UNIOR®-TEPID

Calitate industrială



INDUSTRIAL

Catalog
2025-2026

Lista de preturi in lei fara TVA valabila pana la 31 decembrie 2026

7914/5ak2MB

Trusa scule instalator 141 piese



+ Masina gaurit/insurubat cu acumulator 3,6 V Li-Ion cu 44 de accesorii

- *lumina cu LED pentru zona de lucru*
- *indicator cu LED pentru semnalizarea incarcarii bateriei*
- *compacta*
- *Reversibila*
- *cap pivotant cu doua pozitii de lucru*
- *cuplu reglabil in 7 trepte*

7914/5ak2MB	141 piese	1	3697.95

	125/1 Cheie combinata scurta (8, 10, 13, 17, 19 mm)	5 piese
	IREGA 92WR Cheie reglabila cromata cu falca reversibila (311 mm)	1 piesa
	IREGA SWO 99XS Cheie Extra Slim (4,5 mm) cu manson ErgoTop (216 mm / 8")	1 piesa
	17609 Set chei locas hexagonal cu doua capete sferice (1.5-10 mm / 9 piese)	9 piese
	442/1HYPO Cleste reglabil cu autoreglare pentru instalatori HYPO (240 mm)	1 piesa
	447/1HPP Cleste reglabil cu 10 pozitii si blocare pentru instalatori (240 mm)	1 piesa
	449/1PYTHON Cleste reglabil cu 7 pozitii si blocare pentru instalatori (240 mm)	1 piesa
	487/2P Cleste reglabil pentru sifon de scurgere (235 mm)	1 piesa
	492/6 Cleste industrial pentru tevi GGG-W-651 tip II clasa A (2.1/2")	1 piesa
	600TBI Surbelnita lata mecanica cu hexagon si maner trimaterial (1.6x10.0x175 mm)	1 piesa
	605TBI Surbelnita lata cu maner trimaterial pentru electricieni (1,0x5,5x125 mm, 1,2x6,5x150 mm)	1 piesa
	615TBI Surubelnita cu profil Phillips si maner trimaterial (PH 2x150 mm)	1 piesa
	70024 Mininivela cu 3 bule si baza magnetica (230 mm)	1 piesa
	71299MIX Set 6 creioane (albastru, verde, rosu, portocaliu, galben, negru)	6 piese
	7441 Cleste reglabil cu falci intrepatrunse si 7 pozitii pentru instalatori (240 mm)	1 piesa
	7556D Cutter universal Snap Off (18 mm)	1 piesa
	7556S Cutter de securitate autoretractabil cu lama trapezoidala	1 piesa
	761H1/2S Pila semirotunda semifina cu maner multicomponent (150 mm)	1 piesa

	7812F Ciocan lacatuserie cu maner mansonat (500 g)	1 piesa
	13010/07 Cheie strangere curea Aluminiu Boa Constrictor (10-285 mm)	1 piesa
	BC-1-10 Debavurator rapid cu lama fixa E100	1 piesa
	63170 Dispozitiv de taiat tevi Cu (Ø3-32 mm)	1 piesa
	MP-01 Mini fierastrau (300 mm)	1 piesa
	3050/150 Set 3 panze fierastrau sabie Bi-Metal pentru demolari (150x22x1,57 mm / 10 tpi)	3 piese
	BT31A Set biti 31 piese (PH1, 3xPH2, PH 3 / PZ1, 3xPZ2, PZ3 T10, T15, 3xT20, 3xT25, T27, 2xT40 / HX3, HX4, HX5, HX6 SL4.5, SL4.5, SL6.5 / adaptor magnetic 60 mm)	31 piese
	750C Set 6 burghie laminate HSS DIN 338 (2-8 mm / 6 piese)	6 piese
	100C Set 4 burghie SDS-plus pentru beton Twister Plus (Ø5-6-8-10 x 160 mm)	4 piese
	115 H5 Disc diamantat multimaterial Laser Corta Todo (115x22.2 mm H5)	1 piesa
	U42020-192-267 Surubelnita port-bit telescopica 195-280 mm cu 8 biti (PH1-PH2-PZ1-PZ2 T15-T20-T25-T30)	9 piese
	BL 50 C K Masina gaurit/insurubat cu acumulator 3,6 V Li-Ion cu 44 de accesorii	45 piese
	7914/5 Cutie tabla cu 5 compartimente (420x205x205 mm)	1 piesa

scule de mână | scule electrice pneumatice hidraulice | scule de măsură și control | scule aşchietoare | scule industrializarea lemnului

MULTI BRAND

Firme de top la un loc, soluție unică!



UNIOR®-TEPID

Calitate industrială

Catalog 2024-2026

Lista de preturi in lei fara TVA valabila pana la 31 decembrie 2026

Cuprins



Chei 20



Capete chei tubulare si accesorii 63



Clesti 173



Foarfeci 196



Instrumente de masura si control 208



Ciocane, dalti, topoare, cuttere, poansoane 300



Pile si raspile 332



Menghine 342



Fierastraie 347



Surubelnite 356



Biti si accesorii 366



Port scule si accesorii 406



Scule aschietoare 412

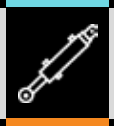


Scule debitare 516



Scule electrice 598


Scule pneumatice — 637


Scule hidraulice — 669


Scule auto — 688


Scule pentru servisarea bicicletelor — 716


Scule moto — 766


Scule pentru electronisti — 779


Scule pentru constructii — 791


Scule industrializarea lemnului — 831


Scule pentru instalator — 875


Alte branduri — 897


Scule izolate la 1000 V — 905


Scule pentru lucrul la inaltime — 943


Scule antiex — 969


Seturi de scule — 1022


Echipamente atelier — 1043

BRANDURI 2024



Legenda

- Scule antiexplozie (ATEX)
- Scule izolate la 1000 V
- Scule de mana
- Scule aschietoare
- Scule elctrice, pneumatice, hidraulice
- Scule de masura si control
- Scule industriale pentru prelucrare lemn

=Solutie multibrand=

Firme de top la un loc, solutie unica!

Unior

Scule de mana

UNIOR®

Printre produsele pe care UNIOR le ofera, sculele de mana sunt cele mai cunoscute pentru clientul final. Prin programul de scule compania este prezenta astazi in peste 120 de tari, brand-ul UNIOR fiind inregistrat in 60 de tari. Grupul UNIOR, unul dintre cei mai importanti 5 producatori de scule de mana, comercializeaza peste 5000 de produse sub marca UNIOR, multe altele fiind fabricate sub branduri de scule consacrate. Unul dintre canalele importante de comert il constituie platforma de vanzari internationale (95% din produse sunt exportate), unde se construiesc parteneriate de durata in dezvoltare, clientii beneficiind de calitatea serviciilor in timpul si dupa vanzare.


Chei


Capete chei tubulare


Clesti


Scule izolate la 1000 V


Foarfeci


Surubelnite


Extractoare


Scule pneumatice


Echipamente atelier


Burghie SDS-plus


Burghie SDS-max


Burghie pentru beton


Burghie pentru granit


Burghie multimaterial


Burghie pentru sticla


Dalti pentru constructii


Carote pentru constructii


Masini de carotat

Diager

Burghie pentru beton si zidarie - Carote pentru beton si zidarie
Burghie pentru placi ceamice - Dalti pentru beton si zidarie
Elemente de asamblare

DIAGER®

Diager este mai presus de toate un producator independent. Acest privilegiu ii permite companiei sa ramana autonoma de la proiectare pana la productia industriala. Diager este un producator inovator cu peste 60 de ani de experienta si investitii constante care au permis o dezvoltare a produselor DIAGER si pentru a deveni un producator european de top de burghie de zidarie. In fiecare an DIAGER produce peste 20 de milioane de unitati.

Wilpu

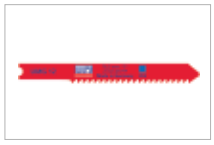
Panze pentru fierastrau vertical si orizontal - Carote - Fierastraie manuale - Panze pentru fierastraie manuale

WILPU® saw blades

WILPU este o companie specializata in dezvoltarea si productia de panze taietoare, panze fierastrau vertical, carote, panze sabie, panze fierastrau, fierastraie manuale, fiind considerat cel mai mare producator de consumabile de profil din Germania si unul dintre cei mai importanti la nivel mondial.


Panze sabie


Panze pendula prindere T


Panze pendula prindere U


Panze fierastraie anti-ex


Panze fierastraie pneumatice


Accesorii

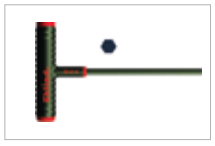

Carote


Seturi carote


Lame oscilante


Chei pentru locas hexagonal


Chei pentru locas TORX


Chei cu maner in T


Seturi chei imbus in husa PVC


Seturi chei imbus in clema


Seturi chei imbus tip briceag


Seturi chei imbus combinate


Surubelnite pentru electronisti


Seturi surubelnite electronisti

Eklind

Chei imbus

Eklind®

EKLIND este recunoscut ca fiind Nr. 1 la nivel mondial in productia de chei locas hexagonal in mm si inch: gama completa si profesionala de produse utilizand oteluri speciale de inalta calitate, adaptate filozofiei pragmatice americane. Printre brand-urile produse de Eklind se numara: Hex-L, Power-T, Ergo-Fold, Ball-Hex-Drivers.

Nexus

Extractoare si prese profesionale auto
Mecanice si hidraulice


Extractoare mecanice


Extractoare interioare


Prese auto


Seturi de extractoare


Extractoare hidraulice cu vaselina


Extractoare hidraulice cu ulei


Dispozitive spart piulite

Producator german de extractoare si prese, NEXUS ofera o gama completa de extractoare mecanice si hidraulice de largi dimensiuni, cu variate capacitati si stiluri. Acestea sunt realizate in conformitate cu standarde de calitate industriala. Testarea extractoarele si preselor Nexus a dovedit durabilitate si performanta, chiar si in cele mai dificile medii.


Chei anti-ex


Tubulare si accesorii anti-ex


Clesti anti-ex


Surubelnte anti-ex


Ciocane anti-ex


Dalti anti-ex


Leviere anti-ex


Perii anti-ex


Alte scule anti-ex

Metalurgica Minotti

Scule antiscanteie

METALMINOTTI
COOPER AND UNCONVENTIONAL COOPER ALLOYS

METALURGICA MINOTTI este unul dintre principalii producatori de scule antiscanteie, nemagnetice si rezistente la coroziune, realizate din aliaj propriu MZW si CuBe, recomandat pentru toate zonele de risc exploziv conform directivelor ATEX.

Industria chimica • Industria petrochimica • Industria farmaceutica • Industria miniera • Rafinarii • Fabrici de hartie • Fabrici de lacuri si vopsele • Fabrici de adezivi • Industria de armament • Industria navala • Companii de telecomunicatii • Depozite de combustibili si gaz • Distilarii

Gravurem

Poansoane - Dispozitive de marcat

GRAVUREM

MASUS

Gravurem este un program de poansoane adresat pietei industriale. Compania germana produce poansoane durificate la unul sau la ambele capete cu caracter continuu sau punctiform, pe dreptunghi sau pe cerc, pentru oteluri normale sau cu rezistenta la rupere foarte mare. Aplicatiile pentru care se pot folosi produsele Heidenpeter sunt nenumarate, existand chiar si posibilitatea executiei de poansoane conform desenului clientilor. Pentru orice astfel de comanda speciala termenul de livrare nu depaseste 3 saptamani. Din grupul Heidenpeter face parte, de curand, si firma MASUS, brand foarte cunoscut pe piata.


Poansoane Gravurem S


Poansoane Gravurem T


Poansoane Gravurem Nr. 1 Extra


Poansoane Gravurem R


Poansoane Gravurem RP


Poansoane Gravurem Sonderklasse


Dispozitive poansoanere


Sabloane


Seturi poansoanare


Cutii din plastic


Cutii plastic tip troller


Organizatoare


Module depozitare


Module de perete


Cabinete


Grupuri modulare


Grupuri modulare mobile


Sisteme modulare transport

Port-Bag

Cutii de plastic - Organizatoare din plastic

PORT-BAG®

PORT-BAG este un program specializat in productia de cutii si organizatoare din plastic. Productia integrata - atat matritele pentru injectat masa plastica, precum si produsele finite - asigura calitatea si design-ul deosebit, precum si posibilitatea de a oferi solutii personalizate cu executie conform schitelor clientului. Gama ofera posibilitati multiple de creare de solutii de depozitare si seturi de interventie.

Inter Abrasiv

NOU

Discuri de Debitare si Polizare

INTERABRASIV

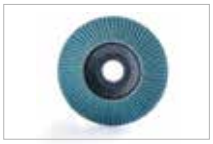
Interabrasiv a fost infiintata in 1993 in Izmir, Turcia. Compania, care opereaza in instalatiile sale Cigli-Izmir din 1996 pana 2009, si-a instalat prima facilitate de productie in 1997, incepand astfel productia continua de role jumbo acoperite, atat din panza, cat si din fibre. Transformarea rulourilor in produse finite precum discuri, curele, role de panza au a inceput in conformitate cu instalatiile de acoperire-vopsire.
Compania a intrat in productie cu o noua facilitate in Parcul Industrial Manisa in 2009. Pe langa construirea unei fabrici moderne, Interabrasiv a investit si in noi masini de fabricare si transformare. Incepand cu 2020, a construit o noua fabrica pentru taiere si discuri de slefuit.


Discuri debitare INOX


Discuri debitare otel


Discuri polizare otel


Discuri pentru marmura si granit


Discuri lamelare


Foi abrazive


Role abrazive


Hartie abraziva


Perii abrazive


Burghie pentru metal


Tarozi


Filiere


Carote Weldon


Freze biax


Freze lemn


Scule electonisti


Dispozitive gaurire unghiulara


Dispozitive ascutit burghie

Tivoly

Chei dinamometrice electronice si mecanice - Surubelnite digitale - Testere cuplu - Traductoare de cuplu - Multiplicatoare de cuplu

TIVOLY

Proiectant si producator de scule de taiere si accesorii pentru scule electrice si masini-unelte, TIVOLY ofera o gama larga de produse, de la cele de bricolaj, pana la cele profesionale si industriale. Tivoly este un grup industrial care are ca misiune proiectarea, productia si comercializarea instrumentelor de taiere, precum si a produselor si serviciilor asociate concepute pentru o gama larga de aplicatii.

Egamaster

Scule instalatii - Scule pentru medii speciale de lucru

EGA Master ART IN INNOVATION

EGA Master, o companie a grupului EGA, este un producator european de scule industriale premium pentru cei mai pretentiosi utilizatori industriali. Ofera o solutie completa unica, bazata pe inovatie continua, care imbunatateste semnificativ siguranta si eficienta.


Tubulare de filetat BSPT


Taietoare de tevi


Scule anti-ex


Scule anticadere izolate la 1000 V


Scule anti-ex izolate la 1000 V


Scule izolate la 1000 V


Scule ESD


Chei dinamometrice hidraulice


Masini electrice de filetat


Scule cu acumulator


Masini de gaurit / insurubat


Ciocane rotopercutoare


Slefuitoare


Polizoare


Fierastraie


Masini de spalat cu presiune


Discuri diamantate


Aparate de sudura

Stayer

Masini de gaurit electrice cu si fara acumulator - Ciocane electro-pneumatice - Polizoare unghiulare - Fierastraie electrice - Utilaje pentru constructii - Masini pentru prelucrarea lemnului - Discuri diamantate - Aparate de sudura

STAYER WELDING STAYER

Stayer este un producator de surubelnite electrice, masini de gaurit electrice cu si fara acumulator, ciocane electropneumatice, polizoare unghiulare, fierastraie electrice, utilaje pentru constructii, masini prelucrarea lemnului. Producatorul ofera o gama foarte variata de accesorii si consumabile. Calitatea Stayer se gaseste si in oferta de discuri diamantate, discuri abrazive si panze circulare placate CMS.

Bohrcraft

Burghie - Tarozi - Filiere - Carote - Biti


Burghie pentru metal


Burghie pentru lemn


Carote Weldon


Tarozi


Filiere



Carote Bi-metal


Dispozitive reparat filete


Debavuratoare


Biti

BOC BOHRCRAFT

BOHRCRAFT este un program german cu o gama extinsa de accesorii de gaurire, taiere si fixare pentru specialisti. Marea varietate a gamei este rezultatul a peste 25 de ani de experienta.


Fierstraie gradinarit


Fierastraie tamplarie


Fierastraie pentru metal


Fierastraie constructii


Cutite rindeluit


Panze monometalice


Panze rectilinii


Panze bomfaier


Panze panglica

Pilana

Scule de mana - Panze de fierastrau
Panze bimetal - Panze continue

PILANA Pilana METAL

Pilana este un program de scule de mana si panze de fierastrau, panze bimetal, panze continue, de dimensiuni standard sau solicitate de client. Pentru ca productia sa fie foarte precisa sunt folosite cele mai moderne tehnologii: LASER, polizoare CNC, unelte de aschiere CNC, ascutitori CNC, cuptoare automate si alte dispozitive automate si semiautomate.
Experienta indelungata ii permite companiei sa ofere produse de inalta calitate.

Ampco / Carltsoe Safety Tools

Scule antiexplozie

AMPCO SAFETY TOOLS® CARLTSO SAFETY TOOLS

Programul AMPCO Safety avand sloganul/deviza “Together we make your work safer”, isi are obarsia in AMPCO METAL GRUP/ American Metal Product Company, avand locatiile principale in SUA, Franta, Olanda, Elvetia. Este liderul mondial in scule antiexplozie din anul 1922, oferind cea mai larga gama de produse.
Programul Carltsoe Safety Tools, se bucura de o experienta de peste 50 de ani in fabricatia sculelor antiexplozie. Oferta cvasicompleta de scule antiexplozie LIFE TIME WARRANTY acopera peste 3000 de produse fabricate din ambele aliaje: Aluminiu-Bronz si Beriliu-Cupru, pentru toate zonele ATEX: 0, 1 si 2, 20, 21 si 22, precum si M1 si M2, in minerit.


Chei anti-ex


Tubulare si accesorii anti-ex


Clesti anti-ex


Surubelnte anti-ex


Ciocane anti-ex


Dalti anti-ex


Leviere anti-ex


Perii anti-ex


Alte scule anti-ex


Topoare drumetie


Topoare zidari


Topoare uz gospodaresc


Topoare cu pana dubla


Secure padurar


Topoare spart lemne


Topare cu tapina

Tovarna Kos din Srpov

Topoare

tovarna kos in srpov

Compania din Tovarna Kos din Srpov a fost infiintata in 1881 de catre Heinrich Kieffer. In acest sens, a devenit un pionier al productiei industriale de unelte agricole din Europa. Peste de 135 de ani de experienta si traditie in acest mestesug au dus la cresterea calitatea si rezistentei produselor. In ultimii ani sa realizat un program de investitii si modernizare continua, pentru a raspunde cerintelor si asteptarilor crescande ale clientilor nostri.

Tome Feteira

Pile


Pile mecanici


Pile panze fierastrau


Pile lant drujba


Pile pentru schiuri


Pile diamantate


Pile mecanica fina


Masat


Manere pila


Rectificatoare filete

TOMÉ FÈTEIRA

Compania producatoare de pile Tome Feteira a fost fondata in 1856 de catre Joaquim Tomé Fèteira si a cunoscut o dezvoltare rapida, devenind un producator modern si diversificat, cu un nume recunoscut la nivel mondial in fabricarea produselor profesionale de inalta calitate.
Produse: pile, pile diamantate, pile pentru aluminiu, pile ac, pile pentru ascutit lant de drujba etc.


Clesti sertizat profile


Rindele gips-carton


Fierastraie gips-carton


Ghilotine


Aparate de taiat cu fir cald


Clesti de perforat


Clesti de faltuit


Foarfeci


Clesti strans inele

Edma

Unelte pentru amenajari interioare si exterioare

Inca din 1937, compania EDMA fabrica scule de mana pentru constructori profesionisti: scule pentru gips-carton, unelte pentru zidarie, scule montaj podele si acoperisuri, scule prelucrare tabla etc.

Irega

Chei reglabile


IREGA 99F


IREGA 77/CE


IREGA 771-30"


IREGA SWO 77 CE


IREGA 99XS


IREGA 92WR


IREGA SWO 99XS


IREGA SWO 99


IREGA SWO 92 1000 V

Irega este un producator specializat in fabricarea cheilor reglabile. Cheia Irega este principala referinta pe piata cheilor reglabile de calitate industriala. Datorita specializarii, Irega ofera o gama larga de chei reglabile pentru toate tipurile de profesionisti producand, in facilitatile proprii, cele mai bune chei reglabile de pe piata internationala.


Biti


Prelungitoare biti


Antrenoare biti


Adaptoare pentru biti


Biti tubulari


Truse biti


Extractoare suruburi rupte


Burghie


Dalti

USH

Biti - Accesorii biti - Burghie

Unul dintre cei mai importanti producatori de biti si accesorii din Europa, USH ofera o gama larga de produse, precum biti, surubelnite, prelungitoare magnetice, elemente antrenare biti, extractoare pentru suruburi rupte, burghie, etc.

Cobit


Biti


Adaptoare pentru biti


Prelungitoare pentru biti


Biti tubulari


Truse tubulare impact


Truse biti


Antrenoare pentru biti


Chei imbus


Burghie

cobit tool technology

COBIT este un program specializat pe biti si pe accesoriile care deriva din acestia. Producatorul s-a impus pe piata prin dezvoltarea permanenta de noi produse cu design, eficienta si calitate industriala. Toate produsele sunt fabricate pe utilaje moderne si indeplinesc cele mai inalte standarde de calitate. Pe langa produsele generale, COBIT produce si game licentiate, cum ar fi: TORX®, TORX-PLUS® si TTAP®.

ASW

Capete tubulare de impact - Biti - Accesorii biti


Biti


Biti tubulari


Antrenoare pentru biti


Adaptoare Quick pentru biti


Adaptoare pentru biti


Tubulare impact cu protectie


Tubulare impact


Truse biti


Extractoare suruburi rupte

ASW este un producator eficient si flexibil, cu aproape 30 de ani de experienta in domeniul productiei de capete tubulare de impact si o gama larga de inovatii. Domenii de utilizare: automotive, energie eoliana, industria navala, petro-chimica, constructii industriale si civile, etc.

Bipico

Panze de fierastrau - Panze bimetal - Panze continue


SILVER MATRIX II


GOLD M42 PLUS


GOLD M42 Extreme


GOLD M42 Flex


GOLD M42 Premium


GOLD M42 Alumina


PLATINUM M51 Premium


GOLD M42 Ultima



Panze rectilinii si de bomfaier

BIPICO

BIPICO este un program de panze de fierastrau, panze bimetal, panze continue de dimensiuni standard si solicitate de catre client, recomandate pentru toate tipurile de materiale feroase (oteluri) si neferoase, aliaje, materiale compozite / sintetice, stratificate, placi aglomerate si lemn, cu performante inalte de taiere. Calitatea superioara a panzelor BIPICO este controlata prin imbunatatirile periodice ale liniei de productie si procesului detaliat de Control al Calitatii.

Pinie

Unelte pentru prelucrarea lemnului


Rindele


Marcatoare


Echere


Sabloane taiere


Cleme pentru lemn


Ciocane lemn


Scule montat pardoseala


Bancuri tamplarie


Foarfeci de banc

Inca de la infiintarea sa, in 2000, compania Pinie Lubna, Ltd. s-a concentrat pe productia si vanzarea brandului Pinie® de scule din lemn pentru tamplarie. Brandul impreuna cu tehnologia de fabricare si materia prima au fost achizitionate in anul 2000 de la compania Pinie Čistá, Ltd. Istoria brandului Pinie® dateaza din anul 1918. Initial, manerele din lemn au fost fabricate sub marca proprie. In prezent, compania are 23 de angajati permanenti si produce mai mult de 500 de produse diferite pentru utilizatorii cu ridicata, cu amanuntul si consumatorii finali. Linia de productie include, in principal: scule de tamplarie, mese si bancuri de lucru pentru tamplarie si lacatuserie, precum si materiale conjunctive.

Insize

Instrumente de masura si control


Sublere


Micrometre


Nivele


Ceasuri comparatoare


Lere


Echere


Lupe


Durometre


Chei dinamometrice

INSIZE este un furnizor dedicat de instrumente de masurare. Pentru a putea acoperi cererea pe piata mondiala, a creat o retea de distributie INSIZE la nivel global, astfel incat utilizatorul sa beneficieze de produse profesionale si de suport tehnic. Programul cuprinde intreaga gama de aparatura de masura si control pentru majoritatea segmentelor industriale.


Chei dinamometrice mecanice


Chei dinamometrice digitale


Chei dinamometrice Smart-Click


Chei dinamometrice unghiulare


Chei dinamometrice cu frangere


Chei dinamometrice industriale


Surubelnite dinamometrice


Testere torsiune


Traductoare

Bms

Chei dinamometrice electronice si mecanice - Surubelnite digitale - Testere cuplu - Traductoare de cuplu - Multiplicatoare de cuplu

De peste 30 de ani, BMS este un lider industrial in proiectarea, dezvoltarea si fabricarea de chei dinamometrice. Programul BMS cuprinde chei dinamometrice electronice, surubelnite digitale, testere electronice de cuplu, traductoare de cuplu, chei de torsiune, multiplicatori de cuplu si accesorii.

Boa

Burghie pentru portelan - Carote - Panze diamantate pentru materiale dure - Nivele triunghiulare masive - Fierastraie pentru locuri inguste - Chei cu curea

BOA este un program de scule speciale, protejate, de conceptie proprie: burghie pentru portelan, carote, panze diamantate pentru materiale dure, nivele triunghiulare masive, fierastraie pentru locuri inguste, greu accesibile, chei cu curea cu peste 1000 de aplicatii - atat pentru uz casnic, cat si industrial.


Chei cu curea


Nivele cu trei muchii


Carote cu carbura


Burghie cu carbura diamantata


Panze cu carbura diamantata


Carote diamantate


Fierastraie reversibile


Extractoare suruburi rupte


Freze reparat filete

Kappa

Nivele


Nivele tehnice


Nivele profesionale Master


Nivele clasice


Nivele zidari

KAPPA este un producator de nivele profesionale cu si fara magnet, recunoscut pentru diverse tehnologii patentate (ex. sudarea bulei pe nivele cu ajutorul ultrasunetelor), fapt care pozitioneaza KAPPA in topul mondial al producatorilor din domeniu.

Freud

Scule pentru industrializarea lemnului

freud.

Lider in industria prelucrarii lemnului de peste 50 de ani.
Performantele de top ale frezelor cu coada marca Freud sunt rezultatul a doi factori: calitatea inalta si durata de viata.
Compania Freud utilizeaza in procesul de productie cele mai bune materii prime, utilizand cele mai noi si sofisticate procese de productie.
Fara reparatii, fara rupere, fara marcaje, fara presiune pe masina


Panze circulere multilama


Panze circulare pentru lemn masiv


Panze circulare lemn placat


Incizoare


Burghie carbura monobloc


Burghie masini multigaurire


Burghie precizie gauri mari

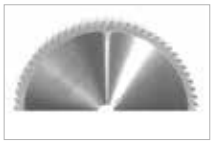

Freze profilate


Placute amovibile


MIZAR


GAMMA IV


GAMMA III


GAMMA III


GAMMA I


INDUS


THYCO


ALGOR (+)


ALGOR (+)

First

Scule pentru industrializarea lemnului

FIRST

Infiintata in anii '60, FIRST a fost intodeauna o referinta constanta in Italia si in alte tari, pentru toti consumatorii care cauta scule fiabile si de inalta calitate.
O preferinta obtinuta prin imbinarea experientei artizanale cu utilizarea celei mai moderne tehnologii industriale.
Produsele marca First sunt fabricate in Italia si urmeaza un ciclu complet si automatizat de productie, care porneste de la debitarea materialului brut cu ajutorul unor CNC-uri cu laser; procesul continua sa dezvolte toate etapele, sub controlul constant al unui sistem informatic, ceea ce ii permite firmei sa atinga si sa mentina cel mai bun nivel de toleranta industriala

Fantacci / Diafant

Freze cu alezaj - Capete de frezat cu alezaj

1966 FANTACCI Utensili per Serramenti in Legno
2002 DIAFANT Diamond Tooling

Fantacci Industrie SRL este producator de scule pentru prelucrarea lemnului cu renume mondial. In portofoliul acestuia se regasesc atat scule standard, cat si scule speciale, freze placate CMS, dar si cu placute amovibile.
Avand o traditie de peste 50 de ani, Fantacci Industrie isi perfectioneaza continuu produsele, astfel incat sa satisfaca cele mai inalte standarde de calitate. Ferestrele termopan realizate cu ajutorul seturilor de freze Fantacci sunt marcate CE, in conformitate cu Regulamentul pentru Produse de Constructii.


Freze cu alezaj pentru uluc


Freze cu alezaj pentru imbinari


Set freze mobilier antic


Freze falt cu placute amovibile


Freze cu alezaj pentru tablie


Capete de rindeluit


Freze tablie multiprofil


Set freze usi interior


Set freze usi exterior


Panze tamplarie


Panza debitat busteni

Wellershaus

Panze continue

wellershaus Maschinenmesser

WELLERSHAUS este un program german de panze de fierastrau, panze bimetal, panze continue de dimensiuni standard si solicitate de catre client, recomandate pentru toate tipurile de materiale feroase (oteluri) si neferoase, aliaje, materiale compozite / sintetice, stratificate, placi aglomerate si lemn, cu performante inalte de taiere.

Absina

Chei universale

ABSINA

ABSINA dezvolta si face proiectarea produselor in Germania si le produce pe piata mondiala. Oferim produse inovatoare pentru uz profesional si industrial si pentru conexiuni cu surub. Simplificarea aplicatiilor, dezvoltarea si fabricarea instrumentelor de cea mai buna calitate, precum si vanzarile la nivel mondial a produselor noastre este scopul nostru, obiectivul si tinta. Pentru noi, siguranta si calitatea sunt primordiale. Avem multi ani de experienta in dezvoltarea, producerea si vanzarea sculelor de mana si surubelnite. Noi garantam siguranta produsului prin controlulul strict al calitatii. Prin disponibilitatea si seriozitatea noastra, ne puteti considera un partener de incredere.


X Key


SI - XKEY


SI - Key Bau


SI - Key Bau Plus


SI - Key Bau Plus


SI - Key Elektro


SI - Key Elektro Plus


SI - Key DB Norm XPlus


SI - Key DB Norm


Panze traforaj manual spiralate


Panze traforaj electric


Panze traforaj manual


Panze traforaj electric spiralate


Set panze traforaj manual


Set panze traforaj electric


Panze minibomfaier


Minibomfaiere


Placa traforaj

Josef Haunstetter

Panze pentru traforaj manual sau mecanic

JOSEF HAUNSTETTER
SÄGENFABRIK KG GEGRÜNDET 1916

Firma Josef Haunstetter Sägenfabrik a fost infiintata in anul 1916. Cei 100 de ani de experienta in producerea fierastraielor de mana, precum si a panzelor de bomfaier si traforaj au facut cunoscuta marca Haunstetter peste tot in lume.

Metrie

Metre lemn

METRIE

Metrie este o companie de productie si comercializare integral ceha, recunoscuta atat in Cehia, cat si pe piata europeana. De aproape 100 de ani, pune accent pe imbunatatirea calitatii si pe inovatie, pentru satisfacerea clientilor din domeniul constructiilor, firmelor de publicitate, utilizatorilor casnici si profesionali.


Perfekt 10 N


Profi 10 W


Block 52 Y


Block 71 W


Block 72 W


Block 73 W


Slimboy HB


Tubulare si accesorii impact 1/4”


Tubulare si accesorii impact 3/8”


Tubulare si accesorii impact 1/2”


Tubulare si accesorii impact 5/8”


Tubulare si accesorii impact 3/4”


Tubulare si accesorii impact 1”


Tubulare si accesorii impact 1.1/2”


Tubulare si accesorii impact 2.1/2”


Tubulare si accesorii impact 3.1/2”

Ozat

Scule pneumatice - Capete tubulare de impact - Chei de soc

OZAT 2000 LTD.

OZAT ofera chei de soc de o buna calitate, scule pneumatice, accesorii si piese de schimb pentru sculele pneumatice, oferind o gama completa de capete tubulare de impact si produse conexe

Kudos

Clesti hidraulici de taiat - Clesti hidraulici de sertizat - Pompe hidraulice

KuDos®
Professional Hydraulic Tools.

KUDOS este un producator profesional de scule hidraulice: clesti hidraulici de taiat, clesti hidraulici de sertizat si pompe hidraulice. Produsele au fost dezvoltate cu ajutorul celor mai moderne tehnologii americane si europene, respectand, in totalitate, cerintele standardelor ISO 9001, ISO 14001, IECQ QC 080001, OHSAS 18000 si SA 8000.


Clesi de sertizat manuali


Masini taiat cabluri cu aculmulator


Clesti hidraulici de taiere


Capete de taiere hidraulice


Clesti hidraulici de sertizare


Perforatoare hidraulice


Pompe hidraulice


Extractoare hidraulice


Departitoare hidraulice


Classic 5112 ABS Pro 25 ltr. L2


Classic 5122 ABS Pro 25 ltr. L2


Classic 5182 ABS Pro 25 ltr. XL


Budget 37 ltr. 5075

Hepco & Becker

Genti ABS

HEPCO&BECKER este cunoscut pentru productia proprie de genti ABS compartimentate special pentru toate structurile celor mai uzuale truse de scule:

- ELECTRONIST
- ELECTRICIAN
- ELECTROMECANIC
- ECHIPAMENTE DE INTERVENTIE RAPIDA

Plastica Panaro

Cutii pentru scule

Panaro

Plastica Panaro a inceput sa functioneze in 1962, producand cutii de tacamuri intr-un atelier mic din centrul orasului Marano. Compania a extins apoi gama de produse si a intrat pe piata de cutii pentru scule, cutii ambalare, accesorii ecvestre si termoformare. Plastica Panaro a crescut de la un mic atelier de familie pentru a deveni un producator de frunte si exportator mondial, cu o forta de munca de peste saizeci de ani.


MAX430PU


MAX505PU


MAX430TC


MAX505TC






MIG 150 profi


MIG 170 profi


MIG 203-B profi


MIG 250 profi


MIG 300 profi


MIG 420 profi


MIG 420SC profi (Synergic Control)


iMIG 300pulse

Iskra

Aparate de sudura

Iskravar®

Producator de masini de sudat din 1969.

Narex

NOU

Scule de mana

narex BYSTŘICE

Peste 100 de ani de experienta in productia de unelte de mana ne permit sa va oferim produse prelucrate de inalta calitate, cu un design modern si functional. Pentru fabricarea tuturor produselor noastre am folosit tehnologii moderne si am folosit cunostintele expertilor dintre mesteri si cioplitori profesionisti, astfel incat produsul final sa indeplineasca toate cerintele dumneavoastra.


Surubelnite


Surubelnite electronisti


Seturi de surubelnite


Ciocane masa plastica


Preducele


Seturi de preducele


Galeti constructii


Mistrii podele


Mistrii burete


Mistrii plastic


Mistrii tencuiala


Mistrii cu maner


Genunchere


Pistoale silicon


Ciocane

NOU

Gruppo Stamplast

Scule pentru constructii

GRUPPO stamplast

GRUPPO STAMPLAST a fost infiintat in 1995, cu sediul in Francavilla Fontana (BR) sudul Italiei. In prezent, Grupul poate conta pe 7 fabrici in Italia, datorita carora, cu 50.000 mp de depozite si 100.000 mp de spatii exterioare, completeaza eficient procesul de productie.

Gruppo Stamplast se ocupa de conceperea, proiectarea matritelor si producerea a peste 600 de produse realizate conform sistemului de productie continua si in serie in acele fabrici specializate pentru procese de turnare si extrudare.

Cutbrick

NOU

Fierastraie pentru lemn

cut BRIK PORTUGAL TOP QUALITY | cut BRIK PORTUGAL STANDARD | cut BRIK PORTUGAL BASIC | cut BRIK PORTUGAL TOP QUALITY

CUTBRIK TOOLS, SA, 1962, se mandreste sa fie una dintre companiile lider la nivel mondial in productia de ferastraie si fierastrau cu arc. Scopul nostru principal este de a oferi pietei o selectie completa de solutii de taiere manuala, asigurand in acelasi timp standardul de calitate inca din prima zi.

Folosirea celor mai bune materii prime, care sunt certificate corespunzator, impreuna cu cea mai avansata tehnologie, au facut ca produsele noastre sa fie recunoscute la nivel global pentru calitatea lor excelenta.


MIG 150 profi


MIG 170 profi

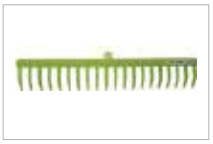

MIG 203-B profi


MIG 250 profi


MIG 300 profi


MIG 420 profi


MIG 420SC profi (Synergic Control)


iMIG 300pulse




Stantatoare manuale


Clesti de faltuit


Clesti de gofrat


Ghilotina pentru tigla


Dispozitive de indoit tabla


Perforatoare


Foarfeca pentru tabla


Foarfeca pentru placi fibrociment


Foarfeca manuala pentru tabla

NOU

Malco

Scule pentru constructii

Malco

In 1950, Mark Keymer, un tanar vanzator de aprovizionare cu otel, a fabricat si a comercializat o masina de sertizare pentru tevi pe care o inventase pentru instalarea conductelor metalice la sisteme de incalzire.

A insistat asupra constructiei de calitate, stabilind reperul pentru noua companie. Loialitatea marcii clientilor, cultivata cu grija in ultimii 70 de ani, reflecta angajamentul lui Malco la unelte si accesorii manuale inovatoare, de incredere si de inalta performanta pentru pietele specializate in incalzire, ventilatie, aer conditionat si industria frigorifica (HVACR); domeniu de remodelare exterioara, inclusiv acoperisuri, siding si instalarea jgheaburilor; instalare gard, punte si sine; si auto repararea caroseriei.

Werka

NOU

Instrumente de masura si control


Sublere


Micrometre


Ceasuri comparatoare


Calibre


Raportoare


Sublere sudura


Lere


Rulete diametru


Instrumente electronice

werka

Werka Co,. Ltd se concentreaza pe cercetare si dezvoltare, productia de echipamente de masurare si inspectie 2D, 3D, manometre non-standard si sistem automat de masurare si inspectie online, precum si serviciul de calibrare cu calitate germana. Este capabila sa dezvolte platforme software inteligente de masurare, astfel incat sa raspunda clientilor cu solutii standard, modulare si digitale pe o platforma definita. WERKA, furnizorul de masurare inteligenta, este gata sa va indeplineasca visul de fabricatie inteligenta.


Chei


Capete chei tubulare


Clesti


Cuttere


Surubelnite


Ciocane


Instrumente de masura


Genti pentru scule


Biti

Kronus

Scule de mana

KRONUS® Professional Quality

Sculele profesionale KRONUS sunt accesibile pentru amatori si confortabile pentru profesionisti avand eficienta sporita, siguranta in exploatare si durata de viata indelungata. In viziuneanoastra,sculele de mana profesionale se diferentiaza esential de cele utilizate in regim industrial, atat prin gama de produse, cat sl prin numarul redus de tipodimensiuni. Sculele industriale servesc atat nevoii generale, cat si celor nisate, acoperind toata plaja de activitati, pe cand produsele profesionale sunt nelipsite acasa, acopera evantaiul de nevoi casnice, putand fi, deasemenea, folosite si in regim intens de utilizare.

Norbar Torque Tools


Surubelnite dinamometrice


Chei dinamometrice presetate


Chei dinamometrice


Accesorii dinamometrice

STAHLWILLE


Chei dinamometrice


Pile silex


Oglinzi telescopice


KABLEX

SAM
CRÉATEUR D'OUTILS


Compresmetre


Multimetru


Truse preducele


Clesti nituri pop

FRIEDRICH
Sicherheitswerkzeuge


Capete tubulare si accesorii


Clesti PVC


Clesti izolati la 1000 V


Echipament electroizolant

Zbirovia


Clesti taietori


Clesti sigilii


Clesti rapizi


Clesti de perforat

WGB
Das Werkzeug


Chei fixe duble brunate


Chei fixe simple brunate

Chei inelare cu prelungitor

Chei inelare simple

MADE FOR WORK.

SINERGIA PROGRAMELOR

Grupul UNIOR se deosebeste de alti producatori de scule prin elemente sinergice si activitati ale segmentelor de productie complet optimizate, sporind productivitatea si generand costuri reduse.



PIESE FORJATE

STORE STEEL (OTEL)

MASINI UNELTE SPECIALE



ZASTAVA (BROSE)

SCULE DE MANA

SINTERIZATE





FORMING TOOLS



TURISM Unitur



UNIOR d.d. 2.105 angajati

Alte firme din grupul Unior cu activitate sinergica, unde UNIOR d.d. este actionar. 3.751 angajati



CHEI

Durata lunga de viata

Cheile Unior sunt forjate din otel Crom Vanadiu de inalta calitate, iar partile supuse sarcinilor mari au o densitate mai mare, ameliorandu-le in acest fel duritatea. Dimensiunile si procedeele de productie folosite maresc rezistenta si durata de viata

Profil de siguranta

Cu profilele sigure, cheile previn stricarea colturilor si a marginilor suruburilor si piulitelor distribuind sarcina in mod egal pe suprafata, la distanta de muchiile piulitelor si capetelor de surub, in loc sa actioneze direct pe acestea

Design inovator

Datorita designului inovator si conceptiei rezultate dintr-o tehnologie de varf, cheile Unior garanteaza un transfer de forta la capetele de suruburi si piulite precis si eficient

UNIOR IREGA Eklind boa WGB KRONUS

O procedura speciala de producere a cheii combinate de 24 mm

1. **Taiere:** Bara plata de otel este taiata la forma dorita cu o masina; acuratetea taierii asigura consumul minim de material de calitate

2. **Forjare:** Prin procedurile de forjare efectuate cu presele LASCO de renume mondial, duritatea cheilor combinate este marita. Tehnicile de forjare de clasa mondiala ne permit sa mentinem orientarea optima a fibrelor de material (la fel ca in barele de otel) ceea ce este critic in produsele expuse la sarcini mari si dinamice.



3. **Debavurare:** Eliminarea bavurilor (reziduuri de material dupa forjare) este efectuata cu o masina specializata. Pentru o decupare corecta, greutatea bavurilor de eliminat trebuie sa fie inferioara celei a piesei forjate.



4. **Perforare:** Dupa etapele de forjare si debavurare, perforarile in piesa sunt facute prin ambutisare sau taiere. Acestea pot fi executate atat la rece cat si la cald.



5. **Debavurare si slefuire:** Prin tratamente mecanice sau chimice, muchiile ramase la forjare sunt rotunjite cu masini de debavurat, apoi contururile sunt slefuite cu materiale abrazive



6. **Marcare si indoire:** In concordanta cu ansamblul normelor, fiecare produs este marcat corespunzator; apoi inelul cheii este indoit dupa cerinte



7. **Brosare:** La brosare, dimensiunea finala a cheii este facuta prin actiunea unei brose dotate cu mai multe lame. In uzinele Unior, profilul intern al inelului poligonal este obtinut cu masini de alezaj MAE.



8. **Calire:** Calirea prin incalzire si racirea ulterioara permit ameliorarea fibrele de otel si in acelasi timp optimizarea duritatii cheii. Acest procedeu prin tratament termic permite cheilor Unior durabilitate crescuta si o rezistenta marita la forte mari



9. **Sablare:** Diverse substante abrazive sunt pulverizate pe suprafata cheilor UNIOR prin aer comprimat. Materiile abrazive curata suprafata cheii si furnizeaza asperitatea necesara aplicarii unui strat de protectie galvanica



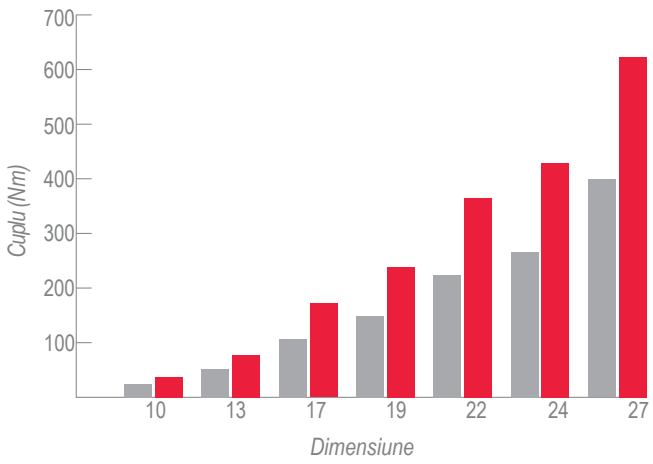
10. **Cromare si lustruire:** Cheile sunt acoperite de un strat subtire de bioxid de crom pentru a le proteja impotriva coroziunii, uzurii sau altor fenomene agresive. Cromajul da de asemenea un aspect stralucitor, mai atractiv vizual



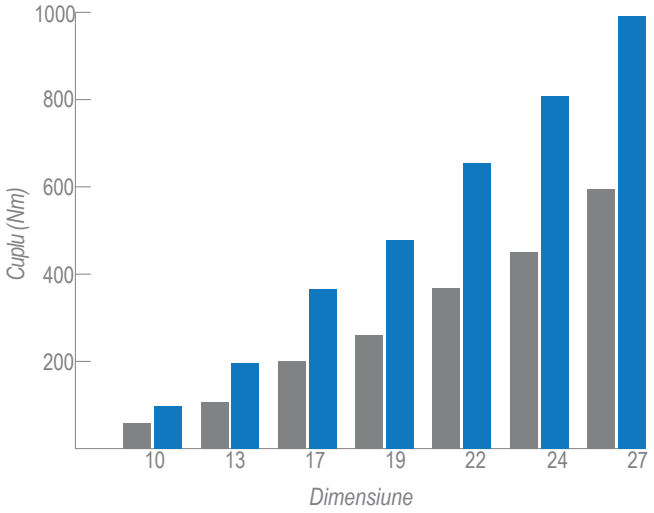
Chei fixe 23
Chei reglabile 26
Chei combinate 29
Chei inelare 31
Chei cu clichet 33
Chei de soc 36
Chei cu gheara 37
Chei pipa 39
Chei teava / chei pentru roti 40
Scule pentru lubrificare si filtrare 41
Chei cu curea 42
Chei imbus 44



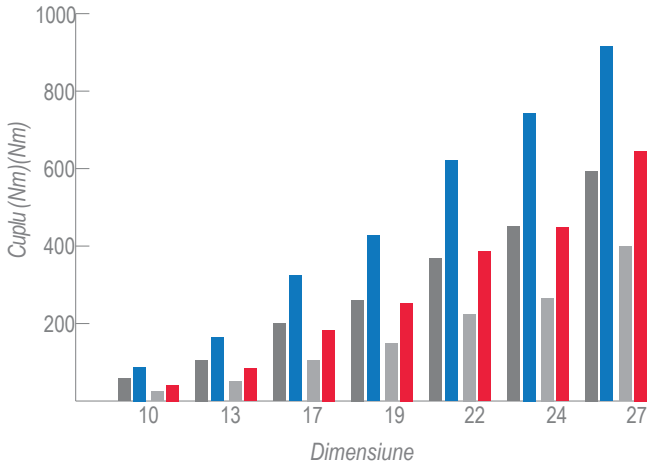
Rezistenta la torsiune
110/1 Chei fixe duble drepte



Rezistenta la torsiune
180/1 Chei inelare dublu cotite



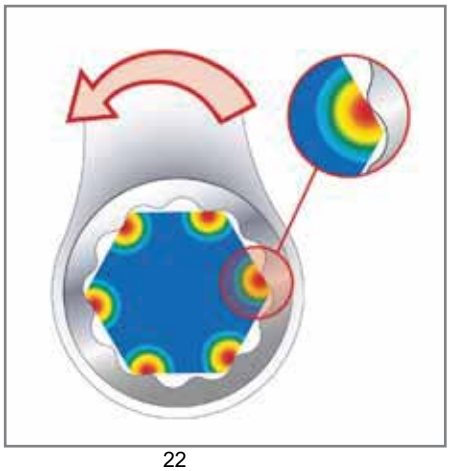
Rezistenta la torsiune
120/1 Chei combinate, varianta lunga

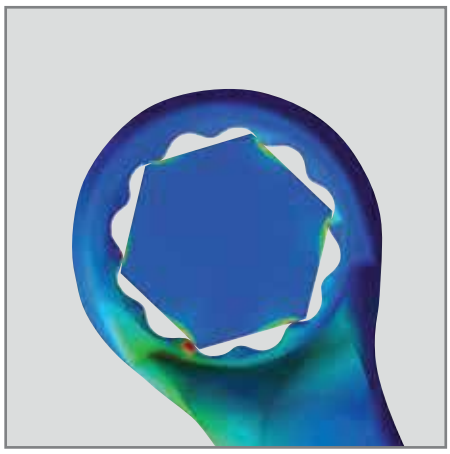


ISO 1711-1 (A) cap cheie inelara
UNIOR cap cheie fixa
ISO 1711-1 (C) cap cheie fixa
UNIOR cap cheie inelara
ISO si UNIOR in Nm

LIFE profile

Princhpalele avantaje ale profilului LIFE
- *o actionare mai rapida pe piulita*
- *protectia surubului si a varfurilor acestuia*
- *pozitionare rapida si operare confortabila*
- *utilizare chiar si pentru suruburi si piulite deformate*



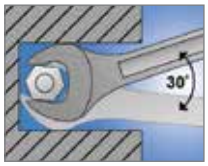


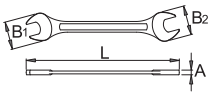
110/1

Cheie fixa dubla cromata DIN 3110

- *cheia este forjata din otel premium crom-vanadiu*
- *cheia se remarca prin rezistenta exceptionala, durabilitatea si protectia suprafetei, care ofera utilizatorului o utilizare fiabila si de lunga durata. Este o solutie completa pentru insurubarea suruburilor si piulitelor si un instrument indispensabil atat pentru profesionisti, cat si pentru pasionatii de bricolaj.*
- *material: otel premium crom vanadiu*
- *forjata, calire si revenire totala*
- *finisaj suprafata: cromat conform ISO 1456:2009*
- *cap lustruit*
- *realizat conform standardului ISO 10102 (doar dimensiunile in mm)*
- *capul cheii sub un unghi de 15°*







UNIOR Premium

		L	B1	B2	A		
603316	4 x 4.5	100	14	14	3.4	10	**22.13**
603317	4 x 5	100	14	14	3.4	10	**22.13**
603318	5 x 5.5	100	14	14	3.4	10	**22.13**
600060	5.5 x 7	121	14.4	16.4	3.4	15	**25.41**
600061	6 x 7	121	14.4	16.4	3.4	15	**18.03**
600062	7 x 8	140	18.4	22.9	3.7	24	**20.98**
600064	8 x 9	140	18.4	22.9	3.7	24	**18.69**
600065	8 x 10	140	18.4	22.9	3.7	23	**22.95**
600067	9 x 11	159	22.7	24.2	4.5	40	**25.41**
600068	10 x 11	159	22.7	24.2	4.5	40	**22.95**
600069	10 x 12	172	26.2	29.2	4.9	58	**27.05**
600070	10 x 13	172	26.2	29.2	4.9	59	**28.69**
600072	11 x 13	172	26.2	29.2	4.9	58	**28.69**
600074	12 x 13	172	26.2	29.2	4.9	58	**25.90**
600075	12 x 14	172	26.2	29.2	4.9	58	**28.69**
600076	13 x 14	192	31.2	33.2	5.4	81	**28.85**
600077	13 x 15	192	31.2	33.2	5.4	84	**29.51**
600078	13 x 17	200	31.2	37.7	5.7	101	**30.98**
600079	14 x 15	192	31.2	33.2	5.4	83	**27.70**
600080	14 x 17	200	31.2	37.7	5.7	101	**30.98**
600082	16 x 17	206	35.7	37,7	5.7	108	**31.48**
600083	17 x 19	223	39.5	41.5	6.2	143	**35.57**
600085	18 x 19	223	39.5	41.5	6.2	148	**35.08**
600086	19 x 22	232	43.5	46	6.7	183	**41.64**
600088	20 x 22	232	43.5	46	6.7	180	**40.49**
600089	21 x 23	249	46	52	7.2	235	**42.46**
600090	22 x 24	249	46	52	7.2	237	**46.07**
600092	24 x 26	265	51.8	55.3	7.7	289	**51.64**
600093	24 x 27	265	53.8	51,8	7.7	289	**58.69**
600095	25 x 28	279	62.8	53,8	8.2	344	**56.72**
600096	27 x 29	309	62.8	67.3	9.2	535	**80.66**
600097	27 x 30	309	62.8	67.3	9.2	527	**82.30**
600098	27 x 32	309	62.8	67.3	9.2	541	**70.98**
600099	30 x 32	309	62.8	67.3	9.2	532	**76.89**
603848	30 x 34	315	62.8	68.8	9.6	568	**88.20**
602593	30 x 36	319	62.8	78.8	9.6	591	**137.87**
600100	32 x 36	327	68.8	78.8	9.6	653	**138.36**
600101	34 x 36	327	68.8	78.8	9.6	628	**166.39**
600102	36 x 41	360	78.8	86.8	9.6	823	**180.16**
605549	38 x 42	360	78.8	86.8	9.6	822	**210.00**
602594	41 x 46	410	86.8	94.8	14.6	1735	**262.46**
602595	46 x 50	460	94.8	103.9	15.6	2365	**349.51**

110/1CS

Set de chei fixe in cutie de carton



UNIOR Premium

602844	6 - 22 / 8	800	1	**220.33**

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)



Nu folositi niciodata o prelungire sau orice forma de parghie pentru a creste efectul de parghie al unei chei.



Nu le folositi pentru a elibera o piulita ruginita sau pentru a finaliza o strange la o astfel de piulita.



Piulita trebuie sa fie intotdeauna complet asezata inainte de utilizare.



Nu folositi niciodata un ciocan pe chei.



Nu expuneti niciodata nicio cheie la caldura excesiva, care poate modifica duritatea si structura metalica si poate deteriora unealta.



Cheile nu trebuie slefuite pentru a-si schimba forma.



Nu folositi o cheie care a fost deteriorata si slabita prin indoire, crapare sau uzura grava.



Folositi doar forta manuala, nu folositi niciodata nicio forma de parghie pentru a creste efectul de parghie.



Selectati o cheie a carei deschidere se potriveste exact cu piulita aleasa.



Trageti intotdeauna in loc sa impingeti si mentineti intotdeauna o pozitie adecvata cu picioarele ferme pentru a va mentine echilibrul.



Inspectia periodica a uneltelor de mana de catre personal competent este o necesitate de siguranta.



Premium

Premium chrome vanadium steel

Fiabilitate fara uzura

Atunci cand vine vorba de unelte, cum ar fi clesti si cleste de teava, de exemplu, care trebuie sa reziste la incarcaturi mari, sunt de o importanta deosebita proprietati precum rezistenta ridicata la tractiune, ductilitatea corespunzatoare a materialului cu o elasticitate mai mare si cea mai mica susceptibilitate la crapare . Aceste cerinte sunt indeplinite in mod deosebit de otelul premium crom / vanadiu, otel aliat cu mangan, crom, siliciu si carbon. Uneltele realizate din acest otel au o durata lunga de viata si sunt o alegere excelenta pentru multi ani de utilizare

110/1CT

Set de chei fixe in husa textila



CT110 (430 x 275)

UNIOR Premium

615465	6 - 22 / 8	788	1	**336.23**

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)

110/1CB

Set de chei fixe in cutie de carton



UNIOR Premium

600105	6 - 22 / 8	724	1	**220.33**

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)

600106	6 - 32 / 12	2140	1	**442.30**

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32)

600107	6 - 41 / 13	3982	1	**622.46**

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32, 36 x 41)

611018	6 - 27 / 10	1250	1	**321.48**

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27)

605531	1/4" - 1.1/4" / 12	2005	1	**464.43**

110/1 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8", 1.1/16" x 1.1/4")

CT110

Husa textila goala pentru chei fixe

- *dimensiune 430 x 275, pentru articolul 110 in 125*
- *fixarea velcro este folosita pentru inchierea si deschiderea usoara*
- *cureaua de inchidere nu este necesara*
- *material: tesatura de poliester*





UNIOR

	A	B			
615480	430	275	117	1	**115.90**

110/1PB

Set de chei fixe in husa de plastic



UNIOR Premium

600108	6 - 17 / 6	378	1	151.31

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17)

110/1PB

Set de chei fixe in husa de plastic



UNIOR Premium

600109	6 - 22 / 8	474	1	230.00

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)

110/1MS

Set de chei fixe cu suport metalic



UNIOR Premium

605528	6 - 32 / 12	2740	1	526.72

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 977/1 (6 - 32/12)

110/1MS

Set de chei fixe cu suport metalic



UNIOR Premium

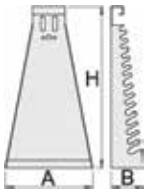
605532	1/4" - 1.1/4" / 12	2642	1	548.85

110/1 (1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 13/16" x 7/8", 15/16" x 1", 1" x 1.1/8, 1.1/16" x 1.1/4"), 977/1

977/1

Suport metalic pentru chei fixe

- *material:tabla*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*





UNIOR

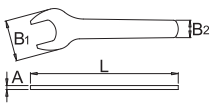
	L	B	H			
605160	180	50	330	420	1	84.43

135/2

Cheie fixa simpla pentru gaz

- *confectionata din tabla*
- *acoperire cromare conform EN12540*







UNIOR

		L	B1	B2	A		
600262	27	187	52	22	4	149	26.72

114/2PB

Set chei fixe mici pentru electricieni



UNIOR

619287	3.2 - 14 / 15	292	1	355.57

114/2 (3.2, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14)



895B

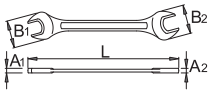
Cheie fixa dubla dreapta DIN 895

- *material:otel carbon de scule*
- *forjata, calire si revenire totala*
- *acoperire cromare conform ISO 1456:2009*
- *executie in concordanta cu standardul DIN 895*



BASIC+

WGB THE WERKZEUG



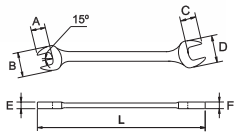
		L		
6506070	6x7	93	10	10.63
6508090	8x9	105	21	11.39
6514150	14x15	149	61	17.72
6516170	16x17	162	77	17.72
6518190	18x19	169	96	22.70
6519220	19x22	199	144	30.47
6519240	19x24	205	166	41.78
6521230	21x23	210	156	47.51
6524270	24x27	237	269	55.28
6525280	25x28	234	233	85.67
6527320	27x32	256	382	89.81
6530340	30x34	273	420	99.84
6532360	32x36	303	480	122.54
6550550	50x55	480	1895	386.70
6555600	55x60	479	2100	427.05

7112/2

Cheie fixa dubla dreapta DIN 895

- *ideala pentru strangerea si desfacerea suruburilor si piulitelor cu cap hexagonal*
- *in conformitate cu DIN 895 - ISO 3318 - 1085*
- *duritate material: 44-50 HRc*
- *forjat din otel special pentru scule cu rezistenta la rupere de 1200-1400 N/mm², calit pentru aplicatii cu cuplu mare, de exemplu, constructii, industrie grea, cai ferate, santiere navale, mine, agricultura, platforme petroliere etc.*
- *rezistenta ridicata la incovoiere: nu se rupe si nu se curbeaza atunci cand este supraincarcata*
- *ergonomie: profil proiectat pentru mai multa eficienta, de ex. capat deschis inclinat la 15°*
- *finisare: fosfatare (previne coroziunea si actioneaza ca un tratament anti-frictiune)*
- *marcaj din forjare: KRONUS, DIN 895 si dimensiunile cheii*





KRONUS Professional Quality

		L	A	B	C	D	E	F		
71120607	6 x 7	95	6.5	14	7.5	16	3.2	3.5	20	3.14
71120809	8 x 9	105	8.5	18	9	20	4.5	4	32	3.56
71120911	9 x 11	105	8.5	18	9	20	4.5	4	32	● 5.88
71121011	10 x 11	124	11	21	12	23	5	5	35	4.19
71121012	10 x 12	124	11	21	12	23	5	5	35	● 6.11
71121013	10 x 13	130	11	22	13	28	5.5	5.5	50	4.19
71121113	11 x 13	130	11	22	13	28	5.5	5.5	50	● 4.79
71121213	12 x 13	135	12	25	14	28	5.5	5.5	50	4.81
71121214	12 x 14	135	12	25	14	28	5.5	5.5	50	● 6.33
71121316	13 x 16	135	12	25	14	28	5.5	5.5	50	● 7.24
71121317	13 x 17	155	14	29	16	34	6	6	80	6.39
71121415	14 x 15	150	14	29	16	34	6	6	75	6.07
71121417	14 x 17	160	14	29	18	35	6.5	6.5	80	6.61
71121617	16 x 17	160	16	33	18	35	6.5	6.5	85	7.12
71121618	16 x 18	160	16	33	18	35	6.5	6.5	85	● 9.05
71121719	17 x 19	170	16	35	19	36	7	7.5	135	9.42
71121720	17 x 20	170	16	35	19	36	7	7.5	135	● 13.12
71121819	18 x 19	170	16	35	20	38	7	7.5	130	9.42
71121821	18 x 21	170	16	35	20	38	7	7.5	130	● 14.70
71121922	19 x 22	190	19	37	22	45	8	8	170	9.63
71121924	19 x 24	190	19	37	22	45	8	8	170	● 15.38
71122022	20 x 22	195	19	38	22	45	8.5	8.5	165	9.83
71122123	21 x 23	220	22	44	23	48	8.5	9	200	11.72
71122224	22 x 24	220	23	44	24	49	9	9	200	13.82
71122426	24 x 26	240	24	49	26	55	9.5	10	260	16.32
71122427	24 x 27	240	24	49	26	55	9.5	10	260	17.57
71122430	24 x 30	240	24	49	26	55	9.5	10	260	● 27.15
71122528	25 x 28	250	25	50	28	55	9.5	10	350	19.65
900709	27 x 30	270	26	55	29	60	10	10	340	● 29.54
71122732	27 x 32	270	28	60	30	65	10	10	400	24.06
71123032	30 x 32	270	28	60	30	65	11	11	450	25.53
900710	30 x 36	300	29	60	35	70	12	13	600	● 41.61
71123236	32 x 36	300	30	65	36	70	12	13	650	35.18
71123436	34 x 36	310	33	70	37	75	12	13	700	46.89
71123438	34 x 38	310	33	70	37	75	12	13	720	46.89
71123641	36 x 41	340	37	75	42	85	14	14	750	49.18
71124146	41 x 46	370	41	80	43	90	15	14	900	103.66
71124650	46 x 50	400	48	90	50	100	15	15	1500	126.05
71125055	50 x 55	450	48	100	55	110	16	15	1600	188.47
71125560	55 x 60	495	48	110	55	120	18	20	2150	242.66
71126570	65 x 70	580	65	140	70	140	23	23	3550	768.72
71127580	75 x 80	660	85	170	85	160	28	26	5600	920.96

7112/2CT

Set de chei fixe cu husa textila



KRONUS Professional Quality

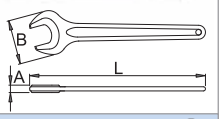
900597	6 - 22 / 8	724	1	45.84
7112/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)				
900642	6 - 32 / 12	2140	1	117.58
7112/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32)				

7117

Chei fixe simple drepte brunate DIN 894

- *forjate din otel special pentru scule calit si revenit la 120 kg/mm² pentru aplicatii cu cuplu ridicat, de exemplu, constructii, industrie grea, cai ferate, santiere navale, mine, agricultura, platforme petroliere etc.*
- *falcile prelucrate la dimensiunea exacta*
- *corp extra lung pentru aplicatii in profunzime*
- *rezistenta mare la incovoiere: cheia nu se rupe si nu se aseaza atunci cand este supraincarcata*
- *ergonomie: profil proiectat pentru mai multa eficienta, capat deschis inclinat la 15°.*
- *finisare: fosfatare*





KRONUS Professional Quality

		L	A	B		
900607	17	157	6.5	36	68	10.97
715273	36	295	12.5	74	438	29.45
715275	41	335	13.5	84	537	37.22
715276	46	365	14.5	94	747	54.19
715277	50	400	15.5	102	890	80.10
715278	55	475	16	110	1170	103.66
715279	60	475	17	120	1365	171.97
715280	65	550	18	130	1665	188.47
715281	70	550	19	140	1995	287.42
715282	75	620	20	150	2995	372.23
902345	80	665	21	160	4800	● 542.95

894B

Chei fixe simple drepte brunate DIN 894

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire prin brunare conform cu standardul DIN 12476*
- *executie in conformitate cu standardul DIN 894*



WGB THE WERKZEUG

		L		
6410500	105	900	6200	4600.35
6411000	110	910	6350	5190.83
6411500	115	950	6400	5744.31
6412000	120	1005	8200	8464.51
6412500	125	1005	7650	10208.24
6413000	130	1005	7400	10523.09
6413500	135	1005	7800	13847.58



117/4

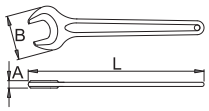
Cheie fixa dubla dreapta DIN 895

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire prin brunare conform cu standardul DIN 12476*
- *executie in conformitate cu standardul DIN 894*
- *aplicatii: in industrie pentru lucrari la utilaje, motoare si alte echipamente*
- *simensiunile mari sunt utile in industria navala, industria petroliera si alte sectoare grele unde se utilizeaza echipamente mari.*
- *cheia este special destinata pentru lucrari ce necesita momente de torsiune mari si parghii mai lungi pentru actionare*



Premium

UNIOR



		L	A	B		
620207	12	123	5	26	29	11.31
615263	13	132	5.4	28	35	13.44
615264	17	157	6,5	36	68	14.10
615265	19	170	6.9	40	78	17.21
615267	22	195	7.9	46	106	20.49
615268	24	218	9,2	50	147	27.38
615272	34	295	12,5	74	399	54.26
615273	36	295	12.5	74	438	58.03
615274	38	295	12.5	74	390	64.92
615275	41	335	13.5	84	537	70.00
615276	46	365	14.5	94	747	85.41
615277	50	400	15.5	102	890	144.43
615278	55	475	16	110	1170	231.80
615279	60	475	17	120	1365	311.48
615280	65	550	18	130	1665	425.74
615281	70	550	19	140	1995	434.26
615282	75	620	20	150	2995	529.51
615283	80	665	21	160	3895	624.92
615285	90	740	23	190	4795	729.84





Falca reglabila



Cheia poate lucra in ambele sensuri



Moleta de reglaj



Scara de masura

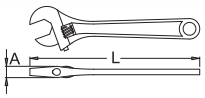
250/1

Cheie reglabila

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *cu scala*
- *in conformitate cu standardul DIN 3117, ISO 6787*



ISO 6787



UNIOR

	L	A				
611917	100	110	9.8	13	10	61	114.59
611918	150	155.5	11.7	19	10	133	122.79
601016	200	205	14.4	24	10	243	139.51
601017	250	254	16.9	27	10	439	172.95
601018	300	303.5	19.1	34	10	702	233.93
601019	380	375	23.8	41	5	1315	418.52
605113	450	458.5	26.3	48	1	1730	666.89
615148	600	608	29.7	57	1	3240	1423.93

250.1/1

Falca de schimb pentru cheie reglabila

- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *cu scala*
- *potrivita pentru cheile reglabile 250/1, 250/1A*



UNIOR

	L	A				
611978	100	110	9.8	13	10	16	114.59
611979	150	155.5	11.7	19	10	30	122.79
602070	200	205	14.4	24	10	55	139.51
602071	250	254	16.9	27	10	95	172.95
602072	300	303.5	19.1	34	10	123	233.93
602073	380	375	23.8	41	5	224	418.52
602069	450	458.5	26.3	48	1	320	666.89
615149	600	608	29.7	57	1	511	1423.93

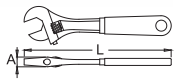
250/1ADP

Cheie reglabila

- *material: crom vanadiu, forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *cu scala*
- *manere din doua straturi de plastic*
- *in conformitate cu standardul DIN 3117, ISO 6787*



ISO 6787



UNIOR

	L	A				
617246	200	205	14.8	24	280	161.97
617247	250	254	17	27	490	188.85
617248	300	304	20	34	785	245.74
617249	380	381	25.5	41	1395	448.03

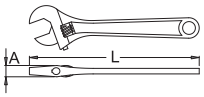
251/4

Cheie reglabila

- *material: crom vanadiu, forjata, calire si revenire totala*
- *acoperire prin brunare*
- *rotire stanga, cu scala*
- *in conformitate cu standardul DIN 3117, ISO 6787*



ISO 6787



UNIOR

	L	A					
612870	150	155.7	11.7	20	137	10	94.36
612871	200	204.3	14.4	25	257	10	107.00
612872	250	254	16.9	30	447	10	132.61
612873	300	303.5	19.1	36	700	10	179.25

IREGA 99W

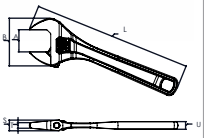
Cheie reglabila fosfatata XTRA

- *suprafete perfect paralele pentru o prindere optima a piulitei*
- *falca mobila nu iese in afara in pozitia de deschidere maxima - accesibilitate excelenta in spatii inguste*
- *scala milimetrica - permite o presetare rapida, precum si masurarea piulitelor, suruburilor, tevilor etc.*
- *falci de prindere mai lungi si mai subtiri - functionalitate maxima si forta de strangere superioara*
- *falci rectificate pentru o functionare mai lina si precisa - austare optima a falcii mobile si a manerului*
- *siguranta dubla: stift filetat si fanta vizibila pentru lucrari extreme*
- *finisaj fosfatat cu functionare inversa*
- *maner ergonomic pentru un lucru mai confortabil si eficient*
- *fiecare unealta este inspectata individual - garantie de satisfactie totala a clientilor nostri*
- *material: otel crom vanadiu - rezistenta mare, uzura minima, durabilitate de neegalat*
- *cod de identificare - trasabilitate completa*



XTRA

IREGA ISO 6787



	L	B	S	T	U			
570530106005103	160	49	10.8	5.8	5.7	19.2	130	120.98
570530108005103	206	62	13.5	7	9.7	24.05	250	150.00
570530110005103	257	73	16	8	11.2	29	410	180.16
570530112005103	310	85	19	10	13.2	34	690	241.64

UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.

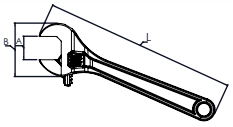
IREGA 77

Cheie reglabila cromata cu falci la 15º

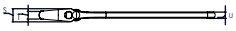
- *suprafete perfect paralele pentru o prindere optima a piulitei*
- *reglaj fin si precis*
- *scala milimetrica - permite o presetare rapida, precum si masurarea piulitelor, suruburilor, tevilor etc.*
- *falci de prindere conforme cu standardul ISO 6787*
- *cupluri de torsiune conform ISO 6787 + 125%*
- *maner ergonomic pentru un lucru mai confortabil si eficient*
- *fiecare unealta este inspectata individual - garantie de satisfactie totala a clientilor nostri*
- *material: otel aliat cu crom - rezistenta mare, uzura minima, durabilitate de neegalat*



ISO 6787



IREGA



	L	B	S	T	U			
570000015009003	385	119	25	15	11.5	43.12	1230	306.56
570000018009003	461	145.5	30	17.5	13.5	53	2010	468.85
570000024009003	612	152	34	20	15.5	62	3560	1302.30

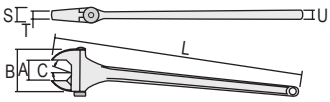
IREGA 771-30"

Cheie reglabila cromata cu falci la 15º

- *cheia reglabila 771-30" este ideala pentru cele mai grele si cele mai solicitante locuri de munca, in industrie, petrol, minerit, constructii metalice etc.*
- *fabricate in conformitate cu cele mai stricte standarde internationale*
- *depaseste UNE 16-532*
- *forjate dintr-o singura bucata*
- *material: otel crom vanadiu*
- *rezistenta mare, uzura minima, durabilitate imbatabila*
- *scala de masurare metric pe falci pentru masurare piulite, suruburi, tevi, etc.*



IREGA



	L	B	S	T	U			
81003 30	750	160	37	23	16.5	77	5520	3093.44

UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.

IREGA SWO 77/CE - 8"

Cheie reglabila cu deschidere marita

- *greutate redusa*
- *compacta: "Stubby"*
- *robusta si versatila*
- *instrument universal de inalta performanta ideal pentru: instalatii, centrale termice, aer conditionat, sistem de refrigerare, lucrari de intretinere, etc.*



ISO 6787

IREGA SWO

	L	B	S	T	U			
570703008005003	211	76	14	6.9	10	39	315	165.08

IREGA 92LWD

Cheie reglabila cu greutate redusa

- *suprafete perfect paralele pentru strangerea optima a piulitei*
- *falca mobila neproeminenta in pozitie de deschidere maxima - accesibilitate excelenta in spatii mici.*
- *scara milimetrica - permite presetarea si masurarea rapida a piulitelor, suruburilor, tevilor etc.*
- *falci extra fine.*
- *rectificare pentru o functionare mai lina si mai precisa - potrivire optima a gurii mobile si a manerului.*
- *dubla siguranta: stift filetat si crestatura vizibila pentru lucrul in conditii extreme.*
- *finisaj cromat, strat triplu de acoperire (2 Ni + 1 Cr) pentru o aderenta perfecta a cromarii si o rezistenta maxima la coroziune.*
- *maner acoperit cu plastic pentru o prindere buna si mai confortabila.*
- *fiecare unealta este inspectata individual - garantie totala de satisfactie a clientilor.*
- *maner usor si subtire, pentru cea mai mica greutate.*
- *material: otel Crom Vanadiu: rezistenta ridicata, uzura minima, durabilitate de neegalat.*
- *cod de identificare: trasabilitate totala*



	L	S	T	U			
571822006005105	161	10.8	4	5.0	24	130	**198.52**
571822008005105	207	14	5	6.0	30	250	**232.79**
571822010005105	259	15.8	6	6.5	36	410	**283.44**
571822012005105	311	19	8	8.1	46	690	**378.52**

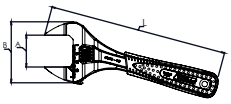
UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.

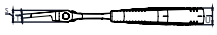
IREGA SWO 99XS

Cheie reglabila fosfatata Extra Slim (4,5 mm) cu manson ErgoTop®

- *falci extra-subtiri pentru accesibilitate maxima*
- *suprafete perfect paralele pentru o prindere optima a piulitei*
- *finisaj fosfata*
- *scala milimetrica - permite o presetare rapida, precum si masurarea piulitelor, suruburilor, tevilor etc.*
- *falca mobila nu iese in afara in pozitia de deschidere maxima - acces excelent in spatii inguste*
- *falci rectificate pentru o functionare mai lina si precisa - ajustare optima a falcii mobile si a manerului*
- *siguranta dubla: stift filetat si fanta vizibila pentru lucrari extreme*
- *material: otel crom vanadiu - rezistenta ridicata, uzura minima, durabilitate de neegalat*
- *maner ErgoTop® pentru o prindere optima si un lucru mai confortabil si eficient*
- *SWO 99XS 6" - deschidere cu 78% mai mare decat la chei reglabile standard, dimensiuni similare si greutate redusa - 200 grame - cu 68% mai usoara decat cheile reglabile standard, cu deschidere similara*
- *SWO 99XS 8" - deschidere mare de 39 mm (1 1/2") cu 62% mai mare decat la chei reglabile standard si greutate redusa, 335 gr - cu 50% mai usoare decat cheile reglabile standard (12"), care are deschidere mai mica*







	L	B	S	T	U			
571033106005105	176	35	9.5	2.5	6.3	13	50	**214.26**
571033108005105	216	50	10.8	2.5	8.0	24	125	**229.67**

UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.



Nu trageti niciodata de o cheie care are o potrivire slabita dupa ce a fost reglata cu un dispozitiv de fixare. Ajustati intotdeauna strans o cheie reglabila pentru a se potrivi pe piulita.



Nu folositi niciodata un ciocan pe chei.



Cheile trebuie ajustate strans la piulita si trase astfel incat forta sa fie pe partea falcii fixe.



Inspectia periodica a uneltelor de mana de catre personal competent este o necesitate de siguranta.

IREGA 99XS

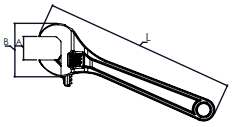
Cheie reglabila fosfatata Extra Slim (2,5 mm) cu manson ErgoTop®

- *material: otel crom vanadiu*
- *tija falcii nu iese in afara la deschidere maxima: accesibilitate sporita*
- *falci extra subtiri (2,5 mm)*
- *scala de masurare metric pe falci pentru presetare si masurare piulite, suruburi, tevi, etc.*
- *accesibilitate mai mare datorita designului falcilor Slim Xtra: pana la 50% mai subtire decat cheile standard, cu o deschidere similara*
- *cea mai mare accesibilitate garantata datorita grosimii reduse, pe toata lungimea falcilor Xtra Slim*
- *conform ISO 6787 si ASME B107.8*









	L	B	S	T	U			
571248104005106	114	35	9.5	2.5	6.3	13	50	**138.52**
571430106005106	161	50	10.8	2.5	8.0	24	125	**151.97**

UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.



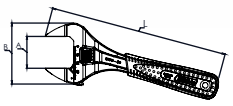


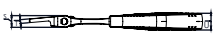
IREGA SWO 99

Cheie reglabila fosfatata cu deschidere marita cu manson ErgoTop®

- *suprafete perfect paralele pentru o prindere optima a piulitei*
- *scala milimetrica - permite o presetare rapida, precum si masurarea piulitelor, suruburilor, tevilor etc.*
- *falca mobila nu iese in afara in pozitia de deschidere maxima - acces excelent in spatii inguste*
- *falci rectificate pentru o functionare mai lina si precisa - ajustare optima a falcii mobile si a manerului*
- *siguranta dubla: stift filetat si fanta vizibila pentru lucrari extreme*
- *material: otel crom vanadiu - rezistenta ridicata, uzura minima, durabilitate de neegalat*
- *maner ErgoTop® pentru o prindere optima si un lucru mai confortabil si eficient*
- *SWO 99 6" deschidere marita 34 mm (1 3/8") cu 78% mai mare decat cheile reglabile standard (6"), dimensiuni similare; greutate redusa - 205 grame cu 68% mai usoara decat chei reglabile standard (12") cu deschidere similara*
- *SWO 99 8" deschidere marita 39 mm (1 1/2") cu 62% mai mare decat cheile reglabile standard (8"), dimensiuni similare; greutate redusa - 345 grame cu 50% mai usoara decat chei reglabile standard (12"), care are deschidere mai mica*







	L	B	S	T	U			
570433106008105	176	65	14	6.69	18	34	220	**189.84**
570433108008105	216	73	14	6.23	21	39	345	**204.92**
570300110005105	264	96	15.8	5.90	22	53	535	**279.79**

UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.

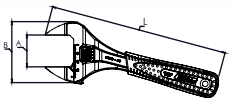


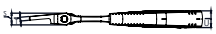
IREGA SWO 92 NOU

Cheie reglabila cromata cu deschidere marita cu manson ErgoTop®

• suprafete perfect paralele pentru strangerea optima a piulitelor
• falca mobila neproeminenta in pozitie de deschidere maxima - accesibilitate excelenta in spatii mici.
• scara milimetrica: permite presetarea si masurarea rapida a piulitelor, suruburilor, tevilor etc.
• falcie mai lungi si mai subtiri: functionalitate si etanseitate maxime
• rectificare pentru o functionare mai lina si mai precisa: potrivire optima a gurii mobile si a manerului.
• dubla siguranta: stift filetat si crestatura vizibila pentru lucrul in conditii extreme.
• maner ErgoTop® pentru o prindere optima si o munca mai confortabila si mai eficienta.
• material: otel Crom-Vanadiu: rezistenta ridicata, uzura minima, durabilitate de neegalat
• SWO 99 6" deschidere marita 34 mm (1 3/8") cu 78% mai mare decat cheile reglabile standard (6"), dimensiuni similare; greutate redusa - 205 grame cu 68% mai usoara decat chei reglabile standard (12") cu deschidere similara
• SWO 99 8" deschidere marita 39 mm (1 1/2") cu 62% mai mare decat cheile reglabile standard (8"), dimensiuni similare; greutate redusa - 345 grame cu 50% mai usoara decat chei reglabile standard (12"), care are deschidere mai mica







	L	B	S	T	U			
570308006008105	176	65	14	6.69	18	34	220	**230.92**
570308008008105	216	73	14	6.23	21	39	345	**249.59**
570310010005105	264	96	15.8	5.90	22	53	345	**329.50**

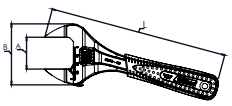
UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.

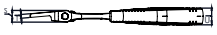
IREGA SWO 92XS NOU

Cheie reglabila cromata Extra Slim (4,5 mm) cu manson ErgoTop®

• falci extra-subtiri pentru accesibilitate maxima
• suprafete perfect paralele pentru o prindere optima a piulitei
• finisaj cromat
• scala milimetrica - permite o presetare rapida, precum si masurarea piulitelor, suruburilor, tevilor etc.
• falca mobila nu iese in afara in pozitia de deschidere maxima - acces excelent in spatii inguste
• falci rectificate pentru o functionare mai lina si precisa - ajustare optima a falcii mobile si a manerului
• siguranta dubla: stift filetat si fanta vizibila pentru lucrari extreme
• material: otel crom vanadiu - rezistenta ridicata, uzura minima, durabilitate de neegalat
• maner ErgoTop® pentru o prindere optima si un lucru mai confortabil si eficientt







	L	B	S	T	U			
570909006005105	176	35	9.5	2.5	6.3	13	50	**257.39**
570909008005105	216	50	10.8	2.5	8.0	24	125	**275.55**

UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.

IREGA 92WR

Cheie reglabila cromata cu falca reversibila

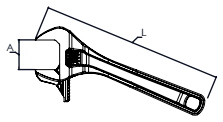
• falca reversibila pentru lucrul cu tevi
• scala dubla (milimetric si in inch): permite o presetare rapida, precum si masurarea piulitelor, suruburilor, tevilor etc.
• falci rectificate pentru o functionare mai lina si precisa: ajustare optima a falcii mobile si a manerului
• siguranta dubla: stift filetat si fanta vizibila pentru lucrari in conditii extreme
• finisaj cromat, acoperire tripla (2 straturi de nichel + 1 strat de crom) pentru aderenta perfecta a cromului si rezistenta maxima la coroziune
• maner ergonomic pentru o munca mai confortabila si eficienta
• fiecare unealta este inspectata individual: garantie de satisfactie totala a clientilor nostri
• material: otel crom-vanadiu - rezistenta ridicata, uzura minima, durabilitate de neegalat.
• cod de identificare - trasabilitate completa
• in conformitate cu cele mai stricte standarde internationale UNE 16532: 2002; ISO 6787: 2001; BS ISO 6787: 2001; ASME B107.100-2010 (B107.8); DIN 3117













	L	S	T	U			
571101006005306	161	10.8	5.3	8.0	27	140	**176.72**
571101008005306	207	14	7.3	10.0	34	280	**219.18**
571101010005306	259	15.8	7.8	11.5	40	450	**262.95**
571101012005303	311	19	9.8	13.5	45	730	**352.79**

UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.

IREGA 99WR NOU

Cheie reglabila fosfatata cu falca reversibila

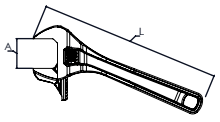
• falca reversibila pentru lucrul cu tevi
• scala dubla (milimetric si in inch): permite o presetare rapida, precum si masurarea piulitelor, suruburilor, tevilor etc.
• falci rectificate pentru o functionare mai lina si precisa: ajustare optima a falcii mobile si a manerului
• siguranta dubla: stift filetat si fanta vizibila pentru lucrari in conditii extreme
• finisaj cromat, acoperire tripla (2 straturi de nichel + 1 strat de crom) pentru aderenta perfecta a cromului si rezistenta maxima la coroziune
• maner ergonomic pentru o munca mai confortabila si eficienta
• fiecare unealta este inspectata individual: garantie de satisfactie totala a clientilor nostri
• material: otel crom-vanadiu - rezistenta ridicata, uzura minima, durabilitate de neegalat.
• cod de identificare - trasabilitate completa
• in conformitate cu cele mai stricte standarde internationale UNE 16532: 2002; ISO 6787: 2001; BS ISO 6787: 2001; ASME B107.100-2010 (B107.8); DIN 3117













	L	S	T	U			
571130106005305	161	10.8	5.3	8.0	27	140	**174.25**
571130108005305	207	14	7.3	10.0	34	280	**216.50**
571130110005305	259	15.8	7.8	11.5	40	450	**259.77**
571130112005305	311	19	9.8	13.5	45	730	**348.51**

UNE 16532, ISO 6787, ASME B107.8, BS ISO 6787 and DIN 3117.

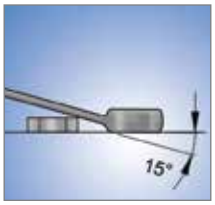


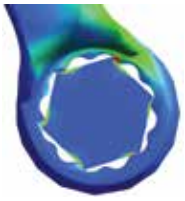
120/1

Cheie combinata, varianta lunga

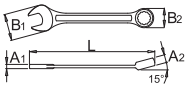
- *cheia este forjata din otel premium crom-vanadiu*
- *cheia se remarca prin rezistenta exceptionala, durabilitatea si protectia suprafetei, care ofera utilizatorului o utilizare fiabila si de lunga durata. Este o solutie completa pentru insurubarea suruburilor si piulitelor si un instrument indispensabil atat pentru profesionisti, cat si pentru pasionatii de bricolaj.*
- *material: otel premium crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *cap lustruit*
- *in concordanta cu standardul ISO 7738 (numai dimensiunile in mm)*
- *capul cheii sub un unghi de 15°*







LIFE profile



UNIOR Premium

		L	B2	B1	A2	A1		
616746	4	105	8	14	4	3.2	11	32.13
616747	4.5	105	8	14	4	3.2	7	32.13
616748	5	119	10.4	14.5	5	3.5	7	32.13
600357	6	119	10.4	14.5	5	3.5	16	25.90
600358	7	129	11.5	16.5	5.8	3.9	15	26.07
600359	8	141	13.2	18.5	6.9	3.9	23	26.56
600360	9	152	14.3	21	7.3	4	27	30.16
600361	10	163	15.9	23	7.5	4.2	37	32.62
600362	11	176	17.8	24.5	8	4.5	45	34.26
600363	12	186	19.4	26.5	8.5	4.7	55	36.23
600364	13	199	20.4	29.5	8.5	5.2	68	38.85
600365	14	210	22	31.5	9	5.2	83	39.67
600366	15	222	23.2	33.5	9.5	5.7	96	42.62
600367	16	234	24.8	36	10.5	6.2	121	43.44
600368	17	245	26.1	38	10.5	6.7	144	46.39
600369	18	257	27.7	40	11	7.2	165	49.34
600370	19	268	29.3	42	12	7.2	186	52.79
600371	20	280	31	44	12.5	7.7	225	56.07
600372	21	291	32.6	45.5	13	8.2	251	60.00
600373	22	303	34.1	46.5	13	8.2	266	64.92
600374	23	314	35.7	50.5	13	8.2	300	73.28
600375	24	330	37.3	52.5	14	8.5	382	75.74
600376	25	337	39	54.5	14.5	8.5	377	84.26
600377	26	349	40.1	56	15	8.5	422	86.89
600378	27	360	41.6	57.5	15	9	453	95.90
600379	28	373	43.2	59.5	15.5	9	532	103.93
600380	29	383	44.9	61.5	16	9.5	567	112.13
600381	30	395	46.5	63.5	16	10	632	118.69
600382	32	416	49	68	16.5	10.5	719	128.03
607019	35	500	53.5	78.8	20	13.6	1405	207.70
602601	36	500	53.5	78.8	20	13.6	1415	216.23
605838	38	515	58	82.8	20.5	14.1	1310	233.77
602602	41	540	62	86.8	21	14.6	1984	285.57
618514	46	560	69	94	23	16	2445	462.13
618517	50	580	75	103	24	17	1955	533.77
616752	55	600	83	112	26	18	3395	652.13
616753	60	620	91	120	28	20	4120	842.46
616754	65	640	100	130	30	21	5205	1398.85
616756	75	680	116	150	34	24	6995	1754.10

		L	B2	B1	A2	A1		
618491	1/4"	119	10.4	14.5	5	3.5	14	25.90
618492	5/16"	142	13.2	18.5	6.9	3.9	23	26.56
618493	3/8"	153	14.3	21	7.3	4	27	32.62
618494	7/16"	176	17.8	24.5	8	4.5	45	34.26
618495	1/2"	199	20.4	29.5	8.5	5.2	68	38.85
618496	9/16"	211	22	31.5	9	5.2	82	39.67
618497	5/8"	234	24.8	36	10.5	6.2	121	43.44
618498	11/16"	245	26.1	38	10.5	6.7	144	49.34
618499	3/4"	268	29.3	42	12	7.2	186	52.79
618500	13/16"	291	32.6	45.5	13	8.2	251	60.00
618501	7/8"	303	34.1	46.5	13	8.2	266	64.92
618502	15/16"	330	37.3	52.5	14	8.5	382	75.74
618503	1"	337	39	54.5	14.5	8.5	377	84.26
618504	1.1/16"	360	41.6	57.5	15	9	453	95.90
618505	1.1/8"	372	43.2	59.5	15.5	9	532	103.93
618506	1.1/4"	417	49	68	16.5	10.5	719	118.69
618507	1.5/16"	417	49	68	16.5	10.5	732	128.03
618508	1.3/8"	500	53.5	78.8	20	13.6	1425	272.30
618509	1.7/16"	500	53.5	78.8	20	13.6	1395	272.30
618510	1.1/2"	500	53.5	78.8	20	13.6	1335	272.30
618511	1.5/8"	540	62	86.8	21	14.6	2000	352.79
618512	1.11/16"	540	62	86.8	21	14.6	1960	352.79
618516	1.7/8"	560	69	94	23	16	2445	479.84
618518	2"	580	75	103	24	17	2985	539.84

120/1CB

Set de chei combinate lungi in cutie de carton



UNIOR Premium

600383	6 - 22 / 17	1930	705.74
120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)			
600384	6 - 32 / 26	6200	1584.26
120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32)			
611019	8 - 22 / 10	1105	414.92
120/1 (8, 10, 11, 12, 13, 14, 15, 17, 19, 22)			
611020	10 - 30 / 12	2611	678.36
120/1 (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30)			
619398	1/4" - 1.1/4" / 16	3720	946.23
120/1 (1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4")			





120/1CS

Set de chei combinate lungi in cutie de carton



UNIOR Premium

603709	8 - 19 / 8	770	303.28
120/1 (8, 9, 10, 12, 13, 14, 17, 19)			

120/1MS

Set de chei combinate lungi cu suport metalic



UNIOR Premium

605537	6 - 22 / 17	2765	790.16
120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 977/2 (6 - 22/17)			

120/1CT

Set de chei combinate lungi in husa textila



UNIOR Premium

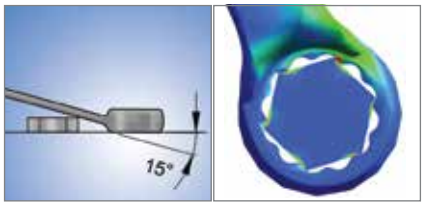
615475	8 - 22 / 8	1050	476.56
120/1 (8, 10, 11, 13, 15, 17, 19, 22), CT129 (470x330)			

125/1

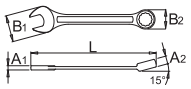
Cheie combinata, varianta scurta

- *cheia este forjata din otel premium crom-vanadiu*
- *cheia se remarca prin rezistenta exceptionala, durabilitatea si protectia suprafetei, care ofera utilizatorului o utilizare fiabila si de lunga durata. Este o solutie completa pentru insurubarea suruburilor si piulitelor si un instrument indispensabil atat pentru profesionisti, cat si pentru pasionatii de bricolaj.*
- *material: otel premium crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *cap lustruit*
- *in concordanta cu standardul ISO 7738 (numai dimensiunile in mm)*
- *fabricat in conformitate cu norma ISO 3318/3313A (doar dimensiuni in sistem metric)*
- *capul cheii sub un unghi de 15°*





LIFE profile



UNIOR Premium

		L	B2	B1	A2	A1		
618651	5	84	5.8	12	3	3	9	35.08
618652	5.5	84	5.8	12	3	3	9	35.08
600414	6	100	10.4	14.5	5	3.5	11	23.93
600415	7	109	11.5	16.5	5.8	3.9	15	24.10
600416	8	119	13.2	18.5	6.9	3.9	20	25.08
600417	9	123	14.3	21	7.3	4	25	27.38
600418	10	128	15.9	23	7.5	4.2	29	30.16
600419	11	135	17.8	24.5	8	4.5	35	31.80
600420	12	139	19.4	26.5	8.5	4.7	45	33.28
600421	13	150	20.4	29.5	8.5	5.2	54	34.92
600422	14	160	22	31.5	9	5.2	63	36.23
600423	15	170	23.2	33.5	9.5	5.7	78	38.85
600424	16	180	24.8	36	10.5	6.2	95	39.84
600425	17	190	26.1	38	10.5	6.7	121	42.62
600426	18	200	27.7	40	11	7.2	135	45.57
600427	19	210	29.3	42	12	7.2	157	48.52
600428	20	220	31	44	12.5	7.7	186	51.48
600429	21	230	32.6	45.5	13	8.2	198	55.41
600430	22	247	34.1	46.5	13	8.2	230	59.67
602089	23	250	35.7	50.5	13	8.2	254	67.21
602090	24	266	37.3	52.5	14	8.5	300	69.34
602091	25	270	39	54.5	14.5	8.5	330	76.72
602092	26	275	40.1	56	15	8.5	342	79.84
602093	27	292	41.6	57.5	15	9	365	88.52
602094	28	296	43.2	59.5	15.5	9	432	95.25
602095	29	300	44.9	61.5	16	9.5	455	103.28
602096	30	323	46.5	63.5	16	10	522	108.85
602097	32	343	49	68	16.5	10.5	602	118.03
603332	36	400	54.5	79.5	20	13.5	1115	196.23
618566	41	420	62	86.8	21	14.6	1575	320.33
618570	46	440	69	94	23	16	1985	397.54

125/1CB

Set de chei combinate scurte in cutie de carton



UNIOR Premium

600431	6 - 22 / 17	1590	648.69
125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)			
602098	6 - 32 / 26	5240	1455.74
125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 9, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32)			
611021	8 - 22 / 10	893	380.98
125/1 (8, 10, 11, 12, 13, 14, 15, 17, 19, 22)			
611022	10 - 30 / 12	2100	622.62
125/1 (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30)			

125/1CT

Set de chei combinate scurte in husa textila



UNIOR Premium

625675	6 - 32 / 26	5340	1673.61
125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32), CT110 (430 x 275)			

125/1CS

Set de chei combinate scurte in cutie de carton



UNIOR Premium

603711	8 - 19 / 8	650	278.20
125/1 (8, 9, 10, 12, 13, 14, 17, 19)			

125/1CT

Set de chei combinate scurte in husa textila



UNIOR

615478	8 - 22 / 8	851	427.21
125/1 (8, 10, 11, 13, 15, 17, 19, 22), CT110 (430x275)			

Cheie combinata rapida

- *cheile combinate rapide EGA Master sunt utilizate pentru a desface si a strange piulite si suruburi intr-un mod foarte rapid si usor. Acest instrument de mana este folosit pentru lucrari care necesita o executie usoara cu un consum redus de energie.*
- *cheia rapida EGA Master, datorita designului sau special cu gura deschisa, permite introducerea acesteia mai rapid si mai usor printr-o simpla rotatie a cheii.*
- *nu este necesar sa aliniati cheia cu fetele piulitei. Cheia isi ia singura pozitia datorita fetelor interioare ale gurii concepute pentru acest scop.*
- *cheia face contact direct pe fete, nu pe margini, astfel incat piulita nu este deteriorata. Acest design asigura o eficienta mai mare pe piulitele rotunjite, fara margini ascutite.*
- *potrivire mai buna in 3 puncte diferite ale piulitei sau surubului pentru o forta mai mare.*
- *permite o munca de 3 ori mai rapida comparativ cu o cheie combinata standard, fara a fi necesara repozitionarea cheii.*
- *aceasta cheie ofera si un sistem cu 12 puncte care face contact pe fetele piulitei, crescand astfel rezistenta cu 15% - 20%, sporind cuplul aplicabil.*





Designul inovativ al capatului cu cutie permite strangerea mai multor tipuri de capete de suruburi si piulite, cum ar fi cele Sferice, Hexagonale, cu 12 puncte, Torx® si Square, chiar si pe capete care sunt rotunjite pana la 50% din cauza uzurii sau ruginii.

EGA Master ART IN INNOVATION

		L	A	B	C	D		
62742	10	160	8,0	22	17	6	55	113.62
62743	11	170	9,5	24	19	6	70	120.98
62744	12	175	10	26	20	7	80	125.82
62745	13	180	11	28	21	7	90	134.07
62746	14	195	12	31	23	8	110	136.30
62747	15	210	12	33	24	8	135	156.08
62748	16	210	12	33	24	8	150	166.05
62749	17	230	14	37	27	9	170	180.99
62750	18	230	16	37	27	9	170	193.41
62751	19	250	16	41	30	10	220	208.43
62752	20	250	16	41	30	10	220	228.81
62753	21	270	17	45	32	11	290	239.52
62754	22	300	17	47	34	11	320	243.38
62755	23	300	19	50	34	11	350	260.41
62756	24	320	19	50	34	11	395	283.31
62757	26	340	21	55	37	11	470	309.56
62759	3/8"	160	8	22	17	6	55	113.62
62760	7/16"	170	9,5	24	19	6	70	120.98











250C

Cheie inelara simpla cotita

- *material: crom vanadiu*
- *executie in conformitate cu standardul DIN ISO 691*





WGB THE WERKZEUG

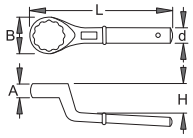
		L		
2502403	24	179	390	**231.00**
2502703	27	190	466	**276.53**
2503003	30	200	514	**316.23**
2503203	32	235	710	**369.59**
2503603	36	244	786	**443.57**
2504103	41	265	916	**527.10**
2504603	46	280	1188	**622.99**
2505003	50	289	1390	**706.74**
2505503	55	300	1496	**940.02**
2506003	60	345	2250	**1251.24**
2506503	65	355	2600	**1491.38**
2507003	70	364	2800	**1491.38**
2507503	75	370	3800	**2092.77**
2508003	80	387	3850	**2208.83**

178/2

Cheie inelara simpla cotita

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





UNIOR Premium

		A	B	d	H	L		
620821	24	17	42	18.5	30	180	481	**143.44**
620822	27	17	42	18.5	30	180	456	**158.36**
620823	30	17	42	18.5	30	180	454	**172.62**
620824	32	18	50	20.5	35	235	733	**191.64**
620825	36	18	50	20.5	35	235	686	**237.05**
620826	41	18	55	20.5	35	235	712	**252.62**
620827	46	22	70	23.5	40	265	1208	**283.44**
620828	50	22	70	23.5	40	265	1218	**333.11**
620829	55	22	75	23.5	40	265	1156	**370.33**
620830	60	30	94	29.5	50	345	2512	**517.05**
620831	65	30	94	29.5	50	345	2582	**763.44**
620835	85	40	125	29.5	59	385	3741	**1011.85**
620836	90	45	140	29.5	63	410	3941	**1298.64**

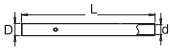
178.1/2

Maner de antrenare pentru 178/2

- *material:crom molibden*
- *acoperire cromare conform EN12540*



UNIOR Premium



		D	d	L		
620840	24 - 30	25	19	460	744	**145.74**
620841	32 - 41	27	21	610	1049	**204.92**
620842	46 - 55	30	24	760	1509	**266.39**

260C

Maner de antrenare pentru 250C

- *material: crom vanadiu*
- *acoperire: cromare*



WGB THE WERKZEUG

		Nr	L		
2600013	22 - 30	1	460	602	**203.15**
2600023	32 - 41	2	610	920	**314.99**
2600033	46 - 55	3	760	2150	**410.30**
2600043	60 - 105	4	860	2850	**694.45**

280

Cheie inelara simpla dreapta DIN 3111

- *material: OLC*
- *forjata, calire si revenire totala*
- *executie in conformitate cu standardul DIN 3111*



WGB THE WERKZEUG

		L		
2803604	36	292	479	**485.86**
2804604	46	362	919	**708.70**
2805004	50	388	1188	**853.43**
2805504	55	441	1628	**972.53**
2806004	60	473	1764	**1194.32**
2806504	65	508	2200	**1457.98**



290

Cheie inelara dublu cotita DIN 838

- *material: crom-vanadiu*
- *conform DIN 838*
- *finisare: cromare; ISO 3318; ISO 1085; ISO 10104*



WGB THE WERKZEUG

		L		
2955603	55 x 60	625	3850	**1045.33**
2965703	65 x 70	695	5300	**1595.30**
2975803	75 x 80	775	7000	**6998.56**

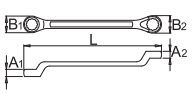
179/2

Chei inelare dublu cotite pentru schele

- *material: crom vanadiu*
- *forjare, calire si intarire totala*
- *acoperire cromare conform EN12540*
- *acoperire prin cromare*







UNIOR

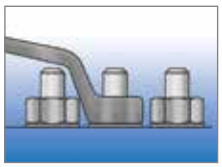
		L	B1	B2	A1	A2		
605042	21 x 22	316	34	35	17	17	657	**111.80**

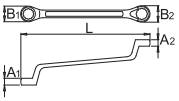
180/1

Cheie inelara dublu cotita DIN 838

- *cheia este forjata din otel premium crom-vanadiu*
- *cheia se remarca prin rezistenta exceptionala, durabilitatea si protectia suprafetei, care ofera utilizatorului o utilizare fiabila si de lunga durata*
- *este o solutie completa pentru insurubarea suruburilor si piulitelor si un instrument indispensabil atat pentru profesionisti, cat si pentru pasionatii de bricolaj.*
- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform ISO 1456:2009*
- *capete polizate*
- *partea inelara cu profil de protectie*
- *conform standardului ISO 10104 (numai pentru dimensiunile in mm)*
- *realizat conform standardului DIN 838*







UNIOR Premium

		L	B1	B2	A1	A2		
600511	6 x 7	178	10.3	11.8	5.5	6.1	48	**32.13**
600512	8 x 9	190	14	15,5	6.7	7.3	60	**32.79**
600513	8 x 10	166	12,9	15,5	6	8	50	**35.57**
600514	10 x 11	205	17	18,5	7.9	8.4	81	**36.23**
600516	12 x 13	220	20	21,5	9	9.5	108	**38.69**
600518	13 x 15	235	21,5	24	9.5	10.5	144	**43.11**
600519	13 x 17	258	21,5	27	9.5	11.5	172	**44.43**
600520	14 x 15	235	23	24	10	10.5	140	**42.30**
600522	16 x 17	258	26	27	11	11.4	187	**44.75**
600523	17 x 19	270	27	30	11.4	12.4	233	**56.89**
600524	18 x 19	270	29	30	11.9	12.4	230	**52.13**
600525	19 x 22	295	30	35	12.4	13.7	308	**62.79**
600526	20 x 22	295	32	35	12.8	13.7	320	**60.98**
600527	21 x 23	305	33	37	13.3	14,1	336	**67.38**
600528	22 x 24	315	35	38	13.7	14,6	368	**76.07**
600529	24 x 26	325	38	41	14.6	15,4	459	**78.20**
600530	24 x 27	325	38	42	14.6	15,8	453	**83.93**
600531	25 x 28	335	40	44	15	16,2	522	**85.41**
600534	27 x 32	360	42	49	15.8	17,8	672	**103.77**
600535	30 x 32	370	46	49	17	17,8	680	**101.80**
603124	30 x 36	395	43	48	15	18	845	**156.39**
600536	32 x 36	410	48.2	54.2	17.8	19.4	915	**156.39**
600537	36 x 41	450	48	56	19	21	945	**190.49**
602664	41 x 46	472	56	61	21	23	1430	**269.34**

180/1CS

Set de chei inelare dublu cotite in cutie de carton



UNIOR Premium

602845	6 - 22 / 8	1320	**340.00**

180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)

180/1CB

Set de chei inelare dublu cotite in cutie de carton



UNIOR Premium

600541	6 - 22 / 8	1230	**340.00**

180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22)

603674	6 - 27 / 10	2020	**491.31**

180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27)

600542	6 - 32 / 12	3275	**674.75**

180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32)

600543	6 - 41 / 13	4465	**865.25**

180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32, 36 x 41)

182/2BTX

Cheie inelara plata cu cap inclinat, profil TX (Torx)

- *material: otel crom-vanadiu premium*
- *forjat la cald, complet calit si revenit*
- *finisaj de suprafata: placare cu crom trivalent conform ISO 1456:2009*
- *unghi de 15° permite accesul in locuri greu accesibile*



UNIOR

		L	B1	B2	A		
612893	E10xE12	112	12.7	14	5.6	20	**40.82**
612894	E14xE18	137	16.5	21	6.6	38	**48.03**

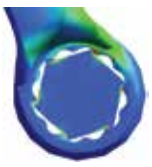
182/2A

Cheie inelara dubla dreapta cu capete drepte DIN 837

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *partea inelara cu profil de protectie*
- *in concordanta cu standardul DIN 837 (numai pentru dimensiunile in mm)*







LIFE profile

UNIOR Premium

		L	B1	B2	A		
612004	6 x 7	97	10	11.3	4.6	11	**29.02**
612005	8 x 9	112	12.7	14	5.6	19	**29.67**
612006	10 x 11	132	15.6	16.5	6.6	29	**32.79**
612007	12 x 13	147	18	19	7.6	44	**34.75**
612008	14 x 15	162	20.5	21.5	7.6	59	**38.20**
612009	16 x 17	172	23.2	24.2	8.6	90	**40.33**
612010	18 x 19	186	25.9	27.4	9.6	112	**47.05**
612011	20 x 22	206	28.9	31.8	11	161	**55.25**
612013	24 x 26	258	34.8	37.3	11.5	289	**70.66**
612015	27 x 29	298	38.3	41.8	13	378	**95.41**
612016	30 x 32	318	42.7	45.2	13.5	467	**91.80**

182/2ACB

Set de chei inelare duble drepte in cutie de carton



UNIOR Premium

612568	6 - 32 / 11	2275	669.34

182/2A (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 24 x 26, 27 x 29, 30 x 32)

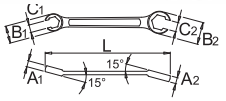
183/2

Cheie inelara dublu decupata

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *profilul pana la dimensiunea de 12x14 este in 6 puncte, de la 16x18 pana la 30x32 este in 12 puncte*

Utilizare:
- *aplicatii: in industrie si ateliere de reparatii specializate in instalatii hidraulice si pneumatice.*
- *cheia permite lucrul in zone dificile articulate unde folosirea cheilor clasice nu este posibila prin natura muncii (ex :imbinarea cablurilor de otel, conducte hidraulice si de apa, valve etc.)*





UNIOR Premium

		L	A1	A2	B1	B2	C1	C2		
612701	8 x 10	145	7	8.5	18	20	6	7	48	33.11
612702	10 x 11	152	8.5	9	20	22	7	8.5	64	36.89
612703	11 x 13	165	9	11	22	26	8.5	10	88	37.87
612704	12 x 14	178	10	12	24	28	9	11	125	40.16
615147	16 x 18	196	12	12.5	30.5	33.5	13	14	203	42.95
612705	17 x 19	210	13	14	32	35	14	15	204	44.92
612706	19 x 22	233	14	16	35	41	15	17	242	51.64
612707	22 x 24	265	16	17	41	45	17	18	297	67.38
612708	24 x 27	265	17	17	45	48	18	20	367	70.82
612709	30 x 32	285	21	23	50	52	22	24	552	92.46

183/2CT

Set de chei inelare dublu decupate in husa



UNIOR Premium

615467	8 - 24 / 6	1065	367.87

183/2 (8 x 10, 11 x 13, 12 x 14, 16 x 18, 17 x 19, 22 x 24), CT252 (360 x 290)

183/2CB

Set de chei inelare dublu decupate in cutie de carton



UNIOR Premium

612985	8 - 22 / 6	824	244.26

183/2 (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22)

183/2CB

Set de chei inelare dublu decupate in cutie de carton



UNIOR Premium

612986	8 - 32 / 9	2085	475.08

183/2 (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22, 22 x 24, 24 x 27, 30 x 32)

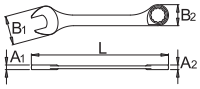
160/2

Cheie combinata cu clichet

- *material: crom vanadiu*
- *tratament termic complet*

Avantaje:
- *clichet: lucreaza in ambele sensuri, sensul de rotatie se schimba din buton*
- *72-dinti, 5° unghi de lucru*
- *partea poligonala a cheii este dotata de un inel de blocaj destinat impiedicarii alunecarii neasteptate de pe piulita si de a facilita repozitionarea pe aceasta.*
- *permite strangerea piulitei usor si rapid, fara risc de ranire a utilizatorului si repozitionarea cheii pe piulita in mod sigur si precis.*





UNIOR Premium

		L	B2	B1	A2	A1		
622818	8	134	134	16,7	8,4	4,7	40	72.13
622819	9	158	158	21	8,4	5,5	55	73.61
622820	10	158	158	21	8,4	5,5	60	73.61
622821	11	164	164	23	9,7	6	70	76.23
622822	12	167	167	25	9,7	6,2	80	81.97
622823	13	177	177	27,5	9,7	6,0	96	86.07
622824	14	189	189	29	10,1	7	125	91.80
622825	15	198	198	31,5	11,7	7,2	150	98.85
622826	16	204	204	33	11,7	7,5	165	104.75
622827	17	224	224	34,9	11,7	8	183	111.64
622828	18	245	245	38,9	12	8,8	210	123.28
622829	19	245	245	38,9	19	12	230	129.02
622831	21	280	280	42,6	14,2	9,5	358	169.84
622832	22	280	280	42,6	14,2	9,5	378	169.84
622834	24	310	310	46,5	14,7	10	480	196.89

160/2CS

Set de chei combinate forjate cu clichet in cutie de carton



UNIOR Premium

623709	8 - 19 / 6	820	571.48

160/2 (8, 10, 13, 15, 17, 19)

160/2CB

Set de chei combinate forjate cu clichet in cutie de carton



UNIOR Premium

623080	8 - 24 / 9	2000	1067.38

160/2 (8, 10, 13, 16, 17, 18, 19, 22, 24)

160/2CB

Set de chei combinate forjate cu clichet in cutie de carton



UNIOR Premium

622463	8 - 19 / 7	1800	646.39

160/2 (8, 10, 12, 13, 14, 17, 19)

160/2CT

Set de 6 chei combinate forjate cu clichet in husa textila



UNIOR

627001	8 - 19 / 6	1834	673.11

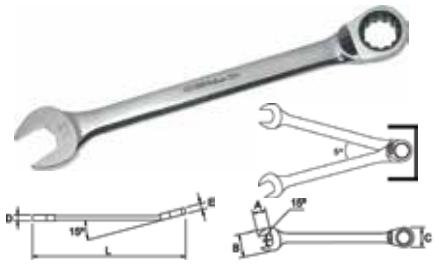
160/2 (8, 10, 13, 15, 17, 19)

NOU

Cheie combinata cu clichet reversibil DIN 1711

• comutatorul pentru cheile combinatice reversibile MASTERGEAR a fost conceput pentru a:
- peveni necesitatea de inlocuire prematura din cauza ruperea
- comutatorului, deoarece acesta este protejat de corpul cheii.
- evita schimbarea nedorita a directiei comutatorului in timpul
- utilizarii.
- oferi confort in utilizare, fara obstacole.

• fabricate din otel crom-vanadiu, acestea indeplinesc cu usurinta cele mai restrictive standarde de calitate.
• economisiti timp si manevrabilitate: rotile cu 72 de dinti lucreaza impreuna, iar designul capului de clichet permite strangerea in cele mai inguste locuri, necesitand doar 5° pentru acest scop.



EGA Master ART IN INNOVATION

		L	A	B	C	D		
62680	8	145	9,5	17	18	4,7	50	156.16
62681	9	150	10	19	19	5,3	55	165.60
62682	10	160	11	22	21	5,7	60	175.19
62683	11	165	12	23	22	6,1	80	184.71
62684	12	175	13	25	23	6,4	90	194.08
62685	13	180	15	26	25	6,6	100	203.53
62686	14	190	16	29	26	7,3	120	217.65
62687	15	200	17	31	28	7,5	130	227.17
62688	16	210	18	33	29	7,7	150	236.69
62689	17	230	20	36	30	7,9	180	265.10
62690	18	240	21	38	32	8,4	200	284.13
62691	19	250	21	39	34	8,7	240	312.31
62692	21	270	24	43	38	9,5	310	331.35
62693	22	280	25	46	41	10,0	340	359.76
62694	24	300	26	48	45	11,0	450	378.57
62695	5/16"	145	9,0	17	18	4,7	50	156.16
62696	3/8"	160	12	22	21	5,7	60	170.43
62697	7/16"	165	12	23	22	6,1	80	189.40
62698	1/2"	180	14	26	25	6,6	100	208.21
62699	9/16"	190	16	29	26	7,3	120	227.17
62700	5/8"	210	18	33	29	7,7	150	246.21
62701	11/16"	230	20	36	30	7,9	180	265.10
62702	3/4	250	22	39	34	8,7	240	284.13
62703	13/16"	270	23	43	38	9,5	310	302.87
62704	7/8"	280	26	46	41	10,0	340	321.91
62705	15/16"	300	27	48	45	11,0	450	331.35

NOU

Set 12 de chei combinate cu clichet reversibil in cutie PVC

DIN 1711



EGA Master ART IN INNOVATION

69870	8 - 19 / 16	2000	3311.95
	(8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19) adaptoare (1/4"-10, 3/8"-17, 1/2"-19 mm) adaptor (1/4"-1/4")		
69871	8 - 19 / 12	1800	3117.12
	(8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19)		

NOU

Set de 6 chei combinate cu clichet reversibil in cutie PVC

DIN 1711



EGA Master ART IN INNOVATION

69866	8 - 19 / 10	1000	1850.84
	(8, 10, 11, 13, 17, 18) adaptoare (1/4"-10, 3/8"-17, 1/2"-19 mm) adaptor (1/4"-1/4")		
69867	8 - 19 / 6	800	1509.89
	(8, 10, 11, 13, 17, 18)		

NOU

Cheie combinata articulata cu clichet reversibil DIN 1711

• comutatorul pentru cheile combinatice reversibile MASTERGEAR a fost conceput pentru a:
- peveni necesitatea de inlocuire prematura din cauza ruperea
- comutatorului, deoarece acesta este protejat de corpul cheii.
- evita schimbarea nedorita a directiei comutatorului in timpul
- utilizarii.
- oferi confort in utilizare, fara obstacole.

• fabricate din otel crom-vanadiu, acestea indeplinesc cu usurinta cele mai restrictive standarde de calitate.
• economisiti timp si manevrabilitate: rotile cu 72 de dinti lucreaza impreuna, iar designul capului de clichet permite strangerea in cele mai inguste locuri, necesitand doar 5° pentru acest scop.



EGA Master ART IN INNOVATION

		L	A	B	C	D		
61379	6	125	6,8	13,5	14,4	4,2	50	149.09
61404	7	132	7,9	14,6	17,5	4,3	55	149.09
61530	8	145	9,5	17	18	4,7	60	149.09
61531	9	150	10	19	19	5,3	65	149.09
61532	10	155	11	22	21	5,7	70	149.09
61533	11	165	12	23	22	6,1	90	149.09
61534	12	170	13	25	23	6,4	95	158.98
61535	13	180	15	26	25	6,6	110	164.49
61536	14	190	16	29	26	7,3	120	171.48
61537	15	200	17	31	28	7,5	140	172.89
61538	16	210	18	33	29	7,7	160	196.31
61539	17	230	20	36	30	7,9	190	196.31
61540	18	240	21	38	32	8,4	210	222.41
61541	19	250	21	39	34	8,7	240	245.09
61542	21	270	24	43	38	9,5	250	286.51
61543	22	280	25	46	41	10,0	350	302.80
61544	24	300	26	48	45	11,0	460	322.87
61569	27	340	28,5	56	50	10	760	398.72
61582	30	365	32	63	55	11,5	900	457.02
61594	32	390	33,5	69	60	12,4	1000	526.55
61545	5/16"	145	9,0	17	18	4,7	60	164.49
61546	3/8"	155	12	22	21	5,7	70	175.49
61547	7/16"	165	12	23	22	6,1	90	185.31
61548	1/2"	180	14	26	25	6,6	110	192.07
61549	9/16"	190	16	29	26	7,3	130	232.30
61550	5/8"	210	18	33	29	7,7	170	252.90
61551	11/16"	230	20	36	30	7,9	190	270.90
61552	3/4"	250	22	39	34	8,7	250	289.04
61553	13/16"	270	23	43	38	9,5	320	295.88
61554	7/8"	280	26	46	41	10,0	350	305.47
61555	15/16"	300	27	48	45	11,0	460	315.74
61558	1"	320	26	51	46	9,4	550	322.13

NOU

Set chei combinate articulate cu clichet reversibil in husa



EGA Master ART IN INNOVATION

DIN 1711

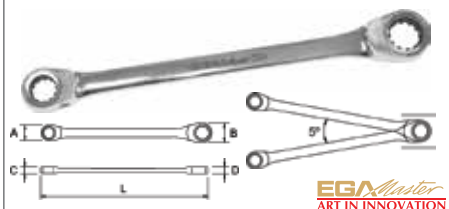
69105	8 - 19 / 6	1500	2015.77
	(8, 10, 12, 13, 17, 19)		
69106	8 - 22 / 8	1800	3070.05
	(8, 10, 12, 13, 14, 17, 19, 22)		
69107	8 - 22 / 10	2000	3586.34
	(8, 9, 10, 11, 12, 13, 14, 17, 19, 22)		

NOU

Cheie inelara dubla cu clichet DIN 1711

• comutatorul pentru cheile combinatice reversibile MASTERGEAR a fost conceput pentru a:
- peveni necesitatea de inlocuire prematura din cauza ruperea
- comutatorului, deoarece acesta este protejat de corpul cheii.
- evita schimbarea nedorita a directiei comutatorului in timpul
- utilizarii.
- oferi confort in utilizare, fara obstacole.

• fabricate din otel crom-vanadiu, acestea indeplinesc cu usurinta cele mai restrictive standarde de calitate.
• economisiti timp si manevrabilitate: rotile cu 72 de dinti lucreaza impreuna, iar designul capului de clichet permite strangerea in cele mai inguste locuri, necesitand doar 5° pentru acest scop.



EGA Master ART IN INNOVATION

		L	A	B	C	D		
63280	8x9	149	18	21	7,4	8,4	60	268.89
63281	10x11	167	21	22	8,4	8,4	90	292.24
58095	12x13	185	26	26	8,5	9,0	90	315.44
63282	12x15	225	23	28	8,4	8,4	135	338.79
63283	13x14	250	25	26	8,4	8,4	150	338.79
58096	14x15	202	29	29	9,7	9,7	150	338.79
58097	16x17	220	32	32	10	10	200	359.53
63284	16x18	270	29	32	10	11,5	250	380.21
58098	18x19	238	35	36	11,1	11,3	250	403.48
58099	20x22	255	40	40	13	13	390	464.08
63288	5/16"x3/8"	160	18	21	7,5	8,5	60	268.89
63289	3/8"x7/16"	165	21	24	8,5	8,5	90	284.21
63290	1/2"x9/16"	195	25	28	8,5	8,5	150	338.79
63291	11/16"x3/4"	230	30	34	10	12	250	403.48

NOU

Set de chei inelare duble cu clichet in husa



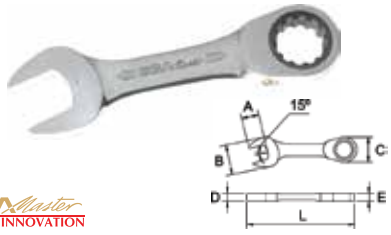
EGA Master ART IN INNOVATION

69990	8 - 19 / 6	820	1948.32
	(8x9, 10x11, 12x15, 13x14, 16-x17, 18x19)		

NOU

Cheie combinata cu clichet Mastergear Stubby cromat DIN 1711

• fabricate din crom-vanadiu, suporta cu usurinta cele mai restrictive standarde de calitate
• comutatorul pentru cheile combinate reversibile MASTERGEAR a fost proiectat pentru a:
- evita necesitatea inlocuirii timpurii din cauza spargerii, deoarece acest comutator este protejat de corpul cheii.
- evita inversarea nedorita a comutatorului in timpul utilizarii.
- lucrul confortabil, fara obstacole
• economisiti timp si manevrabilitate: angrenajul lor cu 72 de dinti impreuna, cu designul capului cu clichet, designul capului cu clichet permite strangerea in cele mai inguste locuri, fiind necesar doar 5º in acest scop



EGA Master ART IN INNOVATION

		L	A	B	C	D	E		
62710	8	90	9,5	17	17	4,0	7,4	29	129.46
62711	9	90	10	19	19	4,0	7,4	36	146.79
62712	10	100	11	21	22	4,5	8,4	44	172.59
62713	11	105	12	22	23	5,0	8,4	60	183.89
62714	12	105	13	23	25	5,5	8,4	60	198.54
62715	13	110	15	25	26	6,0	8,4	70	215.79
62716	14	115	16	26	30	6,0	8,4	80	224.42
62717	15	120	17	28	31	7,0	8,4	90	228.73
62718	16	120	18	29	33	7,0	10,0	105	250.37
62719	17	130	20	30	36	7,0	10,0	120	267.55
62720	18	130	21	32	38	8,0	11,4	140	284.88
62721	19	135	21	34	39	8,0	11,4	160	289.11
62722	5/16"	90	9,0	17	17	4,0	7,4	29	129.46
62723	3/8"	100	12	21	22	4,5	8,4	44	172.59
62724	7/16"	105	12	22	23	5,0	8,4	60	189.92
62725	1/2"	110	14	25	26	6,0	8,4	70	198.54
62726	9/16"	115	16	26	30	6,0	8,4	80	224.42
62727	5/8"	120	17	29	33	7,0	10,0	105	250.37
62728	11/16"	130	20	30	36	7,0	10,0	120	267.55
62729	3/4"	135	22	34	39	8,0	11,4	160	284.88

NOU

Set de chei combinate cu clichet in cutie plastic



EGA Master ART IN INNOVATION

69872	10 - 19 / 14 (10-11-12-13-14-15-16-17-18-19 mm) 1/4-10 , 3/8-17, 1/2-19 mm 1/4"-1/4"	1300	2613.55
69873	10 - 19 / 10 (10-11-12-13-14-15-16-17-18-19 mm)	1100	2328.53

68610 NOU

Set de 6 chei inelare cu clichet drepte in husa textila



EGA Master ART IN INNOVATION

EGA-68610	8 - 21 / 6 (8 x 10, 10 x 11, 12 x 13, 14 x 15, 14 x 17, 19 x 21)	1200	768.22

68612 NOU

Set de 6 chei inelare cu clichet inclinate in husa textila



EGA Master ART IN INNOVATION

68612	8 - 21 / 6 (8 x 10, 10 x 11, 12 x 13, 14 x 15, 14 x 17, 19 x 21)	1200	1087.52

68611 NOU

Set de 5 chei inelare cu clichet drepte in husa textila



EGA Master ART IN INNOVATION

68611	1/4" - 7/8" / 5 (1/4"-5/16", 3/8"-7/16", 1/2"-9/16", 5/8"-11/16", 3/4"-7/8")	1200	1346.37

68613 NOU

Set de 5 chei inelare cu clichet inclinate in husa textila



EGA Master ART IN INNOVATION

68613	1/4" - 7/8" / 5 (1/4"-5/16", 3/8"-7/16", 1/2"-9/16", 5/8"-11/16", 3/4"-7/8")	930	1475.98

NOU

Cheie inelara cu clichet dreapta

• permite strangerea piulitelor chiar si in zonele greu accesibile
• complet reversibila cu o simpla miscare a comutatorului lateral
• 18 dinti.



EGA Master ART IN INNOVATION

		L	A	B	C	D		
65107	8x10	150	20	18	9,5	9,0	85	88.49
65108	10x11	175	25	21	9,5	9,5	120	97.34
65109	12x13	180	29	24	10	9,5	140	123.88
65110	14x15	210	36	33	10	10	200	141.51
65111	14x17	210	40	37	11	10	210	159.28
65112	19x21	230	41	37	11	10	260	176.90
65113	1/4"-5/16"	150	18	18	8,5	8,5	60	194.68
65114	3/8"-7/16"	175	24	20	9,0	8,5	85	230.00
65115	1/2"-9/16"	180	29	24	10	9,5	140	283.09
65116	5/8"-11/16"	210	36	33	10	10	200	318.41
65117	3/4"-7/8"	210	40	37	11	12	260	353.88

NOU

Cheie inelara cu clichet inclinata

• permite strangerea piulitelor chiar si in zonele greu accesibile
• complet reversibila cu o simpla miscare a comutatorului lateral
• 18 dinti.



EGA Master ART IN INNOVATION

		L	A	B	C	D		
65118	8x10	150	20	18	9,5	9,0	85	138.09
65119	10x11	175	25	21	9,5	9,5	120	155.41
65120	12x13	180	29	24	10	9,5	140	172.59
65121	14x15	210	36	33	10	10	200	189.92
65122	14x17	210	40	37	11	10	210	207.17
65123	19x21	230	41	37	11	10	260	224.42
65124	1/4"-5/16"	150	20	17	9,5	8,5	60	233.05
65125	3/8"-7/16"	175	23	20	9,5	9,0	85	250.37
65126	1/2"-9/16"	180	30	27	10	9,5	140	293.50
65127	5/8"-11/16"	210	36	33	10	9,5	200	328.00
65128	3/4"-7/8"	210	40	37	10	10	260	371.13

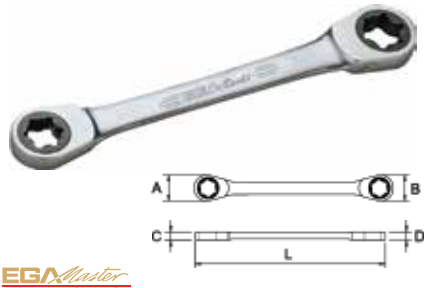
NOU

Cheie inelara MASTERGEAR E-TORX®

- *fabricate din crom-vanadiu, suporta cu usurinta cele mai restrictive standarde de calitate*
- *comutatorul pentru cheile combinate reversibile MASTERGEAR a fost proiectat pentru a:*

- evita necesitatea inlocuirii timpurii din cauza spargerii, deoarece acest comutator este protejat de corpul cheii.
- evita inversarea nedorita a comutatorului in timpul utilizarii.
- lucrul confortabil, fara obstacole

- *economisiti timp si manevrabilitate: angrenajul lor cu 72 de dinti impreuna, cu designul capului cu clichet, designul capului cu clichet permite strangerea in cele mai inguste locuri, fiind necesar doar 5º in acest scop*



EGA Master ART IN INNOVATION

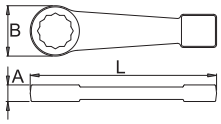
		L	A	B	C	D		
62734	E6 x E8	120	18	18	7,4	7,4	49	328.00
62735	E10 x E12	135	18	19	7,4	8,4	60	336.63
62736	E14 x E16	180	22	25	8,4	8,4	105	353.96
62737	E18 x E20	200	26	29	8,4	10,0	145	388.46
62738	E22 x E24	220	30	34	10,0	11,5	210	422.96

184/7

Cheie inelara de soc DIN 7444

- *material: otel carbon de scule*
- *forjata, calire si revenire totala*
- *acoperire: uleiere anticoroziva*
- *in concordanta cu standardul DIN 7444 (numai dimensiunile in mm)*





UNIOR Premium

		L	B1	B2		
620494	24	180	48.6	16	534	113.77
620495	27	180	48.6	16	514	127.38
620496	30	180	48.6	16	488	150.82
620497	32	190	58.4	18	739	160.82
620498	36	190	58.4	18	694	203.11
620499	41	235	74	22	1425	264.26
620500	46	235	74	22	1360	293.93
620501	50	235	74	22	1272	330.00
620502	55	275	97.6	27	2800	370.49
620503	60	275	97.6	27	2710	400.00
620504	65	275	97.6	27	2580	517.70
620505	70	335	117	35	4685	590.16
620506	75	335	117	35	4570	620.82
620507	80	350	124	35	4305	851.31
620508	85	358	130	39	4220	1037.70
620509	90	395	144	41	5335	1255.08
620510	95	395	144	39	5090	1401.48
620511	100	420	155	43	6800	1530.33
620512	105	420	155	42	5930	2824.59

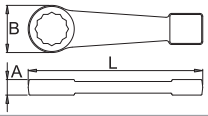


7184

Chei inelare de soc DIN 7444

- *material: otel carbon de scule*
- *forjata, calire si revenire totala*
- *acoperire: brunare*
- *in concordanta cu standardul DIN 7444*





KRONUS Professional Quality

		L	B	A		
700659	24	180	48.6	16	534	44.76
700660	27	180	48.6	16	514	47.12
700661	30	180	48.6	16	488	54.19
700662	32	190	58.4	18	739	59.37
700663	36	190	58.4	18	694	71.62
700664	41	235	74	22	1425	90.71
700665	46	235	74	22	1360	110.97
700666	50	235	74	22	1335	135.22
700667	55	275	97.6	27	2800	178.84
700668	60	275	97.6	27	2710	211.35
900501	65	275	97.6	27	2580	285.64
900502	70	330	108	33	4685	393.27
902277	75	335	117	35	4570	493.18
902278	80	350	124	35	4305	628.92



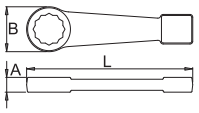
270SG

Chei inelare de soc DIN 7444

- *material: otel carbon de scule*
- *forjata, calire si revenire totala*
- *acoperire: brunare*
- *in concordanta cu standardul DIN 7444*



WGB THE WERKZEUG



		L		
2711007	110	450	7750	4479.02
2711507	115	447	7450	4888.03
2712007	120	475	12150	5262.30
2712507	125	480	9550	10049.51
2713507	135	520	12100	11422.79
2714007	140	520	12250	13298.85
2714507	145	580	18100	18595.29
2715007	150	580	18200	19845.31



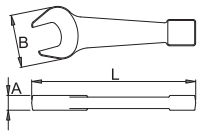


118/7

Chei fixe de soc DIN 133

- *material: otel carbon de scule*
- *forjata, calire si revenire totala*
- *acoperire: uleiere anticoroziva*
- *in concordanta cu standardul DIN 133*





UNIOR Premium

		L	B1	B2		
620466	24	170	56	15	489	96.56
620467	27	170	56	15	477	96.56
620468	30	200	70	18	863	126.56
620469	32	200	70	18	863	133.44
620470	36	200	70	18	834	173.28
620471	41	240	88	20	1490	212.30
620472	46	240	88	20	1450	289.67
620473	50	265	102	20	1790	326.89
620474	55	305	112	24	2700	381.31
620475	60	305	112	24	2615	424.92
620476	65	335	123	27	3645	545.25
620477	70	370	143	30	2200	667.38
620478	75	370	143	30	4865	731.64
620479	80	400	175	33	6450	891.97
620480	85	400	175	33	5775	993.28
620481	90	450	192	38	7620	1312.46
620482	95	450	192	38	9400	1448.85

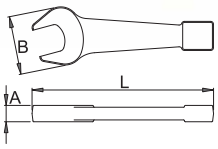


7118

Chei fixe de soc DIN 133

- *material: otel carbon de scule*
- *forjata, calire si revenire totala*
- *acoperire: brunare*
- *in concordanta cu standardul DIN 133*





KRONUS Professional Quality

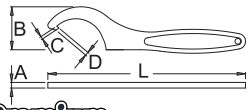
		L	B	A		
700264	24	170	56	15	489	45.47
700265	27	170	56	15	477	56.54
700266	30	200	70	18	863	65.97
700267	32	200	70	18	863	69.51
700268	36	200	70	18	834	85.04
700269	41	240	88	20	1490	109.55
700270	46	240	88	20	1450	143.24
700271	50	265	102	20	1790	169.53
700272	55	305	112	24	2700	206.68
700273	60	305	112	24	2615	215.97
900605	65	335	123	27	3645	355.10
900606	70	370	143	30	3200	465.88
902279	80	400	175	33	6450	542.95
902535	85	400	175	33	5780	633.44

255/2

Chei cu gheara DIN 1810 tip A

- *material: crom vanadiu*
- *capul cheii este tratat in intregime*
- *acoperire cromare conform EN12540*
- *conform cu standardul DIN 1810 tip A*





UNIOR Premium

		L	C	D	A	B		
613053	30 - 32	136	2	2.5	4	21	55	29.18
613054	34 - 36	171	2.5	3	5	28.5	114	39.02
613055	40 - 42	171	2.5	3	5	28.5	111	39.02
613056	45 - 50	207	3	3.5	6	37	206	47.54
613057	52 - 55	207	3	3.5	6	37	209	47.54
613058	58 - 62	242	3.5	4	7	46	320	62.62
613059	68 - 75	242	3.5	4	7	46	303	62.62
613060	80 - 90	281	4	5	8	61	472	84.75
613061	95 - 100	281	4	5	8	61	436	84.75
613062	110 - 115	334	4	5	10	81	805	141.15
613063	120 - 130	334	4	5	10	81	829	141.15



681 B

Chei cu gheara, varianta cu stift DIN 1810 tip B

- *conform DIN 1810 B*
- *acoperire: brunare*
- *pentru caneluri cu gauri radiale DIN 1816*



WGB THE WERKZEUG

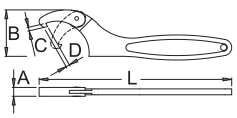
		L	pin		
9207921	12 - 14	110	2	23	63.96
9202231	16 - 18	110	2.5	22	35.82
9202241	20 - 22	110	2.5	21	35.82
9202251	25 - 28	136	3	45	47.95
9202261	30 - 32	136	4	45	47.95
9202271	34 - 36	170	4	88	71.64
9202281	40 - 42	170	4	88	72.20
9202291	45 - 50	205	5	154	102.44
9202301	52 - 55	205	5	156	102.44
9202311	58 - 62	240	5	251	160.47
9202321	68 - 75	240	6	251	167.86
9202331	80 - 90	280	6	400	249.15
9202341	95 - 100	280	8	410	249.15
9202351	110 - 115	335	8	566	352.54
9202361	120 - 130	335	8	578	352.54
9202371	135 - 145	380	8	1000	525.15
9202381	155 - 165	380	8	1000	551.32
9202391	180 - 195	470	10	1580	845.50
9202401	205 - 220	470	10	1580	845.50

255/2F

Chei cu gheara flexibila

- *material: crom vanadiu*
- *capul cheii este tratat in intregime*
- *acoperire cromare conform EN12540*





UNIOR Premium

		L	B2	B1	A2	A1		
615027	15 - 35	140	2,5	2.5	7	25	83	85.08
615028	35 - 50	201	4	4	10	41.5	196	114.59
615029	50 - 80	262	5	5	12	68	455	160.33
615030	80 - 120	320	5.5	5.5	14	86	829	230.49
615031	120 - 180	418	7.5	9	16	134	1768	328.20



516 B

Cheie cu gheara flexibila, varianta cu stift

- *conform DIN 1810 B*
- *acoperire: brunare*
- *pentru caneluri cu gauri radiale DIN 1816*



WGB THE WERKZEUG

		L	pin		
9222851	22 - 35	151	2.9	97	**280.57**
9222861	35 - 60	175	4	97	**297.63**
9222871	60 - 90	250	5.5	267	**358.84**
9222881	95 - 155	290	6	446	**520.79**
9227721	165 - 230	390	9.5	1200	**835.56**





255/2CT

Set de chei cu gheara in husa



UNIOR Premium

9	3116	**721.48**

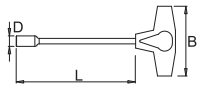
255/2 (30-32, 40-42, 45-50, 52-55, 58-62, 68-75, 80-90, 95-100, 110-115)

193N

Chei cu maner de plastic in T

- *material:tija-crom vanadiu tratata complet*
- *maner-polipropilena*
- *placat cu invelis de crom conform EN 12540*





UNIOR Premium

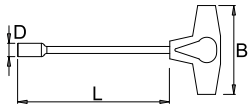
		D	L	B		
608283	5.5	8.8	230	88	106	**55.74**
608284	6	9	230	88	107	**55.74**
608285	7	11	230	88	112	**57.70**
608286	8	12	230	88	135	**58.36**
608287	9	13	230	88	160	**59.51**
608288	10	14	230	88	161	**61.64**
608289	11	16	230	88	169	**77.38**
608290	12	17.5	230	88	196	**79.18**
608291	13	18	230	88	199	**80.49**
608292	14	20	230	88	208	**83.28**
608293	15	22	230	88	212	**88.69**
608295	17	23	230	88	223	**92.62**

193NTX

Cheie tubulara cu profil TX interior si maner in T

- *material:tija-crom vanadiu tratata complet*
- *maner-polipropilena*
- *placat cu invelis de crom conform EN 12540*





UNIOR Premium

		D	L	B		
621376	E 10	12	231	89	157	**185.08**

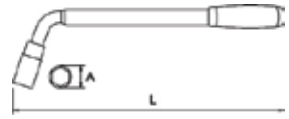
61476

NOU

Cheie roti extensibila 17-19 mm

- *DIN 3112*





EGA Master ART IN INNOVATION

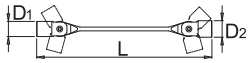
61476	17-19	550	28	800	**407.42**

202/1

Chei tubulare dublu articulate

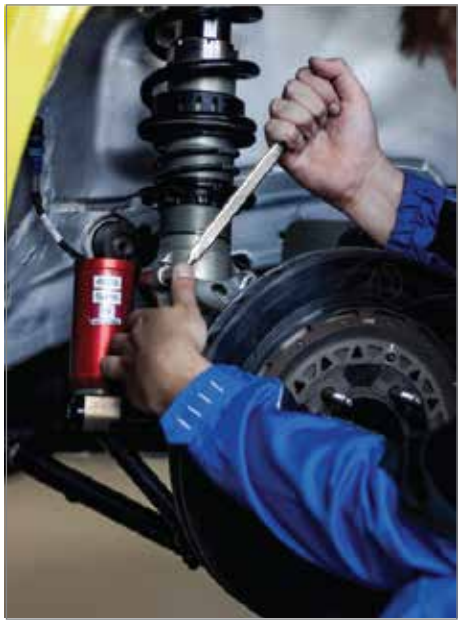
- *material: crom vanadiu*
- *acoperire cromare conform EN12540*
- *forjata, calire si revenire totala*





UNIOR Premium

		L	D1	D2		
609132	8 x 9	198	12	13	96	**70.49**
609133	8 x 10	200.5	12	14.6	82	**75.25**
609134	10 x 11	214	14.6	16	95	**78.20**
609135	12 x 13	227	17	18	148	**83.28**
609136	13 x 17	242	18	23	213	**91.15**
609137	14 x 15	241	19.5	20.5	211	**91.15**
609138	16 x 17	255	22	24	295	**96.56**
609139	18 x 19	273	24.5	26	391	**112.46**
609141	20 x 22	295	27.5	30	518	**131.97**



202/1CT

Set de chei tubulare dublu articulate in husa



UNIOR Premium

615472	8 - 22 / 8	2122	**893.11**

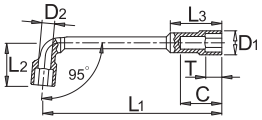
202/1 (8 x 9, 10 x 11, 12 x 13, 13 x 17, 14 x 15, 16 x 17, 18 x 19, 20 x 22), **CT129** (470 x 330)

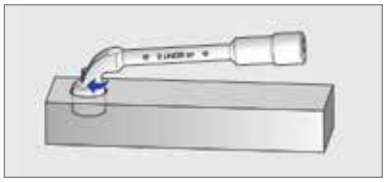
176

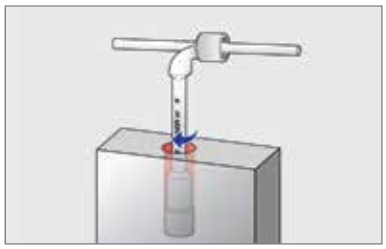
Chei tubulare pipa cu 6 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*









Datorita profilului adanc, cheia se foloseste si pentru chei tubulare si tije filetate.

UNIOR Premium

		L1	L2	C	D1	T	L3	D2		
609102	6	104,5	22	22	11	7	29	5	44	68.85
609103	7	108	25	23	12	8	30,5	5	47	68.85
609104	8	113	26	27	13	10	30	6,5	76	71.48
609105	9	118	27	29	14,5	10	33	7	78	73.28
609106	10	123	31	32	16	11	35	7,5	123	78.85
609107	11	128,5	32	31	17	12	37	7,5	125	84.43
609108	12	135	33	34	18	12	40	8,5	161	90.33
609109	13	143	36,5	40	19	14	47	9	186	92.46
609110	14	149,5	40	41	21	14	48	10,5	226	113.44
609111	15	163	41,5	43	22,5	15	50	11	236	113.44
609112	16	173	46,5	47	24	17	54	13	340	113.44
609113	17	184,5	46,5	49	25	18	56	13	360	132.95
609114	18	198	49	51,5	26,5	19,5	58	13	411	132.95
609115	19	204	52	52,5	28	20,5	62	14	445	135.25
609116	20	207	53,5	54,5	30	21,5	63	14	495	174.10
609117	21	216	57	57,5	30,5	23,5	65	15	487	174.10
609118	22	231	57	58	32	23,5	67	16	590	214.92
609119	23	238	62	64,5	33,5	24,5	74	18	640	214.92
609120	24	249	64,5	68,5	34	25,5	77	18	713	234.75
609121	25	260	67	69,5	36	25,5	79	19,5	703	240.82
609122	26	270,5	68	70	36	27	81	22	876	280.33
609123	27	280	68	71	37	25,5	80	20	867	293.28
609124	28	290,5	70	73,5	38,5	27,5	84	21	1045	306.56
609125	29	298,5	72	78,5	41	28,5	90	22	1140	325.74
609126	30	311	75	80,5	42	28,5	93	23	1257	340.00
609127	32	330,5	79	82,5	45	28,5	95	24	1434	383.61
609128	35	340	90	97,5	48	35,5	108	25	2200	465.25
609129	36	376	80	86	50	30	100	25	2235	478.20

176CB

Trusa de chei tubulare pipa material plin in cutie de carton



UNIOR Premium

609130	8 - 24 / 16	5230	2070.82
176 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24)			
609131	8 - 32 / 22	11800	4000.16
176 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 28, 29, 30, 32)			

176CS6

Set de chei pipa in cutie de carton



UNIOR Premium

620581	8 - 19 / 6	1365	595.25
176 (8, 10, 11, 13, 17, 19)			

176CS11

Set de chei pipa in cutie de carton



UNIOR Premium

620582	8 - 24 / 11	3650	1381.64
176 (8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24)			

177CB

Trusa de chei tubulare pipa material plin in cutie de carton



UNIOR Premium

609100	8 - 24 / 16	5230	2070.82
177 (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24)			

177CS6

Set de chei pipa in cutie de carton



UNIOR Premium

620583	8 - 19 / 6	1365	595.25
177 (8, 10, 11, 13, 17, 19)			

177CS11

Set de chei pipa in cutie de carton



UNIOR Premium

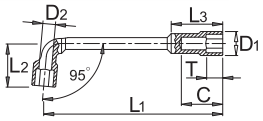
620584	8 - 24 / 11	3650	1381.64
177 (8, 10, 11, 12, 13, 16, 17, 18, 19, 22, 24)			

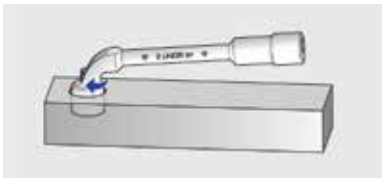
177

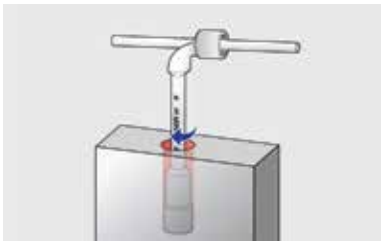
Cheie tubulara pipa cu 12 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*









Datorita profilului adanc, cheia se foloseste si pentru chei tubulare si tije filetate.

UNIOR Premium

		L1	L2	C	D1	T	L3	D2		
609083	8	113	26	27	13	10	30	6,5	76	**71.48**
609084	9	118	27	29	14,5	10	33	7	78	**73.28**
609085	10	123	31	32	16	11	35	7,5	123	**78.85**
609086	11	128,5	32	31	17	12	37	7,5	125	**84.43**
609087	12	135	33	34	18	12	40	8,5	161	**90.33**
609088	13	143	36,5	40	19	11	47	9	186	**92.46**
609089	14	149,5	40	41	21	14	48	10,5	226	**113.44**
609090	15	163	41,5	43	22,5	15	50	11	236	**113.44**
609091	16	173	46,5	47	24	17	54	13	340	**113.44**
609092	17	184,5	46,5	49	25	18	56	13	360	**132.95**
609093	18	198	49	51,5	26.5	19,5	58	13	411	**132.95**
609094	19	204	52	52,5	28	20,5	62	14	445	**135.25**
609095	20	207	53,5	54,5	30	21,5	63	14	495	**174.10**
609096	21	216	57	57,7	30,5	23,5	65	15	487	**174.10**
609097	22	231	57	58	32	23,5	67	16	590	**214.92**
609098	23	238	62	64,5	33,5	24,5	74	18	640	**214.92**
609099	24	249	64,5	68,5	34.5	25,5	77	18	713	**234.75**

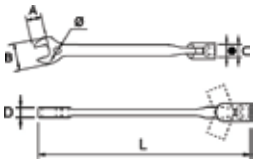
NOU

Cheie combinata cu articulatie

- *cheile combinate flexibile EGA Master sunt proiectate pentru strangerea si slabirea piulitelor si suruburilor in zonele greu accesibile*
- *fabricate din otel special*
- *orificiu de trecere la capatul capului fix pentru a introduce o bara cu trepte*
- *un capat cu cap articulat*
- *un capat cu cap fix.*
- *cu o duritate >39-45 HRc*







EGA Master ART IN INNOVATION

		L	A	B	C	D	Ø		
56190	10	180	12	25	15	5,5	6	95	**155.79**
56191	11	190	14	27	17	6	6	115	**159.80**
56192	12	215	15	31	18	6,5	6	145	**165.30**
56193	13	215	15	31	19	6,5	6	150	**178.91**
56194	14	220	16	32	20	8	6	185	**187.91**
56195	15	220	17	32	24	8	6	185	**189.32**
56196	17	235	19	38	24	8	7	230	**207.61**
56197	19	250	20	41	26	9	7	320	**233.72**

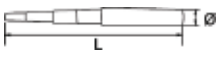
NOU

Tija de antrenare chei combinate articulate

- *material: otel carbon de scule*
- *capul cheii este tratat in intregime*
- *acoperire cromare conform EN12540*



EGA Master ART IN INNOVATION



	L	Ø		
61794	180	2,5-4,5-5,5-6	30	**69.53**
61795	280	6,5-7,5-9,5-11,5-12,5-13	200	**94.36**

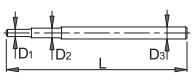
215.1/2

Tija de antrenare chei tubulare teava

- *material: otel carbon de scule*
- *capul cheii este tratat in intregime*
- *acoperire cromare conform EN12540*



UNIOR



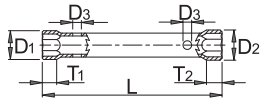
		L	D1	D2	D3		
600745	6 - 17	230	6	8	10	137	**18.52**
600747	18 - 32	330	12	14	16	493	**53.28**
624342	36 - 55	500		18	20	1202	**89.18**

215/2

Cheie tubulara teava DIN 896

- *material: crom molibden*
- *capul cheii este tratat in intregime*
- *acoperire cromare conform EN12540*
- *in conformitate cu standardul DIN 896*





UNIOR Premium

		L	D1	D2	D3	T1	T2		
600696	6 x 7	105	10	11.2	6.3	8	8	28	**25.74**
600697	8 x 9	105	12.7	14	6.3	9	9	39	**28.36**
600698	8 x 10	120	12.8	15	6.3	8	8	64	**29.51**
600699	10 x 11	120	15.5	16.7	6.3	10	10	64	**33.11**
600700	12 x 13	140	18.2	19.5	8.5	12	12	104	**35.74**
600717	13 x 17	150	20	24.6	10.5	13	13	144	**41.80**
600701	14 x 15	140	21.2	22.3	8.5	14	14	134	**38.85**
600702	16 x 17	150	23.5	24.6	10.5	15	15	158	**41.80**
600719	17 x 19	160	24.6	27	12.5	16	16	183	**50.00**
600703	18 x 19	155	25.8	27	12.5	16	16	184	**50.00**
605044	19 x 22	170	27	31.4	12.5	18	18	266	**56.56**
600705	20 x 22	165	29	31.4	12.5	18	18	269	**56.56**
607962	22 x 24	160	31.4	33.7	14.5	20	20	299	**68.52**
600707	24 x 26	185	33.7	36	14.5	22	22	356	**68.52**
600723	24 x 27	190	33.7	37.2	14.5	22	22	374	**68.52**
602557	30 x 32	200	41.6	44	16.5	27	27	585	**95.08**
603128	30 x 36	215	42.6	49.6	18.5	28	28	730	**117.54**
618575	41 x 46	235	52	57	22	34	34	1555	**258.20**



215/2CB

Trusa de chei tubulare in cutie de carton



UNIOR Premium

600710	6 - 32 / 14	3241	**695.25**

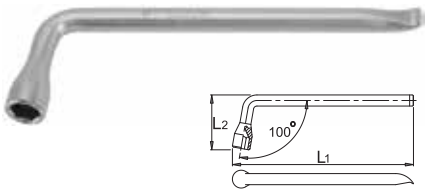
215/2 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32),

215.1/2 (6 - 17, 18 - 41)

210/2

Cheie pentru roti

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*



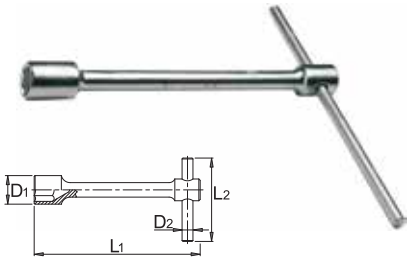
UNIOR Premium

		L1	L2		
600782	17	255	27	476	80.82
600783	19	285	29.5	541	93.11

212/2

Chei in T pentru roti

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *in concordanta cu ISO DIN 3112*



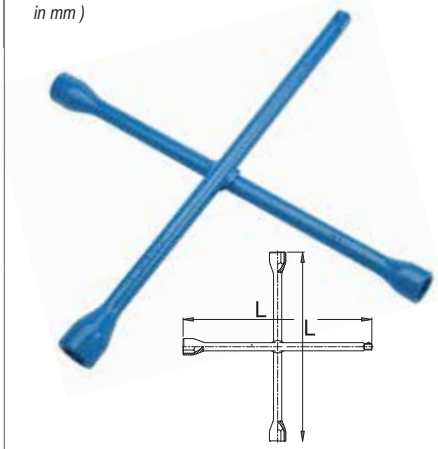
UNIOR Premium

		L1	D1	L2	D2		
600788	24	315	33	400	14	1280	194.75
600790	30	425	42.5	400	20	2450	234.26
600791	32	430	48	400	20	2815	277.21

213/6

Cheie cruce pentru roti

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *vopsite*
- *in conformitate cu standardul ISO 6788 (numai dimensiuni in mm)*



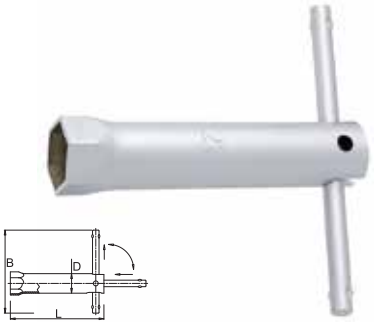
UNIOR Premium

600811	17	19	22	1/2"	370	1430	238.52
600809	17	19	21	23	370	1511	212.46
600812	17	19	22	24	370	1500	212.46
600813	24	27	30	3/4"	700	4400	481.97
600814	24	27	30	32	700	4600	481.97

185/2

Cheie de bujii

- *material:otel carbon de scule*
- *acoperire cromare conform EN12540*



UNIOR Premium

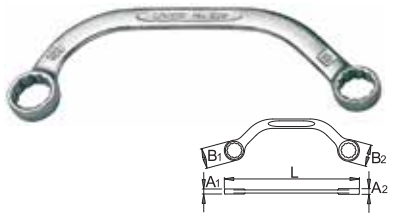
		D	L	B		
600771	16	19	145	120	182	34.26
607956	19	22	115	120	199	35.74
600772	21	24	115	120	177	35.74



200/2

Chei inelare semiluna

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*



UNIOR Premium

		L	B1	B2	A1	A2		
600671	11 x 13	150	16.5	19	7	8.5	54	54.43
600672	13 x 17	185	19.2	24.2	8.7	10.3	99	61.31
600673	14 x 17	185	20.5	24.2	8.7	10.3	104	61.31
600674	15 x 16	185	21.6	23.6	8.7	10.3	104	61.31
600676	19 x 22	230	27.2	31.8	10	11.5	178	78.69





200/2CB

Set de chei inelare semiluna in cutie de carton



UNIOR Premium

600677	11 - 22 / 5	605	317.21

200/2 (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22)

175/2

Cheie schimbat ulei la cutia de viteze

- *material: crom vanadiu*
- *capul cheii este tratat in intregime*
- *acoperire cromare conform EN12540*



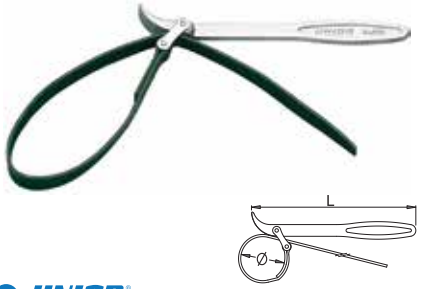
UNIOR Premium

		L1	L2	D		
605112	8 x 10	203	169	10	305	47.21

205/2

Cheie filtru de ulei

- *material:crom vanadiu*
- *banda din invelis de cauciuc*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*



UNIOR

	L	Ø↓	Ø↑		
601024	220	60	140	225	95.08

205.1

Curea pentru art. 205/2

- *banda din invelis de cauciuc*



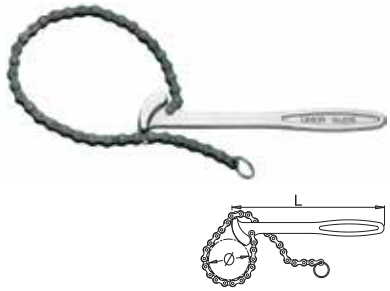
UNIOR

602841	62	61.48

206/2

Cheie cu lant

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*



UNIOR Premium

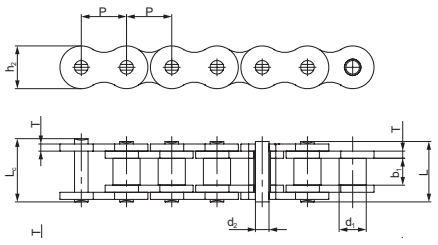
	L	Ø↓	Ø↑		
601025	220	60	140	330	183.44

206.1

Lant pentru art. 206



P = 12,7 mm (½") (pasul lantului)
h2 = 9,5 mm (latimea eclisei)
L = 9,5 $^{-0,1}$ (latilmea lantului)
T = t = 1,0 mm (grosimea ecliselor)
d2 = 3,6 mm (diametrul boltului)
d1 = 7,7 mm (diametrul rolei)
b1 = 3,2 mm (lungimea rolei)



UNIOR

	L		
620938	500	150	35.90

Lollipop

Cheia multifunctionala cu curea 6-100 mm Lollipop

- *fara urme sau zgarieturi*
- *pentru utilizare in casa, garaj, atelier, fabrica, industrie si altele*
- *produs aprobat de NATO*
- *cheia multifunctionala Boa este utilizabila pentru cele mai vaste zone industriale din lume*
- *utilizare: aerospatial, NATO, optica, automobilistica, irigatii, agricultura, marina, hobby, constructii, industria petro-chimica etc.*
- *oferind o forta uimitoare si o parghie exceptionala, Boa Constrictor va prinde, rasuci, strange si desuruba orice forma sau material fara a zgaria*

Lollipop







boa



	L (mm)	L (inch)		
10001	6 - 100	1/4" - 4"	-	20.46



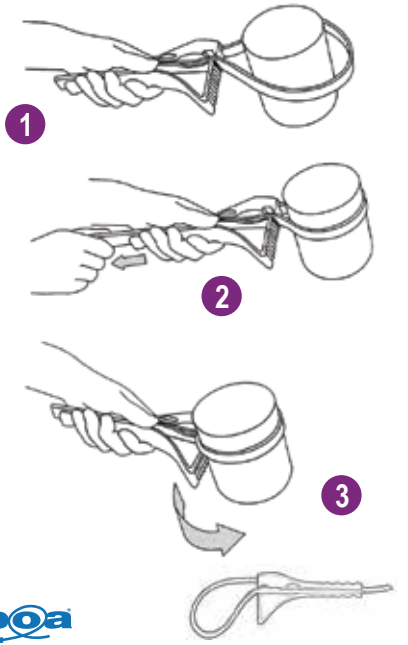


11022/21/ENB

Cheia multifunctionala cu curea 6-100 mm Baby Boa cu maner polipropilena cauciucat

- *fara urme sau zgarieturi*
- *pentru utilizare in casa, garaj, atelier, fabrica, industrie si altele*
- *produs aprobat de NATO*
- *cheia multifunctionala Boa este utilizabila pentru cele mai vaste zone industriale din lume*
- *utilizare: aerospatial, NATO, optica, automobilistica, irigatii, agricultura, marina, hobby, constructii, industria petro-chimica etc.*
- *oferind o forta uimitoare si o parghie exceptionala, Boa Constrictor va prinde, rasuci, strange si desuruba orice forma sau material fara a zgaria*





boa

	L (mm)	L (inch)		
11022/21/ENB	6 - 100	1/4" - 4"	-	36.40



14012/07

Set chei multifunctionale cu curea 6-100 mm Lollipop + Baby Boa

- *fara urme sau zgarieturi*
- *pentru utilizare in casa, garaj, atelier, fabrica, industrie si altele*
- *produs aprobat de NATO*
- *cheia multifunctionala Boa este utilizabila pentru cele mai vaste zone industriale din lume*
- *utilizare: aerospatial, NATO, optica, automobilistica, irigatii, agricultura, marina, hobby, constructii, industria petro-chimica etc.*
- *oferind o forta uimitoare si o parghie exceptionala, Boa Constrictor va prinde, rasuci, strange si desuruba orice forma sau material fara a zgaria*



14012/07	2	-	**49.98**

10001 (6-100 mm), **11021/21/ENB** (6-100 mm)

11021/21/ENB

Cheia multifunctionala cu curea 6-100 mm Baby Boa cu maner polipropilena

- *fara urme sau zgarieturi*
- *pentru utilizare in casa, garaj, atelier, fabrica, industrie si altele*
- *produs aprobat de NATO*
- *cheia multifunctionala Boa este utilizabila pentru cele mai vaste zone industriale din lume*
- *utilizare: aerospatial, NATO, optica, automobilistica, irigatii, agricultura, marina, hobby, constructii, industria petro-chimica etc.*
- *oferind o forta uimitoare si o parghie exceptionala, Boa Constrictor va prinde, rasuci, strange si desuruba orice forma sau material fara a zgaria*



	L (mm)	L (inch)		
11021/21/ENB	6 - 100	1/4" - 4"	-	**32.46**



12002/07/ENB

Cheia multifunctionala cu curea 10-160 mm Boa Constrictor cu maner polipropilena cauciucat

- *fara urme sau zgarieturi*
- *pentru utilizare in casa, garaj, atelier, fabrica, industrie si altele*
- *produs aprobat de NATO*
- *cheia multifunctionala Boa este utilizabila pentru cele mai vaste zone industriale din lume*
- *utilizare: aerospatial, NATO, optica, automobilistica, irigatii, agricultura, marina, hobby, constructii, industria petro-chimica etc.*
- *oferind o forta uimitoare si o parghie exceptionala, Boa Constrictor va prinde, rasuci, strange si desuruba orice forma sau material fara a zgaria*



	L (mm)	L (inch)		
12002/07/ENB	10 - 160	3/8" - 6.3/4"	-	**79.48**



12001

Cheia multifunctionala cu curea 10-160 mm Boa Constrictor cu maner polipropilena

- *fara urme sau zgarieturi*
- *pentru utilizare in casa, garaj, atelier, fabrica, industrie si altele*
- *produs aprobat de NATO*
- *cheia multifunctionala Boa este utilizabila pentru cele mai vaste zone industriale din lume*
- *utilizare: aerospatial, NATO, optica, automobilistica, irigatii, agricultura, marina, hobby, constructii, industria petro-chimica etc.*
- *oferind o forta uimitoare si o parghie exceptionala, Boa Constrictor va prinde, rasuci, strange si desuruba orice forma sau material fara a zgaria*



	L (mm)	L (inch)		
12001	10 - 160	3/8" - 6.3/4"	-	**61.97**



14011/ENB

Set chei multifunctionale cu curea Boa Constrictor + Baby Boa

- *fara urme sau zgarieturi*
- *pentru utilizare in casa, garaj, atelier, fabrica, industrie si altele*
- *produs aprobat de NATO*
- *cheia multifunctionala Boa este utilizabila pentru cele mai vaste zone industriale din lume*
- *utilizare: aerospatial, NATO, optica, automobilistica, irigatii, agricultura, marina, hobby, constructii, industria petro-chimica etc.*
- *oferind o forta uimitoare si o parghie exceptionala, Boa Constrictor va prinde, rasuci, strange si desuruba orice forma sau material fara a zgaria*



14011/ENB	2	-	**95.41**

11022/21/ENB (6-100 mm), **12002/07/ENB (** (10-160 mm)





13010/07

Cheia multifunctionala cu curea 10-285 mm Boa Constrictor cu maner din aluminiu cauciucat

- *fara urme sau zgarieturi*
- *pentru utilizare in casa, garaj, atelier, fabrica, industrie si altele*
- *produs aprobat de NATO*
- *cheia multifunctionala Boa este utilizabila pentru cele mai vaste zone industriale din lume*
- *utilizare: aerospatial, NATO, optica, automobilistica, irigatii, agricultura, marina, hobby, constructii, industria petro-chimica etc.*
- *oferind o forta uimitoare si o parghie exceptionala, Boa Constrictor va prinde, rasuci, strange si desuruba orice forma sau material fara a zgaria*



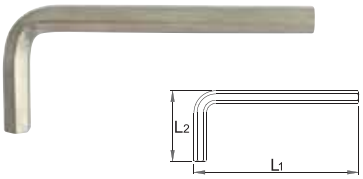
	L (mm)	L (inch)		
13010/07	10 - 285	3/8" - 10.3/4"	-	**128.86**



220/3

Chei pentru locas hexagonal

- *material:crom vanadiu*
- *tratate*
- *acoperire prin nichelare*
- *conform cu standardul ISO 2936 (doar pentru dimensiunile in mm)*



UNIOR Premium

		L1	L2		
607823	1.5	46.5	15.5	2.8	0.82
607824	2	52	18	1.72	0.82
607825	2.5	58.5	20.5	3	0.82
601036	3	66	23	5	1.48
601037	4	74	29	9.85	1.80
601038	5	85	33	18	3.11
601040	6	96	38	35	4.92
601041	7	102	41	47	7.21
601042	8	108	44	65	8.69
601044	10	122	50	108	15.08
601045	12	137	57	163	19.67
601046	14	154	70	258	32.62
601047	17	177	80	433	60.98
601048	19	199	89	603	92.95
616967	3/64"	41	13	5	0.82
616966	1/20"	41	13	5	0.66
611905	1/16"	47	16	5	0.98



Nu utilizati niciodata o prelungire sau alta forma de parghie pentru a creste efectul de parghie al vreunei chei.



Nu inclinati niciodata o cheie hexagonala. Piulita trebuie sa fie asezata complet.



Nu folositi niciodata un ciocan la cheile hexagonale



Nu expuneti niciodata nicio cheie la caldura excesiva, care poate modifica duritatea si structura metalica si poate deteriora unealta



Cheile nu trebuie polizate pentru a-si schimba forma.

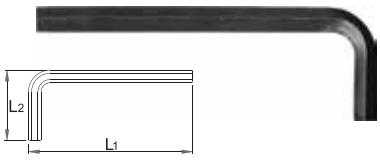


Alegeti o cheie a carei deschidere se potriveste exact.

Hex-L®

Cheie locas hexagonal, scurta

- *unelte profesionale de inalta calitate industriala*
- *fabricate din otel aliat Eklind®*
- *tratate termic pentru rezistenta si ductilitate optime*
- *finisare cu Eklind® Black Finish pentru a rezista la rugina*



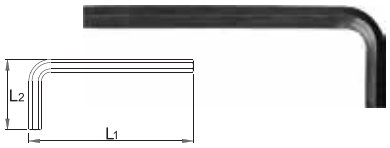
Eklind

		L1	L2		
15500	0,7	31	6	1.2	1.31
15501	0,9	31	9	0.8	1.31
15502	1,3	41	13	2	1.15
15503	1,5	44	13	2	1.15
15504	2,0	49	15	3.6	1.15
15505	2,5	55	18	6.4	1.15
15506	3,0	62	19	10.4	1.15
15508	4,0	68	24	21.6	1.48
15510	5,0	78	27	39.2	2.30
15512	6,0	88	31	63	3.44
15514	7,0	93	35	90	5.41
15516	8,0	98	35	126	5.08
15518	9,0	103	39	168	7.87
15520	10,0	109	39	220	8.20
15524	12,0	122	44	370	15.90
15528	14,0	136	55	590	28.20
15534	17,0	156	61	980	37.87
15538	19,0	176	69	1360	58.20
15544	22,0	210	69	2060	83.77
15548	24,0	235	67	2740	126.72
15551	27,0	244	98	3850	330.82
15556	32,0	308	122	6480	397.05
15560	36,0	346	136	9550	496.39
15101	0.028"	31	6	0.4	1.31
15102	0.035"	31	9	1.6	1.31
15103	0.05"	42	13	2	1.15
15104	1/16"	44	14	3.2	1.15
15105	5/64"	48	15	3.6	1.15
15106	3/32"	51	17	5.6	1.15
15107	7/64"	54	18	8	1.31
15108	1/8"	57	19	11.2	1.31
15109	9/64"	60	20	14.8	1.31
15110	5/32"	64	21	19.6	1.31
15112	3/16"	70	24	31.2	1.80
15114	7/32"	76	26	47	2.79
15116	1/4"	83	28	67	3.44
15120	5/16"	95	32	120	5.41
15124	3/8"	108	35	194	7.87
15128	7/16"	121	38	310	16.23
15132	1/2"	133	41	430	18.69
15136	9/16"	146	44	600	27.87
15140	5/8"	159	48	824	36.23
15148	3/4"	184	54	1350	58.20
15156	7/8"	210	60	2050	86.89
15164	1"	235	67	2970	126.72
15166	1 1/8"	260	70	4350	390.33
15168	1 1/4"	308	122	6750	412.13
15172	1 1/2"	337	89	10600	515.08
15176	1 3/4"	387	102	14920	892.30
15180	2"	438	114	21700	1475.90

Hex-L® tamper resistant

Cheie locas hexagonal scurta cu gaura

- *unelte profesionale de inalta calitate industriala*
- *fabricate din otel aliat Eklind®*
- *tratate termic pentru rezistenta si ductilitate optime*
- *finisare cu Eklind® Black Finish pentru a rezista la rugina*

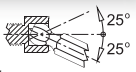


Eklind

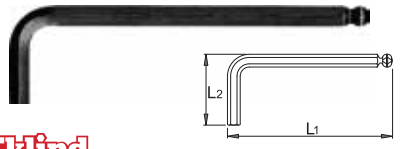
		L1	L2		
90206	3/32"	133	25	16	23.93
90208	1/8"	133	25	24	23.28
90210	5/32"	133	30	40	24.59
90212	3/16"	133	30	56	24.75
90214	7/32"	133	30	76	25.74
90216	1/4"	133	35	102	25.57
90220	5/16"	133	35	160	29.51
90224	3/8"	133	35	230	32.79

Ball-Hex™

Cheie locas hexagonal cu cap sferic



- *unelte profesionale de inalta calitate industriala*
- *fabricate din otel aliat Eklind®*
- *tratate termic pentru rezistenta si ductilitate optime*
- *finisare cu Eklind® Black Finish pentru a rezista la rugina*



Eklind

		L1	L2		
18602	1,3	72,1	13,5	60 NOU	5.95
18603	1,5	77,0	13,5	30 NOU	5.95
18604	2	81,0	15,5	60 NOU	5.95
18605	2,5	88,6	17,5	100 NOU	5.95
18606	3	98,6	19,1	150 NOU	6.13
18608	4	103,9	23,9	300 NOU	7.75
18609	4,5	110,2	25,4	200	8.66
18610	5	116,1	26,9	520 NOU	9.02
18612	6	137,9	31,0	890 NOU	11.36
18616	8	157,5	35,1	910 NOU	19.84
18620	10	167,4	39,1	1510 NOU	28.31
18624	12	209,0	43,9	2760	65.08
18628	14	232,4	54,6	4190	92.95
18634	17	246,1	61,5	1330	129.67
18638	19	275,6	68,6	1860	186.56



Hex-L®

Cheie pentru locas hexagonal lunga

- *unelte profesionale de inalta calitate industriala*
- *fabricate din otel aliat Eklind®*
- *tratate termic pentru rezistenta si ductilitate optime*
- *finisare cu Eklind® Black Finish pentru a rezista la rugina*



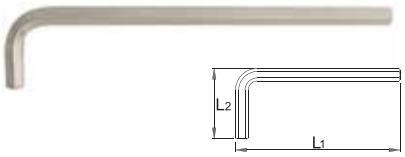
Eklind®

		L1	L2		
15600	0,7	66	6	0.4	**2.79**
15601	0,9	68	9	0.4	**2.62**
15602	1,3	72	13	2.4	**0.98**
15603	1,5	77	13	2.8	**1.48**
15604	2,0	81	15	5.6	**1.48**
15605	2,5	88	18	9.6	**1.31**
15606	3,0	99	19	15.2	**1.31**
15607	3,5	101	21	26	**2.62**
15608	4,0	104	24	30	**2.62**
15609	4,5	110	25	40	**2.62**
15610	5,0	116	27	53.2	**2.62**
15611	5,5	127	29	76	**5.25**
15612	6,0	138	31	90	**5.25**
15614	7,0	157	35	124	**8.52**
15616	8,0	157	35	184	**8.52**
15618	9,0	167	39	236	**12.62**
15620	10,0	167	39	306	**13.11**
15622	11,0	191	38	430	**24.75**
15624	12,0	209	44	560	**23.93**
15628	14,0	232	55	860	**36.56**
15634	17,0	246	61	1360	**59.34**
15638	19,0	276	69	1900	**83.44**
15644	22,0	356	69	3000	**125.41**
15648	24,0	362	67	3850	**168.03**
15651	27,0	413	98	5120	**430.00**
15656	32,0	503	122	8420	**992.30**
15660	36,0	514	136	13450	**1256.72**
15201	0.028"	66	6	0.4	**2.95**
15202	0.035"	68	9	0.8	**2.62**
15203	0.05"	72	13	2	**1.31**
15204	1/16"	76	14	3.2	**1.31**
15205	5/64"	81	15	5.6	**1.48**
15206	3/32"	86	17	9.6	**1.48**
15207	7/64"	90	18	12.4	**1.80**
15208	1/8"	95	19	16.8	**2.13**
15209	9/64"	100	20	22.4	**2.13**
15210	5/32"	105	21	28.8	**2.30**
15212	3/16"	114	24	46	**2.62**
15214	7/32"	124	26	68	**3.93**
15216	1/4"	133	28	97	**5.41**
15220	5/16"	152	32	174	**8.20**
15224	3/8"	171	35	280	**12.79**
15228	7/16"	191	38	440	**24.43**
15232	1/2"	210	41	620	**27.87**
15236	9/16"	229	44	860	**37.87**
15240	5/8"	248	48	1140	**59.02**
15248	3/4"	286	54	1870	**86.56**
15256	7/8"	324	60	2850	**125.41**
15264	1"	362	67	4110	**168.03**
15266	1 1/8"	400	70	7450	**878.52**
15268	1 1/4"	503	122	8420	**892.30**
15272	1 1/2"	514	89	14300	**1578.52**
15276	1 3/4"	591	102	22200	**2182.62**
15280	2"	670	114	30000	**3571.80**

220/3L

Cheie pentru locas hexagonal lunga

- *material:crom vanadiu*
- *tratate*
- *acoperire prin nichelare*
- *conform cu standardul ISO 2936 (doar pentru dimensiunile in mm)*



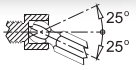
UNIOR Premium

		L1	L2		
608510	1.5	91.5	15.5	1	**3.61**
608511	2	102	18	7	**3.61**
608512	2.5	114.5	20.5	10	**4.26**
608513	3	129	23	14	**4.75**
608514	4	144	29	22	**6.89**
608515	5	165	33	35	**10.16**
608516	6	186	38	55	**10.16**
608517	7	197	41	78	**16.23**
608518	8	208	44	105	**16.39**
608519	10	234	50	105	**25.08**
608520	12	262	57	105	**39.34**
608521	14	294	70	437	**64.59**
608522	17	337	80	753	**109.34**
608523	19	379	89	1026	**174.10**
616975	1/16"	92	16	6	**3.28**
616976	5/64"	102	18	7	**3.28**
616977	3/32"	114	20	10	**4.10**
616978	1/8"	129	23	14	**4.43**
616979	9/64"	140	26	22	**5.25**
616980	5/32"	144	29	22	**6.23**
616981	3/16"	165	33	35	**7.54**
616982	7/32"	176	36	55	**8.36**
616983	1/4"	186	38	55	**9.34**
616984	5/16"	208	44	105	**15.08**
616985	3/8"	234	50	105	**23.77**
616986	7/16"	261	53	105	**35.41**
616987	1/2"	293	63	105	**46.39**
616988	9/16"	294	69	437	**59.67**
616989	5/8"	336	76	753	**106.89**
616990	3/4"	379	89	1026	**174.10**

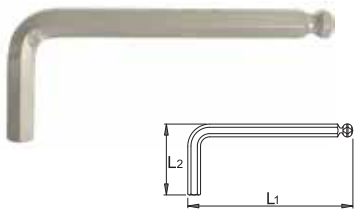


220/3S

Cheie pentru locas hexagonal scurta cu cap sferic



- *material:crom vanadiu*
- *tratate*
- *acoperire prin nichelare*



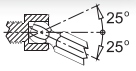
UNIOR Premium

		L1	L2		
607826	1.5	46.5	15.5	5	**3.93**
607827	2	52	18	6	**3.93**
607828	2.5	58.5	20.5	7	**4.26**
607829	3	66	23	10	**4.92**
607830	4	74	29	15	**7.38**
607831	5	85	33	23	**8.36**
607832	6	96	38	35	**12.79**
607834	8	108	44	65	**21.97**
607835	10	122	50	108	**38.52**

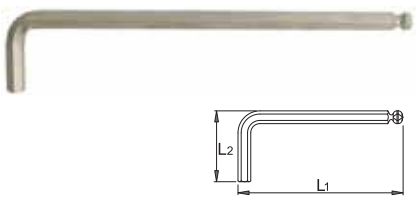


220/3SL

Cheie pentru locas hexagonal lunga cu cap sferic



- *material:crom vanadiu*
- *tratate*
- *acoperire prin nichelare*



UNIOR Premium

		L1	L2		
608524	1.5	91.5	15.5	6	**4.26**
608525	2	102	18	7	**4.75**
608526	2.5	114.5	20.5	10	**5.41**
608527	3	129	23	14	**6.07**
608528	4	144	29	22	**8.85**
608529	5	165	33	35	**10.49**
608530	6	186	38	55	**15.74**
608531	8	208	44	105	**27.38**
608532	10	234	50	105	**49.18**

220FH

Set chei locas hexagonal cu maner tip briceag 2.5-10 mm / 7 piese



UNIOR

617146	2.5 - 10 / 7	300	144.92

220/3 (2.5, 3, 4, 5, 6, 8, 10)

220/3MH

Set de chei locas hexagonal tip briceag metalic



UNIOR

610986	2.5 - 10 / 7	349	94.10

220/3 (2.5, 3, 4, 5, 6, 8, 10)

25161

Set chei locas hexagonal tip briceag 3.0 - 10 mm / 6 piese



Eklind

25161	3.0 - 10 / 6	830	68.85

(3,0; 4,0; 5,0; 6,0; 8,0; 10,0)





25171

Set chei locas hexagonal tip briceag 1.5-6.0 mm / 7 piese



Eklind

25171	1.5 - 6.0 / 7	288	39.84

(1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0)

25181

Set chei locas hexagonal tip briceag



Eklind

25181	2.0 - 8.0 / 8	688	61.97

(2,0; 2,5; 3,0; 4,0; 5,0; 6,0; 7,0; 8,0)

220FH

Set chei locas hexagonal cu maner tip briceag 3/32" - 3/8" / 7 piese



UNIOR

617149	3/32" - 3/8" / 7	300	144.92

220/3(3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8")

25611

Set chei locas hexagonal tip briceag 5/32"-3/8" / 6 piese



Eklind

25611	5/32"-3/8" / 6	833	68.85

(5/32", 3/16", 7/32", 1/4", 5/16", 3/8")

25911

Set chei locas hexagonal tip briceag 5/64" - 1/4" / 9 piese



Eklind

25911	5/64" - 1/4" / 9	438	48.20

(5/64", 3/32", 7/64", 1/8" , 9/64", 5/32", 3/16", 7/32", 1/4")

25912

Set chei locas hexagonal tip briceag .050" - 3/16" / 9 piese



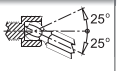
Eklind

25912	.050" - 3/16" / 9	250	41.31

(.050", 1/16", 5/64", 3/32", 7/64", 1/8" , 9/64", 5/32", 3/16")

25919

Set chei locas hexagonal cu cap sferic tip briceag 5/64" - 1/4" / 9 piese





Eklind

25919	5/64" - 1/4" / 9	825	75.90

(5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4")

25519

Set chei locas hexagonal cu cap sferic tip briceag 3/16" - 3/8" / 5 piese



25519	3/16" - 3/8" / 5	825	89.51

(3/16", 7/32", 1/4", 5/16", 3/8")

220/3SFH

Set de chei locas hexagonal cu cap sferic cu maner tip briceag 2.5-10 mm / 7 piese



617147	2.5 - 10 / 7	298	191.80

220/3S (2.5, 3, 4, 5, 6, 8, 10)

25169

Set de chei locas hexagonal cu cap sferic cu maner tip briceag 2.0-6.0 mm / 6 piese



25169	2.0 - 6.0 / 6	288	61.97

(2,0; 2,5; 3,0; 4,0; 5,0; 6,0)



220/3PH

Set chei locas hexagonal in suport de plastic 1.5-12 mm / 10 piese



617079	1.5 - 12 / 10	416	70.00

220/3 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12)

220/3-SET NOU

Set chei locas hexagonal in 1.5 - 3 mm / 4 piese



629440	1.5 - 3 / 4	18	4.10

220/3 (1.5, 2, 2.5, 3)

220/3PB1

Set chei locas hexagonal in cutie de plastic 2-10 mm / 8 piese



610914	2 - 10 / 8	310	66.39

220/3 (2, 2.5, 3, 4, 5, 6, 8, 10)

10509

Set chei locas hexagonal in suport de plastic 1.5 - 10 mm / 9 piese



10509	1.5 - 10 / 9	583	39.51

(1,5; 2,0; 2,5; 3,0; 4,0; 5,0; 6,0; 8,0; 10,0)

10107

Set chei locas hexagonal in suport de plastic 5/64" - 1/4" / 7 piese



10107	5/64" - 1/4" / 7	242	18.03

(5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4")

10111

Set chei locas hexagonal in suport de plastic .050" - 1/4" / 11 piese



10111	.050" - 1/4" / 11	283	29.34

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4")



10112

Set chei locas hexagonal in suport de plastic .050" - 5/16" / 12 piese



Eklind

10112	.050" - 5/16" / 12	417	35.74

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16")

220/3PB1

Set chei locas hexagonal in cutie de plastic 5/64" - 3/8" / 8 piese



UNIOR Premium

612161	5/64" - 3/8" / 8	300	66.39

(5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8")

220/3-SET NOU

Set chei locas hexagonal 3/64" - 1/16" / 3 piese



UNIOR Premium

629441	3/64" - 1/16" / 3	9	2.79

220/3 (3/64", 1/20", 1/16")

10113

Set chei locas hexagonal in suport de plastic .050" - 3/8" / 13 piese



Eklind

10113	.050" - 3/8" / 13	642	44.43

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")

10118

Set chei locas hexagonal scurte si lungi in suport plastic .050" - 5/16" / 18 piese



Eklind

10118	.050" - 5/16" / 18	675	42.62

scurte: .028, .035, .050", 1/16", 5/64", 3/32", 7/64", 5/32", 3/16";
lungi: 1/16", 5/64", 3/32", 1/8", 9/64", 5/32", 3/16", 1/4", 5/16"

220/3SPH

Set de chei locas hexagonal lungi in suport de plastic 1.5-10 mm / 9 piese



UNIOR

607853	1.5 - 10 / 9	252	116.07

220/3S (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

220/3S-SET NOU

Set chei locas hexagonal cu cap sferic 1.5 - 3 mm / 4 piese



UNIOR Premium

629444	1.5 - 3 mm / 4	18	16.89

220/3 (1.5, 2, 2.5, 3)

220/3PB1

Set chei locas hexagonal cu cap sferic in cutie de plastic 2-10 mm / 8 piese



UNIOR Premium

610916	2 - 10 / 8	310	126.07

220/3 (2, 2.5, 3, 4, 5, 6, 8, 10)

220/3LPH

Set de chei locas hexagonal lungi in suport de plastic 1.5-10 mm / 9 piese



UNIOR Premium

608533	1.5 - 10 / 9	416	96.23

220/3L (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

11609

Set de chei locas hexagonal, varianta lunga in suport de plastic 1.5-10 mm /9 piese



Eklind

11609	1.5 - 10 / 9	798	57.54

220/3L (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

17007

Set chei locas hexagonal lungi cu cap sferic si profil special pentru suruburi deteriorate 1,5-10 mm / 9 piese in suport de plastic

- *produs 2 in 1 - functioneaza ca o cheie locas hexagonal conventionala si ca extractor pentru suruburile si bolturi hexagonale deteriorate*
- *in primul rand nu va deteriora suruburile si bolturile hexagonale*
- *usor de folosit*
- *set de 9 chei cu clema pentru curea si suport pentru chei*



boa

17007	1.5 - 10 / 9	865	215.41

(1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

220/3LPH

Set de chei locas hexagonal, lungi in suport de plastic 1.5-12 mm / 10 piese



UNIOR Premium

617080	1.5 - 12 / 10	700	131.64

220/3L (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12)

10609

Set de chei locas hexagonal lungi in suport de plastic 1.5-10 mm / 9 piese



Eklind

10609	1.5 - 10 / 9	815	54.43

(1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)



Produs 2 in 1 Functioneaza ca o cheie pentru locas hexagonal conventionala si ca un extractor

Industrial - Aerospatial - Automotive - Productie - Irigatii - Agricultura - Naval - Hobby - Constructii - Petrochimie - Gaze - Instalatii sanitare





220/3LPH

Set chei locas hexagonal lungi in suport de plastic 1/16" - 3/8" / 9 piese



UNIOR Premium

617082	1/16" - 3/8" / 9	400	122.13

220/3L (1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8")

220/3LPB2

Set chei locas hexagonal lungi in cutie de plastic 2 - 10 mm / 8 piese



UNIOR Premium

610915	2 - 10 / 8	400	125.57

220/3L (2, 2.5, 3, 4, 5, 6, 8, 10)



10212

Set chei locas hexagonal lungi in suport de plastic .050" - 5/16" / 12 piese



Eklind

10212	.050" - 5/16" / 12	617	46.07

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16")

220/3L-SET NOU

Set chei locas hexagonal lungi 1.5 - 3 / 4 piese



UNIOR Premium

629442	1.5 - 3 / 4	27	16.39

220/3L (1.5, 2, 2.5, 3)

220/3L-SET NOU

Set chei locas hexagonal lungi 1/16"- 1/8" / 4 piese



UNIOR Premium

629443	1/16"- 1/8" / 4	27	14.92

220/3L (1/16", 5/64", 3/32", 1/8")

10211

Set chei locas hexagonal lungi in suport de plastic .050"-1/4" / 11 piese



Eklind

10211	.050" - 1/4" / 11	403	43.77

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4")



10207

Set chei locas hexagonal lungi in suport de plastic 5/64" - 1/4" / 7 piese



Eklind

10207	5/64" - 1/4" / 7	342	**28.69**

(5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4")

10213

Set chei locas hexagonal lungi in suport de plastic .050" - 3/8" / 13 piese



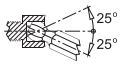
Eklind

10213	.050" - 3/8" / 13	915	**64.43**

(.050", 1/16", 5/64", 3/32", 7/64",1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")

220/3SLPH

Set de chei locas hexagonal lungi cu cap sferic in suport de plastic 1.5-10 mm / 9 piese





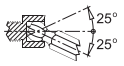
UNIOR Premium

608534	1.5 - 10 / 9	425	**116.72**

220/3SL (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

220/3SLPB2

Set de chei locas hexagonal lungi cu cap sferic in cutie de plastic 2 - 10 mm / 8 piese





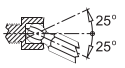
UNIOR Premium

610917	2 - 10 / 8	425	**172.62**

220/3SL (2, 2.5, 3, 4, 5, 6, 8, 10)

13709

Set de chei locas hexagonal lungi cu cap sferic in suport de plastic 1.5-10 mm / 9 piese





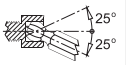
Eklind

13709	1.5 - 10 / 9	795	**98.52**

(1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

17709

Set de chei locas hexagonal extralungi cu cap sferic in suport de plastic 1.5-10 mm / 9 piese





Eklind

17709	1.5 - 10 / 9	903	**116.72**

(1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

13507

Set de chei locas hexagonal lungi cu cap sferic in suport de plastic 1.5-6 mm / 7 piese



Eklind

13507	1.5 - 6 / 7	250	52.13

(1.5, 2, 2.5, 3, 4, 5, 6)

13609

Set de chei locas hexagonal lungi cu cap sferic in suport de plastic 1.5-10 mm / 9 piese



Eklind

13609	1.5 - 10 / 9	795	81.48

(1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

29016

Set combo chei locas hexagonal 13609 si 25171 / 16 piese



Eklind

29016	25171 + 13609 / 16	1080	125.41

25171: 1,5-6,0 / 7 piese (1,5; 2,0; 2,5; 3,0; 4,0; 5,0; 6,0)

13609: 1,5-10,0 / 9 piese (1,5; 2,0; 2,5; 3,0; 4,0; 5,0; 6,0; 8,0; 10,0)

13509

Set de chei locas hexagonal lungi cu cap sferic, varianta Stubby in suport de plastic 1.5-10 mm / 9 piese



Eklind

13509	1.5 - 10 / 9	725	97.05

(1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)



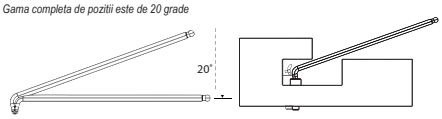
17609

Set chei locas hexagonal lungi cu doua capete sferice in suport de plastic 1.5-10 mm / 9 piese

- *bratul sferic scurt cu o sectiune mai mare pentru a rezista unui cuplu mai mare*
- *unghi de 100° pentru acces usor*
- *20° interval de miscare*
- *acces in sigurata in zone greu accesibile*
- *in curs de brevetare*



Gama completa de pozitii este de 20 grade



Eklind

17609	1.5 - 10 / 9	928	111.80

(1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

220/3SL-SET NOU

Set chei locas hexagonal cu cap sferic 1.5 - 3 mm / 4 piese



UNIOR Premium

629445	1.5 - 3 mm / 4	18	20.66

220/3SL(1.5, 2, 2.5, 3)

13212

Set de chei locas hexagonal lungi cu cap sferic, in suport de plastic .050" - 5/16" / 12 piese



13212	.050" - 5/16" / 12	620	**70.49**

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16")

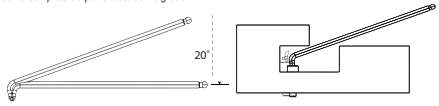
17213

Set chei locas hexagonal lungi cu doua capete sferice in suport de plastic .050" - 3/8" / 13 piese

- *bratul sferic scurt cu o sectiune mai mare pentru a rezista unui cuplu mai mare*
- *unghi de 100° pentru acces usor*
- *20° interval de miscare*
- *acces in sigurata in zone greu accesibile*
- *in curs de brevetare*



Gama completa de pozitii este de 20 grade



17213	.050" - 3/8" / 13	1025	**130.16**

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")

13207

Set de chei locas hexagonal lungi cu cap sferic, in suport de plastic 5/64" - 1/4" / 7 piese



13207	5/64" - 1/4" / 7	342	**48.36**

(5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4")



AVERTIZARE!

Nu utilizati o teava sau prelungire pe cheile hexagonale. A face acest lucru poate fi periculos.

Purtati intotdeauna ochelari de protectie.

13297

Set de chei locas hexagonal lungi cu cap sferic, in suport de plastic 5/64" - 3/16" / 7 piese



13297	5/64" - 3/16" / 7	208	**43.28**

(5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16")



13113

Set de chei locas hexagonal lungi cu cap sferic, varianta Stubby in suport de plastic .050" - 3/8" / 13 piese

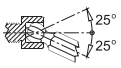


13113	.050" - 3/8" / 13	817	**114.59**

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")

13111 NOU

Set de chei locas hexagonal lungi cu cap sferic, varianta Stubby in suport de plastic .050" - 1/4" / 11 piese





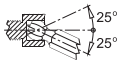
Eklind

13111	.050" - 1/4" / 11	366	84.57

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4")

13122

Set combo de chei locas hexagonal lungi cu cap sferic, varianta Stubby in suport de plastic 13113+13509 / 22 piese





Eklind

13122	13113+13509 / 22	550	208.03

13113 .050"-3/8"/13 piese (.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")
13509 1.5-10 mm / 9 piese (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm)

220/3PB

Set de chei locas hexagonal in husa de plastic



UNIOR

601059	3 - 14 / 8	660	91.15
	220/3 (3, 4, 5, 6, 8, 10, 12, 14)		
601057	3 - 10 / 6	237	41.80
	220/3 (3, 4, 5, 6, 8, 10)		
601061	3 - 19 / 10	1715	252.62
	220/3 (3, 4, 5, 6, 8, 10, 12, 14, 17, 19)		

10592

Set de chei locas hexagonal in husa de plastic 0.7-10 mm / 12 piese



Eklind

10592	0,7 - 10 / 12	533	42.13

(0,7; 0,9; 1,3; 1,5; 2,0; 2,5; 3,0; 4,0; 5,0; 6,0; 8,0; 10,0)

69210

Set de chei locas hexagonal in husa de plastic 1.3-10 mm / 10 piese



Eklind

69210	1,3 - 10 / 10	530	34.10

(1,3; 1,5; 2,0; 2,5; 3,0; 4,0; 5,0; 6,0; 8,0; 10,0)

69511

Set de chei locas hexagonal in husa de plastic cu inel suport 1.5-10 mm / 10 piese



Eklind

69511	1,5 - 10 / 10	850	102.79

(1,5; 2,0; 2,5; 3,0; 4,0; 5,0; 6,0; 7,0; 8,0; 10,0)

69215

Set de chei locas hexagonal in husa de plastic .028" - 3/8" / 15 piese



Eklind

69215	.028" - 3/8" / 15	550	25.57

(.028", .035", .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")

69218

Set de chei locas hexagonal in husa de plastic .050" - 5/16" / 18 piese



Eklind

69218	.050" - 5/16" / 18	592	38.20

scurte: .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 7/32"
lungi: 1/16", 5/64", 3/32", 7/64", 1/8" 5/32", 3/16", 1/4", 5/16"

69213

Set de chei locas hexagonal in husa de plastic cu inel suport .050" - 3/8" / 13 piese



Eklind

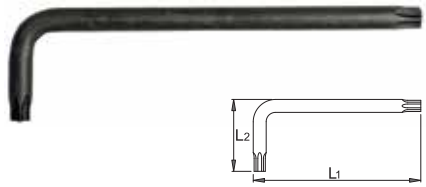
69213	.050" - 3/8" / 13	850	96.07

(.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")

220/7TX

Chei locas cu profil TX cu gaura

- *material:crom vanadiu*
- *capul cheii este tratat in intregime*
- *acoperire prin brunare conform DIN 50938*



UNIOR Premium

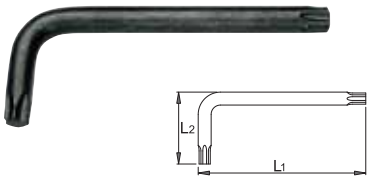
		L1	L2			
616296	TR 9	59	19	9	10	31.31
609173	TR 10	65	20	9	10	31.31
609174	TR 15	75.5	20.5	12	10	31.31
609175	TR 20	87	22	15	10	32.13
609176	TR 25	97.5	22.5	18	10	32.95
609177	TR 27	105.5	25.5	25	10	35.74
609178	TR 30	111	30	32	10	36.39
609179	TR 40	119	33	45	10	40.66



220/7TXN

Chei locas cu profil TX

- *material: crom vanadiu*
- *capul cheii este tratat in intregime*
- *acoperire prin brunare conform DIN 50938*



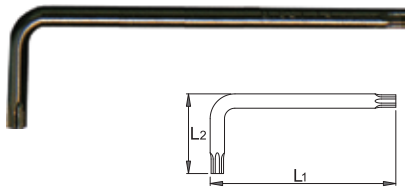
UNIOR Premium

		L1	L2			
616991	TX 6	44.5	18.5	7	10	21.15
616992	TX 7	50.5	18.5	7	10	21.15
616993	TX 8	51	19	8	10	21.15
616994	TX 9	51	19	8	10	18.85
616995	TX 10	54	20	8	10	19.34
616996	TX 15	57.5	21.5	10	10	19.34
616997	TX 20	61	23	13	10	19.51
616998	TX 25	64.5	24.5	15	10	20.00
616999	TX 27	69.5	26.5	21	10	21.48
617000	TX 30	76	30	25	10	21.48
617001	TX 40	83	33	35	10	24.26

Torx®

Chei locas cu profil TX, varianta scurta

- *instrumente profesionale de inalta calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratate termic pentru rezistenta si ductilitate optime*
- *finisat cu Eklind® Black Finish pentru a rezista la rugina*
- *cheile Torx® vor antrena elementele de fixare Torx®, Torx Plus® si stea cu nise si vor indeplini toate standardele aplicabile stabilite de Acument Intellectual Properties, LLC.*
- *Torx® si Torx Plus® sunt marci comerciale inregistrate ale Acument Intellectual Properties, LLC.*



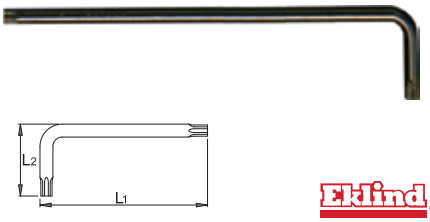
Eklind

		L1	L2		
15805	TX 5	39	12	6	22.95
15806	TX 6	40	12	10	21.80
15807	TX 7	42	13	8	20.00
15808	TX 8	44	14	4	20.00
15809	TX 9	48	15	10	20.00
15810	TX 10	51	17	8	7.05
15815	TX 15	54	18	12	7.38
15820	TX 20	57	19	19	7.70
15827	TX 27	64	22	27	8.85
15845	TX 45	83	29	106	13.77
15850	TX 50	95	32	124	15.74
15860	TX 60	133	41	430	36.56

Torx® L

Chei locas cu profil TX, varianta lunga

- *instrumente profesionale de inalta calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratate termic pentru rezistenta si ductilitate optime*
- *finisat cu Eklind® Black Finish pentru a rezista la rugina*
- *cheile Torx® vor antrena elementele de fixare Torx®, Torx Plus® si stea cu nise si vor indeplini toate standardele aplicabile stabilite de Acument Intellectual Properties, LLC.*
- *Torx® si Torx Plus® sunt marci comerciale inregistrate ale Acument Intellectual Properties, LLC.*

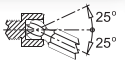


Eklind

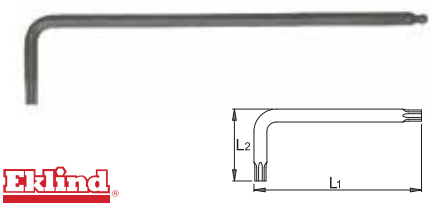
		L1	L2		
15905	TX 5	69	12	8	24.10
15910	TX 10	86	17	13	7.38
15915	TX 15	91	18	18	7.87
15920	TX 20	95	19	28	8.20
15925	TX 25	100	20	31	9.02
15927	TX 27	105	22	44	9.84
15930	TX 30	114	24	52	10.82

Ball / Torx®

Chei locas cu profil TORX® si cap sferic



- *instrumente profesionale de inalta calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratate termic pentru rezistenta si ductilitate optime*
- *finisat cu Eklind® Black Finish pentru a rezista la rugina*
- *cheile Torx® vor antrena elementele de fixare Torx®, Torx Plus® si stea cu nise si vor indeplini toate standardele aplicabile stabilite de Acument Intellectual Properties, LLC.*
- *Torx® si Torx Plus® sunt marci comerciale inregistrate ale Acument Intellectual Properties, LLC.*



Eklind

		L1	L2		
15006	TX 6	70	12	4	25.08
15007	TX 7	72	13	6	23.77
15008	TX 8	76	14	8	23.77
15060	TX 60	210	41	476	46.89

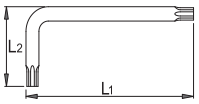


Torx® TR

Chei locas cu profil TX cu gaura, varianta lunga

- *instrumente profesionale de inalta calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratate termic pentru rezistenta si ductilitate optime*
- *finisat cu Eklind® Black Finish pentru a rezista la rugina*
- *cheile Torx® vor antrena elementele de fixare Torx®, Torx Plus® si stea cu nise si vor indeplini toate standardele aplicabile stabilite de Acument Intellectual Properties, LLC.*
- *Torx® si Torx Plus® sunt marci comerciale inregistrate ale Acument Intellectual Properties, LLC.*





Eklind

		L1	L2		
15706	TR 6	70	12	8	**30.82**
15707	TR 7	72	13	10	**29.02**
15708	TR 8	76	14	8	**29.02**
15745	TR 45	133	29	150	**24.59**
15750	TR 50	152	32	176	**26.39**
15755	TR 55	171	35	312	**39.51**
15760	TR 60	210	41	490	**52.30**





220/7TXNFH

Set de chei cu profil TX cu maner tip briceag TX9-TX40 / 8 piese



UNIOR

617150	TX 9 - TX 40 / 8	225	**199.02**

220/7TXN (TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

25570

Set de chei locas hexagonal cu profil TX tip briceag TX 10 - TX 40 / 7 piese



Eklind

25570	TX 10 - TX 40 / 7	450	**99.51**

(TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

220/7TXPH

Set de chei cu profil TX Tamper cu gaura in suport de plastic TR 8 - TR 40 / 9 piese



UNIOR

613089	TR 8 - TR 40 / 9	162	**279.02**

220/7TX (TR 8TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40)

220/7TX-SET NOU

Set de chei cu profil TX Tamper cu gaura TR 9 - TR 15 / 3 piese



UNIOR Premium

629446	TR 9 - TR 15 / 3	3	**39.02**

220/3 (TR 9, TR 10, TR 15)

220/7TXN-SET NOU

Set de chei cu profil TX TX 6 - TX 15 / 6 piese



UNIOR Premium

629447	TX 6 - TX 15 / 6	27	**47.21**

220/7TXN (TX 6, TX 7, TX 8, TX 9, TX 10, TX 15)



10807

Set chei cu profil TORX in suport de plastic TX10-TX40 / 7 piese



10807	TX 10 - TX 40 / 7	233	**77.21**

(TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

10907

Set chei lungi cu profil TORX in suport de plastic TX10-TX40 / 7 piese

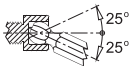


10907	TX 10 - TX 40 / 7	325	**98.36**

(TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

10007

Set chei cu profil TX in suport de plastic TX10-TX40 / 7 piese





10007	TX 10 - TX 40 / 7	325	**107.38**

(TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

10707

Set chei cu profil TORX Tamper cu gaura in suport de plastic TX10-TX40 / 7 piese



10707	TX 10 - TX 40 / 7	327	**144.59**

(TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

11907

Set chei cu profil TORX cromate in suport de plastic TX10-TX40 / 7 piese



11907	TX 10 - TX 40 / 7	327	**86.89**

(TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

220/7TXNPH

Set de chei cu profil TX in suport de plastic TX8-TX40 / 9 piese



UNIOR

617077	TX 8 - TX 40 / 9	135	**171.48**

220/7TN (TX 8, TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

10814

Set chei cu profil TORX in husa de plastic TX6-TX55 / 14 piese



10814	TX 6 - TX 55 / 14	650	**240.66**

(T6; T7; T8; T9; T10; T15; T20; T25; T27; T30; T40; T45; T50; T55)

10897

Set chei cu profil TORX in husa de plastic TX6-TX20 / 7 piese



10897	TX 6 - TX 55 / 7	90	**103.11**

(T6, T7, T8, T9, T10, T15, T20)

10910

Set chei cu profil TORX in husa de plastic TX10-TX55 / 10 piese



10910	TX 10 - TX 55 / 10	1000	**139.18**

(T10, T15, T20, T25, T27, T30, T40, T45, T50, T55)

10810

Set chei cu profil TORX in husa de plastic TX10-TX55 / 10 piese



Eklind

10810	TX 10 - TX 55 / 10	687	**130.66**

(T10, T15, T20, T25, T27, T30, T40, T45, T50, T55)

10714 NOU

Set chei cu profil TORX lungi in husa de plastic TX6-TX55 / 14 piese



Eklind

10714	TX 6 - TX 55 / 14	1000	**391.85**

(T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40, T45, T50, T55)

25565

Set chei cu profil TORX Plus 27IP-50IP / 5 piese in briceag



Eklind

25565	27IP - 50IP / 5	800	**101.48**

(27IP, 30IP, 40IP, 45IP, 50IP)

10914 NOU

Set chei cu profil TORX lungi in husa de plastic TX6-TX55 / 14 piese



Eklind

10914	TX 6 - TX 55 / 14	1000	**290,33**

(T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40, T45, T50, T55)

25575

Set chei cu profil TORX Plus 10IP-40IP / 7 piese in briceag



Eklind

25575	10IP - 40IP / 7	450	**91.64**

(10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40IP)

25585

Set chei cu profil TORX Plus 6IP-25IP / 8 piese in briceag



Eklind

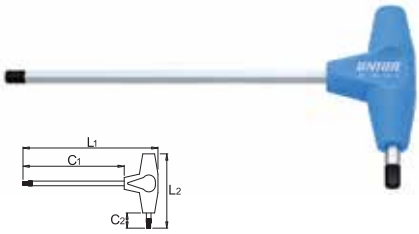
25585	6IP - 25IP / 8	250	**91.64**

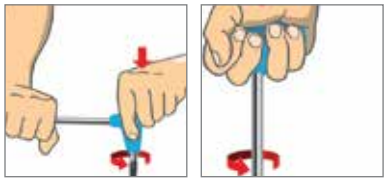
(6IP, 7IP, 8IP, 9IP, 10IP, 15IP, 20IP, 25IP)

193HX

Chei hexagonale cu maner in T

- *material:tija-crom vanadiu tratata complet*
- *maner-polipropilena*
- *lama cromata, varful brunat*





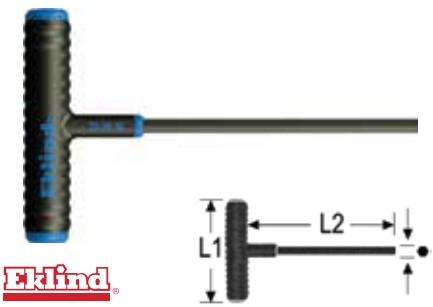
UNIOR

		L1	C1	C2	L2		
623238	2	155	125	15	61	12	**22.95**
607161	2.5	155	125	15	61	13	**22.95**
607162	3	155	125	15	61	16	**23.44**
607163	3.5	155	125	15	61	20	**23.93**
607164	4	155	125	15	61	24	**30.00**
607165	4.5	188	150	20	88	57	**30.33**
607166	5	188	150	20	88	56	**33.61**
607167	6	188	150	20	88	74	**36.56**
607168	7	223	175	25	113	128	**49.34**
607169	8	223	175	25	113	155	**51.80**
607170	10	248	200	25	113	233	**67.54**

Power-T™ Hex 6"

Cheie cu maner in T si profil hexagonal, varianta scurta

- *instrumente profesionale de inalta calitate industriala*
- *fabricat din otel aliat Eklind®.*
- *tratat termic pentru rezistenta si ductilitate optime.*
- *finisat cu Eklind® Black Finish pentru a rezista la rugina*
- *cheile hexagonale Eklind® cu maner in T ofera o raza suplimentara si o parghie suplimentara*
- *cheile hexagonale cu maner in T Eklind® Power-T™ au un maner moale si texturat pentru un plus de confort, rezistenta la alunecare si siguranta*



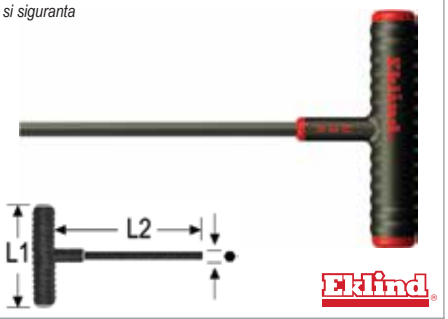
Eklind

		L1	L2		
64620	2,0	76	152	113	**15.57**
64625	2,5	76	152	113	**15.90**
64630	3,0	76	152	125	**17.70**
64640	4,0	76	152	138	**20.33**
64650	5,0	102	152	310	**21.97**
64660	6,0	102	152	345	**27.87**
64670	7,0	127	152	625	**45.57**
64680	8,0	127	152	655	**43.93**
64685	9,0	127	152	700	**50.49**
64690	10,0	127	152	740	**50.49**

Power-T™ Hex 6"

Cheie cu maner in T si profil hexagonal, varianta scurta

- *instrumente profesionale de inalta calitate industriala*
- *fabricat din otel aliat Eklind®.*
- *tratat termic pentru rezistenta si ductilitate optime.*
- *finisat cu Eklind® Black Finish pentru a rezista la rugina*
- *cheile hexagonale Eklind® cu maner in T ofera o raza suplimentara si o parghie suplimentara*
- *cheile hexagonale cu maner in T Eklind® Power-T™ au un maner moale si texturat pentru un plus de confort, rezistenta la alunecare si siguranta*

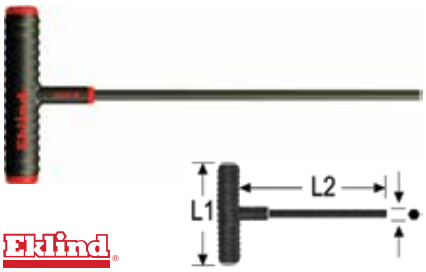


		L1	L2		
61605	5/64"	76	152	105	16.07
61606	3/32"	76	152	110	15.90
61607	7/64"	76	152	115	16.89
61608	1/8"	76	152	120	17.87
61609	9/64"	76	152	125	20.00
61610	5/32"	76	152	130	20.33
61612	3/16"	102	152	310	22.95
61614	7/32"	102	152	330	23.93
61616	1/4"	102	152	355	32.30
61620	5/16"	127	152	655	43.61
61624	3/8"	127	152	710	48.20

Power-T™ Hex 9"

Cheie cu maner in T si profil hexagonal, varianta lunga

- *instrumente profesionale de inalta calitate industriala*
- *fabricat din otel aliat Eklind®.*
- *tratat termic pentru rezistenta si ductilitate optime.*
- *finisat cu Eklind® Black Finish pentru a rezista la rugina*
- *cheile hexagonale Eklind® cu maner in T ofera o raza suplimentara si o parghie suplimentara*
- *cheile hexagonale cu maner in T Eklind® Power-T™ au un maner moale si texturat pentru un plus de confort, rezistenta la alunecare si siguranta*

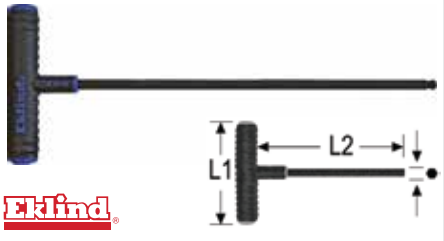


		L1	L2		
61905	5/64"	76	229	110	17.87
61906	3/32"	76	229	115	17.70
61907	7/64"	76	229	125	18.52
61908	1/8"	76	229	130	20.00
61909	9/64"	76	229	140	20.82
61910	5/32"	76	229	150	21.64
61912	3/16"	102	229	330	23.28
61914	7/32"	102	229	360	27.21
61916	1/4"	102	229	400	34.10
61920	5/16"	127	229	725	48.20
61924	3/8"	127	229	815	53.28

Power-T™ Ball-Hex 9"

Cheie cu maner in T si profil hexagonal cu cap sferic, varianta lunga

- *instrumente profesionale de inalta calitate industriala*
- *fabricat din otel aliat Eklind®.*
- *tratat termic pentru rezistenta si ductilitate optime.*
- *finisat cu Eklind® Black Finish pentru a rezista la rugina*
- *cheile hexagonale Eklind® cu maner in T ofera o raza suplimentara si o parghie suplimentara*
- *cheile hexagonale cu maner in T Eklind® Power-T™ au un maner moale si texturat pentru un plus de confort, rezistenta la alunecare si siguranta*

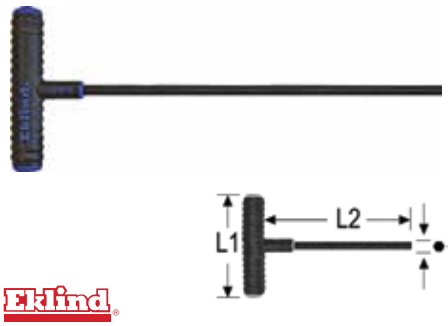


		L1	L2		
64820	2,0	51	229	0.110	20.66
64825	2,5	51	229	0.120	21.64
64830	3,0	76	229	0.125	20.66
64840	4,0	76	229	0.150	23.44
64850	5,0	102	229	0.340	25.57
64860	6,0	102	229	0.385	34.10
64870	7,0	127	229	0.700	54.43
64880	8,0	127	229	0.725	54.43
64885	9,0	127	229	0.800	59.67
64890	10,0	127	229	0.845	59.67

Power-T™ Hex 9"

Cheie cu maner in T si profil hexagonal, varianta lunga

- *cheile Eklind Power-T ™ sunt fabricate din Eklind Alloy Steel™ de cea mai inalta calitate*
- *construite cu un miez din otel solid pentru rezistenta maxima*
- *tratate termic pentru rezistenta maxima si finisate pentru a rezista la rugina*
- *manere cu aderenta dubla ofera confort sporit si rezistenta la alunecare pentru siguranta*

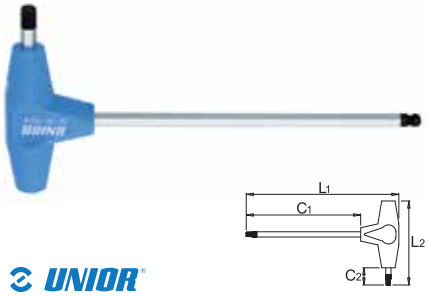


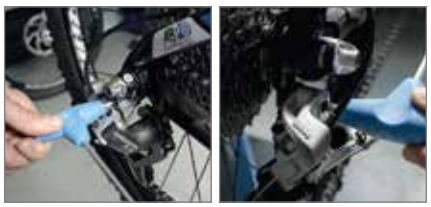
		L1	L2		
64920	2,0	76	229	110	17.21
64925	2,5	76	229	120	17.21
64930	3,0	76	229	125	19.51
64940	4,0	76	229	150	21.64
64950	5,0	102	229	340	23.93
64960	6,0	102	229	385	30.98
64970	7,0	127	229	665	51.31
64980	8,0	127	229	725	49.67
64985	9,0	127	229	895	54.26
64990	10,0	127	229	855	54.26

193HXS

Chei hexagonale cu cap sferic si cu maner

- *material:tija-crom vanadiu tratata complet*
- *maner-polipropilena*
- *lama cromata, varful brunat*



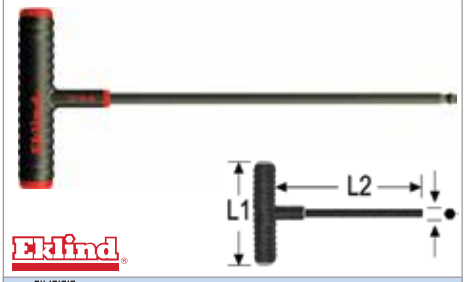


		L1	C1	C2	L2		
608276	2.5	155	125	15	61	13	23.61
608277	3	155	125	15	61	16	24.59
608278	4	155	125	15	61	25	30.82
608279	5	188	150	20	88	56	34.75
608280	6	188	150	20	88	72	38.20
608281	8	223	175	25	113	153	54.10
608282	10	248	200	25	113	234	70.98

Power-T™ Ball-Hex 9"

Cheie cu maner in T si profil hexagonal cu cap sferic, varianta lunga

- *instrumente profesionale de inalta calitate industriala*
- *fabricat din otel aliat Eklind®.*
- *tratat termic pentru rezistenta si ductilitate optime.*
- *finisat cu Eklind® Black Finish pentru a rezista la rugina*
- *cheile hexagonale Eklind® cu maner in T ofera o raza suplimentara si o parghie suplimentara*
- *cheile hexagonale cu maner in T Eklind® Power-T™ au un maner moale si texturat pentru un plus de confort, rezistenta la alunecare si siguranta*



		L1	L2		
61805	5/64"	51	229	0.110	20.66
61806	3/32"	51	229	0.115	20.66
61807	7/64"	51	229	0.125	20.66
61808	1/8"	76	229	0.130	21.64
61809	9/64"	76	229	0.140	21.64
61810	5/32"	76	229	0.150	24.43
61812	3/16"	102	229	0.335	24.59
61814	7/32"	102	229	0.360	34.26
61816	1/4"	102	229	0.395	36.23
61820	5/16"	127	229	0.720	53.77
61824	3/8"	127	229	0.815	59.18

193HXCB

Set de surubelnite cu cap hexagonal in cutie de carton



UNIOR

608879	2.5 - 10 / 10	884	369.34

193HX (2.5, 3, 3.5, 4, 4.5, 5, 6, 7, 8, 10)

193HXCS

Set de surubelnite cu cap hexagonal in cutie de carton



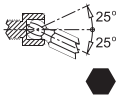
UNIOR

607890	2.5 - 10 / 7	743	265.74

193HX (2.5, 3, 4, 5, 6, 8, 10)

193HXSCS

Set de surubelnite cu cap hexagonal sferic in cutie de carton





UNIOR

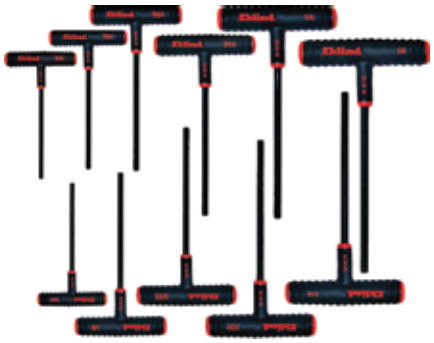
609337	2.5 - 10 / 7	739	277.05

193HXS (2.5, 3, 4, 5, 6, 8, 10)



60611

Set de surubelnite cu cap hexagonal varianta 6" in husa plastic



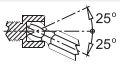
Eklind

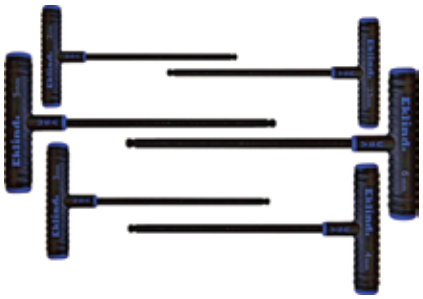
60611	5/64" - 3/8" / 11	3300	308.85

(5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")

64806

Set de surubelnite cu cap hexagonal sferic varianta 9" in husa plastic





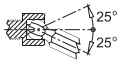
Eklind

64806	2.0 - 6.0 / 6	1600	198.52

(2, 2.5, 3, 4, 5, 6)

64808

Set de surubelnite cu cap hexagonal sferic varianta 9" in husa plastic





Eklind

64808	2.0 - 10.0 / 8	3000	308.85

(2, 2.5, 3, 4, 5, 6, 8, 10)

193TX

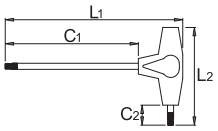
Chei cu maner in T cu profil TX

- *material: tija-crom vanadiu tratata complet*
- *maner-polipropilena*
- *lama cromata, varful brunat*



UNIOR





		L1	C1	C2	L2		
607171	TX 6	155	125	15	61	15	41.15
607172	TX 7	155	125	15	61	15	41.15
607173	TX 8	155	125	15	61	15	41.31
607174	TX 9	155	125	15	61	15	41.31
607175	TX 10	155	125	15	61	15	41.64
607176	TX 15	155	125	15	61	19	47.54
607177	TX 20	155	125	15	61	22	51.80
607178	TX 25	188	150	20	88	46	54.43
607179	TX 27	188	150	20	88	58	58.03
607180	TX 30	188	150	20	88	67	66.89
607181	TX 40	223	175	25	113	118	69.34
607182	TX 45	223	175	25	113	142	82.30

Power-T™ Torx®

Cheie cu maner in T si profil TORX®

- *cheile Eklind Power-T ™ sunt fabricate din Eklind Alloy Steel™ de cea mai inalta calitate*
- *construite cu un miez din otel solid pentru rezistenta maxima*
- *tratate termic pentru rezistenta maxima si finisate pentru a rezista la rugina*
- *manere cu aderenta dubla ofera confort sporit si rezistenta la alunecare pentru siguranta*



Eklind

		L1	L2		
68606	T6	76	152	46	27.54
68607	T7	76	152	46	27.54
68608	T8	76	152	46	27.54
68609	T9	76	152	46	27.54
68610	T10	76	152	46	27.54
68615	T15	76	152	48	26.56
68620	T20	76	152	50	27.54
68625	T25	76	152	52	27.54
68627	T27	102	152	122	34.43
68630	T30	102	152	130	38.03
68640	T40	102	152	142	48.20
68645	T45	127	152	131	61.97
68650	T50	127	152	143	65.25

193TXCB

Set de surubelnite profil TX cu maner in T in cutie de carton



UNIOR

608880	TX 6 - TX 45 / 10	631	554.75

193TX (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45)

193TXCS

Set de surubelnite profil TX cu maner in T in cutie de carton



UNIOR

607888	TX 10 - TX 45 / 7	605	414.26

193TX (TX 10, TX 15, TX 20, TX 25, TX 30, TX 40, TX 45)

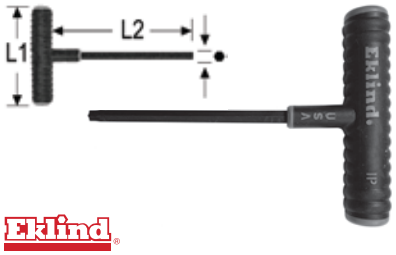




Power-T™ Torx® Plus 6”

Cheie cu maner in T si profil TORX® Plus 6”

- *cheile Eklind Power-T ™ sunt fabricate din Eklind Alloy Steel™ de cea mai inalta calitate*
- *construite cu un miez din otel solid pentru rezistenta maxima*
- *tratate termic pentru rezistenta maxima si finisate pentru a rezista la rugina*
- *manere cu aderenta dubla ofera confort sporit si rezistenta la alunecare pentru siguranta*



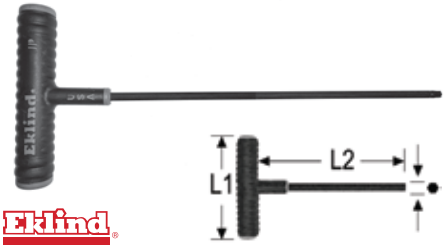
Eklind

		L1	L2		
68706	6IP	76	152	115	28.69
68707	7IP	76	152	115	28.69
68708	8IP	76	152	115	28.69
68709	9IP	76	152	115	28.69
68710	10IP	76	152	115	28.69
68715	15IP	76	152	120	28.69
68720	20IP	76	152	125	28.69
68725	25IP	76	152	130	28.69
68727	27IP	102	152	305	36.07
68730	30IP	102	152	325	39.34
68740	40IP	102	152	355	50.00
68745	45IP	127	152	655	64.59
68750	50IP	127	152	715	67.87

Power-T™ Torx® Plus 9”

Cheie cu maner in T si profil TORX® Plus 9”

- *cheile Eklind Power-T ™ sunt fabricate din Eklind Alloy Steel™ de cea mai inalta calitate*
- *construite cu un miez din otel solid pentru rezistenta maxima*
- *tratate termic pentru rezistenta maxima si finisate pentru a rezista la rugina*
- *manere cu aderenta dubla ofera confort sporit si rezistenta la alunecare pentru siguranta*

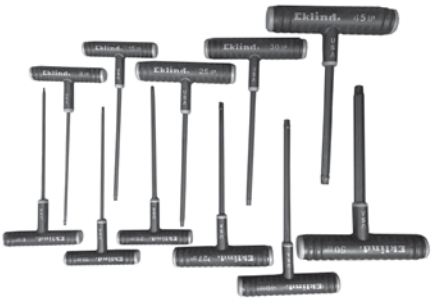


Eklind

		L1	L2		
69906	6IP	76	229	140	34.43
69907	7IP	76	229	140	34.43
69908	8IP	76	229	140	34.43
69909	9IP	76	229	140	34.43
69910	10IP	76	229	140	34.43
69915	15IP	76	229	145	34.43
69920	20IP	76	229	150	34.43
69925	25IP	76	229	155	34.43
69927	27IP	102	229	330	43.28
69930	30IP	102	229	350	47.70
69940	40IP	102	229	380	60.16
69945	45IP	127	229	705	77.05
69950	50IP	127	229	765	81.48

68700

Set de surubelnite cu profil TORX® Plus 6” in husa plastic 6IP - 50IP /11 piese



Eklind

68700	6IP - 50IP /11	3340	431.48

(6IP, 8IP, 10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40P, 45IP, 50IP)

68701

Set de surubelnite cu profil TORX® Plus 6” in husa plastic 6IP - 20IP / 7 piese



Eklind

68701	6IP - 20IP / 7	1000	266.72

(6IP, 7IP, 8IP, 9IP, 10IP, 15IP, 20IP)

68702

Set de surubelnite cu profil TORX® Plus 6” in husa plastic 10IP - 40IP / 7 piese



Eklind

68702	10IP - 40IP / 7	2000	266.72

(10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40P)

69900

Set de surubelnite cu profil TORX® Plus 9” in husa plastic 6IP - 50IP /11 piese



69900	6IP - 50IP /11	4400	513.77

(6IP, 8IP, 10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40P, 45IP, 50IP)

69901

Set de surubelnite cu profil TORX® Plus 9” in husa plastic 6IP - 20IP / 7 piese



69901	6IP - 20IP / 7	1000	320.00

(6IP, 7IP, 8IP, 9IP, 10IP, 15IP, 20IP)

69902

Set de surubelnite cu profil TORX® Plus 9” in husa plastic 10IP - 40IP / 7 piese



69902	10IP - 40IP / 7	2000	320.00

(10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40P)

DIAMETRU DE FILETARE

M	Suruburi metrice
M	Suruburi metrice fara cap
T	Suruburi auto-filetante
W	Suruburi pentru lemn

CHEI PENTRU LOCAS HEXAGONAL

Suruburi metric

		Capac			Cap frezat	Suruburi fara cap		
	Cuplu minim	ISO 4762				ISO 4026 4029	ISO 4027	ISO 4028
	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN
	911	912	6912	7984	7991	913 916	914	915
Dimensiune	Nm							
⬢		M	M	M	M	M	M	M
0,7	0,08					1,4	1,4	1,4
						1,6	1,6	1,6
						1,8	1,8	1,8
0,9	0,18					2	2	2
1,3	0,53	1,4			2,5	2,5	2,5	2,5
1,5	0,82	1, 6-2				3	3	3
2	1,9	2,5		3	3	4	4	4
2,5	3,8	3		4	4	5	5	5
3	6,6	4	4	5	5	6	6	6
4	16	5	5	6	6	8	8	8
5	30	6	6	8	8	10	10	10
6	52	8	8		10	12	12	12
						14	14	14
7	78			10				
8	120	10	10	12	12	16	16	16
10	220	12	12	14	14	18	18	18
						20	20	20
12	370	14	14	1 6	16	22	22	22
				18	18	24	24	24
14	590	1 6	16	20	20			
		18	18	22	22			
17	1000	20	20	24	24			
		22	22					
19		24	24					
		27	27					
22		30	30					
24		33	33					
27		3 6	36					
32		42						





CAPETE CHEI TUBULARE SI ACCESORII

Folosire simpla

Operarea antrenorului cu clichet se bazeaza pe un mecanism cu 75 dinti, care divide un cerc complet de 360° in sectiuni de 4.8° si garanteaza in consecinta folosirea simpla chiar si in locuri aproape inacesibile. Cu incremente mai mari de clichet, mai putine rotiri si efort, puteti obtine fiabilitate si precizie mai mari

Precizie

Impreuna cu indispensabilele antrenoare cu clichet, capetele tubulare Unior permit strangerile egale, predictibile si de precizie

Siguranta

Sistem de retentie a capului tubular cu un buton de eliberare la o apasare care permite o siguranta sporita in lucru si viteza sporita de blocare

UNIOR cobit tool technology ASW ÖZAT 2000 LTD. TIVOLY WGB THE WERKZEUG

O procedura speciala de fabricatie a capetelor tubulare

CLICHET

1. Debitare: otelul plat se debiteaza in forma corecta intrebuintand o presa de debitat; precizia taierii asigura un minim de material de calitate consumat.



2. Forjarea: piesele forjate sunt realizate prin forjare la cald. Forjarea la cald permite obtinerea diferitelor forme complexe si ergonomice. Prin procedeele de forjare corespunzatoare, se mentine sensul fibrajului, pe care zonele laminate le-au avut anterior.

3. Debavurarea: Eliminarea excesului de material



CARCASA CLICHETULUI

4. Prelucrarea CNC: se realizeaza pe o masina CNC folosind dispozitive speciale de prindere care asigura exactitatea dimensiunilor si functionalitatea in ceea ce priveste miscarea controlata a tuturor elementelor.

5. Tratamentul termic (calire si revenire): tratamentul termic prin calire si revenire este destinat imbunatatirii structurii de otel, pentru a oferi o mai mare duritate si tenacitate produsului, precum si celelalte proprietati fizicomecanice necesare lucrului in conditii de solicitari prescrise.



6. Sablarea: curatarea suprafetei inainte de cromare este importanta din motive de calitate si de protectie durabila a suprafetei.

7. Carcasa clichetului este placata cu un strat subtire, solid de oxid de crom, care protejeaza impotriva coroziunii si uzurii, precum si a altor deteriorari mecanice. In acelasi timp acest placaj da intregului produs - clichetul Unior - un aspect stralucitor si profesional.



PINION

8. Prelucrarea CNC se executa pe masini CNC care asigura precizia necesara. Pinionul este unul din elementele esentiale ale clichetului si dimensiunile individuale trebuiesc executate cu marje de toleranta foarte inguste.



9. Brosarea dintilor este o operatiune pentru modelarea dintilor pe pinion. Geometria celor 72 de dinti garanteaza deplasarea pe ambele fete a clichetului Unior.

10. Tratament termic (calire si revenire): tratamentul termic prin calire si revenire este destinat imbunatatirii structurii otelului pentru a oferi o mai mare duritate si tenacitate produsului, precum si celelalte proprietati necesare depasirii sarcinilor solicitate de munca cu acest produs.



11. Sablarea: curatarea suprafetei dupa tratamentul termic

12. Corpul clichetului

13. Element pentru blocare



14. Butonul de actionare

15. Capac

16. Ejector



17. Montaj

18. Asamblare finala: muncitorii instruiti, calificati si meticulosi care executa asamblarea finala, monteaza produsul intr-un ansamblu care asigura functionalitatea si calitatea ridicata a produsului.



Capete chei tubulare cu patrat de 1/4” 65
Capete chei tubulare cu patrat de 3/8” 71
Capete chei tubulare cu patrat de 1/2” 76
Capete chei tubulare cu patrat de 3/4” 87
Capete chei tubulare cu patrat de 1” 90
Capete chei tubulare de IMPACT 1/4” 93
Capete chei tubulare de IMPACT 3/8” 97
Capete chei tubulare de IMPACT 1/2” 107
Capete chei tubulare de IMPACT 5/8” 127
Capete chei tubulare cu patrat de 3/4” 128
Capete chei tubulare cu patrat de 1” 141
Capete chei tubulare cu patrat de 1.1/2” 152
Capete chei tubulare cu patrat de 2.1/2” 159
Capete chei tubulare de IMPACT 3.1/2” 163
Capete chei tubulare de IMPACT 5-spline 165
Capete chei tubulare de IMPACT Cover S 169

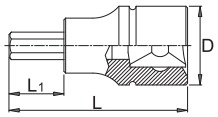


187/2HX

Capete chei tubulare cu hexagon exterior 1/4"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*
- *in conformitate cu standardul DIN 7422 (doar pentru dimensiunile in mm)*





UNIOR

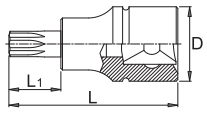
		L	L1	D				
625741	2,5	32	13	12	15	4B	10	13.61
607898	3	32	13	12	18	4B	10	13.61
607899	4	32	13	12	18	4B	10	13.61
607900	5	32	13	12	18	4B	10	13.61
607901	6	32	13	12	18	4B	10	13.61
607902	7	32	13	12	18	4B	10	13.61

187/2TX

Capete chei tubulare cu cap profil TX exterior 1/4"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

		L	L1	D				
607903	TX 8	32	13	12	15	4B	10	13.61
607904	TX 10	32	13	12	15	4B	10	13.61
607905	TX 15	32	13	12	15	4B	10	13.61
607906	TX 20	32	13	12	15	4B	10	13.61
607907	TX 25	32	13	12	15	4B	10	13.61
607908	TX 27	32	13	12	15	4B	10	13.61
607909	TX 30	32	13	12	15	4B	10	13.61
607910	TX 40	32	13	12	17	4B	10	13.61

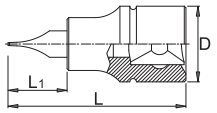


187/2SL

Capete chei tubulare cu cap surubelnita exterior 1/4"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

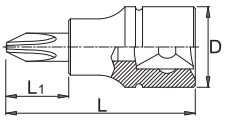
	a	b	L	L1	D				
607895	0.8	4	32	13	12	15	4B	10	14.43
607896	1	5.5	32	13	12	15	4B	10	14.43
607897	1.2	7	32	13	12	17	4B	10	14.43

187/2PH

Capete chei tubulare cu cap profil PH exterior 1/4"

- *material: capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit:otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

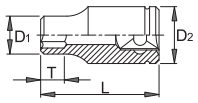
		L	L1	D				
607892	PH 1	32	13	12	14	4B	10	14.43
607893	PH 2	32	13	12	14	4B	10	14.43
607894	PH 3	32	13	12	15	4B	10	14.43

188/2 6p

Cap cheie tubulara 1/4"

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

		L	D1	D2	T				
618682	3.2	25	6	12	4	15	4B	10	9.67
600815	4	25	6.7	12	4	15	4B	10	9.67
600816	4.5	25	7.3	12	4	15	4B	10	9.67

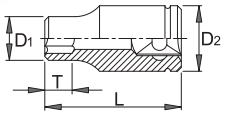
		L	D1	D2	T				
600817	5	25	8	12	5	15	4B	10	9.67
600818	5.5	25	8.6	12	5.5	15	4B	10	9.67
600819	6	25	9.2	12	6	15	4B	10	9.67
600820	7	25	11	12	6	15	4B	10	9.67
600821	8	25	12	12	7.5	15	4B	10	10.00
600822	9	25	13	13	7.5	15	4B	10	10.00
600823	10	25	14.5	14.5	9	39	4B	10	10.82
600824	11	25	16	15.5	10.5	39	4B	10	10.98
603130	12	25	17	17	10.5	39	4B	10	11.31
600825	13	25	18	18	10.5	39	4B	10	11.64
603131	14	25	19.5	19.5	13	39	4B	10	11.64
618683	3/16"	25	8	11.9	5	15	4B	10	9.67
618684	7/32"	25	8.8	11.9	5	15	4B	10	9.67
618685	1/4"	25	9.3	11.9	5	15	4B	10	9.67
618686	9/32"	25	10.5	11.9	5	15	4B	10	9.67
618687	5/16"	25	10.5	11.9	5	15	4B	10	10.49
618688	11/32"	25	10.5	13.1	5	15	4B	10	10.98
618689	3/8"	25	10.5	14.6	8	39	4B	10	10.98
618690	13/32"	25	10.5	14.6	8	39	4B	10	10.98
618691	7/16"	25	10.5	15.9	8	39	4B	10	10.98
618692	1/2"	25	10.5	17.9	10	39	4B	10	13.44
618693	9/16"	25	10.5	19.7	10	39	4B	10	13.44

188/2 12p

Capete chei tubulare 1/4", cu 12 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

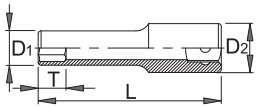
		L	D1	D2	T				
616857	4	25	6.8	11.9	5	15	4B	10	9.67
616858	4.5	25	7.1	11.9	5	15	4B	10	9.67
616859	5	25	8	11.9	5	15	4B	10	9.67
616860	5.5	25	8.3	11.9	5	15	4B	10	9.67
616861	6	25	9.3	11.9	5	15	4B	10	9.67
616862	7	25	10.5	11.9	5	15	4B	10	9.67
616863	8	25	10.5	11.9	5	15	4B	10	10.00
616864	9	25	10.5	13.1	8	15	4B	10	10.00
616865	10	25	10.5	14.5	8	39	4B	10	10.82
616866	11	25	10.5	15.8	8	39	4B	10	10.98
616867	12	25	10.5	16.8	8	39	4B	10	11.31
616868	13	25	10.5	17.8	10	39	4B	10	11.64
616869	14	25	10.5	19.6	10	39	4B	10	11.64
616870	3/16"	25	8	11.9	5	15	4B	10	9.67
616871	7/32"	25	8.3	11.9	5	15	4B	10	9.67
616872	1/4"	25	9.3	11.9	5	15	4B	10	9.67
616873	9/32"	25	10.5	11.9	5	15	4B	10	9.67
616874	5/16"	25	10.5	11.9	5	15	4B	10	10.49
616875	11/32"	25	10.5	12.9	5	15	4B	10	10.98
616876	3/8"	25	10.5	13.9	8	39	4B	10	10.98
616877	13/32"	25	10.5	14	8	39	4B	10	10.98
616878	7/16"	25	10.5	15.8	8	39	4B	10	10.98
616879	1/2"	25	10.5	17.8	10	39	4B	10	13.44
616880	9/16"	25	10.5	19.6	10	39	4B	10	13.44

188/2L6p

Capete chei tubulare 1/4", varianta lunga

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

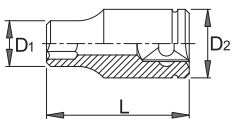
		L	D1	D2	T				
618697	3.2	50	6	12	8	20	4B	10	16.89
616881	4	50	6.8	11.9	5	20	4B	10	12.46
616882	4.5	50	7.1	11.9	5	20	4B	10	12.46
616883	5	50	8	11.9	5	20	4B	10	12.46
616884	5.5	50	8.3	11.9	5	20	4B	10	12.46
616885	6	50	9.3	11.9	8	20	4B	10	12.46
616886	7	50	10.5	11.9	8	71	4B	10	12.46
616887	8	50	10.5	11.9	8	71	4B	10	12.46
616888	9	50	10.5	13.1	11	71	4B	10	13.77
616889	10	50	10.5	14.5	11	71	4B	10	14.75
616890	11	50	10.5	15.8	11	71	4B	10	16.39
616891	12	50	10.5	16.8	13	71	4B	10	16.39
616892	13	50	10.5	17.8	13	71	4B	10	18.85
616893	14	50	10.5	19.6	16	71	4B	10	20.98

189/2

Capete chei tubulare cu profil TX interior 1/4"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





UNIOR

		L	D2	D1				
607911	E 4	25	12	5.4	15	4B	10	17.87
607912	E 5	25	12	6.7	15	4B	10	17.87
607913	E 6	25	12	7.7	15	4B	10	18.20
607914	E 7	25	12	8.3	15	4B	10	18.20
607915	E 8	25	12	10.1	15	4B	10	18.36
607916	E 10	25	12	11.3	15	4B	10	18.36
607917	E 11	25	12	12.9	15	4B	10	18.69

188.1/1ABI

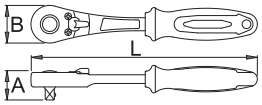
Antrenor cu clichet reversibil 1/4"

1/4"

- *material: compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*
- *cu 40 de dinti*
- *unghi de lucru: 9°*
- *sistem de blocare de securitate*
- *capul tubular este eliberat din clichet printr-o simpla apasare pe buton*



UNIOR



		L	A	B				
611901	1/4"	157	24.5	25	111	4B	10	183.93

188.11

Parti componente pentru 188.1/1ABI si 188.1/1FBI



UNIOR

612503	1/4"	11	30	1E	1	107.07

188.2/2BI

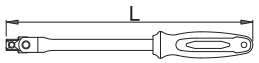
Antrenor articulat cu maner

1/4"

- *material: crom vanadiu*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*



UNIOR



		L				
611902	1/4"	150	81	4B	10	80.66

188.3/2

Antrenor cu parghie glisanta 1/4"

1/4"

- *material: crom vanadiu*
- *tratament termic total*
- *suprafata:cromata in concordanta cu standardul EN 12540*
- *executie in concordanta cu standardul ISO 3315*



UNIOR

		L	A	D1	D2				
600830	1/4"	120	24	7	14	47	4A	10	39.67

188.4/2

Prelungitor 1/4"

1/4" 1/4"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *produs in conformitate cu standardul ISO 3316*



UNIOR

		L	D1	D2				
600826	1/4"	55	8	12	18	4B	10	32.95
625393	1/4"	100	8	12	40	4B	10	45.25
600827	1/4"	150	8	12	50	4B	10	41.15

188.4/2F

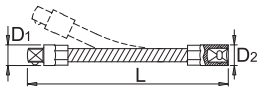
Prelungitor flexibil 1/4"

1/4" 1/4"

- *material: crom vanadiu*
- *capul cheii este tratat in intregime*
- *acoperire cromare conform EN12540*



UNIOR



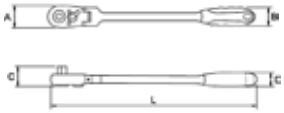
		L	D1	D2				
612868	1/4"	150	8.3	12	56	4B	10	35.90

57411 NOU

Antrenor cu clichet reversibil 1/4"

- *DIN 3122*





EGA Master ART IN INNOVATION

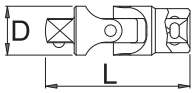
		L	A	B	C	D				
57411	1/2"	160	22	21	23	17	120	1E	6	470.63

188.6/2

Intermediar cardanic 1/4"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *produs in conformitate cu standardul ISO 3316*





UNIOR

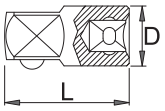
	■	L	D				
607821	1/4"	41	14	35	4B	10	39.34

188.7/2

Adaptor 1/4"-3/8"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *produs in conformitate cu standardul ISO 3316*





UNIOR

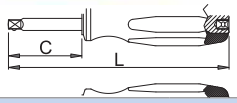
		L	D				
607976	1/4" - 3/8"	35	12	23	4B	10	18.03

188.8

Surubelnita cu patrat de 1/4"

- *material: tija - crom vanadiu tratata complet*
- *maner - polipropilena*
- *executie in concordanta cu standardul ISO 3315*





UNIOR

	■	L	C				
607349	1/4"	150	50	97	4A	10	57.70

188.9

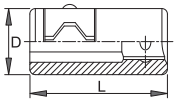
Adaptor pentru bit

- *material: otel carbon de scule*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*

Utilizare

- *pentru bituri E6, 3 C6, 3*





UNIOR

		L	D				
612867	1/4" - 1/4"	25	12	18	4B	10	18.03

188H

Suport metalic pentru capete chei tubulare 1/4"

- *dimensiune 165 - pentru set de 10 piese 4-13, numarul maxim de cleme 13*
- *dimensiunea 205 - 10 piese in set aceiasi dimensiune (14), numarul maxim de cleme 17*



UNIOR

	L				
619088	165	43	1E	10	10.66
619235	205	53	1E	10	11.15

188H1

Set de 10 cleme pentru 188 H



UNIOR

619410	11	1E	1	6.89

188H6P12

Set de capete chei tubulare 1/4" pe sina



UNIOR

	№					
622628	188H6P12	4 - 13 / 12	250	1E	1	133.61

188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **188H** (205)

188H6LP9

Set de capete chei tubulare varianta lunga 1/4", pe sina



UNIOR

	№					
622629	188H6LP9	4 - 13 / 9	300	1E	1	137.54

188/2L6p (4, 5, 6, 7, 8, 9, 10, 12, 13), **188H** (205)

188H6P11 NOU

Set de capete chei tubulare 1/4" pe sina

- *material: otel premium flex crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform ISO 1456:2009*
- *realizat conform standardului ISO 2725-1*



№					
629699	188H6P11	4 - 14 / 11	250	1E	1	132.79

188/2 6p (4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14), **188H** (205)

187HTXP8 NOU

Set de capete chei tubulare TORX 1/4" pe sina

- *material: otel premium flex crom vanadiu*
- *forjata, calire si revenire totala*
- *material (bit): otel carbon*



№					
629696	187HTXP8	TX8 - TX40 / 9	1000	1E	1	132.79

187/2TX (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40); **188H** (165)

187HHXP6 NOU

Set de capete chei tubulare HEX 1/4" pe sina

- *material: otel premium flex crom vanadiu*
- *forjata, calire si revenire totala*
- *material (bit): otel carbon*
- *acoperire cromare conform ISO 1456:2009*
- *realizat conform standardului DIN 7422*



№					
629697	187HHXP6	HX 2,5 - 7 / 6	130	1E	1	94.75

187/2HX (2,5, 3, 4, 5, 6, 7); **188H** (165)

188BI

Trusa capete chei tubulare 1/4" in cutie metalica

- *dimensiunea cutiei : 197 x 105 x 38 mm*



№					
611996	4 - 13 / 16	897	1G	1	590.33

188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4" x 55, 1/4" x 150)

188BI12P16

Trusa capete chei tubulare si accesorii 1/4" in cutie metalica

- *dimensiunea cutiei : 197 x 105 x 38 mm*



№					
617118	4 - 13 / 16	871	1G	1	586.56

188/2 12p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.4/2** (1/4"x55, 1/4"x150), **188.3/2** (1/4"), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4")

188BI6P36

Trusa de capete chei tubulare si biti 1/4"

- *dimensiunea cutiei : 244 x 207 x 59 mm*



№					
621407	36	813	1G	1	744.26

188/2 6p (5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), **6469C6,3** (3, 4, 5, 6), **6466C6,3** (PZ 1, PZ 2, PZ 3), **6463C6,3** (PH 1, PH 2, PH 3), **6460C6,3** (0.6 x 4.5, 1.2 x 6.5, 1.2 x 8.0), **6472C6,3** (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **188.1/1ABI** (1/4"), **188.4/2** (1/4" x 55, 1/4" x 150), **188.6/2** (1/4"), **188.9** (1/4" - 1/4"), **188.8** (1/4")

188BI12P16INCH

Trusa capete chei tubulare 1/4" in cutie metalica

- *dimensiunea cutiei : 197 x 105 x 38 mm*



619414	3/16" - 9/16" / 16	861	1G	1	**595.25**

188.1/1ABI (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4" x 55, 1/4" x 150), **188/2 12p** (3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 9/16")

188BI6P16INCH

Trusa capete chei tubulare 1/4" in cutie metalica

- *dimensiunea cutiei : 197 x 105 x 38 mm*



619413	3/16" - 9/16" / 16	920	1G	1	**595.25**

188.1/1ABI (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4" x 55, 1/4" x 150), **188/2 6p** (3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 9/16")

188B

Trusa capete chei tubulare 1/4" in cutie metalica

- *dimensiunea cutiei : 321 x 198 x 54 mm*



615150	44	1990	1G	1	**1064.92**

188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14) **188.1/1ABI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4" x 55, 1/4" x 150), **188.6/2** (1/4"), **187/2PH** (PH 1, PH 2, PH 3); **187/2SL** (0.8 x 4, 1 x 5.5, 1.2 x 7), **187/2HX** (3, 4, 5, 6, 7); **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40) **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11)

188C

Trusa capete chei tubulare 1/4" in cutie metalica

- *dimensiunea cutiei : 321 x 198 x 54 mm*



615151	33	1850	1G	1	**897.21**

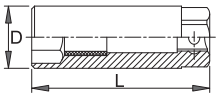
188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), **188.1/1ABI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4" x 55, 1/4" x 150), **188.6/2** (1/4"), **187/2PH** (PH 1, PH 2, PH 3); **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 25, TX 27, TX 30, TX 40)

186.4/2

Cheie de bujii cu patrat de 3/8"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





603193	16	22	63	19	68	4B	10	**26.39**
620820	18	24.7	63	22	68	4B	10	**28.36**
603192	19	26	63	22	68	4B	10	**30.82**
600776	21	27	66	19	68	4B	10	**49.02**

186.4/2A

Cheie de bujii 3/8"

- *material: crom molibden*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*



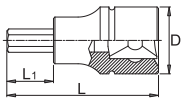
622513	14	18	63	17	58	4B	10	**53.28**

236/2HX

Capete chei tubulare cu profil hexagonal exterior 3/8"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*
- *conform cu standardul DIN 7422 (doar pentru dimensiunile in mm)*





UNIOR

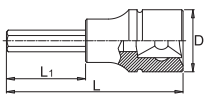
	⬢	L	L1	D				
612082	4	48	22	18	39	4B	10	36.39
612083	5	48	22	18	39	4B	10	36.39
612084	6	48	22	18	41	4B	10	36.39
612085	8	48	22	18	45	4B	10	36.39
612086	10	48	22	18	56	4B	10	38.20
617662	1/8"	48	22	18	39	4B	10	35.25
617663	9/64"	48	22	18	39	4B	10	35.25
617664	5/32"	48	22	18	39	4B	10	35.25
617665	3/16"	48	22	18	39	4B	10	35.25
617666	7/32"	48	22	18	41	4B	10	35.25
617667	1/4"	48	22	18	41	4B	10	35.25
617668	5/16"	48	22	18	45	4B	10	35.25
617669	3/8"	48	22	18	56	4B	10	37.05

236/2HXL

Capete chei tubulare cu profil hexagonal exterior lungi 3/8"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*
- *conform cu standardul DIN 7422 (doar pentru dimensiunile in mm)*





UNIOR

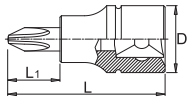
	⬢	L	L1	D				
612087	4	92	66	18	65	4B	10	42.95
612088	5	92	66	18	65	4B	10	42.95
612089	6	92	66	18	65	4B	10	42.95
612090	8	92	66	18	65	4B	10	42.95
612091	10	92	66	18	65	4B	10	45.25

236/2PH

Capete chei tubulare cu profil Phillips 3/8"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

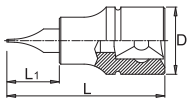
	+	D	L	L1				
612093	PH 2	18	48	22	39	4B	10	49.18
612094	PH 3	18	48	22	39	4B	10	49.18

236/2SL

Capete chei tubulare cu profil de surubelnita exterior 3/8"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

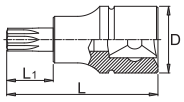
	—	D	L	L1				
612098	5.5	18	48	22	42	4B	10	56.39
612099	8	18	48	22	45	4B	10	56.39

236/2TX

Capete chei tubulare cu profil TORX exterior 3/8"

- *material: capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit:otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

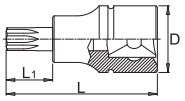
	✸	D	L	L1				
612101	TX 15	18	48	22	39	4B	10	48.52
612102	TX 20	18	48	22	39	4B	10	48.52
612103	TX 25	18	48	22	39	4B	10	48.52
612104	TX 27	18	48	22	39	4B	10	50.66
612105	TX 30	18	48	22	39	4B	10	50.66
612106	TX 40	18	48	22	40	4B	10	53.11

236/2ZX

Capete chei tubulare cu profil ZX exterior 3/8"

- *material: capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit:otel special de scule*
- *capul cheii este tratat in intregime*
- *in conformitate cu standardul DIN 2324*





UNIOR

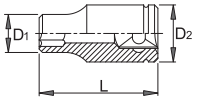
		L	L1	D				
612113	M5	48	22	18	37	4B	10	56.39
612114	M6	48	22	18	39	4B	10	56.39
612115	M8	48	22	18	46	4B	10	56.39

237/1

Capete chei tubulare cu profil TX interior 3/8"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





UNIOR

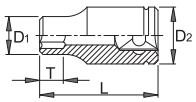
		L	L1	D2	D1				
612121	E 8	28	11	16.8	12	30	4B	10	29.51
612122	E 10	28	11	16.8	13.5	32	4B	10	29.51
612123	E 11	28	11	16.8	14	30	4B	10	29.51
612124	E 12	28	11	16.8	15	32	4B	10	29.51
612125	E 14	28	11	17.8	17	37	4B	10	29.51
612126	E 16	28	11	19.8	19	45	4B	10	29.51

238/1 6p

Capete chei tubulare 3/8"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

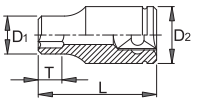
		L	D1	D2	T				
605322	6	28	9.9	16.9	4	28	4B	10	15.08
605323	7	28	10.6	16.9	4	28	4B	10	15.08
605324	8	28	11.8	16.9	5	28	4B	10	15.08
605325	9	28	13.2	16.9	5	29	4B	10	15.08
605326	10	28	14.5	16.9	6	29	4B	10	15.08
605327	11	28	15.7	16.9	7	30	4B	10	15.08
605328	12	28	16.9	16.9	8	31	4B	10	15.08
605329	13	28	17.9	17.9	8	35	4B	10	15.08
605330	14	28	19.6	19.6	10	41	4B	10	16.39
605331	15	28	21	21	10	44	4B	10	19.02
605332	16	30	21.8	21.8	10	52	4B	10	19.34
605333	17	30	23.4	23.4	10	57	4B	10	21.48
605334	18	30	24.7	21	12	57	4B	10	21.48
605335	19	30	25.8	23	12	59	4B	10	21.48
605336	20	32	27.1	24	12	73	4B	10	24.43
605337	21	32	27.8	25	12	73	4B	10	25.08
605338	22	32	29.5	26	14	88	4B	10	26.89

238/1 12p

Capete chei tubulare 3/8" cu 12 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

		L	D1	D2	T				
617122	6	28	10.6	16.9	4	28	4B	10	15.08
616905	7	28	10.6	16.9	4	28	4B	10	15.08
616906	8	28	11.8	16.9	5	29	4B	10	15.08
616907	9	28	13.2	16.9	5	29	4B	10	15.08
616908	10	28	14.5	16.9	6	30	4B	10	15.08
616909	11	28	15.7	16.9	7	29	4B	10	15.08
616910	12	28	16.9	16.9	8	28	4B	10	15.08
616911	13	28	17.9	17.9	8	32	4B	10	15.08
616912	14	28	19.6	19.6	10	39	4B	10	16.39
616913	15	28	21	21	10	46	4B	10	19.02
616914	16	30	21.8	21.8	10	48	4B	10	19.34
616915	17	30	23.4	23.4	10	49	4B	10	21.48
616916	18	30	24.7	21	12	65	4B	10	21.48
616917	19	30	25.8	23	12	73	4B	10	21.48
616918	20	32	27.1	24	12	86	4B	10	24.43
616919	21	32	27.8	25	12	88	4B	10	25.08
616920	22	32	29.5	26	14	105	4B	10	26.89
616921	23	32	31.5	27	14	120	4B	10	29.18
616922	24	32	31.8	28	14	112	4B	10	39.51
616923	1/4"	28	10.2	16.7	8	28	4B	10	12.46
616924	5/16"	28	11.8	16.7	8	29	4B	10	12.46
616925	3/8"	28	14.5	16.7	8	30	4B	10	12.46

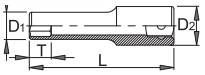
		L	D1	D2	T				
616926	7/16"	28	15.7	16.7	8	29	4B	10	**12.46**
616927	1/2"	28	15.7	17.7	8	32	4B	10	**12.46**
616928	9/16"	28	15.7	19.5	12	39	4B	10	**14.10**
616929	5/8"	30	15.7	21.7	12	48	4B	10	**15.41**
616930	11/16"	30	15.7	23.3	12	59	4B	10	**17.38**
616931	3/4"	30	25.7	23	14	73	4B	10	**23.44**
616932	13/16"	32	27.7	25	14	88	4B	10	**30.82**
616933	7/8"	32	29.5	26	14	105	4B	10	**33.93**
616934	15/16"	32	31.7	28	14	112	4B	10	**35.90**
616935	1"	32	33.7	30	14	132	4B	10	**46.72**

238/1L6p

Capete chei tubulare 3/8", varianta lunga

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

		L	D1	D2	T				
612036	8	63	11.8	16.8	9	55	4B	10	**30.33**
612037	9	63	13.2	16.8	9	58	4B	10	**30.33**
612038	10	63	14.5	16.8	9	61	4B	10	**30.82**
612039	11	63	15.7	16.8	12	67	4B	10	**30.82**
612040	12	63	16.8	16	12	75	4B	10	**30.82**
612041	13	63	17.8	16.5	12	81	4B	10	**30.82**
612042	14	63	19.55	17	15	91	4B	10	**30.82**
612043	15	63	20.75	18	15	117	4B	10	**31.31**
612044	16	63	21.75	19	15	107	4B	10	**32.30**
612045	17	63	23.3	20	15	128	4B	10	**33.77**
612046	18	63	24.5	21	18	112	4B	10	**38.69**
612047	19	63	25.7	23	18	147	4B	10	**40.16**
612048	20	63	27	24	18	157	4B	10	**41.15**
612049	21	63	27.7	25	18	165	4B	10	**42.46**
612050	22	63	29.5	26	21	200	4B	10	**46.39**



11501420002

Cap tubular universal 3/8" cu pini

3/8"

- *cap tubular universala de la 7 la 19 mm - 1x antrenor cu clichet de 3/8" + 1x prelungitor hexagonal de 6,35 mm pentru cap tubular de 3/8"*
- *instrumentul de montaj universal pentru inlocuirea cheilor, clestilor si capetelor tubulare traditionale.*
- *54 de ace retractabile*
- *antrenor cu clichet 3/8"*
- *arc de revenire*
- *mai multe tipuri de cap de șurub*
- *diametrul exterior: 24.5 mm*
- *cuplu maxim: 100 Nm*
- *lungime cap: 50.8 mm*
- *greutate: 114 g*
- *adancime maxima: 9.5 mm*



TIVOLY

DIN 3126

7mm 19mm

		A	
11501420002	3/8"	30	**297.96**

238.5/2

Antrenor cotit 3/8"

3/8"

- *material: crom vanadiu*
- *tratament termic total*
- *acoperire cromare conform EN12540*
- *executie in concordanta cu standardul ISO 3315*



UNIOR

		L1	L2	D				
611962	3/8"	200	45	10	145	4A	10	**47.38**

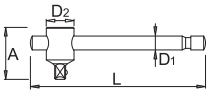
238.3/1

Antrenor cu parghie glisanta 3/8"

3/8"

- *material: crom vanadiu*
- *tratament termic total*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *executie in concordanta cu standardul ISO 3315*





UNIOR

	■	L	A	D1	D2				
605341	3/8"	165	34	10.4	19	149	4A	10	**51.97**

238.11

Parti componente pentru 238.1A BI



UNIOR

612505	8	66	1E	1	**106.89**

238.4/2

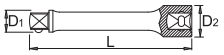
Prelungitor 3/8"

3/8"

3/8"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *conform cu standardul ISO 3316*





UNIOR

	■	L	D1	D2				
600777	3/8"	45	12.5	18	48	4B	10	**29.51**
600778	3/8"	75	12.5	18	76	4B	10	**44.26**

238.4/1

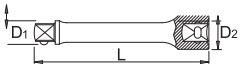
Prelungitor lung 3/8"

3/8"

3/8"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *conform cu standardul ISO 3316*





UNIOR

	■	L	D1	D2				
605343	3/8"	125	12.5	18	121	4B	10	**53.28**
605342	3/8"	250	12.5	18	233	4B	10	**60.82**

238.4/1S

Prelungitor lung cu cap sferic 3/8"

9°

3/8"

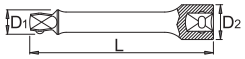
3/8"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*

Avantaje:

- *forma capului sferic permite lucrul la un unghi de 9°*





UNIOR

	■	L	D1	D2				
610913	3/8"	125	12.5	18	120	4B	10	**41.31**

238.6/1

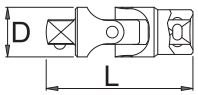
Intermediar cardanic 3/8"

3/8"

3/8"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *conform cu standardul ISO 3316*





UNIOR

	■	L	D				
605344	3/8"	54	19	72	4B	10	**46.89**

238.7/2

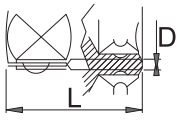
Adaptor 3/8"

3/8"

1/2"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *condorm cu standardul ISO 3316*





UNIOR

		D	L				
605345	3/8" - 1/2"	17	38	38	4B	10	**18.69**
607977	3/8" - 1/4"	18	32	38	4B	10	**14.92**



238.1/1ABI

Antrenor cu clichet reversibil 3/8"

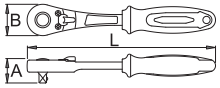
3/8"

- *material: compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*

Avantaje:

- *75 de dinti*
- *unghi de lucru: 4,8°*
- *sistem de blocare de securitate*
- *capul tubular este eliberat din clichet printr-o simpla apasare pe buton*





UNIOR

	■	L	A	B				
612501	3/8"	200	30	35	239	4B	10	225.74

238.1/1FBI

Antrenor cu clichet reversibil articulat 3/8"

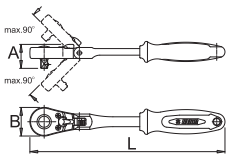
3/8"

- *material: compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*

Avantaje:

- *75 de dinti*
- *unghi de lucru: 4,8°*
- *antrenorul articulat permite lucrul cu o inclinare a mainii pana la max 90° cu un unghi de inclinare de 22,5°*
- *sistem de blocare de securitate*
- *capul tubular este eliberat din clichet printr-o simpla apasare pe buton*





UNIOR

	■	L	A	B				
618368	3/8"	260	30	35	322	4B	10	330.66

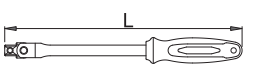
238.2/1BI

Antrenor articulat cu maner bimaterial 3/8"

3/8"

- *material: crom molibden*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*





UNIOR

	■	L				
612502	3/8"	210	188	4B	10	92.79

239A

Trusa capete chei tubulare 3/8" in cutie metalica

3/8" 3/8"

- *dimensiunea cutiei : 321 x 198 x 54 mm*



UNIOR

612509	6 - 22 / 24	2935	1G	1	1086.89

238/1 6p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22),
238.3/1 (3/8"), **238.4/1** (3/8" x 250, 3/8" x 125),
238.6/1 (3/8"), **238.1/1ABI** (3/8"),
238.2/1BI (3/8"), **238.7/2** (3/8" - 1/2")

239A12P24

Trusa capete chei tubulare si accesorii 3/8" in cutie metalica

3/8" 3/8"

- *dimensiunea cutiei : 321 x 198 x 54 mm*



UNIOR

617117	6 - 22 / 24	2920	1G	1	1086.89

238/1 12p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22),
238.3/1 (3/8"), **238.4/1** (3/8" x 250, 3/8" x 125),
238.6/1 (3/8"), **238.1/1ABI** (3/8"),
238.2/1BI (3/8"), **238.7/2** (3/8" - 1/2")

238H

Suport pentru capete chei tubulare 3/8"

3/8"

- *dimensiunea 260 - pentru set de 10 piese de la 6-22,numarul maxim de cleme 15*
- *dimensiunea 345 - 10 piese de aceiasi dimensiune (22), numarul maxim de cleme 20*



UNIOR

	L				
619089	260	69	1E	10	13.61
619236	345	84	1E	10	12.46

238H1

Set de 10 cleme pentru art. 238H

3/8"



UNIOR

619411	16	1E	1	7.70



239C

Trusa capete chei tubulare 3/8" in cutie metalica

- *dimensiunea cutiei : 321 x 198 x 54 mm*



613072	30	2930	1G	1	1334.26

238/1 6p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22),
238.3/1 (3/8"), **238.4/1** (3/8" x 250, 3/8" x 125),
238.6/1 (3/8"), **236/2HX** (4, 5, 6, 8), **236/2PH** (PH 2, PH 3),
236/2SL (5.5, 8), **238.1/1ABI** (3/8")

239D

Trusa capete chei tubulare 3/8" in cutie metalica

- *dimensiunea cutiei : 321 x 198 x 54 mm*



613073	30	3190	1G	1	1354.59

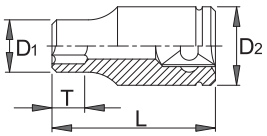
238/1 6p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19),
238.3/1 (3/8"), **238.4/1** (3/8" x 250, 3/8" x 125),
238.6/1 (3/8"), **238.5/2** (3/8"), **236/2HX** (4, 5, 6, 8, 10),
236/2HXL (4, 5, 6, 8, 10), **238.1/1ABI** (3/8")

190/1 6p

Capete chei tubulare 1/2"

- *material: crom molibden*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





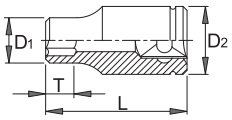
		L	D1	D2	T				
605307	8	38	13.2	22.9	12	55	4B	10	21.48
610155	9	38	13.9	22.9	12	55	4B	10	22.46
600851	10	38	15	22.9	12	55	4B	10	22.46
600852	11	38	16.3	22.9	12	55	4B	10	22.46
600853	12	38	17.9	22.9	12	65	4B	10	22.46
600854	13	38	18.8	22.9	12	65	4B	10	22.46
600855	14	38	19.7	22.9	12	65	4B	10	22.46
600856	15	38	20.4	22.9	12	65	4B	10	22.46
600857	16	38	22.9	21.5	12	85	4B	10	22.46
600858	17	38	24.3	22	12	95	4B	10	29.02
600859	18	38	25.5	23	12	100	4B	10	29.02
600860	19	38	26.8	24	14	105	4B	10	29.02
600861	20	38	28.1	24	14	115	4B	10	30.16
600862	21	38	29.3	25	14	128	4B	10	30.16
600863	22	38	30.4	25	14	142	4B	10	30.66
600864	23	40	31.7	26	14	147	4B	10	34.10
600865	24	42	33.1	28	16	165	4B	10	34.10
600866	25	42	34.2	29	16	126	4B	10	34.10
600867	26	42	35.3	30	16	126	4B	10	34.59
600868	27	43	37	30	18	180	4B	10	37.54
600869	28	43	38	31	20	185	4B	10	37.54
610156	29	43	39	32	20	185	4B	10	38.85
600871	30	46	40.7	34	22	195	4B	10	41.97
600872	32	46	43.2	36	22	237	4B	10	41.97
610106	3/8"	38	15	22.9	12	55		10	24.26
610108	1/2"	38	18.8	22.9	12	65		10	24.26
610109	9/16"	38	20.4	22.9	12	65		10	24.26
610111	11/16"	38	25.5	23	12	95		10	30.98
610112	3/4"	38	26.8	24	14	105		10	30.98
610115	15/16"	42	33.1	28	16	165		10	36.72
610116	1"	42	35.3	30	16	126		10	37.38
610117	1.1/16"	43	37	30	18	180		10	40.33
610118	1.1/8"	43	39	32	20	185		10	40.33
610119	1.3/16"	46	40.7	34	22	237		10	43.61
610120	1.1/4"	46	43.2	36	22	55		10	43.61

190/1 12p

Capete chei tubulare 1/2" cu 12 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

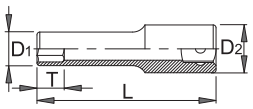
		D1	D2	L	T				
603812	10	15	22.9	38	12	55	4B	10	22.46
603813	11	16.3	22.9	38	12	55	4B	10	22.46
603814	12	17.9	22.9	38	12	65	4B	10	22.46
603815	13	18.8	22.9	38	12	65	4B	10	22.46
603816	14	19.7	22.9	38	12	65	4B	10	22.46
603817	15	20.4	22.9	38	12	65	4B	10	22.46
603818	16	22.9	21.5	38	12	65	4B	10	22.46
603819	17	24.3	22	38	12	65	4B	10	29.02
603820	18	25.5	23	38	12	100	4B	10	29.02
603821	19	26.8	24	38	14	105	4B	10	29.02
603822	20	28.1	24	38	14	115	4B	10	30.16
603823	21	29.3	25	38	14	128	4B	10	30.16
603824	22	30.4	25	38	14	142	4B	10	30.66
603825	23	31.7	26	40	14	147	4B	10	34.10
603826	24	33.1	28	42	16	165	4B	10	34.10
603827	27	37	30	43	18	180	4B	10	37.54
603828	30	40.7	34	46	22	195	4B	10	41.97
603829	32	43.2	36	46	22	237	4B	10	41.97
621722	36	48	42	46	22	245	4B	10	64.43
609366	3/8"	15	22.9	38	12	55	4B	10	24.92
609367	7/16"	16.3	22.9	38	12	55	4B	10	24.92
609368	1/2"	18.8	22.9	38	12	65	4B	10	26.72
609369	9/16"	20.4	22.9	38	12	65	4B	10	26.72
609370	19/32"	20.4	20.7	38	12	65	4B	10	27.70
609371	5/8"	22.9	21.5	38	12	65	4B	10	27.70
609372	11/16"	25.5	23	38	12	65	4B	10	27.70
609373	3/4"	26.8	24	38	14	105	4B	10	30.98
609374	25/32"	27.9	24	38	14	115	4B	10	37.05
609375	13/16"	29.3	25	38	14	128	4B	10	37.05
609376	7/8"	31.7	26	40	14	142	4B	10	33.28
609377	15/16"	33.1	28	42	16	165	4B	10	35.90
609378	1"	35.3	30	42	16	170	4B	10	37.54
609379	1.1/16"	37	30	43	18	180	4B	10	40.82
609380	1.1/8"	39	32	43	20	190	4B	10	45.25
609381	1.3/16"	40.7	34	46	22	195	4B	10	48.20
609382	1.1/4"	43.2	36	46	22	237	4B	10	50.49

190/1L12p

Capete chei tubulare varianta lunga 1/2" cu 12 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

		D1	D2	L	T				
610762	10	15	22	77	12	85	4B	5	47.87
610763	11	16.3	22	77	12	110	4B	5	47.87
610764	12	17.6	22	77	12	100	4B	5	47.87
610765	13	18.8	22	77	12	107	4B	5	47.87
610766	14	20.4	22	77	15	112	4B	5	47.87
610767	15	21.6	20.7	77	15	107	4B	5	47.87
610768	16	22.9	21.5	77	15	121	4B	5	47.87
610769	17	24	22	77	15	130	4B	5	49.34
610770	18	25.4	23	77	18	150	4B	5	49.34
610771	19	26	21	77	18	140	4B	5	49.34
610772	20	27.9	24	77	18	176	4B	5	51.31
610773	21	28	25	77	18	166	4B	5	51.31
610774	22	30	26	77	21	197	4B	5	52.30
610775	23	31.6	27	77	21	226	4B	5	58.20
610776	24	32	28	77	24	223	4B	5	58.20
610777	27	36	30	77	27	277	4B	5	78.36
610778	30	40	34	77	30	317	4B	5	84.59
610779	32	42	36	77	33	335	4B	5	84.59

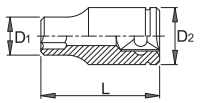


191/1

Capete chei tubulare cu profil TX interior 1/2"

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*





UNIOR

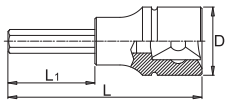
		D2	D1	L				
607141	E 10	22	14	38	58	4B	10	35.41
607142	E 11	22	15	38	52	4B	10	35.41
607143	E 12	22	15	38	55	4B	10	35.41
607144	E 14	22	17	38	57	4B	10	35.41
607145	E 16	22	19	38	62	4B	10	35.41
607146	E 18	22	21	38	78	4B	10	37.70
607147	E 20	26	23	40	95	4B	10	39.84
607148	E 22	26	25.3	40	105	4B	10	41.97
607149	E 24	28	27.3	40	119	4B	10	45.57

192/2HXL

Capete chei tubulare cu profil hexagonal exterior lungi 1/2"

- *material: capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit:otel special de scule*
- *capul cheii este tratat in intregime*
- *produs conform standardului DIN 7422 (doar pentru dimensiunile in mm)*





UNIOR

		D	L	L1				
603380	5	22.9	100	64	67	4B	10	36.07
603381	6	22.9	100	64	67	4B	10	36.07
603383	7	22.9	100	64	67	4B	10	37.21
603384	8	22.9	100	64	67	4B	10	37.21
603386	10	22.9	100	64	117	4B	10	38.69
603455	12	22.9	100	64	139	4B	10	38.69

191MB1

Trusa capete chei tubulare cu profil TX interior 1/2" in cutie metalica

- *Dimensiunea cutiei : 197 x 105 x 38*



UNIOR

607314	9	1000	1G	1	436.56

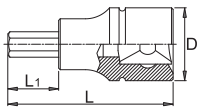
191/1 (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24)

192/2HX

Capete chei tubulare cu profil hexagonal exterior 1/2"

- *material: capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit:otel special de scule*
- *capul cheii este tratat in intregime*
- *dimensiunile 17,19,22, 24 sunt utilizate pentru schimbarea și montarea roților fata*
- *produs conform standardului DIN 7422 (doar pentru dimensiunile in mm)*





UNIOR

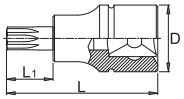
		D	L	L1				
600978	4	23	60	24	60	4B	10	30.49
603420	5	23	60	24	60	4B	10	30.49
603421	6	23	60	24	60	4B	10	30.49
603422	7	23	60	24	75	4B	10	31.31
603423	8	23	60	24	81	4B	10	31.31
605923	9	23	60	24	85	4B	10	32.46
603424	10	23	60	24	95	4B	10	32.46
603425	12	23	60	24	116	4B	10	33.44
624033	13	23	60	24	100	4B	10	41.80
603427	17	24	60	20	187	4B	10	47.54
603428	19	26.5	60	20	195	4B	10	50.49

192/2TX

Capete chei tubulare cu profil TX exterior 1/2"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

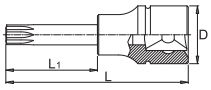
		D	L	L1				
605562	TX 20	22.9	52	16	71	4B	10	41.80
605563	TX 25	22.9	52	16	73	4B	10	41.80
605564	TX 27	22.9	52	16	73	4B	10	41.80
605565	TX 30	22.9	52	16	75	4B	10	42.46
605566	TX 40	22.9	52	16	77	4B	10	45.25
605567	TX 45	22.9	52	16	78	4B	10	45.25
605568	TX 50	22.9	52	16	80	4B	10	46.89
605569	TX 55	22.9	57	21	85	4B	10	56.07
605570	TX 60	22.9	57	21	96	4B	10	56.07

192/2TXL

Capete chei tubulare cu profil TX exterior lungi 1/2"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

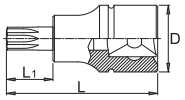
		D	L	L1				
612422	TX 20	22.9	100	64	76	4B	10	51.64
612423	TX 25	22.9	100	64	86	4B	10	51.64
612424	TX 27	22.9	100	64	86	4B	10	51.64
612425	TX 30	22.9	100	64	86	4B	10	51.97
612426	TX 40	22.9	100	64	90	4B	10	55.90
612427	TX 45	22.9	100	64	92	4B	10	55.90
612428	TX 50	22.9	100	64	94	4B	10	58.20
612429	TX 55	22.9	100	64	100	4B	10	69.67
612430	TX 60	22.9	100	64	110	4B	10	69.67
619857	TX 60	22.9	100	64	110	4B	10	69.67

192/2ZX

Capete chei tubulare cu profil ZX exterior 1/2"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

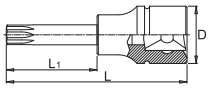
		D	L	L1				
612165	M 5	22.9	52	16	72	4B	10	42.13
612166	M 6	22.9	52	16	70	4B	10	42.13
612167	M 8	22.9	52	16	80	4B	10	42.13
612168	M 10	22.9	57	21	84	4B	10	46.07
612169	M 12	22.9	57	21	90	4B	10	46.07
612170	M 14	22.9	57	21	97	4B	10	50.49
620257	M 16	22.9	57	21	155	4B	10	54.75

192/2ZXL

Capete chei tubulare cu profil ZX exterior lungi 1/2"

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

		D	L	L1				
612171	M 6	22.9	100	64	85	4B	10	48.20
612172	M 8	22.9	100	64	91	4B	10	48.20
612173	M 10	22.9	100	64	110	4B	10	51.31
612174	M 12	22.9	100	64	123	4B	10	54.10
619845	M 14	22.9	100	64	143	4B	10	54.43
620258	M 16	22.9	100	64	235	4B	10	59.34



192/14INCH

Trusa capete chei tubulare cu profil hexagonal 1/2" in cutie metalica

- *dimensiunea cutiei : 197 x 105 x 38 mm*



621759	3/16" - 3/4" / 9	1250	1G	1	378.85

192/2HX (3/16", 7/32", 1/4", 5/16", 3/8", 1/2", 9/16", 5/8", 3/4")

192/15

Trusa de capete chei tubulare cu profil ZX 1/2" in cutie de plastic

- *dimensiunea cutiei : 197 x 167 x 35 mm*



617125	10	1030	1G	1	539.84

192/2ZX (M 5, M 6, M 8, M 10, M 12, M 14), 192/2ZXL (M 6, M 8, M 10, M 12)

192/16

Trusa de capete chei tubulare cu profil hexagonal lungi 1/2" in cutie de plastic

- *dimensiunea cutiei : 197 x 167 x 35 mm*



619416	5 - 100 / 7	893	1G	1	362.13

192/2HXL (5 x 100, 6 x 100, 7 x 100, 8 x 100, 10 x 100, 12 x 100, 14 x 100)

192/17

Trusa de capete chei tubulare cu profil TX 1/2" in cutie de plastic

- *dimensiunea cutiei : 197 x 167 x 35 mm*



619417	TX 20 - TX 50 / 7	752	1G	1	470.33

192/2TXL (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50)

192/14

Trusa capete chei tubulare cu profil hexagonal 1/2" in cutie metalica

- *dimensiunea cutiei : 197 x 105 x 38 mm*



607064	9	1170	1G	1	407.70

192/2HX (5, 6, 7, 8, 9, 10, 12, 14, 17)

192/12

Trusa capete chei tubulare cu profil TX 1/2" in cutie metalica

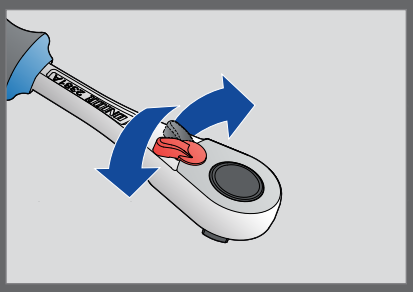
- *Dimensiunea cutiei : 197 x 105 x 38 mm*



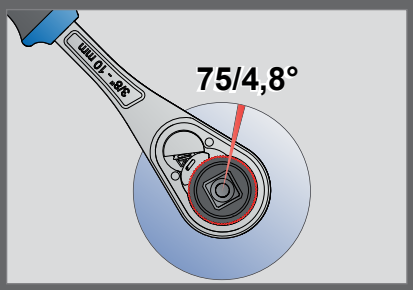
603657	9	1010	1G	1	515.41

192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60)

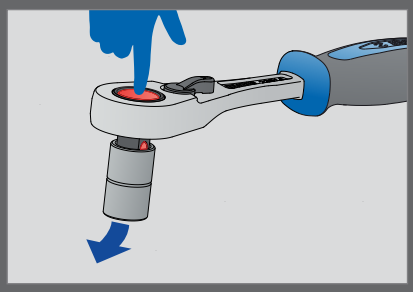
190.1/1ABI, 190.1/1FBI



Clichet: lucreaza in ambele sensuri, sensul de rotatie se schimba din buton.



75 de dinti. Cu cat mai multi dinti, cu atat mai mare este unghiul de rotatie, ceea ce inseamna ca poate fi folosit in spatii extrem de inguste. Mai multi dinti si un mecanism imbunatatit duce de asemenea la rezistenta cheii cu clichet, care depaseste standard-ul DIN prescris cu mai mult de 30%.



Sistem de blocare de securitate.
Sistemul de blocare previne capul tubular sa iasa din cheie.

190.1/1ABI

Antrenor cu clichet reversibil 1/2"

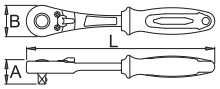
1/2"

- *material: compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*

Avantaje:

- *75 de dinti*
- *unghi de lucru: 4,8°*
- *sistem de blocare de securitate*
- *capul tubular este eliberat din clichet printr-o simpla apasare pe buton*





UNIOR

		L	A	B				
611782	1/2"	260	36	45	423	4B	10	246.72

190.1/1LG

Antrenor cu clichet reversibil 1/2" 700 Nm

1/2"

- *acest antrenor cu clichet se distinge printr-o rezistenta exceptionala care depaseste puterea mainii umane, atunci cand desurubam sau strangem*
- *clichetul suporta cuplu pana la 700Nm*
- *aceasta se realizeaza cu un mecanism rezistent cu 24 de dinti si un maner lung*
- *clichetul poate fi utilizat pentru a desface sau strange suruburi la cuplu maxim*
- *datorita rezistentei de exceptie poate fi folosit la desfacerea suruburilor foarte stranse de la rotile de autovehicule.*
- *material: otel crom - vanadiu*
- *corp forjat la cald*
- *finisare: cromare conform standard ISO 1456:2009*





UNIOR

		L	A	B				
627200	1/2"	465	37.5	47	1240	4B	10	415.41

190.1/1FBI

Antrenor cu clichet reversibil 1/2"

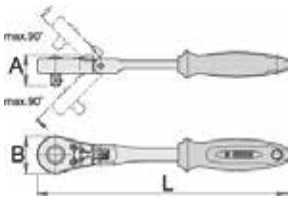
1/2"

- *material: compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*

Avantaje:

- *75 de dinti*
- *unghi de lucru: 4,8°*
- *clichetul flexibil permite lucrul cu inclinarea manerului de pana la 90°, in trepte de 22,5°*
- *sistem de blocare de securitate*
- *capul tubular este eliberat din clichet printr-o simpla apasare pe buton*





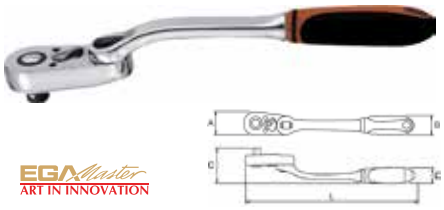
UNIOR

		L	A	B				
618369	1/2"	320	36	40	598	4B	10	246.72

57410 NOU

Antrenor cu clichet reversibil 1/2"

• *DIN 3122*

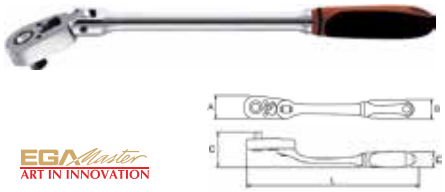


		L	A	B	C	D		
57410	1/2"	310	40	36	72	28	550	752.98

57413 NOU

Antrenor cu clichet reversibil 1/2"

• *DIN 3122*



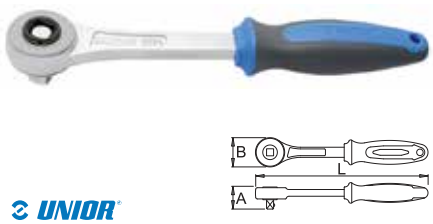
		L	A	B	C	D		
57413	1/2"	450	37	36	38	28	880	589.61

190.9/2BI

Antrenor cu clichet 1/2"

1/2"

- *material:compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata:cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*



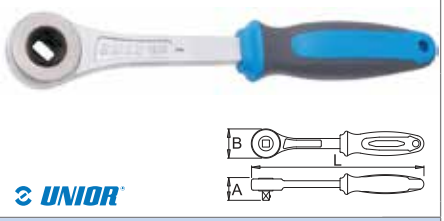
		A	B	L		
600909	1/2"	38	43.5	252	498	174.43

190.9/2ABI

Antrenor cu clichet unidirectional 1/2" fara patrat

1/2"

- *material:compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata:cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*



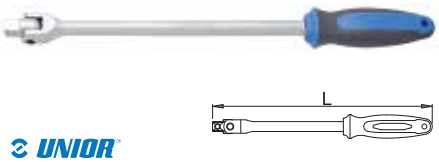
		A	B	L		
611608	1/2"	38	43.5	252	498	163.44

190.2/1BI

Antrenor articulat cu maner 1/2"

1/2"

- *material: crom vanadiu*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*



		L		
611899	1/2"	380	572	169.51
611900	1/2"	450	671	181.64

59123 NOU

Adaptor plat 1/2" (f)



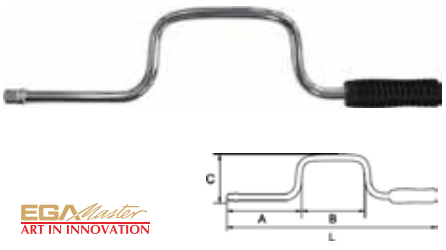
			L	Ø1		
59123	1/2"	3/4"	22	44	60	219.59

61434 NOU

Coarba 1/2"

1/2"

• *DIN 3122*



		L	A	B	C		
61434	1/2"	410	130	145	95	550	153.70

61484 NOU

Antrenor pivotant telescopic cu eliberare rapida 1/2"

1/2"



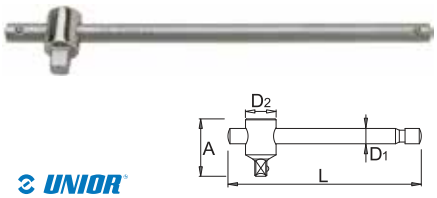
		L min.	L max.		
61484	1/2"	430	650	1150	813.36

190.3/1

Antrenor cu parghie glisanta 1/2"

1/2"

- *material:crom vanadiu*
- *tratament termic total*
- *acoperire cromare conform EN12540*
- *executie in concordanta cu standardul ISO 3315*



		L	A	D1	D2		
600876	1/2"	300	45	14	25.5	340	69.02

190.10

Patrat de schimb 1/2"

1/2"

- *material:otel carbon de scule*
- *capul cheii este tratat in intregime*
- *Antrenor cu clichet 1/2"*
- *executie in concordanta cu standardul ISO 3315*



		L		
603378	1/2"	40	50	20.49

190.11

Parti componente pentru 190.1A BI



612504	12	106	111.89

190.4/1

Prelungitor lung 1/2"

1/2" 1/2"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *produs conform standardului ISO 3316*



		L	D1	D2		
607955	1/2"	75	16.8	24	114	42.79
600874	1/2"	125	16.8	24	178	55.90
600875	1/2"	250	16.8	24	326	72.13

190.4/1S

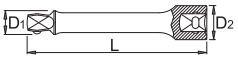
Prelungitor lung cap sferic 1/2"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *produs conform standardului ISO 3316*

Avantaje:

- *Forma capului sferic permite lucrul la un unghi de 9°*





UNIOR

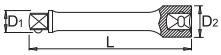
		L	D1	D2				
610909	1/2"	75	16.8	24	110	4B	10	58.69
610908	1/2"	125	16.8	24	180	4B	10	73.28
610907	1/2"	250	16.4	24	340	4B	10	95.90

190.4/2

Prelungitor lung 1/2"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





UNIOR

		L	D1	D2				
612565	1/2"	600	16.8	24	732	4B	1	146.39

190.5/2

Antrenor cotit 1/2"

- *material:crom vanadiu*
- *forjat, tratat complet*
- *acoperire cromare conform EN12540*
- *executie in concordanta cu standardul ISO 3315*



UNIOR

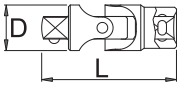
		L1	L2	D				
610933	1/2"	250	59	16.8	342	4A	10	70.00

190.6/2

Intermediar cardanic 1/2"

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *produs conform standardului ISO 3316*





UNIOR

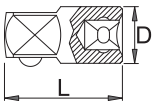
		D	L				
600873	1/2"	23	75.5	158	4B	10	95.90

190.7/2

Adaptor 1/2"

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *produs conform standardului ISO 3316*





UNIOR

			D	L				
603334	1/2"	3/8"	23	38	67	4B	10	24.92
607975	1/2"	3/4"	22	35	168	4B	10	56.23

190H

Sina pentru capete chei tubulare 1/2"

- *dimensiunea 330 - pentru set de 10 piese de la 8-32, numarul maxim de cleme 14*
- *dimensiunea 450 - 10 piese de aceiasi dimensiune (22), numarul maxim de cleme 19*



UNIOR

	L				
619090	330	95	1E	10	13.28
619237	450	120	1E	10	15.90

190H1

Set de 10 piese suport de capete chei tubulare 1/2" pentru 190 H



UNIOR

619412	27	1E	1	8.85

190H12P15

Set de capete chei tubulare 1/2", pe sina



UNIOR

622635	10 - 32 / 15	1400	1E	1	453.61

190/1 12p (10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32),**190H** (450)

190H12P15IN

Set de capete chei tubulare 1/2", pe sina



UNIOR

622634	3/8" - 1.1/4" / 15	1550	1E	1	534.43

190/1 12p (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"), **190H** (450)

190H6P6 NOU

Set de capete chei tubulare 1/2", pe sina



629700	14 - 19 / 6	450	1E	1	151.64

190/1 12p (14, 15, 16, 17, 18, 19); **190H** (330)

190H12LP7

Set de capete chei tubulare 1/2" varianta lunga, pe sina



622636	13 - 24 / 7	1100	1E	1	370.98

190/1L12p (13, 14, 15, 17, 21, 22, 24), **190H** (450)

192HHXP6 NOU

Set de capete chei tubulare HEX 1/2" pe sina



629698	HX8 - 19 / 8	980	1E	1	341.31

192/2HX (8, 9, 10, 12, 14, 15, 17, 19); **190H** (330)

190BI6P14

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 321 x 198 x 54 mm*



611940	10 - 24 / 14	3010	1G	1	876.56

190/1 6p (10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24), **190.1/1ABI** (1/2"), **190.3/1** (1/2"), **190.4/1** (1/2" x 125)

190BI12P15

Trusa de capete tubulare 1/2" in cutie metalica



627205	10 - 32 / 15		1G	1	1041.80

190.1/1ABI (1/2"), **190.3/1** (1/2"), **190.4/1** (1/2" x 250), **190.6/2** (1/2"), **190/1 12p** (10, 12, 13, 14, 17, 19, 22, 24, 27, 30, 32), **981K** (3/8" x 321 x 198 x 54)

190BI6P23

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 448 x 198 x 54 mm*



612779	10 - 32 / 23	4780	1G	1	1318.36

190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.3/1** (1/2"), **190.4/1** (1/2" x 125, 1/2" x 250), **190.6/2** (1/2")

190BI6P24

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 448 x 198 x 54 mm*



611939	10 - 32 / 24	6160	1G	1	1488.85

190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2" x 380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2")

190BI12P23

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 448 x 198 x 54 mm*



615327	10 - 32 / 23	4780	1G	1	1315.41

190/1 12p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.3/1** (1/2"), **190.4/1** (1/2" x 250, 1/2" x 125), **190.6/2** (1/2")

190BI12P24

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 448 x 198 x 54 mm*



611941	10 - 32 / 24	6160	1G	1	1488.85

190/1 12p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2" x 380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2")

190BI6P43

Trusa capete chei tubulare 1/2" si 1/4" in cutie metalica

- *Dimensiunea cutiei : 346 x 292 x 83 mm*



611944	4 - 32 / 43	4600	1G	1	1846.72

188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13, 12, 14), **188.4/2** (1/4"x55, 1/4" x 150), **188.3/2** (1/4"), **190/1 6p** (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32), **190.6/2** (1/2"), **190.4/1** (1/2" x 125, 1/2" x 250), **190.3/1** (1/2"), **192/2HX** (6, 7, 8, 10, 12, 14, 17), **188.6/2** (1/4"), **190.1/1ABI** (1/2"), **188.1/1ABI** (1/4")

190BI12P23IN

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 448 x 198 x 54 mm*



611943	3/8" - 1.1/4" / 23	5545	1G	1	1550.66

190/1 12p (3/8", 7/16", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4"), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2")

190BI6P22IN

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 448 x 198 x 54 mm*



615180	5/16" - 1.1/4" / 22	5565	1G	1	1472.79

190.6/2 (1/2"), **190.4/1** (1/2" x 125, 1/2" x 250), **190.3/1** (1/2"), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2" x 380), **190/1 6p** (5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", 1.1/8", 1.3/16", 1.1/4")

190BITX1P22

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 448 x 198 x 54 mm*



611945	22	3875	1G	1	1494.10

190.6/2 (1/2"), **190.4/1** (1/2" x 125, 1/2" x 250), **192/2TX** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **191/1** (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), **190.1/1ABI** (1/2")

190BIHX1P20

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 448 x 198 x 54 mm*



611946	20	4080	1G	1	1256.89

192/2HXL (5 x 100, 6 x 100, 7 x 100, 8 x 100, 10 x 100, 12 x 100),
192/2HX (4, 5, 6, 7, 8, 9, 10, 12, 14, 17, 19), **190.1/1ABI** (1/2"),
190.4/1 (1/2" x 125, 1/2" x 250)

190BI6P28

Trusa capete chei tubulare 1/2" in cutie metalica

- *Dimensiunea cutiei : 346 x 292 x 83 mm*



612162	10 - 32 / 28	5285	1G	1	1700.49

190/1 6p (10, 13, 14, 15, 16, 17, 18, 19, 22, 24, 27, 30, 32), **190.6/2** (1/2"),
190.4/1 (1/2" x 125, 1/2" x 250), **190.3/1** (1/2"), **190/1L12p**
(12, 13, 14, 17, 19, 21, 22, 24, 27, 30), **190.1/1ABI** (1/2")

190-6P17

Capete chei tubulare 1/2" in cutie de plastic

- *Dimensiunea cutiei : 307 x 260 x 70 mm*



622022	10 - 32 / 17	2995	1G	1	867.87

190/1 6p (10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 27, 30, 32),
190.9/2BI (1/2"), 190.3/1 (1/2"), **190.4/1** (1/2" x 75)

190BI6P17

Trusa capete chei tubulare 1/2" in cutie de plastic

- *Dimensiunea cutiei : 307 x 260 x 70 mm*



622023	10 - 32 / 17	2945	1G	1	940.16

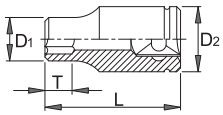
190/1 6p (10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 27, 30, 32),
190.1/1ABI (1/2"), **190.3/1** (1/2"), **190.4/1** (1/2" x 75)

197/1 6p

Capete chei tubulare 3/4"

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

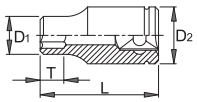
		D1	D2	L	T				
619698	19	29.2	32.9	50	14.5	175	1B	10	**58.85**
602723	22	32.2	36	50	14	220	1B	10	**60.16**
602724	23	33.2	36	50	14	221	1B	10	**60.16**
602725	24	34.2	36	51	16	230	1B	10	**63.61**
602726	26	37	36	52	16	230	1B	10	**65.57**
602727	27	38	36	52	22	239	1B	10	**68.52**
602728	28	39	36	52	22	242	1B	10	**70.16**
619702	29	38	40.6	51.8	24.1	270	1B	10	**72.13**
602729	30	42	38	54	24	273	1B	10	**72.62**
602730	32	44	38	56	26	295	1B	10	**76.72**
602731	34	47	38	56	26	347	1B	5	**80.66**
619701	35	42.1	48.2	58	30.3	401	1B	5	**82.62**
602732	36	50	42	58	28	400	1B	5	**86.39**
602733	38	52	45	60	28	488	1B	5	**94.75**
602734	41	56	45	64	30	502	1B	5	**103.77**
602735	46	62	48	68	34	621	1B	1	**126.72**
602736	50	68	48	72	36	708	1B	1	**160.00**
617527	55	74	48	76	32	914	1B	1	**173.11**
603135	60	80	48	78	42	1105	1B	1	**196.72**
609383	7/8"	32.2	36	50	14	220	1B	10	**65.41**
609384	15/16"	34.2	36	51	16	231	1B	10	**66.56**
609385	1"	37	36	52	16	234	1B	10	**76.89**
609386	1.1/16"	38	36	52	22	224	1B	10	**76.89**
609387	1.1/8"	40	38	52	22	265	1B	10	**77.87**
609388	1.1/4"	44	38	56	24	313	1B	10	**79.67**
609390	1.3/8"	48	42	58	26	406	1B	5	**89.34**
609391	1.7/16"	50	42	58	28	415	1B	5	**91.64**
609392	1.1/2"	52	45	60	28	414	1B	5	**105.90**
609393	1.5/8"	56	45	64	30	572	1B	5	**112.46**
609394	1.11/16"	58	45	65	32	595	1B	5	**125.25**
609396	1.7/8"	64	48	70	34	741	1B	1	**144.59**
609397	2"	68	48	72	36	842	1B	1	**156.89**

197/1 12p

Capete chei tubulare 3/4" cu 12 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1 (numai pentru dimensiunea in mm)*





UNIOR

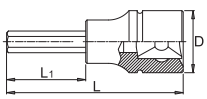
		D1	D2	L	T				
618666	22	32.2	36	50	14	215	1B	10	**60.16**
618667	23	33.2	36	50	14	216	1B	10	**60.16**
618668	24	34.2	36	51	16	224	1B	10	**63.61**
618669	26	37	36	52	16	220	1B	10	**65.57**
618670	27	38	36	52	22	224	1B	10	**68.52**
618671	28	39.5	36	52	22	234	1B	10	**70.16**
618672	30	42	38	54	24	254	1B	10	**72.62**
618673	32	44	38	56	26	282	1B	10	**76.72**
618674	34	47	38	56	26	329	1B	5	**80.66**
618675	36	50	42	58	28	372	1B	5	**86.39**
618676	38	52	45	60	28	473	1B	5	**94.75**
618677	41	56	45	64	30	487	1B	5	**103.77**
618678	46	62	47	68	34	566	1B	1	**126.72**
618679	50	68	48	72	36	683	1B	1	**160.00**
618680	55	74	48	76	40	828	1B	1	**173.11**
618681	60	80	48	78	42	993	1B	1	**196.72**

197/2AHX

Capete chei tubulare 3/4" cu profil hexagonal

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*
- *produs conform cu standardul DIN 7422 (doar pentru dimensiunile in mm)*





UNIOR

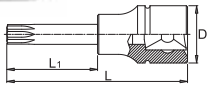
		D	L	L1				
619836	14	33.85	80	30	267	1B	5	**95.74**
619837	17	33.85	80	30	275	1B	5	**95.74**
619838	19	33.85	80	30	364	1B	5	**115.57**
619839	22	33.85	80	30	381	1B	5	**115.57**

197/2ATX

Capete chei tubulare 3/4" cu profil TX

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

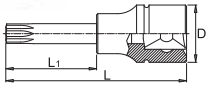
		D	L	L1				
619840	60	33.85	80	30	257	1B	5	95.74
619841	70	33.85	80	30	262	1B	5	95.74
619842	80	33.85	80	30	267	1B	5	112.79
619843	90	33.85	80	30	351	1B	5	136.07
619844	100	33.85	80	30	363	1B	5	139.18

197/2AZX

Capete chei tubulare 3/4" profil ZX

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*





UNIOR

		D	L	L1				
620818	M18	33.9	80	30	371	1B	5	115.57

59X

Capete chei tubulare 3/4" cu profil ZX

- *material capete chei tubulare: crom-vanadiu, acoperire cromare*
- *bit: otel special de scule*
- *capul cheii este tratat in intregime*



STAHLWILLE

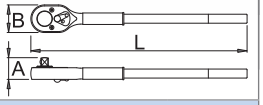
		D	L1	L2				
SW 05060014	M14	34,7	90	35	281	1B	5	354.20
SW 05060016	M16	34,7	80	25	302	1B	5	371.22
SW 05060018	M18	34,7	100	45	375	1B	5	417.91

197.1/1

Antrenor cu clichet reversibil 3/4"

- *material: compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *executie in concordanta cu standardul ISO 3315*





UNIOR

		A	B	L				
602737	3/4"	58	63.5	500	2590	1C	1	797.38



197.11

Piese de schimb pentru 197.1/1



616806	11	495	1B	1	248.73

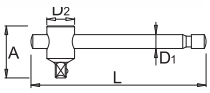
197.3/1

Antrenor cu parghie glisanta 3/4"

3/4"

- *material: crom vanadiu*
- *tratament termic total*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *executie in concordanta cu standardul ISO 3315*





UNIOR

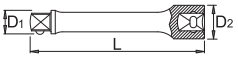
		A	D1	D2	L				
602738	3/4"	60	20	37	455	1400	1C	1	225.08

197.4/1

Prelungitor lung 3/4"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *conform cu standardul ISO 3316*





UNIOR

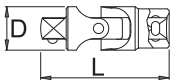
		L	D1	D2				
602740	3/4"	200	25.3	36	635	1B	1	134.43
602739	3/4"	400	25.3	36	1160	1B	1	228.85

197.6/1

Intermediar cardanic 3/4"

- *material: crom vanadiu*
- *acoperire cromare conform EN12540*
- *forjata, calire si revenire totala*
- *conform cu standardul ISO 3316*





UNIOR

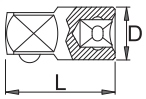
		D	L				
617657	3/4"	40	107	597	1B	1	270.16

197.7/1

Adaptor 3/4"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *conform cu standardul ISO 3316*





UNIOR

		L	D				
602741	3/4" - 1/2"	54	34	181	1B	5	103.93
610695	3/4" - 1"	62	38	364	1B	5	140.33

197MB1

Trusa capete chei tubulare 3/4" in cutie metalica

- *Dimensiunea cutiei : 505 x 215 x 78 mm*



UNIOR

602742	22 - 46 / 14	12600	1F	1	2771.48

197/1 6p (22, 24, 27, 30, 32, 36, 38, 41, 46), **197.1/1** (3/4"x500), **197.3/1** (3/4"), **197.4/1** (3/4" x 400, 3/4" x 200), **197.7/1** (3/4" - 1/2")

197MB2

Trusa capete chei tubulare 3/4" in cutie metalica

- *Dimensiunea cutiei : 505 x 215 x 78 mm*



UNIOR

600954	22 - 50 / 14	13000	1F	1	2854.10

197/1 6p (22, 24, 27, 30, 32, 36, 38, 41, 46, 50), **197.3/1** (3/4"), **197.1/1** (3/4"x500), **197.4/1** (3/4" x 400, 3/4" x 200)

197MB3

Trusa capete chei tubulare in inch 3/4" in cutie metalica

- *Dimensiunea cutiei : 505 x 215 x 78 mm*



UNIOR

617119	7/8" - 1.7/8" / 14	12600	1F	1	2825.74

197/1 6p (7/8", 15/16", 1", 1.1/16", 1.1/8", 1.1/4", 1.3/8", 1.1/2", 1.5/8", 1.7/8"), **197.1/1** (3/4" x 500), **197.3/1** (3/4"), **197.4/1** (3/4" x 400, 3/4" x 200)

197MB4

Trusa capete chei tubulare 3/4" in cutie metalica

- *Dimensiunea cutiei : 505 x 215 x 78 mm*



UNIOR

619927	22 - 55 / 15	13600	1F	1	3148.85

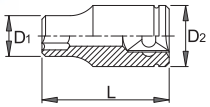
197/1 6p (22, 24, 27, 30, 32, 36, 41, 46, 55), **197.1/1** (3/4"x500), **197.3/1** (3/4"), **197.4/1** (3/4" x 400, 3/4" x 200), **197.6/1** (3/4"), **197.7/1** (3/4" - 1/2")

199/1 6p

Capete chei tubulare 1"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1*





UNIOR

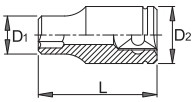
		D1	D2	L	T				
603096	46	65	50	75	34	849	1C	1	**180.16**
603097	50	70	55	75	34	1039	1C	1	**190.66**
603098	55	76	57	80	40	1222	1C	1	**234.26**
603099	60	82	57	84	42	1383	1C	1	**266.72**
603100	65	88	57	87	44	1607	1C	1	**340.00**
603101	70	94	68	93	48	2039	1C	1	**370.16**
603102	75	100	68	97	52	2243	1C	1	**447.87**
603103	80	105	68	103	54	2479	1C	1	**506.39**

199/1 12p

Capete chei tubulare 1" cu 12 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1*





UNIOR

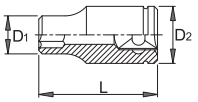
		D1	D2	L	T				
618699	65	82	56.9	84	42	1444	1C	1	**455.08**

5014

Capete chei tubulare 1" cu 12 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *executie in concordanta cu standardul ISO 2725-1*





WGB THE WERKZEUG

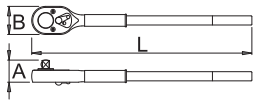
		L				
9249083	70	96	1775	1C	1	**848.25**
9249093	75	100	2200	1C	1	**962.34**
9249103	80	107	2556	1C	1	**1032.36**

199.1/1

Antrenor cu clichet reversibil 1"

- *material:compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata:cromata in concordanta cu standardul EN 12540*
- *executie in concordanta cu standardul ISO 3315*





UNIOR

		A	B	L				
603104	1"	71	71.5	665	4655	1C	1	**1144.43**

199.11

Piese de schimb pentru 199.1



UNIOR

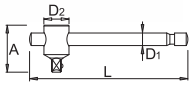
616807	11	835	1E	1	**339.27**

199.3/1

Antrenor cu parghie glisanta 1"

- *material: crom vanadiu*
- *tratament termic total*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *executie in concordanta cu standardul ISO 3315*





UNIOR

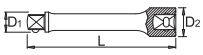
		A	D1	D2	L				
603105	1"	80	28	49	560	3330	1C	1	**508.36**

199.4/1

Prelungitor lung 1"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *conform cu standardul ISO 3316*





UNIOR

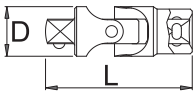
		L	D1	D2				
603107	1"	200	33.6	48	1125	1C	1	**306.07**
603106	1"	400	33.6	48	1900	1C	1	**498.03**

199.6/1

Intermediar cardanic 1"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *conform cu standardul ISO 3316*





UNIOR

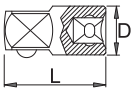
		D	L				
617658	1"	49	141	1120	1E	1	**436.23**

199.7/1

Adaptor 1"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *conform cu standardul ISO 3316*





UNIOR

		D	L				
619905	1" - 3/4"	48	65	427	1C	1	**169.84**

199MB1

Trusa capete chei tubulare 1" in cutie metalica

- *Dimensiunea cutiei : 670 x 220 x 100 mm*



UNIOR

603095	46 - 80 / 12	29800	1F	1	**5523.93**

199/1 6p (46, 50, 55, 60, 65, 70, 75, 80), **199.1/1** (1"), **199.3/1** (1"), **199.4/1** (1" x 400, 1" x 200)

CAPETE CHEI TUBULARE DE IMPACT







Peretele unui cap cheie tubulara de impact este cu aproximativ 50% mai gros decat cel al unui cap cheie tubulara manual, ceea ce il face potrivit pentru utilizarea cu unelte pneumatice cu impact, in timp ce capetele chei tubulare obisnuite ar trebui folosite numai manual. Aceasta diferenta este cel mai vizibila in coltul capului cheii tubulare unde peretele este cel mai subtire. Este primul loc in care s-ar dezvolta fisuri din cauza vibratiilor in timpul utilizarii. Capetele chei tubulare de impact sunt construite din otel crom molibden, un material ductil care adauga elasticitate suplimentara sculei si tinde sa se indoaie sau sa se intinda mai degraba decat sa se sparga. Acest lucru ajuta, de asemenea, la evitarea deformarii neobisnuite sau deteriorarii nicovalei sculei. Prizele obisnuite pentru unelte de mana sunt de obicei fabricate din otel crom vanadiu, care este structural puternic, dar in general mai fragil si, prin urmare, predispus la rupere atunci cand este expus la socuri si vibratii.



Cap cheie tubulara manual



Cap cheie tubulara de impact

O alta diferenta notabila este ca tubulatele de impact au o gaura in cruce in capatul manerului, pentru a fi utilizate cu un stift si un inel de retinere sau nicovala pentru stift de blocare. Acest lucru permite tubularei sa ramana atasata in siguranta de nicovala cheii de impact, chiar si in situatii de stres ridicat.

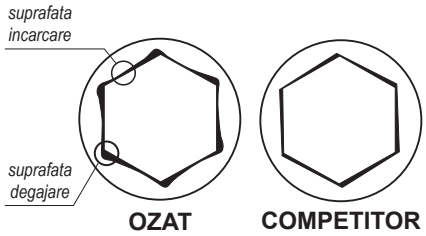


Utilizarea capetelor tubulare de impact ajuta la obtinerea unei eficiente optime a sculei, dar, cel mai important, asigura siguranta in spatiul de lucru. Sunt proiectate special pentru a rezista la vibratiile si socurile fiecarui impact, prevenind fisurile sau rupturile, prelungind astfel durata de viata a prizei si evitand deteriorarea nicovalei unealtei. Prizele de impact pot fi utilizate in siguranta pe o unealta de mana, cu toate acestea, nu ar trebui sa utilizați niciodata un cap cheie tubulata obisnuit pe o cheie de impact, deoarece acest lucru poate fi extrem de periculos. Este posibil ca o tubulara obisnuita sa se sparga atunci cand este folosită pe unelte electrice / pneumatice datorita designului lor mai subtire al peretelui si materialului din care sunt fabricate. Acest lucru ar putea reprezenta un risc serios de siguranta pentru toata lumea care utilizeaza acelasi spatiu de lucru, deoarece fisurile din tubulara ar putea provoca ruperea acestuia in orice moment, provocand rani grave.

Capete chei tubulare de impact

Ozat ofera cel mai larg program de capete tubulare de impact, chei de soc si chei de constructii, care sunt special concepute pentru sarcini de lucru cu impact puternic.
De peste 40 de ani, OZAT a fabricat unelte si piese recunoscute in peste 60 de tari din intreaga lume pentru calitatea si fiabilitatea lor ridicata.
Produsele OZAT sunt fabricate conform standardelor americane ANSI B107, standardelor europene DIN 3121, 3129 si ISO 1174-2, 1703, 1171-2 si 2725-2.

Designul capetelor tubulare de impact OZAT este net superior celor mai multe alte modele disponibile. Procesul de prelucrare electrochimica face posibil ca OZAT sa produca toate capetele tubulare de impact in configuratia ***less-stres***™, ilustrata mai jos:



Capetele tubulare de impact OZAT asigura garantie de viata, atata timp cat sunt utilizate conform specificatiilor inca de la prima utilizare.

Legenda simbolurilor

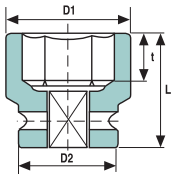
- **Profil hexagon interior cu 6 laturi**
- **Profil de protectie al suprafetei**
- **Profil hexagon interior cu 12 laturi**
- **Profil hexagon exterior**
- **Patrat exterior**
- **Profil octogon interior**
- **Profil TORX® exterior**
- **Profil interior Spline #5**
- **Profil patrat interior**
- **Profil TORX® interior**
- **Profil de antrenare Spline #5**
- **Magnetic**

04M 1/4”

Cap cheie tubulara impact 1/4" 6 laturi, scurta

- *patrat de antrenare 1/4” DIN 3121 - forma G 6,3*
- *hexagon interior conform DIN 475/2*





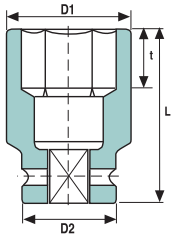
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
04M04	4 mm	7.6	13	23	3	14	**26.63**
04M05	5 mm	8.8	13	23	3	14	**26.63**
04M06	6 mm	10	13	23	3	14	**26.63**
04M07	7 mm	11.3	13	23	3	14	**26.63**
04M08	8 mm	12.5	13	23	4	14	**26.63**
04M09	9 mm	13.8	13	23	4	15	**26.63**
04M10	10 mm	15	13	23	5	15	**28.92**
04M11	11 mm	16.3	13	23	5	18	**28.92**
04M12	12 mm	17	13	23	6	19	**28.92**
04M13	13 mm	18.8	13	23	6	19	**28.92**
04M14	14 mm	20	13	23	7	22	**31.80**
0403	3/16"	8.5	13	23	3	14	**26.63**
04035	7/32"	9.5	13	23	3	14	**26.63**
0404	1/4"	10.3	13	23	3	14	**26.63**
04045	9/32"	11.3	13	23	3	14	**26.63**
0405	5/16"	12.5	13	23	3	14	**26.63**
04055	11/32"	13.8	13	23	4	15	**26.63**
0406	3/8"	15	13	23	4	15	**28.92**
0407	7/16"	16.3	13	23	6	18	**28.92**
0408	1/2"	18.8	13	23	6	19	**28.92**
0409	9/16"	20	13	23	7	22	**31.80**

04ML 1/4”

Cap cheie tubulara impact 1/4" 6 laturi, lunga

- *patrat de antrenare 1/4” DIN 3121 - forma G 6,3*
- *hexagon interior conform DIN 475/2*





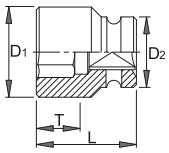
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
04M04L	4mm	7.6	13	50	3	29	**37.18**
04M05L	5mm	8.8	13	50	3	29	**37.18**
04M06L	6mm	10	13	50	3	29	**37.18**
04M07L	7mm	11.3	13	50	3	29	**37.18**
04M08L	8mm	12.5	13	50	4	29	**37.18**
04M09L	9mm	13.8	13	50	4	31	**42.93**
04M10L	10mm	15	13	50	5	31	**45.66**
04M11L	11mm	16.3	13	50	5	37	**45.66**
04M12L	12mm	17	13	50	6	39	**45.66**
04M13L	13mm	18.8	13	50	6	39	**48.76**
04M14L	14mm	20	13	50	7	45	**50.39**
04M15L	15mm	21	13	50	7	45	**51.49**
0403L	3/16"	8.5	13	50	3	29	**37.18**
04035L	7/32"	9.5	13	50	3	29	**37.18**
0404L	1/4"	10.3	13	50	3	29	**37.18**
04045L	9/32"	11.3	13	50	3	29	**37.18**
0405L	5/16"	12.5	13	50	3	29	**37.18**
04055L	11/32"	13.8	13	50	4	31	**42.93**
0406L	3/8"	15	13	50	4	31	**45.66**
0407L	7/16"	16.3	13	50	6	37	**45.66**
0408L	1/2"	18.8	13	50	6	39	**48.76**
0409L	9/16"	20	13	50	7	45	**50.39**

700

Capete chei tubulare de impact 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: Hexagon DIN / ISO 691*





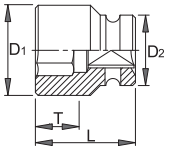
		D2	D1	L	T				
1000070001	3,5	7,0	13,0	23	2,5	14	1C	5	**49.25**
1000070002	4	7,6	13,0	23	4,0	14	1C	5	**49.25**
1000070003	4,5	8,2	13,0	23	5,0	14	1C	5	**49.23**
1000070004	5	8,8	13,0	23	5,0	14	1C	5	**49.25**
1000070005	5,5	9,5	13,0	23	5,0	15	1C	5	**49.25**
1000070006	6	10,0	13,0	23	6,0	15	1C	5	**49.25**
1000070015	7	11,3	13,0	23	6,0	14	1C	5	**49.25**
1000070007	8	12,5	13,0	23	6,0	15	1C	5	**49.25**
1000070016	9	13,8	13,0	23	7,0	17	1C	5	**49.25**
1000070008	10	15,0	13,0	23	7,0	17	1C	5	**49.25**
1000070009	11	16,3	13,0	23	8,0	20	1C	5	**50.27**
1000070017	12	17,0	13,0	23	8,0	24	1C	5	**50.27**
1000070010	13	18,8	13,0	23	8,0	27	1C	5	**51.24**
1000070011	14	20,0	13,0	23	8,0	21	1C	5	**51.24**
1000070012	1/4"	10,3	13,0	23	6,0	16	1C	5	**49.25**
1000070018	5/16"	12,5	13,0	23	7,0	15	1C	5	**49.25**
1000070013	3/8"	15,0	13,0	23	7,0	17	1C	5	**49.25**
1000070014	1/2"	18,8	13,0	23	8,0	19	1C	5	**50.27**

700 M

Capete chei tubulare de impact cu magnet 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: Hexagon DIN / ISO 691*
- *cu magnet permanent puternic*





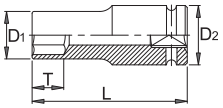
		D2	D1	L	T				
1000070030	5	8,8	13,0	23	3,0	14	1C	5	**68.89**
1000070031	5,5	9,5	13,0	23	3,0	15	1C	5	**68.89**
1000070032	6	10,0	13,0	23	3,0	16	1C	5	**68.89**
1000070033	7	11,3	13,0	23	3,0	16	1C	5	**68.89**
1000070034	8	12,5	13,0	23	3,0	16	1C	5	**68.89**
1000070035	9	13,8	13,0	23	4,0	20	1C	5	**69.85**
1000070036	10	15,0	13,0	23	4,0	19	1C	5	**69.85**
1000070037	11	16,3	13,0	23	5,0	23	1C	5	**69.85**
1000070038	13	18,8	13,0	23	5,0	28	1C	5	**73.84**
1000070039	1/4"	10,3	13,0	23	3,0	17	1C	5	**68.89**
1000070040	5/16"	12,5	13,0	23	3,0	18	1C	5	**68.89**
1000070041	3/8"	15,0	13,0	23	4,0	25	1C	5	**68.89**
1000070042	1/2"	18,8	13,0	23	5,0	29	1C	5	**72.81**

700 L

Capete chei tubulare de impact lungi 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: Hexagon DIN / ISO 691*





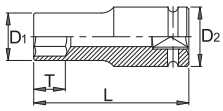
		D2	D1	L	T				
1000070050	7	11,3	13,0	50	7,0	32	1C	5	**73.84**
1000070051	8	12,5	13,0	50	9,0	30	1C	5	**73.84**
1000070052	9	13,8	13,0	50	9,0	30	1C	5	**73.84**
1000070053	10	15,0	13,0	50	9,0	38	1C	5	**74.73**
1000070054	11	16,3	13,0	50	9,0	51	1C	5	**75.76**
1000070055	12	17,0	13,0	50	9,0	61	1C	5	**76.79**
1000070056	13	18,8	13,0	50	9,0	65	1C	5	**76.79**

700 FM

Capete chei tubulare de impact cu magnet cu arc 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: Hexagon DIN / ISO 691*





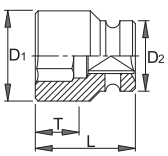
		D2	D1	L	T				
1000070060	7	11,3	13,0	50	4,0	32	1C	5	**206.61**
1000070061	8	12,5	13,0	50	4,0	35	1C	5	**206.61**
1000070062	10	15,0	13,0	50	4,5	44	1C	5	**206.61**
1000070063	13	18,8	13,0	50	6,5	60	1C	5	**233.19**

700 SF

Capete chei tubulare de impact cu profil de protectie 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: Hexagon DIN / ISO 691*





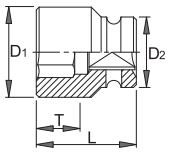
		D2	D1	L	T				
1000070065	7	13,0	11,3	23	6,0	16	1C	5	**54.19**
1000070066	8	13,0	12,5	23	7,0	15	1C	5	**54.19**
1000070068	10	13,0	15,0	23	7,0	17	1C	5	**54.19**
1000070069	11	13,0	16,3	23	8,0	18	1C	5	**56.12**
1000070070	13	13,0	18,8	23	8,0	26		5	**58.17**

700 SFM

Capete chei tubulare de impact cu profil de protectie si magnet 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: Hexagon DIN / ISO 691*





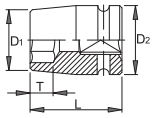
		D2	D1	L	T				
1000070071	7	11,3	13,0	23	3,0	18	1C	5	88.54
1000070072	8	12,5	13,0	23	3,5	19	1C	5	88.54
1000070074	10	15,0	13,0	23	4,2	22	1C	5	91.50
1000070076	13	18,8	13,0	23	6,0	31	1C	5	95.55

700 E

Capete chei tubulare de impact cu profil TORX® interior 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: profil E pentru suruburi cu capTORX®*





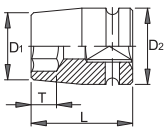
		D2	D1	L	T				
1000070090	E 4	6,5	13,0	25	4,0	17	1C	5	54.19
1000070091	E 5	7,5	13,0	25	4,5	18	1C	5	54.19
1000070092	E 6	8,5	13,0	25	5,0	18	1C	5	54.19
1000170042	E 7	9,0	13,0	25	6,0	18	1C	5	54.19
1000070093	E 8	9,8	13,0	25	6,0	18	1C	5	54.19
1000070094	E 10	12,0	13,0	25	7,5	17	1C	5	54.19
1000070095	E 12	14,0	13,0	25	8,5	21	1C	5	54.19

700 EM

Capete chei tubulare de impact cu profil TORX® interior si magnet 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: profil E pentru suruburi cu capTORX®*





		D2	D1	L	T				
1000070096	E 6	8,5	13,0	25	5,0	16	1C	5	93.55
1000070097	E 8	9,8	13,0	25	6,0	16	1C	5	93.55
1000070098	E 10	12,0	13,0	25	7,5	18	1C	5	93.55
1000070099	E 12	14,0	13,0	25	8,5	24	1C	5	93.55

700 GR

Inel retentie 1/4"



	D2				
1000070900	13		1C		13.66

700 ST

Pin blocare 1/4"



	D2				
1000070910	13		1C		4.65

330

Adaptor hexagon exterior 1/4"- patrat exterior

- *actionare: hexagon 1/4", DIN / ISO 1173 Forma C 6.3*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*



		E	A	L	Ø				
1000003101	330-1	1/4"	1/4"	50	8,5	16	1C	5	49.25
1000003302	330-2	1/4"	1/4"	75	8,5	27	1C	5	67.93
1000003303	330-3	1/4"	1/4"	102	8,5	39	1C	5	73.84
1000003304	330-4	1/4"	1/4"	150	8,5	60	1C	5	107.22
1000103314	330-1x200	1/4"	1/4"	200	9,0	91	1C	5	123.08
1000103303	330-1x250	1/4"	1/4"	250	9,0	116	1C	5	146.71
1000003305	330-5	1/4"	3/8"	50	12,5	23	1C	5	59.04
1000003306	330-6	1/4"	3/8"	75	13,0	39	1C	5	62.54
1000003307	330-7	1/4"	3/8"	102	12,5	70	1C	5	75.45
1000003308	330-8	1/4"	3/8"	152	12,5	118	1C	5	91.23
1000103313	330-5x200	1/4"	3/8"	200	13,5	115	1C	5	125.08
1000103307	330-5x250	1/4"	3/8"	250	13,5	145	1C	5	142.01
1000003309	330-9	1/4"	1/2"	50	16,5	37	1C	5	56.80

330 mB

Adaptor hexagon exterior 1/4"- patrat exterior

- *actionare: hexagon 1/4", DIN / ISO 1173 Forma C 6.3*
- *deschidere: patrat, DIN 3121 Forma F cu gaura strapunsa pentru pin*



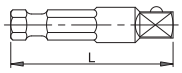
		E	A	L	Ø				
1000103317	330-1 mB	1/4"	1/4"	50	8,5	16	1C	5	59.07
1000103319	330-2 mB	1/4"	1/4"	75	8,5	27	1C	5	67.93
1000103320	330-1x200 mB	1/4"	1/4"	200	8,0	73	1C	5	123.08
1000103321	330-6 mB	1/4"	3/8"	75	12,5	46	1C	5	62.54

310

Adaptor hexagon exterior 1/4”- patrat exterior

- *actionare: hexagon 1/4”, DIN / ISO 1173 Forma C 6.3*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*





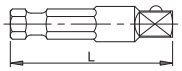
		E	A	L	Ø				
1000003101	310-1	1/4”	1/4”	25	8,0	7	1C	5	59.07

320

Adaptor hexagon exterior 5/16”- patrat exterior

- *actionare: hexagon 5/16”, DIN / ISO 1173 Forma C 8*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*





		E	A	L	Ø				
1000003201	320-1	5/16”	1/4”	40	-	16	1C	5	87.64
1000003202	320-2	5/16”	3/8”	40	13,0	28	1C	5	107.22

330 mK

Adaptor hexagon exterior 1/4”- patrat exterior

- *actionare: hexagon 1/4”, DIN / ISO 1173 Forma C 6.3*
- *deschidere: patrat, DIN 3121 Forma A cu bila*



		E	A	L	Ø				
1000103306	330 - 5 mK	1/4"	3/8"	50	10,5	23	1C	5	49.23
1000103310	330 - 9 mK	1/4"	1/2"	50	14,5	36	1C	5	56.80

340

Adaptor hexagon exterior 7/16”- patrat exterior

- *actionare: hexagon 7/16”, DIN / ISO 1173 Forma E 11,2*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*



		E	A	L	Ø				
1000003401	340 - 1	7/16"	1/4"	50	13,0	37	1C	5	117.05
1000003402	340 - 2	7/16"	3/8"	75	13,0	64	1C	5	123.08
1000003403	340 - 3	7/16"	3/8"	125	13,0	116	1C	5	133.80
1000003404	340 - 4	7/16"	3/8"	200	13,0	195	1C	5	156.47
1000003405	340 - 5	7/16"	1/2"	70	16,0	77	1C	5	162.37
1000003406	340 - 6	7/16"	1/2"	125	13,0	128	1C	5	176.18
1000003407	340 - 7	7/16"	1/2"	200	16,5	294	1C	5	245.07

400

Adaptor patrat interior 1/4”- patrat exterior 3/8”

- *actionare: patrat 1/4”, DIN 3121 Forma G 6.3*
- *deschidere: patrat, DIN 3121 Forma A*



		E	A	L	D2				
1000004001	400-1	1/4”	3/8”	26	13,0	19	1C	1	123.08

60990

Adaptor patrat interior 1/4”- patrat exterior 3/8”

- *actionare: patrat 1/4”, DIN 3121 Forma G 6.3*
- *deschidere: patrat, DIN 3121 Forma A*



	E	A	L	D2				
60990	1/4”	3/8”	26	13,0	19	1C	1	52.62

400

Adaptor articulat patrat interior 1/4”- patrat exterior 1/4”

- *actionare: patrat 1/4”, DIN 3121 Forma G 6.3*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*



		E	A	L	Ø	D2				
1000004002	400 KG-2	1/4”	1/4”	40	18,0	13	36	1C	1	249.05

500

Prelungitor 1/4”

- *actionare: patrat 1/4”, DIN 3121 Forma G 6.3*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*



		E	A	L	D2				
1000005001	500-1	1/4"	1/4"	50	13	24	1C	1	107.22
1000005002	500-2	1/4"	1/4"	150	13	66	1C	1	123.08
1000105002	500-1 x 200	1/4"	1/4"	200	13	95	1C	1	201.80

500 W

Prelungitor cu bila 1/4”

- *actionare: patrat 1/4”, DIN 3121 Forma G 6.3*
- *deschidere: patrat, Forma A cu bila*



		E	A	L	D2				
1000005011	500-1-W	1/4"	1/4"	50	13	24	1C	1	148.83

700 SWH

Prelungitor cu eliberare rapida 1/4”

- *actionare: patrat 1/4”, DIN 3121 Forma G 6.3*
- *deschidere: patrat, Forma A cu bila*



		E	A	L	D2				
1000070950	700 SWH	1/4"	1/4"	35	13	45	1C	1	458.73

701 KS35 OL

NOU

Trusa capete chei tubulare de impact 1/4” 35 piese in cutie plastic

- *clichet reversibil 1/4**
- *adaptor Vario 1/4**
- *adaptor cu schimbare rapidă de biți 1/4**
- *adaptor 1/4“ C6.3*
- *suport de bit universal 1/4* 2in1 D6.3*



ASW wekador

1000070135	4.5 - 13	1125	1C	1	1193.89

700 (4.5, 5, 5.5, 6, 7 ,8, 9, 10, 11, 12, 13),

PH1, PH2, PH3 PZ1, PZ2 SL 0,6x4,5 SL 0,8x5,5 SL 1,2x6,5

H4 H5 H6 H8 TT10 TT15 TT20 TT25 TT27 TT30 TT40

Antrenor cu clichet 1/4"; Adaptor Vario 1/4"; Adaptor cu schimbare rapida de biti 1/4"
Adaptor 1/4“ C6.3; Suport bit universal 1/4" 2in1 D6.3

700 KS46 OL

NOU

Trusa capete chei tubulare de impact 1/4” 46 piesein cutie plastic

- *clichet reversibil 1/4**
- *adaptor Vario 1/4**
- *adaptor cu schimbare rapidă de biți 1/4**
- *adaptor 1/4“ C6.3*
- *suport de bit universal 1/4* 2in1 D6.3*



ASW wekador

1020022752	6 - 14	1125	1C	1	la cerere

700 (6, 7 ,8, 9, 10, 11, 12, 13, 14), **700E** (E5, E6, E8, E10, E12),

PH1, PH2, PH3 PZ1, PZ2 SL 0,6x4,5 SL 0,8x5,5 SL 1,2x6,5

H3 H4 H5 H6 H7 H8 T9 T10 T15 T20 T25 T27 T30 T40 T45 T50 XZN4 XZN5 XZN6 XZN8

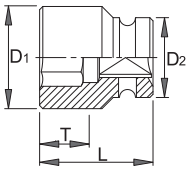
Adaptor E 6.3 - patrat 3/8" x 50mm; Prelungitor 3/8" 75 mm
Prelungitor 3/8" 150 mm; Adaptor 3/8" D 6.3

230/4 6p

Capete chei tubulare de impact 3/8"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *in conformitate cu standardul ISO 2725-2(numai dimensiunile in mm)*





UNIOR

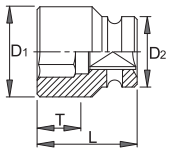
		D2	D1	L	T				
612060	8	19	13.8	30	8	45	4B	10	34.59
612062	10	19	16.3	30	8	45	4B	10	34.59
612063	11	19	17.5	30	9	45	4B	10	34.59
612064	12	19	19	30	9	45	4B	10	34.59
612065	13	22	20	30	10	61	4B	10	37.05
612066	14	22	21.3	30	11	55	4B	10	37.05
612067	15	22	22	30	11	58	4B	10	37.05
612069	17	22	25	30	12	65	4B	10	37.05
612070	18	22	26	30	12	69	4B	10	38.52
612071	19	22	27.5	30	19	66	4B	10	38.52
612073	21	22	30	30	13	73	4B	10	41.80
612074	22	23	32	30	13	86	4B	10	46.39

710

Capete chei tubulare de impact 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8”*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





ASW wekador

		D2	D1	L	T				
1000071011	7	12,5	19	30	8,0	35	1C	5	54.19
1000071012	8	14,0	19	30	6,0	42	1C	5	54.19
1000071013	9	15,0	19	30	7,0	41	1C	5	54.19
1000071014	10	16,0	19	30	7,0	42	1C	5	28.69
1000071015	11	17,5	19	30	8,0	44	1C	5	28.69
1000071016	12	19,0	19	30	9,0	37	1C	5	28.69
1000071017	13	20,0	22	30	9,0	56	1C	5	28.69
1000071018	14	21,0	22	30	9,0	66	1C	5	28.69
1000071019	15	22,0	22	30	11,0	52	1C	5	30.33
1000071020	16	24,0	22	30	11,0	59	1C	5	31.97
1000071021	17	25,0	22	30	11,0	72	1C	5	33.61
1000071022	18	26,0	22	30	11,0	62	1C	5	33.61
1000071023	19	27,5	22	30	11,0	84	1C	5	34.43
1000071024	5/16"	12,5	19	30	8,0	38	1C	5	54.19
1000071025	3/8"	14,5	19	30	8,0	38	1C	5	54.19
1000071026	1/2"	19,0	19	30	9,0	36	1C	5	54.19

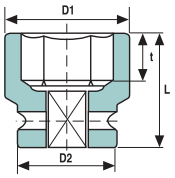


06M 3/8”

Cap cheie tubulara impact 3/8" 6 laturi, scurta

- *patrat de antrenare 3/8” DIN 3121 - forma G 10*
- *hexagon interior conform DIN 475/2*





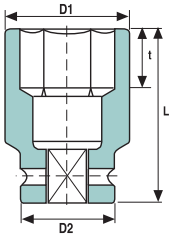
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
06M6	6	11	19	30	3	40	36.66
06M7	7	12.5	19	30	3	40	36.66
06M8	8	14.5	19	30	4	40	36.66
06M9	9	15	19	30	4	40	36.66
06M10	10	16	19	30	5	40	36.66
06M11	11	17.5	19	30	5	40	36.66
06M12	12	19	19	30	6	40	36.66
06M13	13	19	22	30	6	60	36.66
06M14	14	21	22	30	7	60	36.66
06M15	15	22	22	30	7	60	40.80
06M16	16	24	22	30	8	60	40.80
06M17	17	25	22	30	9	60	40.80
06M18	18	26	22	30	9	60	40.80
0612M19	19	27.5	22	30	9.5	70	40.80
06M20	20	28	22	30	10	70	48.76
06M21	21	30	22	30	11	70	48.76
06M22	22	32	23	30	11	100	51.86
06M23	23	32	23	30	13	100	61.23
0606	3/8"	14.5	19	30	4	40	36.66
0607	7/16"	17	19	30	6	40	36.66
0608	1/2"	19	19	30	6	40	36.66
0609	9/16"	20	20	30	7	40	40.80
0610	5/8"	24	24	30	8	60	40.80
0611	11/16"	24	24	30	9	60	40.80
0612M19inch	3/4"	27.5	22	30	9.5	70	40.80
0613	13/16"	28	28	30	11	70	48.76
0614	7/8"	30	30	30	13	100	61.23

06ML 3/8”

Cap cheie tubulara impact 3/8" 6 laturi, lunga

- *patrat de antrenare 3/8” DIN 3121 - forma G 10*
- *hexagon interior conform DIN 475/2*





	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
06M6L	6	11	19	57	3	80	66.76
06M7L	7	12.5	19	65	3	80	66.76
06M8L	8	14.5	19	65	4	80	66.76
06M9L	9	15	19	65	4	80	66.76
06M10L	10	16	19	65	5	80	66.76
06M11L	11	17.5	19	65	5	80	66.76
06M12L	12	19	19	65	6	80	66.76

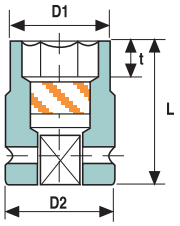
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
06M13L	13	20	22	65	6	120	70.38
06M14L	14	21	22	65	7	120	74.07
06M15L	15	22	22	65	7	120	74.07
06M16L	16	24	22	65	8	130	74.07
06M17L	17	25	22	65	9	130	74.07
06M18W06L	18	26	22	65	9	150	74.07
0612M19L	19	27.5	22	65	9.5	150	74.07
06M20L	20	28	22	65	10	150	79.75
06M21W07L	21	30	22	65	11	180	86.53
06M22L	22	32	23	65	11	200	86.53
06M23L	23	32	23	65	13	200	89.41
0606L	3/8"	14.5	19	65	4	80	66.76
0607L	7/16"	17	19	65	6	80	66.76
0608L	1/2"	19	19	65	6	80	66.76
0609L	9/16"	22	22	65	7	120	74.14
0610L	5/8"	24	24	65	8	130	74.14
0611L	11/16"	24	24	65	9	130	74.21
0612M19Linch	3/4"	27.5	22	65	9.5	150	74.07
0613L	13/16"	28	28	65	11	160	86.75
0614L	7/8"	30	30	65	13	200	89.41

06MM 3/8”

Cap cheie tubulara de impact cu magnet 3/8" 6 laturi, scurta

- *patrat de antrenare 3/8” DIN 3121 - forma G 10*
- *hexagon interior conform DIN 475/2*
- *cu magnet permanent puternic*





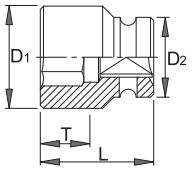
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
06M06M	6	11	19	30	3	40	66.84
06M07M	7	12.5	19	30	3	40	66.84
06M08M	8	14.5	19	30	4	40	66.84
06M09M	9	15	19	30	4	40	66.84
06M10M	10	16	19	30	5	40	66.84
06M11M	11	17.5	19	30	5	40	66.84
06M12M	12	19	19	30	6	40	66.84
06M13M	13	19	22	30	6	60	66.84
06M14M	14	21	22	30	7	60	66.84
06M15M	15	22	22	30	7	60	74.29
06M16M	16	24	22	30	8	60	74.29
06M17M	17	25	22	30	9	60	74.29
06M18M	18	26	22	30	9	60	74.29
0612M19M	19	27.5	22	30	9.5	70	74.29
0606M	3/8"	14.5	19	30	4	40	66.84
0607M	7/16"	17	19	30	6	40	66.84
0608M	1/2"	19	19	30	6	40	66.84
0609M	9/16"	20	20	30	7	40	74.29
0610M	5/8"	24	24	30	8	60	74.29
0611M	11/16"	25	22	30	9	60	74.29
0612M19Minch	3/4"	27.5	22	30	9.5	70	74.29

NOU

Capete chei tubulare de impact scurte 3/8"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *in conformitate cu standardul ISO 2725-2(numai dimensiunile in mm)*





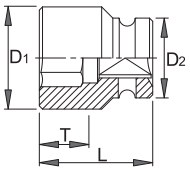
		L				
60881	6	28	45	4B	10	25.30
60882	8	28	45	4B	10	25.30
60883	9	28	45	4B	10	25.30
60884	10	30	45	4B	10	25.30
60885	11	30	61	4B	10	25.30
60886	12	30	55	4B	10	25.30
60887	13	30	58	4B	10	25.30
60888	14	30	65	4B	10	25.30
60889	15	30	69	4B	10	25.30
60890	16	30	66	4B	10	25.30
60891	17	30	73	4B	10	28.29
60892	18	30	86	4B	10	28.29
60893	19	30	86	4B	10	28.29

NOU

Capete chei tubulare de impact lungi 3/8"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *in conformitate cu standardul ISO 2725-2(numai dimensiunile in mm)*





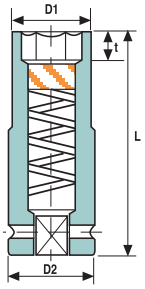
		L				
60894	6	63	55	4B	10	40.11
60895	8	63	55	4B	10	40.11
60896	9	63	55	4B	10	40.11
60897	10	63	55	4B	10	40.11
60898	11	63	71	4B	10	40.11
60899	12	63	75	4B	10	40.11
60900	13	63	78	4B	10	40.11
60901	14	63	75	4B	10	40.11
60902	15	63	79	4B	10	40.11
60903	16	63	76	4B	10	40.11
60904	17	63	83	4B	10	41.25
60905	18	63	96	4B	10	41.25
60906	19	63	96	4B	10	41.25

06MLM 3/8”

Cap cheie tubulara de impact cu magnet 3/8" 6 laturi, lunga

- *patrat de antrenare 3/8" DIN 3121 - forma G 10*
- *hexagon interior conform DIN 475/2*
- *cu magnet permanent puternic*





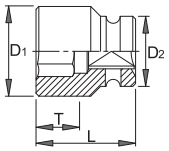
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
06M06LM	6	11	19	57	3	80	178.45
06M07LM	7	12.5	19	65	3	80	178.45
06M08LM	8	14.5	19	65	4	80	178.45
06M09LM	9	15	19	65	4	80	178.45
06M10LM	10	16	19	65	5	80	178.45
06M11LM	11	17.5	19	65	5	80	178.45
06M12LM	12	19	19	65	6	80	178.45
06M13LM	13	19	22	65	6	120	187.89
06M14LM	14	21	22	65	7	120	197.93
06M15LM	15	22	22	65	7	120	197.93
06M16LM	16	24	22	65	8	130	197.93
06M17LM	17	25	22	65	9	130	197.93
06M18LM	18	26	22	65	9	150	197.93
0612M19LM	19	27.5	22	65	9.5	150	197.93
0606LM	3/8"	14.5	19	65	4	80	178.45
0607LM	7/16"	17	19	65	6	80	178.45
0608LM	1/2"	19	19	65	6	80	178.45
0609LM	9/16"	20	20	65	7	120	197.93
0610LM	5/8"	24	24	65	8	130	197.93
0611LM	11/16"	25	22	65	9	130	197.93
0612M19LMinch	3/4"	27.5	22	65	9.5	150	197.93

710 L

Capete chei tubulare de impact lungi 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





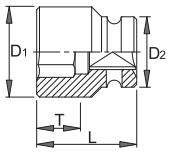
		D2	D1	L	T				
1000071050	8	13,3	19	50	6,5	51	1C	5	77.75
1000071051	9	14,5	19	50	7,5	55	1C	5	77.75
1000071052	10	15,8	19	50	8,5	67	1C	5	65.57
1000071053	11	17,0	19	65	9,5	81	1C	5	77.75
1000071054	12	18,3	19	50	10,5	62	1C	5	77.75
1000071055	13	19,5	22	50	11,5	79	1C	5	68.85
1000071056	14	20,8	22	50	12,5	100	1C	5	68.85
1000071057	15	21,9	22	50	13,5	83	1C	5	68.85
1000171062	16	23,2	22	65	14,5	85	1C	5	70.00
1000071058	17	24,4	22	50	15,5	93	1C	5	70.00
1000171012	18	25,7	22	65	16,5	96	1C	5	70.00
1000071059	19	26,9	22	50	17,0	127	1C	5	70.00

710 FM

Capete chei tubulare de impact lungi 3/8" cu magnet

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





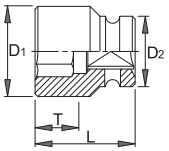
		D2	D1	L	T				
1000071060	8	13,3	19	55	4,0	54	1C	5	**216.43**
1000071061	10	15,8	19	55	4,5	62	1C	5	**216.43**
1000071062	13	19,5	22	55	5,5	94	1C	5	**221.44**

710 G

Capete chei tubulare de impact articulata 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





		D2	D1	L	T				
1000071070	10	19	15,8	57	7,0	115	1C	5	**418.23**
1000071072	10	19	14,3	150	7,0	131	1C	5	**475.31**
1000071076	12	19	18,3	57	9,0	115	1C	5	**442.76**
1000071078	12	19	18,0	150	8,0	133	1C	5	**516.59**
1000071079	13	22	19,5	57	10,0	115	1C	5	**447.70**
1000071081	13	19	19,3	150	8,5	132	1C	5	**520.57**

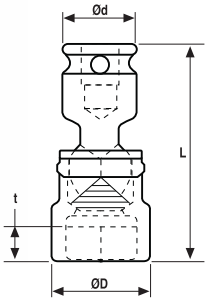


UB06 3/8"

Cap cheie tubulara articulat 3/8", varianta scurta

- *patrat de antrenare 3/8" DIN 3121 - forma G 10*
- *hexagon interior conform DIN 475/2*





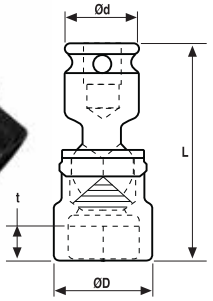
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
UB06M9	9	15	22	60	4	80	**172.18**
UB06M10	10	16	22	60	5	80	**172.18**
UB06M11	11	17.5	22	60	5	80	**172.18**
UB06M12	12	19	22	60	6	90	**175.65**
UB06M13	13	19	22	60	6	90	**175.65**
UB06M14	14	21	22	60	7	100	**179.78**
UB06M15	15	22	22	60	7	100	**179.78**
UB06M16	16	24	22	60	8	110	**181.99**
UB06M17	17	25	22	60	9	110	**184.06**
UB06M18	18	26	22	60	9	120	**184.06**
UB06M19	19	27.5	22	60	9.5	120	**186.20**
UB06M20	20	28	22	60	10	130	**186.20**
UB06M21	21	30	22	60	11	130	**205.08**
UB06M22	22	32	22	60	11	140	**224.04**
UB0606	3/8"	15	22	60	4	80	**172.18**
UB0607	7/16"	17.5	22	60	5	80	**175.65**
UB0608	1/2"	19	22	60	6	90	**175.65**
UB0609	9/16"	20	22	60	7	100	**179.78**
UB0610	5/8"	24	22	60	8	110	**181.99**
UB0611	11/16"	25	22	60	9	110	**184.06**
UB0612	3/4"	27.5	22	60	9.5	120	**186.20**
UB0613	13/16"	28	22	60	11	130	**205.08**
UB0614	7/8"	32	22	60	13	140	**224.04**

UB06L 3/8"

Cap cheie tubulara articulat 3/8", varianta lunga

- *patrat de antrenare 3/8" DIN 3121 - forma G 10*
- *hexagon interior conform DIN 475/2*





	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
UB06M9L	9	15	22	150	4	140	**192.91**
UB06M10L	10	16	22	150	5	140	**192.91**
UB06M11L	11	17.5	22	150	5	140	**192.91**
UB06M12L	12	19	22	150	6	150	**196.67**
UB06M13L	13	19	22	150	6	150	**196.67**
UB06M14L	14	21	22	150	7	160	**200.88**

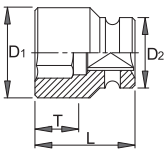
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
UB06M15L	15	22	22	150	7	160	**200.88**
UB06M16L	16	24	22	150	8	170	**202.94**
UB06M17L	17	25	22	150	9	170	**205.08**
UB06M18L	18	26	22	150	9	180	**205.08**
UB06M19L	19	27.5	22	150	9.5	180	**207.22**
UB06M20L	20	28	22	150	10	190	**207.22**
UB06M21L	21	30	22	150	11	190	**226.11**
UB06M22L	22	32	22	150	11	200	**245.51**
UB0606L	3/8"	15	22	150	4	140	**192.91**
UB0607L	7/16"	17.5	22	150	5	140	**192.91**
UB0608L	1/2"	19	22	150	6	150	**192.91**
UB0609L	9/16"	20	22	150	7	160	**200.88**
UB0610L	5/8"	24	22	150	8	170	**202.94**
UB0611L	11/16"	25	22	150	9	170	**205.08**
UB0612L	3/4"	27.5	22	150	9.5	180	**207.22**
UB0613L	13/16"	28	22	150	11	190	**226.11**
UB0614L	7/8"	32	22	150	13	200	**245.51**

710 SF

Capete chei tubulare de impact scurte 3/8" cu profil de protectie

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





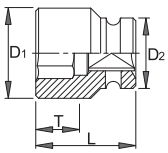
		D2	D1	L	T				
1000071101	10	19	16,0	32	8,0	42	1C	5	**59.07**
1000071102	11	19	17,5	32	9,0	43	1C	5	**59.07**
1000071103	13	22	20,0	32	9,0	57	1C	5	**60.16**
1000071104	15	22	22,0	32	11,0	62	1C	5	**61.06**
1000071105	16	22	24,0	32	11,0	57	1C	5	**61.06**
1000071106	17	22	25,0	32	11,0	67	1C	5	**61.06**
1000071107	18	22	26,0	32	11,0	74	1C	5	**61.06**
1000071108	19	22	28,0	32	11,0	81	1C	5	**61.06**

710 SFM

Capete chei tubulare de impact scurte 3/8" cu profil de protectie si magnet

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





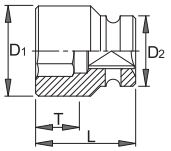
		D2	D1	L	T				
1000071110	10	19	16,0	32	4,5	46	1C	5	**93.55**
1000071112	13	22	20,0	32	6,0	66	1C	5	**99.45**
1000071114	16	22	24,0	32	7,5	81	1C	5	**99.45**
1000071115	17	22	25,0	32	7,5	80	1C	5	**99.45**

710 DS

Capete chei tubulare de impact 12 laturi 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: hexagon DIN / ISO 691 - dublu hexagon*





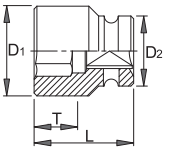
		D2	D1	L	T				
1000071120	9	19	14,5	32	5,5	33	1C	5	**58.17**
1000071121	10	19	15,8	32	5,5	43	1C	5	**58.17**
1000071122	11	19	17,0	32	6,5	38	1C	5	**58.17**
1000071123	13	22	19,5	32	8,5	56	1C	5	**59.07**
1000071124	15	22	21,9	32	9,5	67	1C	5	**59.07**
1000071125	17	22	24,5	32	10,0	70	1C	5	**60.16**
1000071126	19	22	27,0	32	10,0	64	1C	5	**60.16**

710 FL

Capete chei tubulare de impact lungi 3/8" cu cuplare rapida pe surub

- *cuplarea este posibila fara pornirea si oprirea sculei pentru fiecare piulita*
- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





		D2	D1	L	T				
1000071130	10	19	15,8	32	8,0	43	1C	5	**83.59**
1000071131	11	19	17,0	32	8,0	44	1C	5	**83.59**
1000071132	12	19	18,3	32	9,0	47	1C	5	**83.59**
1000071133	13	22	19,5	32	9,0	56	1C	5	**84.62**
1000071134	14	22	20,8	32	11,0	56	1C	5	**84.62**
1000071135	15	22	22,0	32	11,0	57	1C	5	**85.71**
1000071136	16	22	23,3	32	11,0	59	1C	5	**90.59**
1000071137	17	22	24,5	32	12,0	61	1C	5	**91.56**
1000071138	18	22	25,8	32	13,0	65	1C	5	**92.52**
1000071139	19	22	27,0	32	13,0	67	1C	5	**93.55**

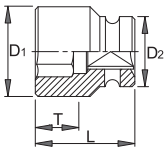


711 L

Capete chei tubulare de impact lungi cu pereti subtiri 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





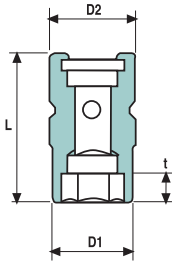
		D2	D1	L	T				
1000071162	8	18,5	12,3	50	7,0	46	1C	5	88.99
1000071164	10	18,5	14,8	50	9,0	47	1C	5	88.99
1000071165	11	18,5	16,0	50	10,5	56	1C	5	88.99
1000071166	12	18,5	17,3	50	12,0	53	1C	5	88.99
1000071167	13	21,5	18,5	50	12,0	68	1C	5	98.43
1000071168	14	21,5	19,8	50	14,0	71	1C	5	98.43
1000071169	15	21,5	21,0	50	15,0	109	1C	5	98.43
1000071170	16	21,5	22,3	50	15,0	81	1C	5	100.54
1000071171	17	21,5	23,5	50	15,0	116	1C	5	100.54
1000071172	18	21,5	24,8	50	18,0	92	1C	5	110.05
1000071173	19	21,5	26,0	50	18,0	126	1C	5	110.05

LOV06M 3/8"

Cap cheie tubulara de impact cu nivel de vibratii scazut "LOV" 3/8", standard

- *patrat de antrenare (interior) 3/8" DIN 3121 - forma G 10*
- *capete de impact "LOV" (LOSS OF VIBRATION)*
- *pentru utilizare cu masini electrice / pneumatice pulsatorii*





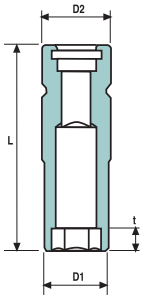
	Dimensiune	D1	D2	L	t min	
	MM/inch	mm	mm	mm	mm	
LOV06M06	6	11	19	43	10	111.25
LOV06M07	7	13	19	43	10	111.25
LOV06M08	8	15	19	43	10	111.25
LOV06M09	9	15	19	43	10	111.25
LOV06M10	10	16	19	43	12	117.44
LOV06M11	11	18	19	43	12	117.44
LOV06M12	12	19	19	43	12	117.44
LOV06M13	13	19	22	43	12	123.49
LOV06M14	14	21	22	43	12	123.49
LOV06M15	15	22	22	43	12	123.49
LOV06M16	16	24	22	43	12	123.49
LOV06M17	17	25	22	43	13	135.59
LOV06M18	18	26	22	43	13	135.59
LOV0612M19	19	28	22	43	13	135.59
LOV06M20	20	28	22	43	13	135.59
LOV06M21	21	30	22	43	13	147.84
LOV0606	3/8"	15	19	43	10	111.25
LOV0607	7/16"	18	19	43	12	117.44
LOV0608	1/2"	19	19	43	12	117.44
LOV0609	9/16"	21	22	43	12	123.49
LOV0610	5/8"	24	22	43	12	123.49
LOV0611	11/16"	25	22	43	13	135.59
LOV0612M19inch	3/4"	28	22	43	13	135.59
LOV0613	13/16"	28	22	43	13	135.59

LOV06ML100 3/8"

Cap cheie tubulara de impact cu nivel de vibratii scazut "LOV" 3/8", 100 mm

- *patrat de antrenare (interior) 3/8" DIN 3121 - forma G 10*
- *capete de impact "LOV" (LOSS OF VIBRATION)*
- *pentru utilizare cu masini electrice / pneumatice pulsatorii*





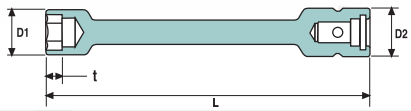
	Dimensiune	D1	D2	L	t min	
	MM/inch	mm	mm	mm	mm	
LOV06M06L100	6	11	19	100	10	251.41
LOV06M07L100	7	13	19	100	10	251.41
LOV06M08L100	8	15	19	100	10	251.41
LOV06M09L100	9	15	19	100	10	251.41
LOV06M10L100	10	16	19	100	12	251.41
LOV06M11L100	11	18	19	100	12	251.41
LOV06M12L100	12	19	19	100	12	251.41
LOV06M13L100	13	19	22	100	12	251.41
LOV06M14L100	14	21	22	100	12	251.41
LOV06M15L100	15	22	22	100	12	251.41
LOV06M16L100	16	24	22	100	12	251.41
LOV06M17L100	17	25	22	100	13	287.93
LOV06M18L100	18	26	22	100	13	287.93
LOV0612M19L100	19	28	22	100	13	287.93
LOV06M20L100	20	28	22	100	13	287.93
LOV06M21L100	21	30	22	100	13	333.66
LOV0606L100	3/8"	15	19	100	10	251.41
LOV0607L100	7/16"	18	19	100	12	251.41
LOV0608L100	1/2"	19	19	100	12	251.41
LOV0609L100	9/16"	21	22	100	12	251.41
LOV0610L100	5/8"	24	22	100	12	251.41
LOV0611L100	11/16"	25	22	100	13	287.93
LOV0612M19L100inch	3/4"	28	22	100	13	287.93
LOV0613L100	13/16"	28	22	100	13	287.93

LOV06ML150 3/8"

Cap cheie tubulara de impact cu nivel de vibratii scazut "LOV" 3/8", 150 mm

- *patrat de antrenare (interior) 3/8" DIN 3121 - forma G 10*
- *capete de impact "LOV" (LOSS OF VIBRATION)*
- *pentru utilizare cu masini electrice / pneumatice pulsatorii*





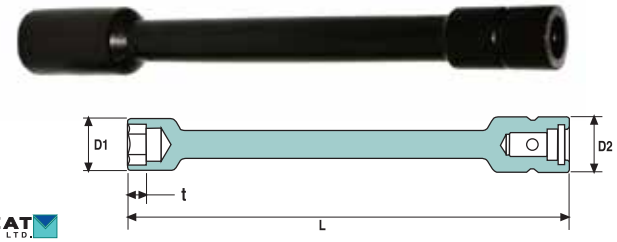
	Dimensiune	D1	D2	L	t min	
	MM/inch	mm	mm	mm	mm	
LOV06M06L150	6	11	19	150	10	278.78
LOV06M07L150	7	13	19	150	10	278.78
LOV06M08L150	8	15	19	150	10	278.78
LOV06M09L150	9	15	19	150	10	278.78
LOV06M10L150	10	16	19	150	12	278.78
LOV06M11L150	11	18	19	150	12	278.78
LOV06M12L150	12	19	19	150	12	278.78
LOV06M13L150	13	19	22	150	12	278.78
LOV06M14L150	14	21	22	150	12	278.78
LOV06M15L150	15	22	22	150	12	278.78

	Dimensiune	D1	D2	L	t min	
	MM/inch	mm	mm	mm	mm	
LOV06M16L150	16	24	22	150	12	278.78
LOV06M17L150	17	25	22	150	13	303.27
LOV06M18L150	18	26	22	150	13	303.27
LOV0612M19L150	19	28	22	150	13	303.27
LOV06M20L150	20	28	22	150	13	303.27
LOV06M21L150	21	30	22	150	13	358.08
LOV0606L150	3/8"	15	19	150	10	278.78
LOV0607L150	7/16"	18	19	150	12	278.78
LOV0608L150	1/2"	19	19	150	12	278.78
LOV0609L150	9/16"	21	22	150	12	278.78
LOV0610L150	5/8"	24	22	150	12	278.78
LOV0611L150	11/16"	25	22	150	13	303.27
LOV0612M19L150inch	3/4"	28	22	150	13	303.27
LOV0613L150	13/16"	28	22	150	13	303.27

LOV06ML200 3/8”

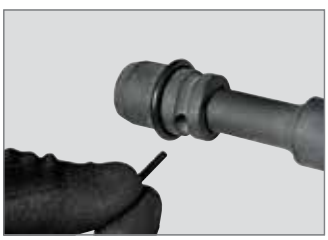
Cap cheie tubulara de impact cu nivel de vibratii scazut "LOV" 3/8", 200 mm

- *patrat de antrenare (interior) 3/8" DIN 3121 - forma G 10*
- *capete de impact "LOV" (LOSS OF VIBRATION)*
- *pentru utilizare cu masini electrice / pneumatice pulsatorii*



OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	
	MM/inch	mm	mm	mm	mm	
LOV06M06L200	6	11	19	200	10	294.05
LOV06M07L200	7	13	19	200	10	294.05
LOV06M08L200	8	15	19	200	10	294.05
LOV06M09L200	9	15	19	200	10	294.05
LOV06M10L200	10	16	19	200	12	294.05
LOV06M11L200	11	18	19	200	12	294.05
LOV06M12L200	12	19	19	200	12	324.52
LOV06M13L200	13	19	22	200	12	324.52
LOV06M14L200	14	21	22	200	12	324.52
LOV06M15L200	15	22	22	200	12	358.08
LOV06M16L200	16	24	22	200	12	358.08
LOV06M17L200	17	25	22	200	13	358.08
LOV06M18L200	18	26	22	200	13	358.08
LOV0612M19L200	19	28	22	200	13	358.08
LOV06M20L200	20	28	22	200	13	358.08
LOV06M21L200	21	30	22	200	13	391.50
LOV0606L200	3/8"	15	19	200	10	294.05
LOV0607L200	7/16"	18	19	200	12	294.05
LOV0608L200	1/2"	19	19	200	12	324.52
LOV0609L200	9/16"	21	22	200	12	324.52
LOV0610L200	5/8"	24	22	200	12	358.08
LOV0611L200	11/16"	25	22	200	13	358.08
LOV0612M19L200inch	3/4"	28	22	200	13	358.08
LOV0613L200	13/16"	28	22	200	13	358.08



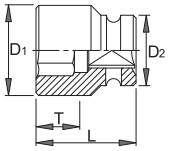


710 E

Capete chei tubulare de impact cu profil TORX® interior 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8”*
- *conform DIN 3121 - G 10*
- *deschidere: profil E pentru suruburi cu capTORX®*





ASW wekador

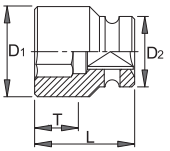
		D2	D1	L	T				
1000071140	E 5	19	9,0	32	4,0	38	1C	5	59.07
1000071141	E 6	19	10,2	32	4,0	40	1C	5	59.07
1000171008	E 7	19	10,2	32	5,0	42	1C	5	60.16
1000071142	E 8	19	10,5	32	5,0	42	1C	5	60.16
1000071143	E 10	19	12,5	32	6,5	44	1C	5	60.16
1000071144	E 12	19	14,9	32	8,0	46	1C	5	60.16
1000071145	E 14	19	17,2	32	9,0	44	1C	5	60.16

710 EM

Capete chei tubulare de impact cu profil TORX® interior si magnet 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8”*
- *conform DIN 3121 - G 10*
- *deschidere: profil E pentru suruburi cu capTORX®*





ASW wekador

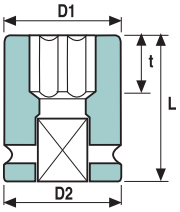
		D2	D1	L	T				
1000071146	E 8	19	10,5	32	5	45	1C	5	95.67
1000071147	E 10	19	12,5	32	6	47	1C	5	95.67
1000071148	E 12	19	14,9	32	8	49	1C	5	95.67
1000071149	E 14	19	17,2	32	8,5	47	1C	5	95.67

06E 3/8”

Cap cheie tubulara impact 3/8" cu profil TORX® interior

- *patrat de antrenare 3/8" DIN 3121 - forma G 10*
- *profil E pentru TORX® interior*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	TORX	mm	mm	mm	mm	gr	
06E05	E5	9	19	32	5	40	35.63
06E06	E6	10	19	32	5	40	35.63
06E07	E7	10	19	32	7	40	35.63
06E08	E8	10.5	19	32	8	40	35.63
06E10	E10	12.5	19	32	9	40	35.63
06E11	E11	14.5	19	32	9	45	35.63
06E12	E12	15	19	32	10	45	35.63
06E14	E14	17.5	19	32	12	45	35.63
06E16	E16	19	19	32	12	45	35.63

714

Capete chei tubulare de impact cu profil TORX® exterior 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: TX pentru suruburi cu cap TORX® interior*



		D2	L	T				
1000071401	TX 20	19	50	3,0	71	1C	5	**103.43**
1000071402	TX 25	19	50	3,0	71	1C	5	**103.43**
1000071403	TX 27	19	50	3,8	71	1C	5	**103.43**
1000071404	TX 30	19	50	3,8	41	1C	5	**63.93**
1000071405	TX 40	19	50	4,3	41	1C	5	**63.93**
1000171401	TX 45	19	50	5,0	65	1C	5	**63.93**
1000171406	TX 50	19	50	5,5	74	1C	5	**63.93**

715 E

Bit de impact cu profil hexagon 7/16"

- *material: crom molibden*
- *deschidere: 7/16" hexagon DIN/ISO 2936*



		L					
1000071551	HX 5	35	17	1C	5	**63.95**
1000071552	HX 6	35	18	1C	5	**63.95**
1000071553	HX 8	35	22	1C	5	**63.95**
1000071554	HX 10	35	25	1C	5	**63.95**
1000071555	HX 12	35	30	1C	5	**78.65**
1000071556	HX 14	35	36	1C	5	**78.65**
1000071557	HX 17	35	48	1C	5	**83.59**

715

Capete chei tubulare de impact cu profil hexagon exterior 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: hexagon DIN/ISO 2936*



		L					
1000071501	HX 5	35	17	1C	5	**63.93**
1000071502	HX 6	35	18	1C	5	**63.93**
1000071503	HX 8	35	22	1C	5	**63.93**
1000071504	HX 10	35	25	1C	5	**63.93**
1000071505	HX 12	35	30	1C	5	**65.57**
1000071506	HX 14	35	36	1C	5	**65.57**

715 H

Adaptor pentru biti interschimbabili 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: hexagon 11 mm*



		D2	D1	L				
1000071550	11	22	22	32	70	1C	5	**147.54**

716

Capete chei tubulare de impact cu profil XZN exterior 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: XZN DIN 2325*



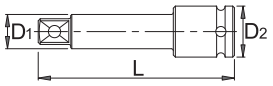
		D2	L	T				
1000071603	M 6	19	50	7,0	69	1C	5	**129.89**
1000071604	M 8	19	50	9,0	69	1C	5	**129.89**
1000071605	M 10	19	50	9,0	53	1C	5	**157.43**
1000071606	M 12	19	50	11,0	75	1C	5	**166.29**

230.4/4

Prelungitor de impact 3/8"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





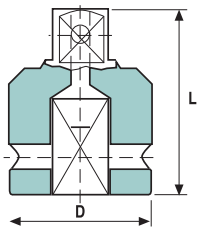
		L	D1	D2				
612075	3/8"	75	12.5	19	83	1E	10	**70.82**
612076	3/8"	125	12.5	19	127	1E	10	**78.85**

A06 3/8"

Adaptor de impact 3/8"-1/2"

- *patrat de antrenare (interior) 3/8" DIN 3121 - forma G 10*
- *patrat exterior 1/2"*





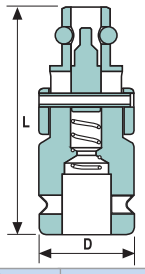
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
A0608	3/8"	1/2"	22	33	60	**76.43**

QCAD06 3/8”

Adaptor de impact cu schimbare rapida 3/8"

- *patrat de antrenare (interior) 3/8” DIN 3121 - forma G 10*
- *patrat exterior 3/8”*





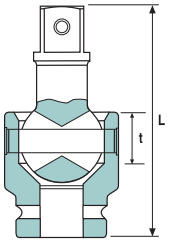
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
QCAD06	3/8"	3/8"	20	46	60	432.07

U0606 3/8”

Intermediar cardanic de impact 3/8"

- *patrat de antrenare (interior) 3/8” DIN 3121 - forma G 10*
- *patrat exterior 3/8”*





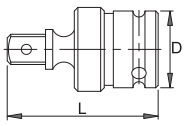
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
U0606	3/8"	3/8"	20,4	50	130	144.66

230.6/4

Intermediar cardanic de impact 3/8"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





		D	L				
612077	3/8"	23.9	51	98	1E	10	155.08

510 NOU

Prelungitor 3/8”

- *actionare: patrat 3/8”, DIN 3121 Forma G 10*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*



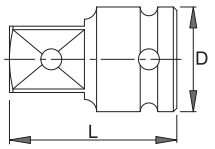
		E	A	L	D2				
60963		3/8"	3/8"	75	19	68	1C	1	49.99
60964		3/8"	3/8"	150	19	75	1C	1	61.13
60965		3/8"	3/8"	200	19	164	1C	1	100.08
60966		3/8"	3/8"	300	22	213	1C	1	111.28

230.7/4

Adaptor de impact 3/8"-1/2"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





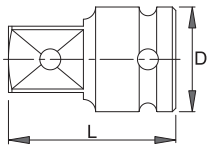
		D	L				
612078	3/8" - 1/2"	22	36	67	1E	10	58.03

NOU

Adaptor de impact 3/8"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





		D	L			
60191	3/8" - 1/4"	22	36	67	10	20.88
60992	3/8" - 1/2"	22	36	67	10	22.83

510

Prelungitor 3/8”

- *actionare: patrat 3/8”, DIN 3121 Forma G 10*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*



		E	A	L	D2				
1000005101	510 - 1	3/8"	3/8"	50	19	68	1C	1	122.12
1000005102	510 - 2	3/8"	3/8"	75	19	75	1C	1	85.25
1000005103	510 - 3	3/8"	3/8"	150	19	164	1C	1	97.54
1000005104	510 - 4	3/8"	3/8"	200	22	213	1C	1	205.65
1000005105	510 - 5	3/8"	3/8"	300	22	307	1C	1	221.44

510

Prelungitor cu bila 3/8”

- *actionare: patrat 1/4”, DIN 3121 Forma G 10*
- *deschidere: patrat, Forma A cu bila*



		E	A	L	D2				
1000005111	510-1-W	3/8"	3/8“	50	19	68	1C	1	165.46
1000005112	510-2-W	3/8“	3/8“	75	19	75	1C	1	171.62
1000005113	510-3-W	3/8“	3/8“	150	19	164	1C	1	184.85

710 SWH

Prelungitor cu eliberare rapida 3/8”

- *actionare: patrat 3/8”, DIN 3121 Forma G 10*
- *deschidere: patrat, Forma A cu bila*



		E	A	L	D2				
1000071950	710 SWH	3/8'	3/8"	46	20	72	1C	1	485.41

410

Adaptor patrat interior 3/8”- patrat exterior 1/4” si 3/8”

- *actionare: patrat 3/8”, DIN 3121 Forma G 10*
- *deschidere: patrat, DIN 3121 Forma A*



		E	A	L	D2				
1000004101	410-1	3/8”	1/4”	32	19,0	29	1C	1	132.90
1000004102	410-2	3/8”	1/2”	36	22,0	61	1C	1	67.21

410 KG

Intermediar cardanic 3/8”

- *actionare: patrat 1/4”, DIN 3121 Forma G 6.3*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*



		E	A	L	Ø	D2				
1000004103	410 KG-2	3/8”	3/8”	60	25,0	22	126	1C	1	249.95

E060 3/8”

Prelungitor de impact 3/8"

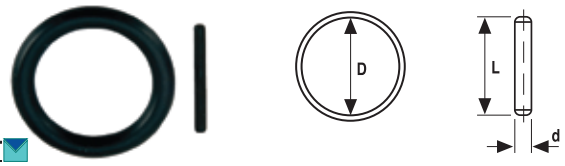
- *patrat de antrenare (interior) 3/8” DIN 3121 - forma G 10*
- *patrat exterior 3/8”*



	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
E0603	3/8"	3/8"	19	75	150	42.42
E0604	3/8"	3/8"	19	100	190	44.63
E0605	3/8"	3/8"	19	125	240	50.53
E0606	3/8"	3/8"	19	150	300	55.18

R06 3/8”

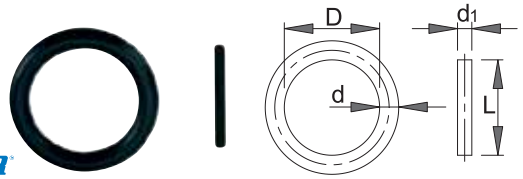
Inel cu stift de siguranta 3/8"



	Patrat	Tip	Cap tubular	d	L	D	
				mm	mm	mm	
P0619	3/8"	pin	6-19 mm	2,5	14	-	5.02
P0622	3/8"	pin	20-23 mm	2,5	16	-	5.02
R0619	3/8"	inel	6-19 mm	-	-	14	8.48
R0622	3/8"	inel	20-23 mm	-	-	15,5	8.48

230.8/4

Accesorii pentru capete chei tubulare de impact 3/8"



		D	d	L	d1				
612079	6 - 12	16	2.4	15	2.5	7	1E	10	5.25
612080	13 - 21	19	2.4	18	2.5	7	1E	10	5.25

Inel retentie



	D2	mm				
60720	19	4		1C		2.70
60721	24	4		1C		2.70

Pin blocare



	D2	mm				
60722	20	3		1C		2.70
60723	25	3		1C		2.70

710 GR

Inel retentie



	D2	mm				
1000071900	19	≤ SW12		1C		13.68
1000071901	22	> SW 12		1C		14.57

710 ST

Pin blocare



	D2	mm				
1000071910	19	≤ SW12		1C		4.62
1000071911	22	> SW 12		1C		5.39

700 DF2

Clema blocare



	D2				
199921	13		1C		37.50

Capetele tubulare de impact suporta un cuplu 100% mai mare decat o cheie standard cu clichet, de aceea cheile acestea sunt in mod deosebit potrivite pentru scule pneumatice care cer un cuplu ridicat



710 KS40 OL

NOU

Trusa capete chei tubulare de impact 3/8” 40 piesein cutie plastic

- *piesa de conectare E6.3 3/8" x50mm*
- *extensie 3/8“ Vkt 75mm*
- *extensie 3/8“ Vkt 150mm*
- *piesa de conectare 3/8“ D6.3*



026355	7 - 19	1125	1G	1	la cerere

710 (SW7 SW8 SW9 SW10 SW11 SW12 SW13 SW14 SW15 SW16 SW17 SW18 SW19),
710E (E6 E7 E8 E10 E12 E14), PH1, PH2, PH3
H5 H6 H8 T15 T20 T25 T27 T30 T40 T45 T50 XZN5 XZN6 XZN8
Adaptor E6.3 3/8" x50mm; Prelungitor 3/8“ 75mm
Prelungitor 3/8“ 150mm; Adaptor 3/8“ D6.3

SET-06-01 3/8”

Trusa capete tubulare de impact scurte 3/8" 8-19 mm/8 piese

- *patrat de antrenare (interior) 3/8” DIN 3121 - forma G 10*



	Dimensiune	
SET-06-01	8-19 mm / 8 piese 8, 9, 10, 11, 13, 15, 17, 19	311.46

SET-06-02 3/8”

Trusa capete tubulare de impact lungi 3/8" 8-19 mm/8 piese

- *patrat de antrenare (interior) 3/8” DIN 3121 - forma G 10*



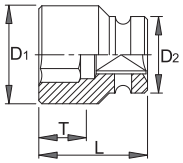
	Dimensiune	
SET-06-02	8-19 mm / 8 piese 8, 9, 10, 11, 13, 15, 17, 19	558.66

231/4 6p

Capete chei tubulare de impact 1/2"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *in conformitate cu standardul ISO 2725-2(numai dimensiunile in mm)*





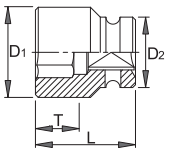
		D1	D2	L	T				
603962	10	17.5	25	38	12	94	4B	5	33.61
603963	11	18.7	25	38	12	95	4B	5	33.61
603964	12	20	25	38	12	95	4B	5	33.61
603965	13	21.3	25	38	12	96	4B	5	33.61
603966	14	22.5	25	38	12	95	4B	5	34.59
603967	15	23.7	30	38	12	140	4B	5	38.20
603968	16	25	30	38	12	143	4B	5	39.02
603969	17	26.2	30	38	13	140	4B	5	39.02
609399	18	27.5	30	38	13	135	4B	5	44.10
603970	19	28.7	30	38	13	126	4B	5	44.10
603971	21	30	30	38	13	139	4B	5	50.49
603972	22	32	30	38	13	133	4B	5	50.49
603973	23	32	30	38	13	183	4B	5	51.97
603974	24	35	30	45	20	235	4B	5	54.26
603975	27	38.7	30	50	24	235	4B	5	67.21
609400	28	40	30	50	24	255	4B	5	73.61
603976	30	42	30	50	24	259	4B	5	76.23
605548	32	42	30	50	24	72	4B	5	82.46

720

Capete chei tubulare de impact 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





		D2	D1	L	T				
1000072000	8	25	14,5	38	6,0	85	1C	5	59.07
1000072001	9	25	16,0	38	8,0	85	1C	5	59.07
1000072002	10	25	17,0	38	8,0	87	1C	5	42.62
1000072003	11	25	18,5	38	9,0	85	1C	5	42.62
1000072004	12	25	19,5	38	9,0	85	1C	5	42.62
1000072005	13	25	21,0	38	10,0	90	1C	5	42.62
1000072006	14	25	22,0	38	10,0	89	1C	5	42.62
1000072007	15	30	23,5	38	10,0	131	1C	5	45.90
1000072008	16	30	25,0	38	11,0	138	1C	5	45.90
1000072009	17	30	26,0	38	12,0	134	1C	5	45.90
1000072010	17 R	30	33,0	38	14,0	152	1C	5	91.56
1000072011	18	30	27,0	38	13,0	135	1C	5	45.90
1000072012	19	30	28,0	38	13,0	130	1C	5	45.90
1000072013	19 R	30	33,0	38	18,0	159	1C	5	91.56
1000072014	20	30	30,0	38	13,0	124	1C	5	49.18
1000072015	21	30	31,0	38	13,0	118	1C	5	49.18
1000072016	22	30	32,5	38	13,0	134	1C	5	49.18
1000072017	24	30	35,0	45	14,0	178	1C	5	54.10

		D2	D1	L	T				
1000072018	27	30	39,0	50	16,0	220	1C	5	54.10
1000072019	30	30	42,0	50	17,0	236	1C	5	63.93
1000172016	32	30	44,0	50	28,0	216	1C	5	78.69
1000172012	36	30	48,0	50	28,0	280	1C	5	88.52
1000072020	3/8"	25	16,0	38	8,0	74	1C	5	59.07

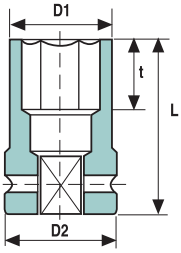
08T 1/2”

Cap cheie tubulara impact cu pereti subtiri 1/2" 6 laturi, scurta

1/2" 125mm

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
08M13T	13	20.5	25	38	38	70	55.84
08M14T	14	21.5	25	38	38	72	55.84
08M15T	15	23.5	30	38	38	110	55.84
08M16T	16	24.5	30	38	38	110	61.75
08M17T	17	25	30	38	38	110	61.75
08M18T	18	25	30	38	38	110	61.75
0812M19T	19	27	30	38	38	110	61.75
08M20T	20	28	30	38	38	110	77.83
08M21T	21	29.5	30	38	38	119	79.60
08M22T	22	30	30	38	38	119	83.58
08M23T	23	31.5	30	38	38	140	85.57
08M24T	24	33	30	45	45	160	95.53
0809T	9/16"	21.5	24	38	38	72	55.84
0810T	5/8"	24.5	25	38	38	70	61.75
0811T	11/16"	24.5	25	38	38	70	61.75
0812M19Tinch	3/4"	27	30	38	38	110	61.75
0813T	13/16"	28	30	38	38	110	79.60
0814T	7/8"	30	30	38	38	120	85.57
0815T	15/16"	33	30	38	38	160	95.53

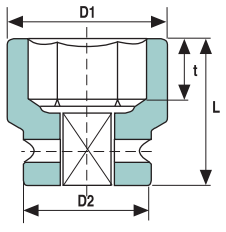
08K 1/2”

Cap cheie tubulara impact cu perete gros 1/2", 6 laturi

1/2" 125mm

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
08M17K	17	30	30	45	11	170	61.16
0812M19K	19	33	30	45	13	190	62.70
0812M19Kinch	3/4"	33	30	45	13	190	62.70

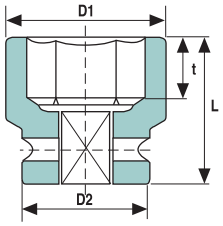
08 1/2”

Cap cheie tubulara impact 1/2" 6 laturi, scurta

1/2" 125mm

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
08M8	8	15	25	38	4	60	39.91
08M9	9	16	25	38	4	85	39.91
08M10	10	17	25	38	5	90	39.91
08M11	11	19	25	38	5	90	39.91
08M12	12	20	25	38	6	90	39.91
08M13	13	21	25	38	6	90	39.91
08M14	14	22	25	38	7	90	39.91
08M15	15	24	30	38	7	130	44.26
08M16	16	25	30	38	8	130	44.26
08M17	17	26	30	38	9	130	44.26
08M18	18	27.5	30	38	9	130	44.26
0812M19	19	27.5	30	38	9.5	130	44.26
08M20	20	30	30	38	10	130	52.89
08M21	21	30	30	38	11	130	52.89
08M22	22	32	30	38	11	140	56.36
08M23	23	32	30	38	13	140	66.54
08M24	24	35	30	45	13	170	66.54
08M25	25	35	30	45	13	170	66.54
08M26	26	38	30	50	13	200	71.11
0817M27	27	38	30	50	13	260	91.03
08M28	28	38	30	50	14	260	91.03
08M29	29	41	30	50	16.5	290	95.24
0819M30	30	41	30	50	16.5	290	95.24
08M31	31	44	30	50	16.5	290	95.24
08M32	32	44	30	50	17	300	95.24
08M33	33	45	30	50	17	300	96.27
08M34	34	49	35	46	19	300	111.32
0822M35	35	49	38	50	19	300	133.45
08M36	36	49	35	50	19	300	133.45
08M37	37	52	38	50	19	400	143.78
0824M38	38	52	38	50	22	400	150.20
0806	3/8"	16	22	38	4	85	39.91
0807	7/16"	18	25	38	6	90	39.91
0808	1/2"	20	25	38	6	90	39.91
0809	9/16"	22	25	38	7	90	39.91
0810	5/8"	25	25	38	8	80	44.26
0811	11/16"	25	25	38	9	80	44.26
0812M19inch	3/4"	27.5	30	38	9.5	130	44.26
0813	13/16"	30	30	38	11	130	52.89
0814	7/8"	32	30	38	13	140	56.36
0815	15/16"	35	30	38	13	160	66.54
0816	1"	35	30	38	13	200	71.11
0817M27inch	1 1/16"	38	30	50	13	260	91.03
0818	1 1/8"	38	30	40	16.5	220	95.24
0819M30inch	1 3/16"	41	30	50	16.5	290	95.24
0820	1 1/4"	44	35	40	17	240	95.24

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
0821	1 5/16"	45	35	43	19	260	**111.32**
0822M35inch	1 3/8"	49	38	50	19	300	**133.45**
0823	1 7/16"	49	38	50	19	300	**143.78**
0824M38inch	1 1/2"	52	38	50	22	400	**150.20**

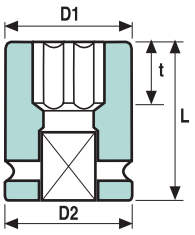
08SD 1/2”

Cap cheie tubulara impact cu profil de protectie 1/2" 6 laturi, scurta

1/2" 12,5mm

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*





OZAT 2000 LTD.

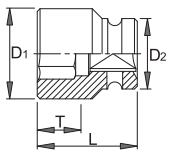
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
08M13SD	13	21	25	31	6	70	**53.56**
08M14SD	14	22	25	31	7	70	**53.56**
08M15SD	15	24	30	33	7	120	**53.56**
08M16SD	16	25	30	33	8	120	**76.57**
08M17SD	17	26	30	35	9	130	**76.57**
08M18SD	18	28	30	35	9	130	**76.57**
0812M19SD	19	28	30	35	9.5	130	**76.57**
08M20SD	20	30	30	35	10	130	**84.17**
08M21SD	21	30	30	35	11	130	**84.17**
08M22SD	22	32	30	37	11	170	**84.17**
0808SD	1/2"	20	22	31	6	70	**53.56**
0809SD	9/16"	22	25	31	7	70	**53.56**
0810SD	5/8"	25	25	33	8	90	**53.56**
0811SD	11/16"	25	25	35	9	110	**76.57**
0812M19SDinch	3/4"	28	30	35	9.5	130	**76.57**
0813SD	13/16"	30	30	35	11	130	**84.17**
0814SD	7/8"	32	30	39	13	17	**91.84**

720 SF

Capete chei tubulare de impact cu profil de protectie 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2”*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





ASW wekador

		D2	D1	L	T				
1000072111	10	25	17,5	38	10,0	78	1C	5	**63.95**
1000072113	13	25	21,0	38	10,0	87	1C	5	**63.95**
1000072114	15	30	23,7	38	11,0	120	1C	5	**66.97**
1000072115	16	30	25,0	38	11,0	120	1C	5	**66.97**
1000072116	17	30	26,0	38	12,0	126	1C	5	**66.97**
1000072117	18	30	27,5	38	13,0	121	1C	5	**66.97**
1000072118	19	30	28,7	38	13,0	125	1C	5	**66.97**
1000072119	21	30	30,0	38	13,0	120	1C	5	**71.72**
1000072120	22	30	32,0	38	13,0	131	1C	5	**71.72**

NOU

Capete chei tubulare de impact scurte 1/2"

1/2"



cobit tool technology

		L				
60637	8	38	80			**24.13**
60638	9	38	80			**24.13**
60639	10	38	94			**24.13**
60640	11	38	95			**24.13**
60641	12	38	95			**24.13**
10060	13	38	96			**24.13**
60642	14	38	96			**24.13**
60643	15	38	95			**24.99**
60644	16	38	140			**24.99**
10061	17	38	143			**25.53**
60645	18	38	140			**25.53**
10062	19	38	135			**27.54**
60646	20	38	126			**26.35**
10063	21	38	139			**27.97**
60647	22	38	133			**27.97**
60648	23	40	183			**30.67**
10064	24	40	235			**32.35**
60649	27	42	235			**35.65**
60650	30	44	255			**43.39**
60651	32	44	259			**49.39**

NOU

Capete chei tubulare de impact lungi 1/2"

1/2"



cobit tool technology

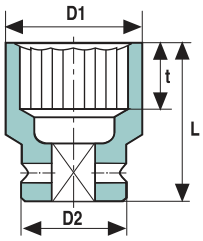
		L				
60652	8	78	80			**38.25**
60653	9	78	80			**38.25**
60654	10	78	94			**38.25**
60655	11	78	95			**38.25**
60656	12	78	95			**38.25**
60657	13	78	96			**38.25**
60658	14	78	96			**39.82**
60659	15	78	95			**39.82**
60660	16	78	140			**39.82**
60661	17	78	143			**40.63**
60662	18	78	140			**40.63**
60663	19	78	135			**41.87**
60664	20	78	126			**41.87**
60665	21	78	139			**44.36**
60666	22	78	133			**44.36**
60667	23	78	183			**51.45**
60668	24	78	235			**51.45**
60669	27	78	235			**56.59**
60670	30	78	255			**68.70**
60671	32	78	259			**78.55**

08SDH 1/2”

Cap cheie tubulara impact 1/2" 12 laturi, scurta

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *dublu hexagon interior conform DIN 475/2*





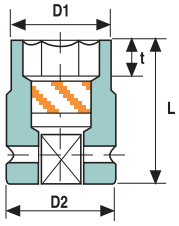
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
08M8DH	8	15	25	38	4	60	53.48
08M9DH	9	16	25	38	4	85	53.48
08M10DH	10	17	25	38	5	90	53.48
08M11DH	11	19	25	38	5	90	53.48
08M12DH	12	20	25	38	6	90	54.59
08M13DH	13	21	25	38	6	90	54.59
08M14DH	14	22	25	38	7	90	54.59
08M15DH	15	24	30	38	7	130	68.02
08M16DH	16	25	30	38	8	130	68.02
08M17DH	17	26	30	38	9	130	69.34
08M18DH	18	27.5	30	38	9	130	69.34
0812M19DH	19	27.5	30	38	9.5	130	76.87
08M20DH	20	30	30	38	10	130	76.87
08M21DH	21	30	30	38	11	140	76.87
08M22DH	22	32	30	38	11	140	76.87
08M23DH	23	32	30	38	13	170	77.09
08M24DH	24	35	30	45	13	170	83.14
08M25DH	25	35	30	45	13	200	83.14
08M26DH	26	38	30	50	13	260	88.82
0817M27DH	27	38	30	50	13	260	113.61
08M28DH	28	38	30	50	14	290	113.61
08M29DH	29	41	30	50	16.5	290	118.62
0819M30DH	30	41	30	50	16.5	290	118.62
08M31DH	31	44	30	50	16.5	290	118.62
08M32DH	32	44	30	50	17	300	118.62
08M33DH	33	45	30	50	17	300	138.84
08M34DH	34	49	35	46	19	300	166.20
0822M35DH	35	49	38	50	19	300	166.20
08M36DH	36	49	35	50	19	300	166.20
08M37DH	37	52	38	47	19	400	178.97
0824M38DH	38	52	38	50	22	400	187.16
0811DH	11/16"	25	25	38	9	130	69.34
0812M19DHinch	3/4"	27.5	30	38	9.5	130	76.87
0813DH	13/16"	30	30	38	11	140	76.87
0814DH	7/8"	32	30	38	13	160	76.87
0815DH	15/16"	35	30	38	13	200	83.14
0816DH	1"	35	30	38	13	260	88.82
0817M27DHinch	1 1/16"	38	30	50	13	220	113.61
0818DH	1 1/8"	38	30	40	16.5	290	118.62
0819M30DHinch	1 3/16"	41	30	50	16.5	300	118.62
0820DH	1 1/4"	44	35	40	17	300	118.62
0821DH	1 5/16"	45	35	43	19	300	138.84
0822M35DHinch	1 3/8"	49	38	50	19	300	166.20
0823DH	1 7/16"	49	38	50	19	400	178.97
0824M38DHinch	1 1/2"	52	38	50	22	400	187.16

08MM 1/2”

Cap cheie tubulara de impact cu magnet 1/2" 6 laturi, scurta

- *patrat de antrenare 1/2” DIN 3121 - forma G 12,5*
- *hexagon interior conform DIN 475/2*
- *cu magnet permanent puternic*





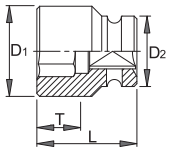
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
08M10M	10	17	25	38	5	90	72.59
08M11M	11	19	25	38	5	80	72.59
08M12M	12	20	25	38	6	90	72.59
08M13M	13	21	25	38	6	90	72.59
08M14M	14	22.5	25	38	7	90	72.59
08M15M	15	23.7	30	38	7	130	80.11
08M16M	16	25	30	38	8	130	80.11
08M17M	17	26	30	38	9	130	80.11
08M18M	18	27.5	30	38	9	130	80.11
0812M19M	19	28.7	30	38	9.5	130	80.11
0806M	3/8"	16	25	38	4	80	72.59
0807M	7/16"	19	25	38	6	80	72.59
0808M	1/2"	20	25	38	6	90	72.59
0809M	9/16"	22	25	38	7	90	72.59
0810M	5/8"	25	25	38	8	90	80.11
0811M	11/16"	26	26	38	9	90	80.11
0812M19Minch	3/4"	28.7	30	38	9.5	130	80.11

720 M

Capete chei tubulare de impact 1/2" cu magnet

- *material: crom molibden*
- *actionare: patrat 1/2”*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





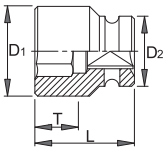
		D2	D1	L	T				
1000072031	10	25	17,5	38	4,0	79	1C	5	98.43
1000072032	11	25	18,7	38	5,0	82	1C	5	98.43
1000072033	12	25	20,0	38	5,0	84	1C	5	98.43
1000072034	13	25	21,0	38	5,0	91	1C	5	98.43
1000072035	14	25	22,5	38	6,0	91	1C	5	98.43
1000072036	15	30	23,7	38	6,0	136	1C	5	103.43
1000072037	16	30	25,0	38	6,0	136	1C	5	103.43
1000072038	17	30	26,5	38	6,0	143	1C	5	104.40
1000072039	18	30	27,5	38	7,0	142	1C	5	104.40
1000072040	19	30	29,0	38	7,0	152	1C	5	104.40
1000072041	3/8"	25	17,4	38	4,0	85	1C	5	98.43
1000072042	1/2"	25	21,0	38	5,0	86	1C	5	98.43

720 DS

Capete chei tubulare de impact 12 laturi 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





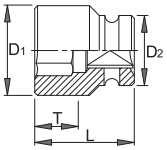
		D2	D1	L	T				
1000072190	9	24	15,0	38	12,0	77	1C	5	63.95
1000072191	10	24	17,0	38	12,0	67	1C	5	63.95
1000072192	11	24	18,0	38	12,0	83	1C	5	63.95
1000072193	13	24	20,0	38	12,0	68	1C	5	63.95
1000072194	15	30	24,0	38	12,0	123	1C	5	66.97
1000072195	16	30	24,0	38	12,0	126	1C	5	66.97
1000072196	17	30	26,0	38	13,0	128	1C	5	66.97
1000072197	18	30	26,0	38	13,0	135	1C	5	66.97
1000072198	19	30	28,0	38	13,0	122	1C	5	66.97
1000072199	21	30	30,0	38	13,0	117	1C	5	71.72
1000072200	22	30	32,0	38	13,0	128	1C	5	71.72

721

Capete chei tubulare de impact scurte cu pereti subtiri 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





		D2	D1	L	T				
1000072250	10	22	15,5	38	12,0	50	1C	5	69.15
1000072251	11	22	16,7	38	12,0	45	1C	5	69.15
1000072252	12	22	18,0	38	12,0	52	1C	5	69.15
1000072253	13	22	19,2	38	12,0	57	1C	5	69.15
1000072254	14	24	21,0	38	12,0	55	1C	5	72.23
1000072255	15	24	21,7	38	12,0	55	1C	5	72.23
1000072256	16	24	23,0	38	12,0	65	1C	5	72.23
1000072257	17	24	24,0	38	13,0	72	1C	5	72.23
1000072258	18	25	25,0	38	13,0	83	1C	5	72.23
1000072259	19	26	26,0	38	13,0	87	1C	5	72.23
1000072260	21	28	29,5	38	13,0	101	1C	5	79.68
1000072261	22	29,5	30,9	38	13,0	123	1C	5	79.68

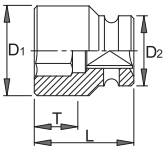


720 VK

Capete chei tubulare de impact 4 laturi 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: patrat*





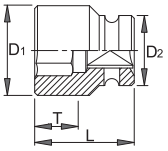
		D2	D1	L	T				
1000072225	10	25,0	21,5	40	10,0	87	1C	5	151.91
1000072226	12	25,0	24,0	40	12,0	98	1C	5	151.91
1000072227	13	30,0	26,0	40	12,0	150	1C	5	151.91
1000172007	14	30,0	27,5	40	20,0	150	1C	5	168.60
1000072228	17	30,0	32,0	40	20,0	157	1C	5	197.94
1000072229	19	30,0	36,0	45	20,0	350	1C	5	197.94
1000072230	22	30,0	42,0	45	20,0	410	1C	5	232.42
1000072231	24	30,0	44,0	50	22,0	429	1C	5	255.54

721 SF

Capete chei tubulare de impact cu pereti subtiri si profil de protectie 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





		D2	D1	L	T				
1000072275	10	22	15,5	38	12,0	50	1C	5	75.44
1000072276	11	22	16,7	38	12,0	48	1C	5	75.44
1000072278	13	22	19,2	38	12,0	52	1C	5	75.44
1000072279	14	24	21,0	38	12,0	55	1C	5	78.52
1000072280	15	24	21,7	38	12,0	57	1C	5	78.52
1000072281	16	24	23,0	38	12,0	75	1C	5	78.52
1000072282	17	24	24,0	38	13,0	66	1C	5	78.52
1000072283	18	25	25,0	38	13,0	71	1C	5	78.52
1000072284	19	26	26,0	38	13,0	79	1C	5	78.52
1000072285	21	28	29,5	38	13,0	89	1C	5	85.97
1000072286	22	29,5	30,9	38	13,0	102	1C	5	85.97

2309

NOU

Cap cheie tubulara de impact, patrat de antrenare de 1/2", lunga, cu profil subtiat, pentru roti

1/2"

- *extra lunga cu diamteru redus*



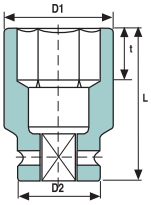
		d1	d2	L	t			
SW 23090017	17	25,7	30	110	68	242	2	299.03
SW 23090019	19	28,2	30	110	67,5	257	2	299.03
SW 23090022	22	32	30	110	66,5	311	2	334.62
SW 23090221	21	30,7	30	110	66,5	272	2	334.62

08L 1/2”

Cap cheie tubulara impact 1/2" 6 laturi, lunga

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*





OZAT 2000 LTD.

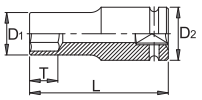
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
08M8L	8	15	25	78	4	160	72.52
08M9L	9	16	25	78	4	160	72.52
08M10L	10	17	25	78	5	160	72.52
08M11L	11	19	25	78	5	160	72.52
08M12L	12	20	25	78	6	170	72.52
08M13L	13	21	25	78	6	170	76.43
08M14L	14	22	25	78	7	170	76.43
08M15L	15	24	30	78	7	240	80.48
08M16L	16	25	30	78	8	250	80.48
08M17L	17	26	30	78	9	250	80.48
08M18L	18	27.5	30	78	9	260	80.48
0812M19L	19	28	30	78	9.5	250	80.48
08M20L	20	30	30	78	10	280	86.83
08M21L	21	30	30	78	11	250	94.13
08M22L	22	32	30	78	11	280	94.13
08M23L	23	32	30	78	13	280	97.16
08M24L	24	35	30	78	13	300	102.32
08M25L	25	35	30	78	13	300	115.45
08M26L	26	38	30	78	13	380	115.45
0817M27L	27	38	30	78	13	430	115.45
08M28L	28	38	30	78	14	430	126.89
08M29L	29	41	30	78	16.5	430	151.38
0819M30L	30	41	30	78	16.5	430	151.38
08M31L	31	44	30	78	16.5	500	160.52
08M32L	32	44	30	78	17	500	160.52
08M33L	33	45	30	78	17	550	168.34
08M34L	34	49	35	78	19	600	168.34
0822M35L	35	49	38	78	19	600	188.19
08M36L	36	49	35	78	19	600	188.19
08M37L	37	52	38	78	19	790	207.15
0824M38L	38	52	38	78	22	790	207.15
0806L	3/8"	16	22	78	4	140	72.52
0807L	7/16"	18	22	78	6	140	72.52
0808L	1/2"	20	22	78	6	140	76.43
0809L	9/16"	22	25	78	7	200	76.43
0810L	5/8"	25	25	78	8	200	80.48
0811L	11/16"	25	25	78	9	190	80.48
0812M19Linch	3/4"	28	30	78	9.5	250	80.48
0813L	13/16"	30	30	78	11	280	86.83
0814L	7/8"	32	30	78	13	280	94.13
0815L	15/16"	35	30	78	13	300	102.32
0816L	1"	35	30	78	13	380	115.45
0817M27Linch	1 1/16"	38	30	78	13	430	115.45
0818L	1 1/8"	38	30	78	16.5	480	126.89
0819M30Linch	1 3/16"	41	30	78	16.5	430	151.38
0820L	1 1/4"	44	35	78	17	500	160.52
0821L	1 5/16"	45	35	78	19	550	168.34
0822M35Linch	1 3/8"	49	38	78	19	600	188.19
0823L	1 7/16"	49	38	78	19	600	207.15
0824M38Linch	1 1/2"	52	38	78	22	790	207.15

231/4L6p

Capete chei tubulare de impact lungi 1/2"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *in conformitate cu standardul ISO 2725-2(numai dimensiunile in mm)*





UNIOR

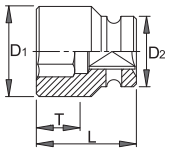
		D1	D2	L	T				
607918	10	17.5	25	78	14	144	4B	5	56.07
607919	11	18.7	25	78	14	166	4B	5	56.07
607920	12	20	25	78	14	160	4B	5	56.07
607921	13	21.3	25	78	14	168	4B	5	56.07
607922	14	22.5	25	78	17	174	4B	5	56.07
607923	15	23.7	30	78	17	226	4B	5	66.89
607924	16	25	30	78	17	259	4B	5	66.89
607925	17	26.2	30	78	17	244	4B	5	66.89
609401	18	27.5	30	78	17	257	4B	5	66.89
607926	19	28.7	30	78	19	265	4B	5	66.89
607927	21	30	30	78	24	280	4B	5	66.89
607928	22	32	30	78	24	292	4B	5	69.84
607929	23	32	30	78	24	275	4B	5	70.98
607930	24	35	30	78	24	337	4B	5	81.48
607931	27	38.7	30	78	24	395	4B	5	90.00
609402	28	40	30	78	24	395	4B	5	95.41
607932	30	42	30	78	24	432	4B	5	93.93
607933	32	44	30	78	24	421	4B	5	99.02

NOU

Capete chei tubulare 1/2" cu 8 laturi

- *material: crom molibden*
- *actionare: patrat 1/2”*





EGA Master
ART IN INNOVATION

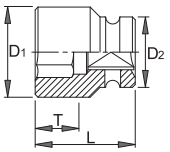
		D2	D1	L	T		
56350	3/8"	19	24	38	6	70	88.56
56351	7/16"	21	24	38	8	75	88.56
56352	1/2"	24	24	38	9	80	88.56
56353	9/16"	26	26	38	11	95	104.92
56354	5/8"	28	28	38	11	110	113.18
56355	11/16"	30	30	38	11	125	120.91
56356	3/4"	34	34	40	13	180	133.70
56357	13/16"	36	36	40	15	195	141.66
56358	7/8"	38	38	40	15	220	153.33
56359	15/16"	42	38	45	18	285	177.50
56360	1"	44	38	45	18	300	181.29
56361	1.1/16"	46,5	46,5	50	19	430	232.60
56362	1.1/8"	49	49	50	19	605	232.60

720 L

Capete chei tubulare lungi de impact 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





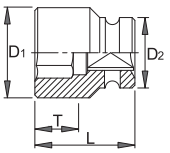
		D2	D1	L	T				
1000072060	8	25	15,0	78	9,0	137	1C	5	87.64
1000072061	10	25	17,5	78	12,0	140	1C	5	63.93
1000072062	13	25	21,0	78	12,0	160	1C	5	63.93
1000072063	14	25	22,5	78	12,0	167	1C	5	63.93
1000172028	15	30	23,5	75	12,0	226	1C	5	65.57
1000072064	16	30	25,0	78	12,0	239	1C	5	65.57
1000072065	17	30	26,0	78	13,0	236	1C	5	65.57
1000072066	18	30	27,5	78	13,0	252	1C	5	65.57
1000072067	19	30	28,7	78	13,0	251	1C	5	65.57
1000072068	21	30	31,0	78	13,0	273	1C	5	68.03
1000072069	22	30	32,0	78	13,0	289	1C	5	68.03
1000072070	24	30	35,0	78	20,0	325	1C	5	68.85
1000072071	27	30	38,5	78	24,0	366	1C	5	70.49
1000172032	30	30	42,5	78	22,0	410	1C	5	75.41
1000172033	32	30	44,0	78	32,0	402	1C	5	91.80
1000172072	36	30	48,0	78	36,0	470	1C	5	104.92

720 SFL

Capete chei tubulare lungi de impact cu profil de protectie 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





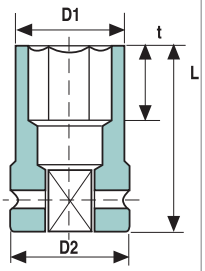
		D2	D1	L	T				
1000072121	10	25	17,5	83	10,0	136	1C	5	127.00
1000072123	12	25	20,0	83	13,0	155	1C	5	127.00
1000072124	13	25	21,0	83	14,0	160	1C	5	127.00
1000072125	14	25	22,3	83	15,0	172	1C	5	128.99
1000072126	15	30	23,6	83	16,0	230	1C	5	128.99
1000072127	16	30	25,0	83	17,0	235	1C	5	128.99
1000072128	17	30	26,0	83	17,0	250	1C	5	128.99
1000072129	18	30	27,5	83	17,0	263	1C	5	132.90
1000072149	19	30	28,7	83	19,0	255	1C	5	132.90

08LT 1/2”

Cap cheie tubulara impact cu pereti subtiri 1/2" 6 laturi, lunga

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*





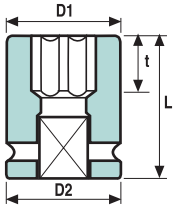
	Dimensiune MM/inch	D1 mm	D2 mm	L mm	t min mm	Greutate gr	
08M13LT	13	20.5	25	78	6	240	117.59
08M14LT	14	21.5	25	78	7	240	117.59
08M15LT	15	23.5	30	78	7	240	117.59
08M16LT	16	24.5	30	78	8	240	121.50
08M17LT	17	25	30	78	9	240	121.50
08M18LT	18	25	30	78	9	230	121.50
0812M19LT	19	27	30	78	9.5	230	121.50
08M20LT	20	28	30	78	10	230	133.45
08M21LT	21	29.5	30	78	11	230	144.59
08M22LT	22	30	30	78	11	230	144.59
08M23LT	23	32	30	78	13	230	149.31
08M24LT	24	33	30	78	13	230	157.20
0809LT	9/16"	21.5	25	78	7	240	117.59
0810LT	5/8"	24.5	25	78	8	240	117.59
0811LT	11/16"	24.5	25	78	9	230	121.50
0812M19LTinch	3/4"	27	30	78	9.5	230	121.50
0813LT	13/16"	28	30	78	11	230	133.45
0814LT	7/8"	30	32	78	13	230	144.59
0815LT	15/16"	33	30	78	13	230	157.20

08SDL 1/2”

Cap cheie tubulara impact cu profil de protectie 1/2" 6 laturi, lunga

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*





	Dimensiune MM/inch	D1 mm	D2 mm	L mm	t min mm	Greutate gr	
08M13SDL	13	21	25	78	6	230	101.14
08M14SDL	14	22	25	78	7	230	101.14
08M15SDL	15	24	30	78	7	320	101.14
08M16SDL	16	25	30	78	8	320	107.19
08M17SDL	17	26	30	78	9	320	107.19
08M18SDL	18	28	30	78	9	320	107.19
0812M19SDL	19	28	30	78	9.5	320	107.19
08M20SDL	20	30	30	78	10	320	117.66
08M21SDL	21	30	30	78	11	320	117.66
08M22SDL	22	32	30	78	11	330	117.66

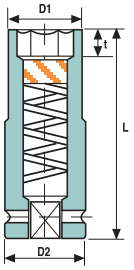
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
0808SDL	1/2"	20	22	78	6	230	101.14
0809SDL	9/16"	22	25	78	7	230	101.14
0810SDL	5/8"	25	25	78	8	230	101.14
0811SDL	11/16"	25	25	78	9	230	107.19
0812M19SDLinch	3/4"	28	30	78	9.5	320	107.19
0813SDL	13/16"	30	30	78	11	320	117.66
0814SDL	7/8"	32	30	78	13	330	128.36

08MLM 1/2”

Cap cheie tubulara de impact cu magnet 1/2" 6 laturi, lunga

- *patrat de antrenare 1/2” DIN 3121 - forma G 12,5*
- *hexagon interior conform DIN 475/2*
- *cu magnet permanent puternic*





OZAT 2000 LTD.

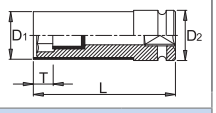
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
08M10LM	10	17	25	78	5	160	193.50
08M11LM	11	19	25	78	5	160	193.50
08M12LM	12	20	25	78	6	160	193.50
08M13LM	13	21	25	78	6	160	204.20
08M14LM	14	22.5	25	78	7	160	204.20
08M15LM	15	23.7	25	78	7	240	214.97
08M16LM	16	25	30	78	8	200	214.97
08M17LM	17	26	30	38	9	240	214.97
08M18LM	18	27.5	30	78	9	250	214.97
0812M19LM	19	28.7	30	78	9.5	250	214.97
0806LM	3/8"	16	25	78	4	140	193.50
0807LM	7/16"	19	25	78	6	140	193.50
0808LM	1/2"	20	25	78	6	140	204.20
0809LM	9/16"	22	25	78	7	160	204.20
0811LM	11/16"	26	26	78	9	190	214.97
0812M19LMinch	3/4"	28.7	30	78	9.5	250	214.97

NOU

Capete de impact 1/2" pentru roti din aliaj

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *cu protectie din plastic*





ASW wekador

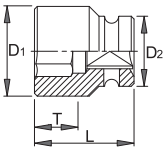
		D1	D2	L	T				
1000072811	17	27	30	85	14	225	4B	5	129.18
1000072812	19	29	30	85	15	237	4B	5	129.18
1000072813	21	31	30	85	17	262	4B	5	129.18

721 L

Capete chei tubulare de impact lungi cu pereti subtiri 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2”*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





ASW wekador

		D2	D1	L	T				
1000072262	10	22	15,5	78	14,0	99	1C	5	114.16
1000072265	13	24	19,2	78	14,0	125	1C	5	114.16
1000072266	14	24	21,0	78	17,0	130	1C	5	114.16
1000072268	16	24	23,0	78	17,0	152	1C	5	119.42
1000072269	17	24	24,0	78	17,0	144	1C	5	123.53
1000072270	18	25	25,0	78	17,0	195	1C	5	123.53
1000072271	19	26	26,0	78	19,0	217	1C	5	123.53
1000072272	21	28	28,0	78	24,0	242	1C	5	124.62
1000072273	22	29,5	29,5	78	24,0	284	1C	5	128.86

231/4PPB

Trusa capete chei tubulare 1/2" de impact pentru jante de aliaj in cutie de plastic

- *Dimensiunea cutiei : 197 x 167 x 47*



UNIOR

619965	17 - 21 / 3	920	1G	1	394.59

231/4P(17, 19, 21), **981PBM1**(197 x 167 x 47)

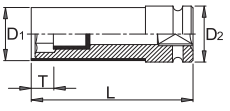
231/4PL

Capete chei tubulare de impact 1/2" pentru jante din aliaj, varianta lunga

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *cu protectie din plastic*



UNIOR



		D1	D2	L	T				
619015	17	27	25	130	24	305	4B	5	172.46
619016	19	29	30	130	24	360	4B	5	181.64
619017	21	31	30	130	24	405	4B	5	192.62

231/4P.1

Protectie de plastic pentru 231P



UNIOR

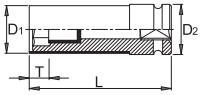
616767	17	12	1E	5	6.89
616768	19	13	1E	5	6.89
616769	21	13	1E	5	6.89

231/4P

Capete de impact 1/2" pentru roti din aliaj

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *cu protectie din plastic*





UNIOR

		D1	D2	L	T				
616763	17	27	30	85	14	225	4B	5	108.20
616764	19	29	30	85	15	237	4B	5	108.20
616765	21	31	30	85	17	262	4B	5	109.84

720 RS 3

Trusa capete chei tubulare 1/2" de impact pentru jante de aliaj in cutie de plastic



ASW wekador

1020008857	17 - 21 / 3	920	1G	1	406.42

(17, 19, 21),

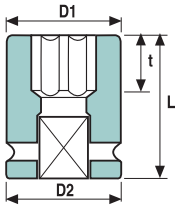
08AP 1/2”

Cap cheie tubulara impact cu profil protectie de aluminiu 1/2" 6 laturi, scurta

1/2" 125mm

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*
- *cu protectie pentru genti de aluminiu*





OZAT 2000 LTD.

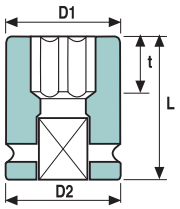
	Dimensiune MM/inch	D1 mm	D2 mm	L mm	t min mm	Greutate gr	
08M17AP	17	26	30	50	25	110	127.03
0812M19AP	19	28	30	50	25	110	127.03
08M21AP	21	30	30	50	25	110	151.38
0812M19APinch	3/4"	28	30	50	25	110	127.03
08013AP	13/16"	30	30	50	25	110	151.38

08LAP 1/2”

Cap cheie tubulara impact cu profil protectie de aluminiu 1/2" 6 laturi, lunga

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*
- *cu protectie pentru genti de aluminiu*





1/2" 125mm OZAT 2000 LTD.

	Dimensiune MM/inch	D1 mm	D2 mm	L mm	t min mm	Greutate gr	
08M17LAP	17	26	30	85	25	200	151.67
0812M19LAP	19	28	30	85	25	210	151.67
08M21LAP	21	30	30	85	25	220	180.44
0812M19LAPinch	3/4"	28	30	85	25	210	151.67

08Q 1/2”

Cap cheie tubulara de torsiune 1/2" 6 laturi

1/2" 125mm

- *ideal atunci cand strangerea piulitelor la roti trebuie realizata la un cuplu prestabilit*
- *absoarbe cu ajutorul torsiunii toata puterea suplimentara generata de cheia de impact*
- *realizata din otel de calitate superioara*



OZAT 2000 LTD.

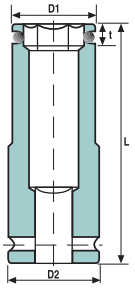
	Dimensiune MM/inch	D1 mm	D2 mm	L mm	t min mm	Torsiune Nm	Greutate gr	
08M17Q075	17 mm	26	30	205	24	75	290	326.07
08M17Q095	17 mm	26	30	205	24	95	300	326.07
08M17Q110	17 mm	26	30	205	24	110	320	326.07
08M19Q075	19 mm	28	30	205	24	75	290	330.05
08M19Q090	19 mm	28	30	205	24	90	300	330.05
08M19Q110	19 mm	28	30	205	24	110	330	330.05
08M19Q135	19 mm	28	30	205	24	135	360	330.05
08M21Q080	21 mm	30	30	205	24	80	290	361.40
08M21Q110	21 mm	30	30	205	24	110	330	361.40

08BB 1/2”

Cap cheie tubulara de impact cu inel de retinere 1/2", varianta scurta

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*
- *cu inel de retinere pentru suruburi*





OZAT 2000 LTD.

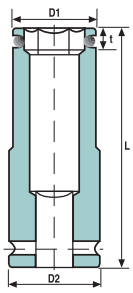
	Dimensiune	D1	D2	L	t min	
	MM/inch	mm	mm	mm	mm	
08M10BB	10		25	38	5	63.81
08M11BB	11		25	38	5	63.81
08M12BB	12		25	38	6	63.81
08M13BB	13		25	38	6	63.81
08M14BB	14		25	38	7	63.81
08M15BB	15		30	38	7	67.94
08M17BB	17		30	38	9	67.94
0812M19BB	19		30	38	10	67.94
08M20BB	20		30	38	10	103.50
08M21BB	21		30	38	11	103.50
08M22BB	22		30	38	11	90.30
08M23BB	23		30	38	13	106.52
08M24BB	24		30	45	13	106.52
0806BB	3/8"		22	38	4	63.81
0807BB	7/16"		22	38	6	63.81
0808BB	1/2"		22	38	6	63.81
0809BB	9/16"		25	38	7	63.81
0810BB	5/8"		25	38	8	67.94
0811BB	11/16"		25	38	9	67.94
0812M19BBinch	3/4"		30	38	10	67.94
0813BB	13/16"		30	38	11	103.50
0814BB	7/8"		30	38	13	90.30
0815BB	15/16"		30	38	13	106.52

08LBB 1/2”

Cap cheie tubulara de impact cu inel de retinere 1/2", varianta lunga

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*
- *cu inel de retinere pentru suruburi*





OZAT 2000 LTD.

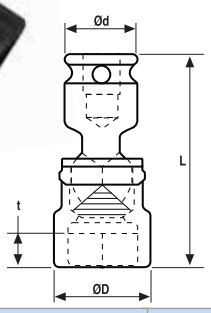
	Dimensiune	D1	D2	L	t min	
	MM/inch	mm	mm	mm	mm	
08M10LBB	10	17	25	78	5	130.13
08M11LBB	11	19	25	78	5	130.13
08M12LBB	12	20	25	78	6	130.13
08M13LBB	13	21	25	78	6	134.11
08M14LBB	14	22	25	78	7	134.11
08M15LBB	15	24	30	78	7	137.80
08M16LBB	16	25	30	78	8	#N/A
08M17LBB	17	26	30	78	9	137.80
08M18LBB	18	28	30	78	9	137.80
0812M19LBB	19	28	30	78	10	137.80
08M20LBB	20	30	30	78	10	156.17
08M21LBB	21	30	30	78	11	169.45
08M22LBB	22	32	30	78	11	174.84
08M23LBB	23	32	30	78	13	174.84
08M24LBB	24	35	30	78	13	184.06
0806LBB	3/8"	16	22	78	4	130.13
0807LBB	7/16"	18	22	78	6	130.13
0808LBB	1/2"	20	22	78	6	134.11
0809LBB	9/16"	22	25	78	7	134.11
0810LBB	5/8"	25	25	78	8	137.80
0811LBB	11/16"	25	25	78	9	137.80
0812M19LBB	3/4"	28	30	78	10	137.80
0813LBB	13/16"	30	30	78	11	169.45
0814LBB	7/8"	32	30	78	13	174.84
0815LBB	15/16"	35	30	78	13	184.06

UB08 1/2”

Cap cheie tubulara de impact articulata 1/2" 6 laturi varianta scurta

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*





OZAT 2000 LTD.

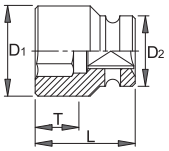
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
UB08M13	13	21	30	70	6	150	240.86
UB08M14	14	22	30	70	7	150	240.86
UB08M15	15	24	30	70	7	160	240.86
UB08M16	16	25	30	70	8	160	245.07
UB08M17	17	26	30	70	9	170	259.75
UB08M18	18	27.5	30	70	9	180	259.75
UB08M19	19	27.5	30	70	9.5	180	259.75
UB08M20	20	30	30	70	10	180	261.89
UB08M21	21	30	30	70	11	180	261.89
UB08M22	22	32	30	70	11	200	268.16
UB08M23	23	32	30	70	13	200	274.43
UB08M24	24	35	30	70	13	210	291.17
UB0809	9/16"	22	30	70	7	160	240.86
UB0810	5/8"	25	30	70	8	160	245.07
UB0811	11/16"	25	30	70	9	170	259.75
UB0812	3/4"	27.5	30	70	9.5	180	259.75
UB0813	13/16"	30	30	70	11	180	261.89
UB0814	7/8"	32	30	70	13	200	274.43
UB0815	15/16"	35	30	70	13	210	291.17

720 G

Capete chei tubulare articulate de impact 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN / ISO 691*





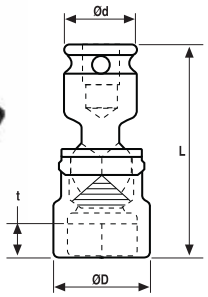
		D2	D1	L	T				
1000072080	13	25	20,5	68	6,0	210	1C	5	451.75
1000072086	15	30	23,0	70	7,0	210	1C	5	451.75
1000072088	15	25	22,0	150	9,0	200	1C	5	697.91
1000072089	16	30	24,5	70	8,0	206	1C	5	466.96
1000072090	16	25	24,0	100	8,0	220	1C	5	551.14
1000072091	16	25	23,0	150	9,5	200	1C	5	697.91
1000072092	17	30	25,7	70	8,0	220	1C	5	471.97
1000072094	17	25	25,0	150	9,5	200	1C	5	641.60
1000072095	18	30	27,0	65	9,0	220	1C	5	477.04
1000072096	18	30	27,5	100	8,5	230	1C	5	601.41
1000072097	18	25	26,0	150	11,0	210	1C	5	680.76
1000072098	19	30	28,0	65	14,0	225	1C	5	500.99
1000072100	19	25	28,0	150	11,5	215	1C	5	751.00

UB08L 1/2"

Cap cheie tubulara de impact articulata 1/2" 6 laturi varianta lunga

- *patrat de antrenare 1/2" DIN 3121 - G 12,5*
- *hexagon interior conform Hexagon DIN/ISO 691*





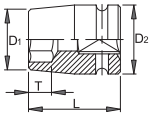
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
UB08M13L	13	21	30	150	6	230	262.84
UB08M14L	14	22	30	150	7	230	262.84
UB08M15L	15	24	30	150	7	250	262.84
UB08M16L	16	25	30	150	8	250	267.12
UB08M17L	17	26	30	150	9	300	281.73
UB08M18L	18	27.5	30	150	9	300	281.73
UB08M19L	19	27.5	30	150	9.5	300	281.73
UB08M20L	20	30	30	150	10	300	283.94
UB08M21L	21	30	30	150	11	300	283.94
UB08M22L	22	32	30	150	11	350	290.14
UB08M23L	23	32	30	150	13	350	296.41
UB08M24L	24	35	30	150	13	370	313.30
UB0809L	9/16"	22	30	150	7	230	262.84
UB0810L	5/8"	25	30	150	8	250	267.12
UB0811L	11/16"	25	30	150	9	300	281.73
UB0812L	3/4"	27.5	30	150	9.5	300	281.73
UB0813L	13/16"	30	30	150	11	300	283.94
UB0814L	7/8"	32	30	150	13	350	296.41
UB0815L	15/16"	35	30	150	13	370	313.30

720 E

Capete chei tubulare de impact cu profil TORX® interior 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: profil E pentru suruburi cu capTORX®*





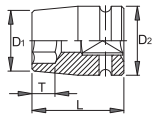
		D2	D1	L	T				
1000072130	E 10	25	15,0	38	7,0	85	1C	5	55.74
1000072131	E 12	25	16,0	38	8,0	87	1C	5	55.74
1000072132	E 14	25	18,5	38	9,0	91	1C	5	55.74
1000072133	E 16	25	20,0	38	10,0	91	1C	5	58.20
1000072134	E 18	25	22,0	38	11,0	92	1C	5	58.20
1000072135	E 20	30	25,0	38	12,5	140	1C	5	62.30
1000072136	E 24	30	30,0	45	14,0	165	1C	5	62.30

720 EM

Capete chei tubulare de impact cu profil TORX® interior si magnet 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: profil E pentru suruburi cu capTORX®*





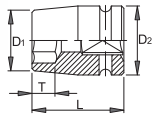
		D2	D1	L	T				
1000072137	E 10	25	15,0	38	7,0	87	1C	5	110.05
1000072138	E 12	25	16,0	38	8,0	87	1C	5	110.05
1000072139	E 14	25	18,5	38	9,0	95	1C	5	110.05
1000072140	E 16	25	20,0	38	10,0	94	1C	5	113.06
1000072141	E 18	25	22,0	38	11,0	98	1C	5	178.10

720 EL

Capete chei tubulare lungi de impact cu profil TORX® interior 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: profil E pentru suruburi cu capTORX®*





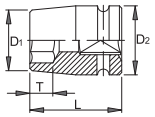
		D2	D1	L	T				
1000072142	E 10	25	14,0	80	7,0	136	1C	5	178.10
1000072143	E 12	25	15,0	80	8,0	140	1C	5	178.10
1000072144	E 14	25	18,0	80	9,0	148	1C	5	178.10
1000072145	E 16	25	19,0	80	10,0	150	1C	5	178.10
1000072146	E 18	30	22,0	80	11,0	210	1C	5	178.10
1000072147	E 20	30	24,0	80	13,0	239	1C	5	183.24

231/4TX

Capete chei tubulare de impact 1/2” cu profil TORX interior

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





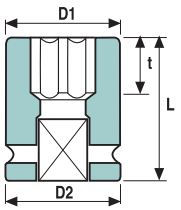
		D1	D2	L	T				
612880	E 10	15	25	38	7.5	90	4B	5	53.28
612881	E 12	16	25	38	8.5	90	4B	5	54.26
612882	E 14	18.5	25	38	10	95	4B	5	54.26
612883	E 16	20	25	38	11	95	4B	5	54.26
612884	E 18	22	25	38	12	95	4B	5	57.05
612885	E 20	25	30	38	13.5	145	4B	5	57.05
612886	E 24	28.5	30	45	21	170	4B	5	58.52

08E 1/2”

Cap cheie tubulara impact 1/2", profil TORX interior

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *profil E pentru suruburi cu cap TORX®*





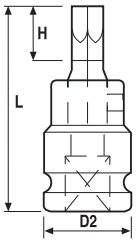
	Dimensiune TORX®	D1 mm	D2 mm	L mm	t min mm	Greutate gr	
08E10	E10	15	25	38	9	85	45.59
08E11	E11	15.5	25	38	9	85	45.59
08E12	E12	16	25	38	10	91	45.59
08E14	E14	18.5	25	38	12	91	45.59
08E16	E16	20	25	38	12	95	45.59
08E18	E18	22	25	38	12	95	45.59
08E20	E20	25	30	38	13	140	58.94
08E22	E22	26.5	30	45	15	158	58.94
08E24	E24	28.5	30	45	17	161	58.94

08T 1/2”

Cap cheie tubulara impact 1/2", profil TORX exterior

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*
- *profil TX pentru suruburi cu cap TORX®*
- *realizat din 2 piese*





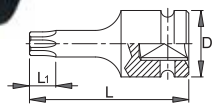
	Dimensiune TORX®	D1 mm	D2 mm	L mm	H min mm	Greutate gr	
08T30	T30		25	57	3.19	110	112.87
08T40	T40		25	57	3.3	110	112.87
08T45	T45		25	57	4.57	110	112.87
08T50	T50		25	57	4.57	110	112.87
08T55	T55		25	57	5.08	110	112.87
08T60	T60		30	60	7.62	160	120.54
08T70	T70		30	60	8.89	170	120.54

231/4ATX

Capete chei tubulare de impact 1/2” cu profil TORX exterior

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





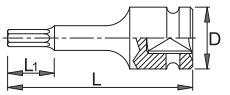
		D	L	L1				
612874	TX 30	25	55	3.3	86	4B	5	66.56
612875	TX 40	25	55	3.3	86	4B	5	71.31
612876	TX 45	25	55	3.6	86	4B	5	72.13
612877	TX 50	25	55	4.5	92	4B	5	72.13
612878	TX 55	25	55	5	95	4B	5	88.03
612879	TX 60	25	55	7.2	105	4B	5	96.72
618761	TX 70	25	55	8.6	111	4B	5	100.98

724

Capete chei tubulare de impact cu profil TORX® exterior 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2”*
- *conform DIN 3121 - G 12,5*
- *deschidere: TX pentru suruburi cu cap TORX® interior*





		D2	L	T				
1000072404	TX 30	25	55	3,8	130	1C	5	75.41
1000072405	TX 40	25	55	3,8	82	1C	5	75.41
1000072406	TX 50	25	55	5,0	86	1C	5	75.41
1000072407	TX 55	25	55	5,5	94	1C	5	78.69
1000072408	TX 60	25	55	8,0	140	1C	5	85.25

HT 1/2”

Bit pentru cap cheie tubulara impact 1/2", profil TORX exterior

- *profil TX pentru suruburi cu cap TORX®*



	Dimensiune TORX®	HEX mm	
HT30	T30	11	58.28
HT40	T40	11	58.28
HT45	T45	11	58.28
HT50	T50	11	59.98
HT55	T55	16	94.13
HT60	T60	16	94.13
HT70	T70	16	94.13

08H 1/2”

Cap cheie tubulara impact 1/2" suport pentru bit profil TORX exterior

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*



OZAT 2000 LTD.

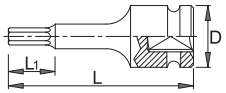
	Dimensiune TORX®	HEX mm	
08H11	T30 - T40 - T50	11	80.78
08H16	T55 - T60 - T70	16	80.78

231/4AHX

Capete chei tubulare de impact 1/2” cu profil hexagonal exterior

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

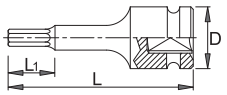
		D	L	L1				
615218	5	25	75	15	85	4B	5	59.84
615219	6	25	75	15	93	4B	5	59.84
615220	8	25	75	25	95	4B	5	59.84
615221	10	25	75	25	114	4B	5	59.84
615222	12	25	75	25	130	4B	5	59.84
615223	14	25	75	25	148	4B	5	59.84
615224	17	25	75	25	183	4B	5	67.70
615225	19	25	75	25	207	4B	5	76.72

725

Capete chei tubulare de impact cu profil hexagon exterior 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2”*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon DIN/ISO 2936*





ASW wekador

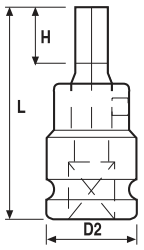
		D2	L	T				
1000072501	HX 5	25	55	15,0	79	1C	5	72.13
1000072502	HX 6	25	55	16,0	81	1C	5	72.13
1000072503	HX 8	25	55	16,0	89	1C	5	72.13
1000072504	HX 10	25	55	16,0	95	1C	5	72.13
1000072505	HX 12	25	55	16,0	105	1C	5	72.13
1000072506	HX 14	25	55	16,0	116	1C	5	72.13
1000072507	HX 17	25	55	17,0	133	1C	5	72.13

08MH 1/2”

Cap cheie tubulara de impact 1/2" cu profil hexagon exterior, o piesa, standard

- *patrat de antrenare 1/2” DIN 3121 - forma G 12,5*
- *hexagon interior conform DIN/ISO 2963*





OZAT 2000 LTD.

	Dimensiune MM/inch	D2 mm	L mm	H mm	Greutate gr	
08M3H	3	25	38	3	60	112.06
08M4H	4	25	38	4	60	112.06
08M5H	5	25	38	5	65	112.06
08M6H	6	25	38	6	65	112.06
08M7H	7	25	38	7	65	112.06
08M8H	8	25	38	8	65	112.06
08M9H	9	25	38	9	65	112.06
08M10H	10	25	40	10	65	112.06
08M11H	11	25	40	11	140	112.06
08M12H	12	30	42	12	140	125.78
08M13H	13	30	42	13	140	125.78
08M14H	14	30	43	14	140	125.78
08M15H	15	30	43	15	140	125.78
08M16H	16	3	43	16	140	125.78
08M17H	17	30	45	17	140	125.78
08M18H	18	30	45	18	140	137.43
08M19H	19	30	50	19	140	137.43
0802H	1/8"	25	38	3	60	112.06
08025H	5/32"	25	38	4	60	112.06
0803H	3/16"	25	38	5	60	112.06
08035H	7/32"	25	38	6	60	112.06
0804H	1/4"	25	38	7	60	112.06
0805H	5/16"	25	38	8	65	112.06
0806H	3/8"	25	40	10	65	112.06
0807H	7/16"	25	40	11	65	125.78
0808H	1/2"	30	42	13	140	125.78
0809H	9/16"	30	43	14	140	125.78
0810H	5/8"	30	43	16	140	125.78

715 E

Bit de impact cu profil hexagon 7/16”

- *material: crom molibden*
- *deschidere: 7/16” hexagon DIN/ISO 2936*



ASW wekador

		L	T				
1000071551	HX 5	35		17	1C	5	63.95
1000071552	HX 6	35		18	1C	5	63.95
1000071553	HX 8	35		22	1C	5	63.95
1000071554	HX 10	35		25	1C	5	63.95
1000071555	HX 12	35		30	1C	5	78.65
1000071556	HX 14	35		36	1C	5	78.65
1000071557	HX 17	35		48	1C	5	83.59

725 H

Adaptor pentru biti interschimbabili 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: hexagon 11 mm*



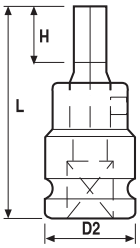
		D2	D1	L				
1000072550	12.5	30	22	36	127	1C	1	157.43

08V 1/2"

Cap cheie tubulara impact 1/2", profil hexagon exterior, 2 piese

- *patrat de antrenare 1/2" DIN 3121 - G 12,5*
- *profil hexagon exterior DIN/ISO 2963*
- *realizat din 2 piese*





	Dimensiune	D2	L	t min	Greutate	
	mm / inch	mm	mm	mm	gr	
08M03V	3	25	54	5	90	115.82
08M04V	4	25	54	6	90	115.82
08M05V	5	25	54	8	90	115.82
08M06V	6	25	54	9	100	119.14
08M07V	7	25	54	9	100	119.14
08M08V	8	25	57	12	100	119.14
08M09V	9	25	57	16	100	123.71
08M10V	10	25	57	16	100	123.71
08M11V	11	30	57	18	150	123.71
08M12V	12	30	57	18	150	123.71
08M13V	13	30	57	21	150	129.10
08M14V	14	30	57	21	150	129.10
08M15V	15	30	57	26	150	132.05
08M16V	16	30	57	26	150	132.05
08M17V	17	30	57	26	150	132.05
08M18V	18	30	72	26	150	188.19
08M19V	19	30	72	26	150	188.19
0802V	1/8"	25	54	6	90	112.43
08025V	5/32"	25	54	6	90	112.43
0803V	3/16"	25	54	8	90	112.43
08035V	7/32"	25	54	9	90	119.14
0804V	1/4"	25	54	12	100	119.14
0805V	5/16"	25	54	12	100	119.14
0806V	3/8"	25	57	16	100	132.05
0807V	7/16"	25	57	18	100	132.05
0808V	1/2"	30	57	19	150	132.05
0809V	9/16"	30	57	21	150	132.05
0810V	5/8"	30	57	24	150	132.05

08H 1/2"

Cap cheie tubulara impact 1/2" suport pentru bit profil hexagon exterior



	Dimensiune	HEX	
	mm / inch	mm	
08H11	3-8 mm si 1/8"-5/16"	11	80.78
08H16	9-16 mm si 3/8"-5/8"	16	80.78
08H22	17-22 mm si 3/4"-7/8"	22	122.46

08HL4 1/2"

Cap cheie tubulara de impact 1/2" cu profil hexagon exterior, o piesa, 100 mm

- *patrat de antrenare 1/2" DIN 3121 - forma G 12,5*
- *hexagon interior conform DIN/ISO 2963*



	Dimensiune	D2	L	t min	Greutate	
	mm / inch	mm	mm	mm	gr	
08M03HL4	3	25	100	3	90	119.14
08M04HL4	4	25	100	4	90	119.14
08M05HL4	5	25	100	5	90	132.05
08M06HL4	6	25	100	6	90	132.05
08M08HL4	8	25	100	8	90	132.05
08M10HL4	10	25	100	10	90	148.72
08M12HL4	12	30	100	12	200	148.72
08M14HL4	14	30	100	14	200	158.68
08M17HL4	17	30	100	17	200	165.32
08M19HL4	19	30	100	19	200	181.55
0802HL4	1/8"	25	100	3	200	119.14
08025HL4	5/32"	25	100	4	90	119.14
0803HL4	3/16"	25	100	5	90	119.14
08035HL4	7/32"	25	100	6	90	132.05
0804HL4	1/4"	25	100	7	90	132.05
0805HL4	5/16"	25	100	8	90	132.05
0806HL4	3/8"	25	100	10	90	148.72
0807HL4	7/16"	25	100	11	90	148.72
0808HL4	1/2"	30	100	13	200	148.72
0809HL4	9/16"	30	100	14	200	158.68
0810HL4	5/8"	30	100	16	200	158.68

08HL6 1/2"

Cap cheie tubulara de impact 1/2" cu profil hexagon exterior, o piesa, 150 mm

- *patrat de antrenare 1/2" DIN 3121 - forma G 12,5*
- *hexagon interior conform DIN/ISO 2963*



	Dimensiune	D2	L	t min	Greutate	
	mm / inch	mm	mm	mm	gr	
08M03HL6	3	25	150	3	120	165.32
08M04HL6	4	25	150	4	120	165.32
08M05HL6	5	25	150	5	120	165.32
08M06HL6	6	25	150	6	120	165.32
08M08HL6	8	25	150	8	120	181.84
08M10HL6	10	25	150	10	120	181.84
08M12HL6	12	30	150	12	230	181.84
08M14HL6	14	30	150	14	230	191.51
08M17HL6	17	30	150	17	230	204.86
08M19HL6	19	30	150	19	230	231.12
0802HL6	1/8"	25	150	3	120	165.32
08025HL6	5/32"	25	150	4	120	165.32
0803HL6	3/16"	25	150	5	120	165.32
08035HL6	7/32"	25	150	6	120	165.32

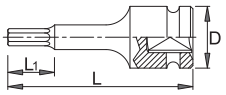
	Dimensiune	D2	L	t min	Greutate	
	mm / inch	mm	mm	mm	gr	
0804HL6	1/4"	25	150	7	120	165.32
0805HL6	5/16"	25	150	8	120	181.55
0806HL6	3/8"	25	150	10	120	181.55
0807HL6	7/16"	25	150	11	120	181.55
0808HL6	1/2"	30	150	13	230	181.55
0809HL6	9/16"	30	150	14	230	191.51
0810HL6	5/8"	30	150	16	230	231.12

726

Capete chei tubulare de impact cu profil XZN exterior 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12,5*
- *deschidere: XZN - DIN 2325*





ASW wekador

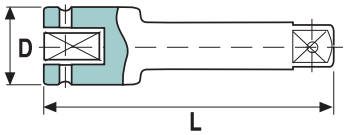
	XZN	D2	L	T				
1000072602	M 5	25	55	7,0	127	1C	5	132.90
1000072603	M 6	25	55	7,0	127	1C	5	132.90
1000072604	M 8	25	55	9,0	129	1C	5	132.90
1000072605	M 10	25	55	9,0	89	1C	5	132.90
1000072606	M 12	25	55	11,0	141	1C	5	132.90
1000072607	M 14	25	55	11,0	161	1C	5	132.90

E08 1/2"

Prelungitor de impact 1/2"

- *patrat de antrenare 1/2" DIN 3121 - G 12,5*





OZAT 2000 LTD.

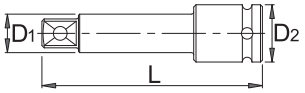
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
E0803	1/2"	1/2"	30	75	170	76.43
E0805	1/2"	1/2"	30	125	240	93.47
E0810	1/2"	1/2"	30	250	470	110.43

NOU

Prelungitor 3/8"

- *actionare: patrat 3/8", DIN 3121 Forma G 10*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*





cobit tool technology

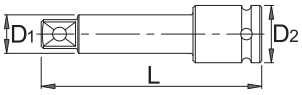
	E	A	L	D2				
60831	1/2"	1/2"	75	25	150	1C	1	55.56
60832	1/2"	1/2"	125	25	141	1C	1	61.13
60833	1/2"	1/2'	250	25	227	1C	1	94.51

510

Prelungitor 3/8"

- *actionare: patrat 3/8", DIN 3121 Forma G 10*
- *deschidere: patrat, DIN 3121 Forma E cu stift cu arc*





ASW wekador

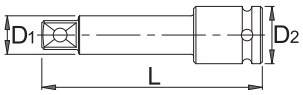
		E	A	L	D2				
1000005201	520 - 1	1/2"	1/2"	50	25	150	1C	1	142.73
1000005202	520 - 2	1/2"	1/2"	75	25	141	1C	1	80.33
1000005203	520 - 3	1/2"	1/2"	125	25	227	1C	1	147.54
1000005204	520 - 4	1/2"	1/2"	175	25	305	1C	1	221.44
1000005205	520 - 5	1/2"	1/2"	250	25	490	1C	1	132.79
1000005206	520 - 6	1/2"	1/2"	150	25	263	1C	1	103.28

231.4/4

Prelungitor lung de impact 1/2"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

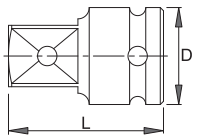
		L	D1	D2				
603978	1/2"	75	16.9	25	148	1E	5	69.02
603977	1/2"	125	16.9	25	230	1E	5	83.44

231.7/4

Adaptor de impact 1/2"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

		D	L				
603979	1/2" - 3/4"	30	48	169	1E	5	88.69
612120	1/2" - 3/8"	25	38	70	1E	5	80.49

430

NOU

Adaptor patrat interior 1/2"- patrat exterior



cobit tool technology

	E	A	L	D2				
60993	1/2"	3/8"	46	35	164	1C	1	25.16
60994	1/2"	3/4"	70	35	312	1C	1	53.18

420

Adaptor patrat interior 1/2”- patrat exterior

- *actionare: patrat 1/2”, DIN 3121 Forma G 12,5*
- *deschidere: patrat, DIN 3121 Forma A*



		E	A	L	D2				
1000004201	400-1	1/2”	1/4”	35	25	60	1C	1	136.88
1000004202	400-2	1/2”	3/8”	38	25	65	1C	1	80.33
1000004204	400-4	1/2”	3/4”	48	30	161	1C	1	100.00

430

Adaptor patrat interior 5/8”- patrat exterior

- *actionare: patrat 5/8”, DIN 3121 Forma G 16*
- *deschidere: patrat, DIN 3121 Forma A*



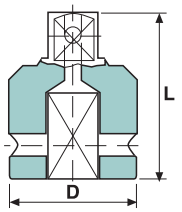
		E	A	L	D2				
1000004301	430-1	5/8”	1/2”	46	35	164	1C	1	225.42

A08 1/2”

Adaptor de impact mama-tata 1/2"

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*





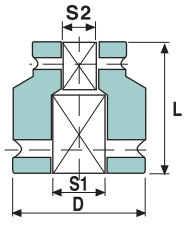
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
A0806	1/2"	3/8"	25	38	70	76.43
A0810	1/2"	5/8"	25	35	90	76.43
A0812	1/2"	3/4"	30	48	180	127.48

AN08 1/2”

Adaptor de impact mama-mama 1/2"

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*





	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
AN0808	1/2"	1/2"	25	33	70	76.43
AN1008	5/8"	1/2"	35	41	170	101.95
AN1208	3/4"	1/2"	44	49	320	178.45

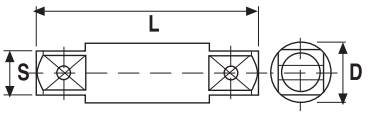




Z08 1/2”

Adaptor de impact tata-tata 1/2"





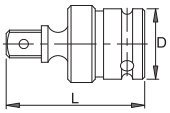
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
Z0802	1/2"	1/2"	16,8	50	63	50.98
Z0803	1/2"	1/2"	16,8	76	120	50.98
Z0805	1/2"	1/2"	16,8	127	230	76.43
Z0810	1/2"	1/2"	16,8	254	420	127.48

231.6/4

Intermediar cardanic de impact 1/2"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





		D	L				
609460	1/2"	32	60	209	1E	5	161.97

420 KG

Intermediar cardanic 1/2”

- *actionare: patrat 1/2”, DIN 3121 Forma G 12,5*
- *deschidere: patrat, DIN 3121 Forma A*



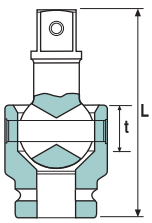
		E	A	L	D2				
1000004205	420 KG-5	1/2”	1/2”	74	25	250	1C	1	300.22
1000004207	420 KG-7	1/2”	1/2”	150	25	386	1C	1	802.37

U08 1/2”

Intermediar cardanic de impact 1/2"

- *patrat de antrenare 1/2” DIN 3121 - G 12,5*

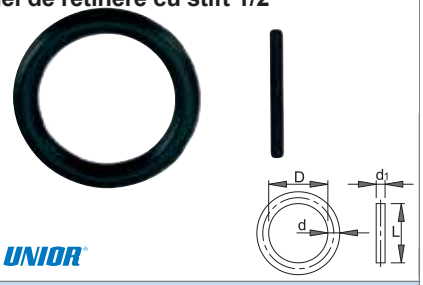




	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
U0808	1/2"	1/2"	32	52	180	168.34

231.8/4

Inel de retinere cu stift 1/2"

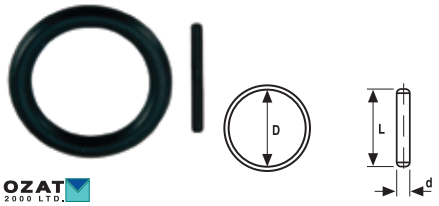


UNIOR

		D	d	L	d1		
603997	10 - 14	20	4	20	3	8	26.39
603998	15 - 32	25	4	25	3	9	39.02

R08 1/2”

Accesorii de impact 1/2"



OZAT 2000 LTD.

		Tip		d mm	L mm	D mm	
P0825	1/2"	pin	Ø 25 mm	3	20	-	4.94
P0830	1/2"	pin	Ø 30 mm	3	25	-	4.94
P0835	1/2"	pin	Ø 35 mm	3	30	-	4.94
R0825	1/2"	inel	Ø 25 mm	-	-	19	8.26
R0830	1/2"	inel	Ø 30 mm	-	-	24	8.26
R0835	1/2"	inel	Ø 35 mm	-	-	30	8.26

720 GR

Inel retentie



ASW wekador

	D2	mm	
1000072900	25	≤ SW14	15.54
1000072901	30	> SW 14	15.54

720 ST

Pin blocare

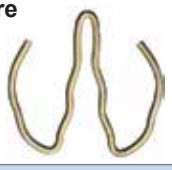


ASW wekador

	D2	mm	
1000072910	19	≤ SW14	5.39
1000072911	22	> SW 14	6.42

720 DF1

Clema blocare

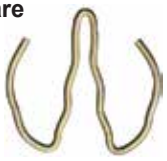


ASW wekador

	mm	
1000199922	≤ SW14	47.25

720 DF2

Clema blocare



ASW wekador

	mm	
1000199923	> SW14	47.25

02444 NOU

Trusa capete chei tubulare de impact 1/2” 9 piese in cutie plastic

- *material: CrMo*



cobit tool technology

COB-02444	8 - 24 / 9	1125	292.67

(8 / 10 / 13 / 16 / 17 / 18 / 19 / 21 / 24),

02445 NOU

Trusa capete chei tubulare de impact 1/2” 5 piese in cutie plastic

- *material: CrMo*



cobit tool technology

COB-02445	13 - 21 / 5	1125	217.48

(13.0; 17.0; 19.0; 21.0 x 38 mm; 24.0 x 40 mm),
1 adaptor cu patrat interior 1/2” la hexagon interior 1/4”; 1 adaptor hexagon exterior 1/4”E 6.3 la patrat exterior 1/2”; 2 inele de retentie

06001 NOU

Trusa capete tubulare de IMPACT 1/2” 10-24 mm / 10 piese



cobit tool technology

COB-06001	10 - 24 / 10	1900	410.25

10, 12, 13, 14, 15, 17, 19, 21, 22, 24

06002 NOU

Trusa capete tubulare de IMPACT 1/2” 10-24 mm / 10 piese

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul ISO 9717*
- *in conformitate cu standardul ISO 2725-2*



cobit tool technology

COB-06002	10 - 24 / 10	1900	410.25

10, 11, 12, 13, 14, 17, 19, 21, 22, 24

06003 NOU

Trusa capete tubulare de IMPACT 1/2” 10-24 mm / 14 piese

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul ISO 9717*
- *in conformitate cu standardul ISO 2725-2*



cobit tool technology

COB-06003	10 - 24 / 14	1900	476.23

10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24

prelungitor de impact 75 mm

06006 NOU

Trusa capete tubulare de IMPACT 1/2” 8-24 mm / 17 piese

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul ISO 9717*
- *in conformitate cu standardul ISO 2725-2*



cobit tool technology

COB-06006	8-24 / 14	2250	570.90

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

TP-16-720/721

Trusa capete tubulare de impact scurte 1/2" 10-32 mm / 16 piese

ISO 2725-3
ISO 2725-2



019051	10 - 32 / 16	1557.03

capete tubulare de impact cu pereti subtiri: SW 10; 12; 13; 15; 16; 17; 18; 19; 22 mm
capete tubulare de impact: SW 24; 27; 30; 32 mm
antrenor cu clichet reversibil 1/2"
prelungitor cu cap sferic 1/2" x 125 mm
adaptor 1/4 "E 6.3 - 1/2" (Mp) x 50 mm

231/4PB4

Trusa capete chei tubulare de impact 1/2 cu profil TX interior si exterior in cutie de plastic

- *Dimensiunea cutiei : 244 x 207 x 44*



615227	13	1551	1G	1	996.56

231/4TX(E 10, E 12, E 14, E 16, E 18, E 20, E 24), **231/4ATX**(TX 30, TX 40, TX 45, TX 50, TX 55, TX 60)

11521470001

Trusa capete chei tubulare de impact 1/2" - 12 piese



11521470001	8 - 24 / 12	410.84

capate chei tubulare de impact 1/2": 8 - 10 - 13 - 14 - 16 - 17 - 19 - 21 - 24 mm
adaptor de impact cu prindere rapida: patrat interior 1/2" - hexagon interior 1/4".
adaptor de impact: hexagon exterior 1/4" - patrat exterior 1/2"; prelungitor de impact 1/2" 75 mm

231/4PB1

Trusa capete chei tubulare de impact 1/2 in cutie de plastic

- *Dimensiunea cutiei : 244 x 207 x 59*



612506	15 - 30 / 12	1915	1G	1	731.97

231/4 6p(15, 17, 18, 19, 21, 22, 24, 27, 30), **231.4/4** (1/2" x 75), **231.8/4** (10 - 14, 15 - 32)

231/4PB2

Trusa capete chei tubulare de impact 1/2 in cutie de plastic

- *Dimensiunea cutiei : 244 x 207 x 59*



612507	15 - 30 / 12	3508	1G	1	945.74

231.4/4 (1/2" x 75), **231.8/4** (10 - 14, 15 - 32), **231/4L6p**(15, 17, 18, 19, 21, 22, 24, 27, 30)

231/4PB3

Trusa capete chei tubulare de impact 1/2 in cutie de plastic

- *Dimensiunea cutiei : 244 x 207 x 59*



612508	17 - 24 / 12	2810	1G	1	906.07

231/4 6p(17, 18, 19, 21, 22, 24), **231/4L6p**(17, 18, 19, 21, 22, 24)

720 KS15 OL

Trusa capete chei tubulare de impact 1/2”

- *cutie plastic*
- *conform DIN 3129*



1020026361	10 - 30 / 15	**1179.44**

capete chei tubulare scurte de impact 1/2"
SW 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30

720 SG12 OL

Trusa capete chei tubulare de impact 1/2”

- *cutie plastic*
- *conform DIN 3129*



1020026357	9 - 27 / 12	**1149.91**

capete chei tubulare scurte de impact 1/2"
SW 9; 10; 11; 13; 14; 17; 19; 22; 24; 27
intermediar cardanic 1/2" x 74 mm
prelungitor 1/2" x 150 mm

725 H9 OL

Trusa capete chei tubulare cu profil hexagon exterior de impact 1/2”

- *cutie plastic*



1020026365	HX4 - HX19 / 9	**963.07**

capete chei tubulare de impact 1/2" cu profil hexagon exterior
HX 4,0; 5,0; 6,0; 8,0; 10,0; 12,0; 14,0; 17,0; 19,0

720 E/TX16 OL

Trusa capete chei tubulare cu profil TORX® exterior/interior de impact 1/2”

- *cutie plastic*



1020026363	16	**1156.97**

capete tubulare de impact cu profil TORX® interior (720 E):
E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24
capete tubulare de impact cu profil TORX® exterior (724):
TX 40, TX 45, TX 47, TX 50, TX 55, TX 60, TX 70

720 KLS21 OL

Trusa capete chei tubulare de impact 1/2”

- *cutie plastic*
- *conform DIN 3129*



1020026359	10 - 27 / 21	**2084.09**

capete chei tubulare scurte de impact 1/2"
SW 10; 13; 14; 16; 17; 18; 18; 19; 21; 22; 24; 27
capete chei tubulare lungi de impact 1/2"
SW 13; 16; 17; 18; 19; 21; 22; 24; 27
prelungitor cu cap sferic 1/2" x 150 mm

724-S OL

NOU

Trusa capete chei tubulare de impact TORX 1/2”

- *cutie plastic*
- *conform DIN 3129*



1020038261	TX30-TX50 / 3	**463.56**

capete chei tubulare scurte de impact 1/2"
T30 T40 T50

SET-001

Trusa capete tubulare de impact scurte 1/2" 10-19 mm/10 piese



SET-08-01	10 - 19 / 10 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	430.75

SET-030

Trusa capete tubulare de impact scurte 1/2" 10-24 mm/5 piese



SET-08-13	10 - 24 / 5 10, 13, 17, 19, 24 mm	251.04

SET-007

Trusa capete tubulare de impact lungi 1/2" 10-19 mm/10 piese



SET-08-04	10 - 19 /10 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	777.98

SET-031

Trusa capete tubulare de impact cu inel de retinere 1/2" 8-19 mm/7 piese



SET-08-14	8 - 19 / 7 8, 10, 12, 13, 15, 17, 19 mm	909.59

SET-036

Trusa capete tubulare de impact lungi 1/2" 8-19 mm/7 piese

SET-08-15	8 - 19 / 7 8, 10, 12, 13, 15, 17, 19 mm	534.91

Trusa capete tubulare de torsiune 1/2"

- *ideal atunci cand strangerea piulitelor la roti trebuie realizata la un cuplu prestabilit*
- *absoarbe cu ajutorul torsiunii toata puterea suplimentara generata de cheia de impact*
- *realizata din otel de calitate superioara*



	Componenta	
SET-014	**08Q 1/2"** 17x75, 17x95, 17x110, 19x75 mm	2662.67
SET-015	**08Q 1/2"** 19x90, 19x110, 19x135, 21x110, 17x75, 17x95 mm	1675.62
SET-016	**08Q 1/2"** 19x75, 19x90, 21x80, 17x95, 17x110, 19x90, 19x110, 21x110 mm	1675.62

SET-017

Trusa capete tubulare de impact scurte 1/2" 3/8"-1.1/16"/14 piese



SET-08-08	3/8"-1.1/16"/14 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1.1/16", prelungitor 125 mm **(E0805)**, intermediar cardanic 1/2" **(U0808)**, pin **(P0825, P0830)**, inel **(R0825, R0830)**	765.22

SET-029 / SET-019

Trusa capete tubulare de impact scurte 1/2"



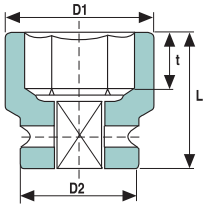
SET-08-12	10 - 27 / 16 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27 mm, prelungitor 125 mm **(E0805)**, intermediar cardanic 1/2" **(U0808)**, pin **(P0825, P0830)**, inel **(R0825, R0830)**	1042.08
SET-08-09	11 - 27 / 16 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27 mm, prelungitor 125 mm **(E0805)**, intermediar cardanic 1/2" **(U0808)**, pin **(P0825, P0830)**, inel **(R0825, R0830)**	936.52

10M 5/8”

Cap cheie tubulara de torsiune 5/8" 6 laturi, scurt

• *patrat de antrenare 5/8”*





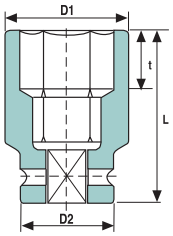
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
10M13	13	23	35	35	6	150	**74.29**
10M14	14	24	35	35	7	150	**74.29**
10M15	15	26	35	35	7	150	**74.29**
10M16	16	26	35	35	8	150	**74.29**
10M17	17	28	35	38	9	180	**74.29**
10M18	18	30	35	38	9	180	**74.29**
1012M19	19	31	35	38	9.5	180	**74.29**
10M20	20	32	35	38	10	180	**74.29**
10M21W07	21	33	35	38	11	180	**74.29**
10M22	22	35	35	40	11	190	**76.13**
10M23	23	35	35	40	13	190	**81.44**
10M24	24	35	35	40	13	190	**82.77**
10M25	25	38	35	41	13	200	**88.23**
10M26	26	38	35	41	13	200	**91.18**
1017M27	27	41	35	42	13	220	**99.07**
10M28	28	41	35	42	14	220	**99.07**
10M29	29	41	35	45	16.5	220	**119.58**
1019M30	30	44	35	45	16.5	240	**124.30**
10M31	31	44	35	46	16.5	240	**124.30**
10M32	32	44	35	47	17	240	**138.91**
10M33	33	44	35	47	17	240	**138.91**
10M34	34	49	35	50	19	320	**158.39**
1022M35	35	49	35	51	19	320	**158.39**
10M36	36	52	35	51	19	400	**158.39**
10M37	37	54	44	51	19	420	**176.75**
1024M38	38	54	44	51	22	420	**176.75**
1008	1/2"	23	35	35	6	150	**74.29**
1009	9/16"	24	35	35	7	150	**74.29**
1010	5/8"	26	35	35	8	150	**74.29**
1011	11/16"	29	35	38	9	180	**74.29**
1012M19inch	3/4"	31	35	38	9.5	180	**74.29**
1013	13/16"	33	35	38	11	180	**74.29**
1014	7/8"	35	35	40	13	190	**78.57**
1015	15/16"	35	35	40	13	190	**82.77**
1016	1"	38	35	41	13	200	**88.23**
1017M27inch	1 1/16"	41	35	42	13	220	**99.07**
1018	1 1/8"	41	35	45	16.5	220	**119.58**
1019M30inch	1 3/16"	44	35	45	16.5	240	**124.30**
1020	1 1/4"	44	35	46	17	240	**124.30**
1021	1 5/16"	49	35	49	19	320	**138.91**
1022M35inch	1 3/8"	49	35	51	19	320	**158.39**
1023	1 7/16"	52	44	51	19	400	**165.32**
1024M38	1 1/2"	54	44	51	22	420	**176.75**

10L 5/8”

Cap cheie tubulara de torsiune 5/8" 6 laturi, lung

• *patrat de antrenare 5/8”*





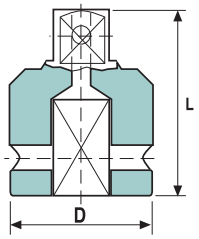
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
10M13L	13	23	35	88	6	460	**123.49**
10M14L	14	24	35	88	7	460	**123.49**
10M15L	15	26	35	88	7	460	**123.49**
10M16L	16	26	35	88	8	460	**123.49**
10M17L	17	28	35	88	9	460	**123.49**
10M18L	18	30	35	88	9	460	**123.49**
1012M19L	19	31	35	88	9.5	460	**123.49**
10M20L	20	32	35	88	10	460	**130.50**
10M21L	21	33	35	88	11	460	**130.50**
10M22L	22	35	35	88	11	460	**130.50**
10M23L	23	35	35	88	13	460	**136.03**
10M24L	24	35	35	88	13	460	**147.25**
10M25L	25	38	35	88	13	500	**147.25**
10M26L	26	38	35	88	13	500	**152.93**
1017M27L	27	41	35	88	13	540	**158.39**
10M28L	28	41	35	88	14	540	**165.32**
10M29L	29	41	35	88	16.5	540	**165.32**
1019M30L	30	44	35	88	16.5	590	**165.32**
10M31L	31	44	35	88	16.5	590	**171.15**
10M32L	32	44	35	88	17	590	**171.15**
10M33L	33	44	35	88	17	590	**171.15**
10M34L	34	49	35	88	19	700	**174.39**
1022M35L	35	49	35	88	19	700	**174.39**
10M36L	36	52	35	88	19	750	**183.91**
10M37L	37	54	44	88	19	850	**192.54**
1024M38L	38	54	44	88	22	850	**192.54**
1008L	1/2"	23	35	88	6	460	**123.49**
1009L	9/16"	24	35	88	7	460	**123.49**
1010L	5/8"	26	35	88	8	460	**123.49**
1011L	11/16"	29	35	88	9	460	**123.49**
1012M19Linch	3/4"	31	35	88	9.5	460	**123.49**
1013L	13/16"	33	35	88	11	460	**130.50**
1014L	7/8"	35	35	88	13	460	**136.03**
1015L	15/16"	35	35	88	13	460	**138.91**
1016L	1"	38	35	88	13	500	**147.25**
1017M27Linch	1 1/16"	41	35	88	13	540	**158.39**
1018L	1 1/8"	41	35	88	16.5	540	**165.32**
1019M30Linch	1 3/16"	44	35	88	16.5	590	**165.32**
1020L	1 1/4"	44	35	88	17	590	**171.15**
1021L	1 5/16"	49	35	88	19	700	**174.39**
1022M35Linch	1 3/8"	49	35	88	19	700	**174.39**
1023L	1 7/16"	52	44	88	19	750	**183.91**
1024M38Linch	1 1/2"	54	44	88	22	850	**192.54**

A10 5/8”

Adaptor de impact mama-tata 5/8"

• *patrat de antrenare 5/8”*





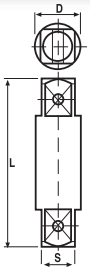
	Patrat antrenare		D	L	Greutate	
	interior	exterior	mm	mm	gr	
A1008	5/8"	1/2"	35	48	140	101.95
A1012	5/8"	3/4"	35	45	220	127.48

Z10 5/8”

Adaptor de impact tata-tata 5/8"

• *patrat de antrenare 5/8”*





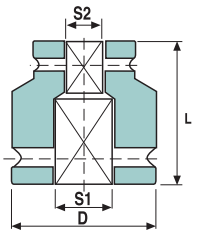
	Patrat antrenare		D	L	Greutate	
	interior	exterior	mm	mm	gr	
Z1002	5/8"	5/8"	21.1	50	160	50.98
Z1003	5/8"	5/8"	21.1	76	280	50.98
Z1006	5/8"	5/8"	21.1	152	330	178.45
Z1012	5/8"	5/8"	21.1	305	660	255.02

AN10 5/8”

Adaptor de impact mama-mama 5/8"

• *patrat de antrenare 5/8”*





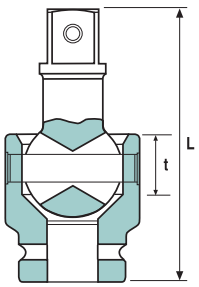
	Patrat antrenare		D	L	Greutate	
	interior	exterior	mm	mm	gr	
AN1008	5/8"	1/2"	35	41	170	101.95
AN1010	5/8"	5/8"	35	35	150	101.95
AN1210	3/4"	5/8"	44	50	370	203.90

U10 5/8”

Intermediar cardanic de impact 5/8”

• *patrat de antrenare 5/8”*



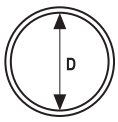


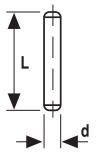
	Patrat antrenare		D	L	Greutate	
	interior	exterior	mm	mm	gr	
U1010	5/8"	5/8"	44	60	300	288.89

PR10 5/8”

Inel cu stift de siguranta 5/8"







	Patrat	Tip	Q	d	L	D	
				mm	mm	mm	
P1035	5/8"	pin	Ø 35 mm	3	30	-	5.02
P1044	5/8"	pin	Ø 44 mm	3	39	-	5.02
R1035	5/8"	inel	Ø 35 mm	-	-	28	8.48
R1044	5/8"	inel	Ø 44 mm	-	-	37	8.48





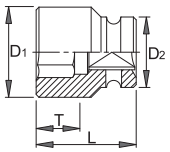


740

Capete chei tubulare de impact 3/4"

• *material: crom molibden*
• *actionare: patrat 3/4*
• *conform DIN 3121 - H 20*
• *deschidere: hexagon DIN / ISO 691*





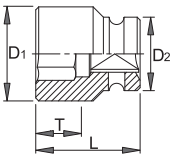
		D2	D1	L	T				
1000074000	16	44	27,0	50	12,0	366	1C	1	146.71
1000074001	17	44	31,0	50	12,0	366	1C	1	104.92
1000074002	18	44	32,0	50	12,0	380	1C	1	104.92
1000074003	19	44	33,0	50	14,0	378	1C	1	104.92
1000074004	20	44	34,0	50	16,0	384	1C	1	104.92
1000074005	21	44	35,0	50	16,0	381	1C	1	104.92
1000074006	22	44	37,0	50	16,0	389	1C	1	109.84
1000074007	23	44	38,0	50	16,0	382	1C	1	109.84
1000074008	24	44	39,0	50	16,0	382	1C	1	109.84
1000074009	25	44	40,0	50	16,0	382	1C	1	109.84
1000074011	27	44	43,0	54	16,0	405	1C	1	109.84
1000074014	30	44	47,0	54	23,0	426	1C	1	109.84
1000074015	32	44	49,0	56	23,0	474	1C	1	111.48
1000074016	33	44	51,0	56	23,0	496	1C	1	114.75
1000074017	34	44	52,0	56	23,0	499	1C	1	116.39
1000074018	35	44	53,0	56	23,0	484	1C	1	117.21
1000074019	36	44	54,0	56	23,0	521	1C	1	119.67
1000074020	38	44	57,0	58	24,0	564	1C	1	122.95
1000074021	39	44	58,0	58	24,0	602	1C	1	134.43
1000074022	41	44	60,0	58	24,0	618	1C	1	139.34
1000074023	42	44	62,0	58	24,0	672	1C	1	154.10
1000074024	46	44	67,0	63	27,0	796	1C	1	185.25
1000074025	50	54	71,0	72	35,0	1115	1C	1	211.48
1000074026	55	54	77,0	74	35,0	1235	1C	1	283.61
1000074027	60	54	84,0	75	35,0	1490	1C	1	390.16

232/4 6p

Capete chei tubulare de impact 3/4"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *in conformitate cu standardul ISO 2725-2(numai dimensiunile in mm)*





UNIOR

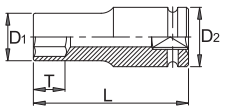
		D1	D2	L	T				
603980	17	31	44	50	12	374	1B	5	116.23
603981	19	33	44	50	14	387	1B	5	116.23
603982	21	35	44	50	14	381	1B	5	119.34
603983	22	37	44	50	14	400	1B	5	119.34
603984	24	39	44	50	16	401	1B	5	119.34
603985	27	43	44	54	23	410	1B	5	119.51
609403	28	44	44	54	23	403	1B	5	119.51
603986	30	47	44	54	23	438	1B	5	119.51
603987	32	50	44	56	23	481	1B	5	120.33
603988	33	51	44	56	23	497	1B	5	125.08
603989	36	54	44	56	23	535	1B	5	128.03
603990	41	60	44	58	24	634	1B	1	159.51
603991	46	67	44	63	27	813	1B	1	204.59

232/4L6p

Capete chei tubulare de impact lungi 3/4"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

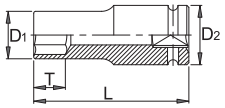
		D1	D2	L	T				
607934	17	31	44	95	17	587	1B	5	176.07
607935	19	33	44	95	19	580	1B	5	176.07
607936	21	35	44	95	21	589	1B	5	176.07
607937	22	37	44	95	22	643	1B	5	176.07
607938	24	39	44	95	24	656	1B	5	176.07
607939	27	43	44	95	27	731	1B	5	176.07
609404	28	44	44	95	28	708	1B	5	176.07
607940	30	47	44	95	30	802	1B	5	176.07
607941	32	49	44	95	32	821	1B	5	176.07
607942	33	51	44	95	33	906	1B	5	183.93
607943	36	54	44	95	36	944	1B	5	201.64
607944	41	60	44	95	38	1078	1B	1	232.46
607945	46	67	44	95	38	1298	1B	1	289.02

740 L

Capete chei tubulare lungi de impact 3/4"

- *material: crom molibden*
- *actionare: patrat 3/4"*
- *conform DIN 3121 - H 20*
- *deschidere: hexagon DIN / ISO 691*





ASW

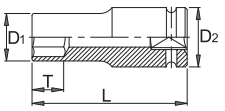
		D2	D1	L	T				
1000074040	16	44	27,0	95	20,0	525	1C	1	262.73
1000074041	17	44	31,0	95	20,0	607	1C	1	262.73
1000074042	18	44	32,0	95	20,0	544	1C	1	262.73
1000074043	19	44	33,0	95	23,0	571	1C	1	150.82
1000074045	21	44	35,0	95	23,0	578	1C	1	150.82
1000074046	22	44	37,0	95	23,0	626	1C	1	150.82
1000074048	24	44	39,0	95	51,0	634	1C	1	150.82
1000074051	27	44	43,0	95	62,0	710	1C	1	150.82
1000074054	30	44	47,0	95	62,0	773	1C	1	168.85
1000074055	32	44	49,0	95	62,0	828	1C	1	168.85
1000074056	33	44	51,0	95	62,0	887	1C	1	178.69
1000074057	34	44	52,0	95	62,0	810	1C	1	178.69
1000074059	36	44	54,0	95	62,0	975	1C	1	183.61
1000074060	38	44	57,0	95	60,0	946	1C	1	219.67
1000074061	39	44	58,0	95	60,0	1041	1C	1	240.98
1000074062	41	44	60,0	95	60,0	996	1C	1	252.46
1000074063	46	44	67,0	95	58,0	1197	1C	1	327.05
1000074064	50	54	71,0	95	58,0	1420	1C	1	378.69

2509

Cap cheie tubulara de impact, patrat de antrenare de 3/4", lunga, cu profil subtiat, pentru roti TRILEX

- *extra lunga cu diamteru redus*





STAHLWILLE

		d1	d2	L	t			
SW 25090027	27	40.5	44	100	72.5	672	2	560.61
SW 25090030	30	44.3	44	100	72.5	728	2	594.59
SW 25090032	32	46.8	44	100	72	778	2	624.33
SW 25090033	33	48	44	100	72	803	2	649.76

NOU

Capete chei tubulare de impact scurte 3/4"



cobit tool technology

		L				
60786	19	51				84.98
60787	21	51				84.98
60788	22	51				84.34
60789	24	51				84.34
60790	27	53				84.34
60791	28	53				84.34
60792	29	53				84.34
60793	30	53				84.98
60794	32	57				88.48
60795	33	57				95.59
60796	34	57				95.59
60797	35	57				98.52
60798	36	57				98.52
60799	37	57				98.52
60800	38	57				98.52
60801	40	58				126.29
60802	41	58				126.29
60803	42	58				134.55
60804	43	62				138.11
60805	44	62				139.25
60806	46	62				145.16
60807	50	68				190.66
60808	56	74				303.93
60809	60	74				321.71
60810	65	80				344.72



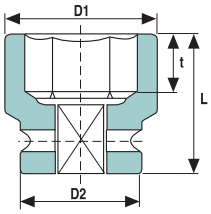
12S 3/4"

Cap cheie tubulara de impact 3/4" 6 laturi, scurt

- *patrat de antrenare 3/4" DIN 3121 - forma H20*
- *hexagon interior conform DIN 475/2*

OZAT 2000 LTD.





	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
12M13	13	25	44	45	6	290	97.75
12M14	14	25	44	45	7	290	97.75
12M15	15	29	44	45	7	290	97.75
12M16	16	29	44	45	8	290	97.75
12M17	17	29	44	45	9	290	97.75
12M18	18	32	44	45	9	290	97.75
1212M19	19	32	44	45	9.5	290	99.96
12M20	20	35	44	46	10	340	105.93
12M21	21	35	44	46	11	340	105.93
12M22	22	38	44	46	11	340	105.93
12M23	23	38	44	46	13	340	105.93
12M24	24	40	44	46	13	340	105.93
12M25	25	41	44	46	13	340	111.98
12M26	26	41	44	46	13	340	111.98
1217M27	27	41	44	48	13	380	114.86
12M28	28	44	44	48	14	380	114.86
12M29	29	44	44	52	16.5	380	114.86
1219M30	30	44	44	52	16.5	380	114.86
12M31	31	49	44	52	17	420	126.30
12M32	32	49	44	52	17	420	126.30
12M33	33	49	44	55	17	430	151.38
12M34	34	52	44	55	19	460	156.02
1222M35	35	52	44	55	19	460	156.02
12M36	36	52	44	56	19	460	156.02
12M37	37	54	44	56	19	490	163.11
1224M38	38	54	44	59	22	490	163.11
12M39	39	57	44	59	22	520	183.61
12M40	40	57	44	59	22	520	188.56
1226M41	41	57	44	59	22	520	188.56
12M42	42	60	44	59	22	550	198.81
1227M43	43	63	44	64	25	600	198.81
12M44	44	63	44	64	25	600	215.26
12M45	45	63	44	64	25.5	600	243.44
1229M46	46	67	44	64	25.5	850	243.44
12M47	47	67	54	64	25.5	850	243.44
12M48	48	67	54	67	27	910	277.89
1231M49	49	70	54	67	27	950	277.89
12M50	50	70	54	67	27	950	277.89
1232M51	51	73	54	67	27	1040	295.30
12M52	52	73	54	67	27	1040	295.30
1234M54	54	73	54	71	30	1040	342.44
12M55	55	78	54	71	30	1200	356.90
12M56	56	78	54	74	32	1200	365.24
1236M57	57	82	54	75	33	1320	367.08
12M58	58	82	54	75	33	1320	373.87
1237M59	59	82	54	75	33	1320	373.87
12M60	60	82	54	75	35	1320	441.74
12M61	61	86	54	75	35	1430	509.75

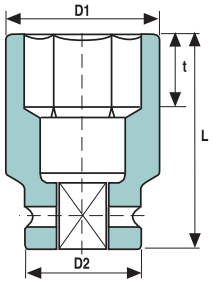
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1208	1/2"	24	44	45	6	290	**97.75**
1209	9/16"	25	44	45	7	290	**97.75**
1210	5/8"	29	44	45	8	290	**97.75**
1211	11/16"	29	44	45	9	290	**97.75**
1212M19inch	3/4"	32	44	45	9.5	290	**99.96**
1213	13/16"	35	44	46	11	340	**105.93**
1214	7/8"	38	44	46	13	340	**105.93**
1215	15/16"	40	44	46	13	340	**105.93**
1216	1"	41	44	46	13	340	**111.98**
1217M27inch	1 1/16"	41	44	48	13	380	**114.86**
1218	1 1/8"	44	44	52	16.5	380	**114.86**
1219M30inch	1 3/16"	44	44	52	16.5	380	**114.86**
1220	1 1/4"	49	44	52	17	420	**126.30**
1221	1 5/16"	49	44	55	19	430	**151.38**
1222M35inch	1 3/8"	52	44	55	19	460	**156.02**
1223	1 7/16"	52	44	56	19	460	**156.02**
1224M38inch	1 1/2"	54	44	59	22	490	**163.11**
1225	1 9/16"	57	44	59	22	520	**183.61**
1226M41inch	1 5/8"	57	44	59	22	520	**188.56**
1227M43inch	1 11/16"	63	44	64	25	600	**198.81**
1228	1 3/4"	63	44	64	25.5	600	**215.26**
1229M46inch	1 13/16"	67	44	64	25.5	850	**243.44**
1230	1 7/8"	67	54	67	27	910	**243.44**
1231M49inch	1 15/16"	70	54	67	27	950	**277.89**
1232M51inch	2"	73	54	67	27	1040	**295.30**
1233	2 1/16"	73	54	71	30	1040	**295.30**
1234M54inch	2 1/8"	73	54	71	30	1040	**342.44**
1235	2 3/16"	78	54	74	32	1200	**358.45**
1236M57inch	2 1/4"	82	54	75	33	1320	**367.08**
1237M59inch	2 5/16"	82	54	75	33	1320	**373.87**
1238	2 3/8"	82	54	75	35	1320	**494.26**

12L 3/4”

Cap cheie tubulara de impact 3/4" 6 laturi, lung

- *patrat de antrenare 3/4" DIN 3121 - forma H20*
- *hexagon interior conform DIN 475/2*





3/4" 20mm OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
12M13L	13	25	44	90	6	750	**164.21**
12M14L	14	25	44	90	7	750	**164.21**
12M15L	15	28	44	90	7	750	**164.21**
12M16L	16	29	44	90	8	750	**167.09**
12M17L	17	29	44	90	9	750	**167.09**
12M18L	18	32	44	90	9	750	**167.09**
1212M19L	19	32	44	90	9.5	750	**167.09**
12M20L	20	35	44	90	10	750	**167.09**
12M21L	21	35	44	90	11	750	**167.09**
12M22L	22	38	44	90	11	750	**167.09**
12M23L	23	38	44	90	13	750	**170.56**
12M24L	24	40	44	90	13	750	**170.56**
12M25L	25	41	44	90	13	750	**170.56**
12M26L	26	41	44	90	13	750	**170.56**
1217M27L	27	41	44	90	13	750	**170.56**
12M28L	28	44	44	90	14	690	**200.14**
12M29L	29	44	44	90	16.5	690	**200.14**

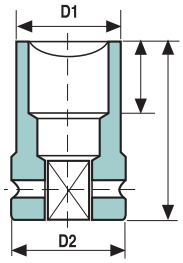
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1219M30L	30	44	44	90	16.5	690	**200.14**
12M31L	31	49	44	90	16.5	780	**206.48**
12M32L	32	49	44	90	17	780	**206.48**
12M33L	33	49	44	90	17	780	**265.06**
12M34L	34	52	44	90	19	800	**265.06**
1222M35L	35	52	44	90	19	800	**265.06**
12M36L	36	52	44	90	19	800	**265.06**
12M37L	37	54	44	90	19	850	**284.16**
1224M38L	38	54	44	90	22	850	**284.16**
12M39L	39	57	44	90	22	920	**303.42**
12M40L	40	57	44	90	22	920	**303.42**
1226M41L	41	57	44	90	22	920	**313.67**
12M42L	42	60	44	90	22	980	**313.67**
1227M43L	43	63	44	90	25	1020	**313.67**
12M44L	44	63	44	90	25	1020	**392.46**
12M45L	45	63	44	90	25.5	1020	**392.46**
1229M46L	46	67	44	90	25.5	1350	**392.46**
12M47L	47	67	54	90	25.5	1350	**392.46**
12M48L	48	67	54	90	27	1350	**447.71**
1231M49L	49	70	54	90	27	1400	**447.71**
12M50L	50	70	54	90	27	1400	**447.71**
1232M51L	51	73	54	90	27	1500	**447.71**
12M52L	52	73	54	94	27	1500	**466.89**
1234M54L	54	73	54	94	30	1500	**551.73**
12M55L	55	78	54	94	30	1800	**575.11**
12M56L	56	78	54	98	32	1800	**588.69**
1236M57L	57	82	54	98	33	1900	**591.34**
12M58L	58	82	54	98	33	1900	**602.41**
1237M59L	59	82	54	98	33	1900	**602.41**
12M60L	60	82	54	98	35	1900	**711.89**
12M61L	61	86	54	98	35	2200	**821.80**
1208L	1/2"	24	44	90	6	750	**164.21**
1209L	9/16"	25	44	90	7	750	**164.21**
1210L	5/8"	28	44	90	8	750	**164.21**
1211L	11/16"	29	44	90	9	750	**167.09**
1212M19L inch	3/4"	32	44	90	9.5	750	**167.09**
1213L	13/16"	35	44	90	11	750	**167.09**
1214L	7/8"	38	44	90	13	750	**167.09**
1215L	15/16"	40	44	90	13	750	**170.56**
1216L	1"	41	44	90	13	750	**170.56**
1217M27L inch	1 1/16"	41	44	90	13	750	**170.56**
1218L	1 1/8"	44	44	90	16.5	690	**200.14**
1219M30L inch	1 3/16"	44	44	90	16.5	690	**200.14**
1220L	1 1/4"	49	44	90	17	780	**206.48**
1221L	1 5/16"	49	44	90	19	780	**265.06**
1222M35L inch	1 3/8"	52	44	90	19	800	**265.06**
1223L	1 7/16"	52	44	90	19	800	**265.06**
1224M38L inch	1 1/2"	54	44	90	22	850	**284.16**
1225L	1 9/16"	57	44	90	22	920	**303.42**
1226M41L inch	1 5/8"	57	44	90	22	920	**313.67**
1227M43L inch	1 11/16"	63	44	90	25	1020	**313.67**
1228L	1 3/4"	63	44	90	25.5	1020	**392.46**
1230L	1 7/8"	67	54	90	27	1350	**392.46**
1229M46L inch	1 13/16"	67	44	90	25.5	1350	**392.46**
1231M49L inch	1 15/16"	70	54	90	27	1400	**447.71**
1232M51L inch	2"	73	54	90	27	1500	**447.71**
1233L	2 1/16"	73	54	94	30	1500	**466.89**
1234M54L inch	2 1/8"	73	54	94	30	1500	**551.73**
1235L	2 3/16"	78	54	94	32	1800	**575.11**
1236M57L inch	2 1/4"	82	54	98	33	1900	**591.34**
1237M59L inch	2 5/16"	82	54	98	33	1900	**602.41**
1238L	2 3/8"	82	54	98	35	1900	**796.80**

12B 3/4”

Cap cheie tubulara de impact 3/4" 4 laturi, scurt

• *patrat de antrenare 3/4” DIN 3121 - forma H20*





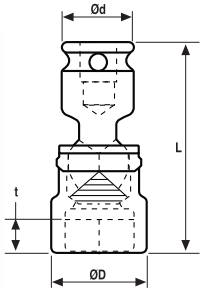
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
12M17B	17	40	44	45	9	290	244.99
12M18B	18	40	44	45	9	290	244.99
12M19B	19	40	44	45	9.5	290	244.99
12M20B	20	42	44	46	10	290	250.30
12M21B	21	42	44	46	11	290	250.30
12M22B	22	42	44	46	11	290	250.30
12M24B	24	44	44	46	13	290	250.30
12M27B	27	49	49	48	13	400	261.89

UB12 3/4”

Cap cheie tubulara de impact articulata 3/4" 6 laturi, scurta

• *patrat de antrenare 3/4” DIN 3121 - forma H20*
• *hexagon interior conform DIN 475/2*





	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
UB12M17	17	29	44	90	9	700	291.17
UB12M18	18	32	44	90	9	700	293.46
UB12M19	19	32	44	90	9.5	700	293.46
UB12M21	21	35	44	90	11	700	320.68
UB12M24	24	40	44	90	13	750	333.30
UB12M26	26	41	44	90	13	750	333.30
UB12M27	27	41	44	90	13	750	333.30
UB12M30	30	44	44	90	16.5	800	335.43
UB12M32	32	49	44	90	17	850	335.43
UB12M34	34	52	44	90	19	900	347.98
UB12M36	36	52	44	90	19	900	350.19
UB12M38	38	54	44	90	22	950	364.87
UB1211	11/16"	29	44	90	9	700	291.17
UB1212	3/4"	32	44	90	9.5	700	293.46
UB1213	13/16"	35	44	90	11	700	320.68
UB1214	7/8"	38	44	90	13	700	333.30
UB1215	15/16"	40	44	90	13	750	333.30

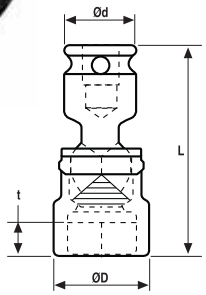
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
UB1216	1"	41	44	90	13	750	333.30
UB1217	1.1/16"	41	44	90	13	750	333.30
UB1218	1.1/8"	44	44	90	16.5	800	335.43
UB1219	1.13/16"	44	44	90	16.5	800	335.43
UB1220	1.1/4"	49	44	90	17	850	335.43
UB1221	1.5/16"	49	44	90	19	850	347.98
UB1222	1.3/8"	52	44	90	19	900	364.87
UB1223	1.7/16"	52	44	90	19	900	379.48
UB1224	1.1/2"	54	44	90	22	950	379.48

UB12L 3/4”

Cap cheie tubulara de impact articulata 3/4" 6 laturi, lunga

• *patrat de antrenare 3/4” DIN 3121 - forma H20*
• *hexagon interior conform DIN 475/2*





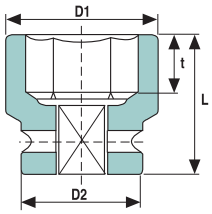
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
UB12M17L	17	29	44	150	9	1050	313.30
UB12M18L	18	32	44	150	9	1050	315.44
UB12M19L	19	32	44	150	9.5	1050	315.44
UB12M21L	21	35	44	150	11	1050	342.66
UB12M24L	22	40	44	150	13	1050	355.35
UB12M26L	24	41	44	150	13	1050	355.35
UB12M27L	26	41	44	150	13	1150	355.35
UB12M30L	27	44	44	150	16.5	1300	357.49
UB12M32L	30	49	44	150	17	1400	357.49
UB12M34L	32	52	44	150	19	1400	357.49
UB12M36L	36	52	44	150	19	1400	370.11
UB12M38L	38	54	44	150	22	1500	372.17
UB1211L	11/16"	29	44	150	9	1050	327.98
UB1212L	3/4"	32	44	150	9.5	1050	327.98
UB1213L	13/16"	35	44	150	11	1050	356.39
UB1214L	7/8"	38	44	150	13	1050	369.59
UB1215L	15/16"	40	44	150	13	1050	369.59
UB1216L	1"	41	44	150	13	1050	369.59
UB1217L	1.1/16"	41	44	150	13	1050	369.59
UB1218L	1.1/8"	44	44	150	16.5	1150	371.88
UB1219L	1.13/16"	44	44	150	16.5	1150	371.88
UB1220L	1.1/4"	49	44	150	17	1300	371.88
UB1221L	1.5/16"	49	44	150	19	1300	380.95
UB1222L	1.3/8"	52	44	150	19	1400	387.07
UB1223L	1.7/16"	52	44	150	19	1400	387.07
UB1224L	1.1/2"	54	44	150	22	1500	402.27

12T 3/4”

Cap cheie tubulara de impact cu pereti subtiri 3/4" 6 laturi, scurt

- *patrat de antrenare 3/4” DIN 3121 - forma H20*
- *hexagon interior conform DIN 475/2*





OZAT 2000 LTD.

3/4” 20mm

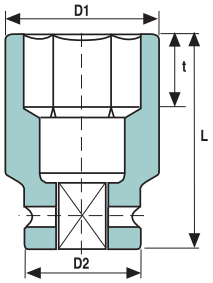
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
12M17T	17	28	44	45	9	300	126.00
12M18T	18	30	44	45	9	300	125.93
1212M19T	19	30	44	45	9.5	300	125.93
12M20T	20	30	44	46	10	350	137.58
12M21T	21	34	44	46	11	350	137.58
12M22T	22	35	44	46	11	350	137.58
12M23T	23	35	44	46	13	350	137.58
12M24T	24	38	44	46	13	350	137.58
12M25T	25	38	44	46	13	350	139.87
12M26T	26	40	44	46	13	350	139.87
1217M27T	27	40	44	48	13	350	149.16
12M28T	28	41	44	48	14	350	149.16
12M29T	29	41	44	52	16.5	350	149.16
1219M30T	30	41	44	52	16.5	350	149.16
12M31T	31	44	44	52	17	350	164.14
12M32T	32	48	44	52	17	420	164.14
12M33T	33	48	44	55	17	420	180.74
12M34T	34	49	44	55	19	420	188.63
1222M35T	35	50	44	55	19	420	188.63
12M36T	36	51	44	56	19	450	197.11
12M37T	37	52	44	56	19	450	212.16
1224M38T	38	52	44	59	22	450	212.16
12M39T	39	54	44	59	22	450	238.57
12M40T	40	54	44	59	22	450	245.14
1226M41T	41	54	44	59	22	450	245.14
12M42T	42	57	44	59	22	450	258.42
1227M43T	43	60	44	64	25	650	277.97
12M44T	44	60	44	64	25	650	277.97
12M45T	45	60	44	64	25.5	650	316.33
1229M46T	46	63	44	64	25.5	700	316.33
1211T	11/16"	28	44	45	9	300	125.93
1212M19T inch	3/4"	30	44	45	9.5	300	125.93
1213T	13/16"	34	44	46	11	350	137.58
1214T	7/8"	35	44	46	13	350	137.58
1215T	15/16"	35	44	46	13	350	137.58
1216T	1"	38	44	46	13	350	139.87
1217M27T inch	1 1/16"	40	44	48	13	350	149.16
1218T	1 1/8"	41	44	52	16.5	350	149.16
1219M30T inch	1 3/16"	41	44	52	16.5	350	149.16
1220T	1 1/4"	44	44	52	17	350	164.14
1221T	1 5/16"	48	44	55	19	420	180.74
1222M35T inch	1 3/8"	50	44	55	19	420	188.63
1223T	1 7/16"	51	44	56	19	450	198.81
1224M38T inch	1 1/2"	52	44	59	22	450	212.16
1225T	1 9/16"	54	44	59	22	450	238.57
1226M41T inch	1 5/8"	54	44	59	22	450	245.14
1227M43T inch	1 11/16"	60	44	64	25	650	277.97
1228T	1 3/4"	60	44	64	25.5	650	277.97
1229M46T inch	1 13/16"	63	44	64	25.5	700	316.33

12LT 3/4”

Cap cheie tubulara de impact cu pereti subtiri 3/4" 6 laturi, lung

- *patrat de antrenare 3/4” DIN 3121 - forma H20*
- *hexagon interior conform DIN 475/2*





3/4” 20mm

OZAT 2000 LTD.

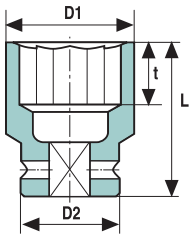
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
12M17LT	17	28	44	90	9	700	193.96
12M18T	18	30	44	90	9	700	193.96
1212M19LT	19	30	44	90	9.5	700	193.96
12M20LT	20	30	44	90	10	700	197.26
12M21LT	21	34	44	90	11	700	197.64
12M22LT	22	35	44	90	11	700	197.64
12M23LT	23	35	44	90	13	700	197.64
12M24LT	24	38	44	90	13	700	197.64
12M25LT	25	38	44	90	13	700	211.71
12M26LT	26	40	44	90	13	700	211.71
1217M27LT	27	40	44	90	13	700	211.71
12M28LT	28	41	44	90	14	700	259.94
12M29LT	29	41	44	90	16.5	700	259.94
1219M30LT	30	41	44	90	16.5	700	259.94
12M31LT	31	44	44	90	17	700	269.00
12M32LT	32	48	44	90	17	750	269.00
12M33LT	33	48	44	90	17	750	344.22
12M34LT	34	49	44	90	19	750	344.22
1222M35LT	35	50	44	90	19	750	344.22
12M36LT	36	51	44	90	19	880	344.22
12M37LT	37	52	44	90	19	880	369.61
1224M38LT	38	52	44	90	22	880	369.61
12M39LT	39	54	44	90	22	800	394.34
12M40LT	40	54	44	90	22	800	394.34
1226M41LT	41	54	44	90	22	800	407.55
12M42LT	42	57	44	90	22	800	407.55
1227M43LT	43	60	44	90	25	850	407.55
12M44LT	44	60	44	90	25	850	510.25
12M45LT	45	60	44	90	25.5	850	510.25
1229M46LT	46	63	44	90	25.5	1000	510.25
1211LT	11/16"	28	44	90	9	700	193.96
1212M19LT inch	3/4"	30	44	90	9.5	700	193.96
1213LT	13/16"	34	44	90	11	700	197.17
1214LT	7/8"	35	44	90	13	700	197.64
1215LT	15/16"	35	44	90	13	700	197.64
1216LT	1"	38	44	90	13	700	211.71
1217M27LT inch	1 1/16"	40	44	90	13	700	211.71
1218LT	1 1/8"	41	44	90	16.5	700	259.94
1219M30LT inch	1 3/16"	41	44	90	16.5	700	259.94
1220LT	1 1/4"	44	44	90	17	700	269.00
1221LT	1 5/16"	48	44	90	19	750	344.22
1222M35LT inch	1 3/8"	50	44	90	19	750	344.22
1223LT	1 7/16"	51	44	90	19	880	344.22
1224M38LT inch	1 1/2"	52	44	90	22	880	369.61
1225LT	1 9/16"	54	44	90	22	800	394.34
1226M41LT inch	1 5/8"	54	44	90	22	800	407.55
1227M43LT inch	1 11/16"	60	44	90	25	850	407.55
1228LT	1 3/4"	60	44	90	25.5	850	510.25
1229M46LT inch	1 13/16"	63	44	90	25.5	1000	510.25

12DS 3/4”

Cap cheie tubulara de impact 3/4" 8 laturi, scurt

• patrat de antrenare 3/4” DIN 3121 - forma H20





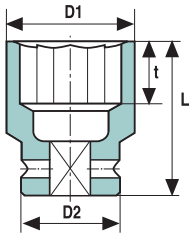
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1222M35DS	35	67	44	53	19	620	195.93
1224M38DS	38	67	44	57	22	680	195.93
1226M41DS	41	78	54	57	22	1000	201.54
1227M43DS	43	82	54	62	25	1200	212.46
1229M46DS	46	82	54	63	25.5	1180	247.43
1220DS	1 1/4"	60	44	53	17	550	195.93
1221DS	1 5/16"	63	44	53	19	640	195.93
1222M35DS inch	1 3/8"	67	44	53	19	620	195.93
1223DS	1 7/16"	67	44	57	19	720	195.93
1224M38DS inch	1 1/2"	67	44	57	22	680	195.93
1225DS	1 9/16"	78	54	57	22	930	195.93
1226M41DS inch	1 5/8"	78	54	57	22	1000	201.54
1227M43DS inch	1 11/16"	82	54	62	25	1200	212.46
1228DS	1 3/4"	82	54	63	25.5	1150	230.46
1229M46DS inch	1 13/16"	82	54	63	25.5	1180	247.43
1230DS	1 7/8"	82	54	65	27	1220	389.36

12LDS 3/4”

Cap cheie tubulara de impact 3/4" 8 laturi, lung

• patrat de antrenare 3/4” DIN 3121 - forma H20





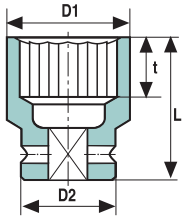
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1222M35LDS	35	67	44	81	19	820	367.97
1224M38LDS	38	67	44	81	22	750	388.25
1226M41LDS	41	78	54	81	22	1200	486.59
1227M43LDS	43	82	54	81	25	1300	499.35
1229M46LDS	46	82	54	81	25.5	1300	527.68
1220LDS	1 1/4"	60	44	81	17	770	338.39
1221LDS	1 5/16"	63	44	81	19	770	338.39
1222M35LDS inch	1 3/8"	67	44	81	19	820	367.97
1223LDS	1 7/16"	67	44	81	19	800	388.25
1224M38LDS inch	1 1/2"	67	44	81	22	750	388.25
1225LDS	1 9/16"	78	54	81	22	1200	447.57
1226M41LDS inch	1 5/8"	78	54	81	22	1200	486.59
1227M43LDS inch	1 11/16"	82	54	81	25	1300	499.35
1228LDS	1 3/4"	82	54	81	25.5	1300	511.97
1229M46LDS inch	1 13/16"	82	54	81	25.5	1300	527.68
1230LDS	1 7/8"	82	54	81	27	1300	542.14

12DH 3/4”

Cap cheie tubulara de impact 3/4" 12 laturi, scurt

• patrat de antrenare 3/4” DIN 3121 - forma H20





	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
12M17DH	17	29	44	45	9	290	112.32
12M18DH	18	32	44	45	9	290	112.32
1212M19DH	19	32	44	45	9.5	290	112.32
12M20DH	20	35	44	46	10	340	121.76
12M21DH	21	35	44	46	11	340	121.76
12M22DH	22	38	44	46	11	340	121.76
12M23DH	23	38	44	46	13	340	121.76
12M24DH	24	40	44	46	13	340	121.76
12M25DH	25	41	44	46	13	340	128.65
12M26DH	26	41	44	46	13	340	128.65
1217M27DH	27	41	44	48	13	380	131.95
12M28DH	28	44	44	48	14	380	131.95
12M29DH	29	44	44	52	16.5	380	131.95
1219M30DH	30	44	44	52	16.5	380	131.95
12M31DH	31	49	44	52	17	420	174.23
12M32DH	32	49	44	52	17	420	174.23
12M33DH	33	49	44	55	17	430	174.23
12M34DH	34	52	44	55	19	460	174.23
1222M35DH	35	52	44	55	19	460	174.23
12M36DH	36	52	44	56	19	460	174.23
12M37DH	37	54	44	56	19	490	187.64
1224M38DH	38	54	44	59	22	490	187.64
12M39DH	39	57	44	59	22	520	187.64
12M40DH	40	57	44	59	22	520	216.90
1226M41DH	41	57	44	59	22	520	216.90
12M42DH	42	60	44	59	22	550	228.88
1227M43DH	43	63	44	64	25	600	228.88
12M44DH	44	63	44	64	25	600	253.24
12M45DH	45	63	44	64	25.5	600	280.04
1229M46DH	46	67	44	64	25.5	850	280.04
12M47DH	47	67	54	64	25.5	850	280.04
12M48DH	48	67	54	67	27	910	319.59
1231M49DH	49	70	54	67	27	950	319.59
12M50DH	50	70	54	67	27	950	319.59
1232M51DH	51	73	54	67	27	1040	339.69
12M52DH	52	73	54	70	27	1040	339.69
1234M54DH	54	73	54	71	30	1040	393.59
12M55DH	55	78	54	71	30	1200	393.59
12M56DH	56	78	54	74	32	1200	404.44
1236M57DH	57	82	54	75	33	1320	422.00
12M58DH	58	82	54	75	33	1320	437.10
1237M59DH	59	82	54	75	33	1320	437.10
12M60DH	60	82	54	75	33	1320	512.23
12M61DH	61	86	54	75	35	1430	580.09
1211DH	11/16"	29	44	45	9	290	112.32
1212M19DH inch	3/4"	32	44	45	9.5	290	112.32
1213DH	13/16"	35	44	46	11	340	121.76
1214DH	7/8"	38	44	46	13	340	121.76
1215DH	15/16"	40	44	46	13	340	121.76
1216DH	1"	41	44	46	13	340	128.65

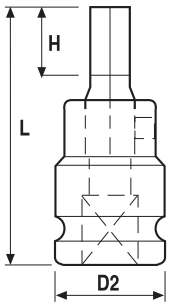
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1217M27DH inch	1 1/16"	41	44	48	48	380	**131.95**
1218DH	1 1/8"	44	44	52	52	380	**131.95**
1219M30DH inch	1 3/16"	44	44	52	52	380	**131.95**
1220DH	1 1/4"	49	44	52	52	420	**174.23**
1221DH	1 5/16"	49	44	55	55	430	**174.23**
1222M35DH inch	1 3/8"	52	44	55	55	460	**174.23**
1223DH	1 7/16"	52	44	56	56	460	**174.23**
1224M38DH inch	1 1/2"	54	44	59	59	490	**187.64**
1225DH	1 9/16"	57	44	59	59	520	**211.14**
1226M41DH inch	1 5/8"	57	44	59	59	520	**216.90**
1227M43DH inch	1 11/16"	63	44	64	64	600	**228.88**
1228DH	1 3/4"	63	44	64	64	600	**253.24**
1229M46DH inch	1 13/16"	67	44	64	64	850	**280.04**
1230DH	1 7/8"	67	54	67	67	910	**280.04**
1231M49DH inch	1 15/16"	70	54	67	67	950	**319.59**
1232M51DH inch	2"	73	54	67	67	1040	**339.69**
1233DH	2 1/16"	73	54	71	71	1040	**339.69**
1234M54DH inch	2 1/8"	73	54	71	71	1040	**393.59**
1235DH	2 3/16"	78	54	74	74	1200	**397.46**
1236M57DH inch	2 1/4"	82	54	75	75	1320	**422.09**
1237M59DH inch	2 5/16"	82	54	75	75	1320	**437.19**
1238DH	2 3/8"	82	54	75	75	1320	**568.86**

12V 3/4”

Cap cheie tubulara de impact 3/4" cu profil hexagon exterior, 2 piese

- *patrat de antrenare 1/2” DIN 3121 - H20*
- *profil hexagon exterior DIN/ISO 2963*
- *realizat din 2 piese*





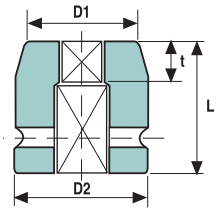
	Dimensiune	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	gr	
12M10V	10	38	69	16	310	**181.99**
12M11V	11	38	69	18	310	**181.99**
12M12V	12	38	69	18	310	**181.99**
12M13V	13	38	69	21	310	**181.99**
12M14V	14	38	69	21	310	**181.99**
12M15V	15	38	69	26	310	**181.99**
12M16V	16	38	69	26	310	**181.99**
12M17V	17	38	69	26	310	**214.82**
12M18V	18	38	84	26	630	**214.82**
12M19V	19	38	84	26	630	**214.82**
12M20V	21	44	84	26	630	**254.43**
12M21V	21	44	84	26	630	**271.03**
12M22V	22	44	84	26	630	**271.03**
12M23V	23	44	84	26	630	**323.93**
12M24V	24	44	84	26	630	**323.93**
1206V	3/8"	38	69	16	310	**181.99**
1207V	7/16"	38	69	18	310	**181.99**
1208V	1/2"	38	69	19	310	**188.63**
1209V	9/16"	38	69	21	310	**188.63**
1210V	5/8"	38	69	24	310	**214.82**
1212V	3/4"	44	69	26	630	**224.85**
1213V	13/16"	44	84	26	630	**231.49**
1214V	7/8"	44	84	26	630	**264.39**
1216V	1"	44	104	30	630	**297.74**

12B 3/4”

Cap cheie tubulara de impact 3/4" 6 laturi, pentru camioane

- *patrat de antrenare 3/4” DIN 3121 - forma H20*



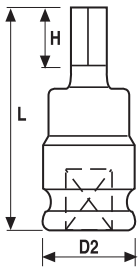


	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1213B	13/16"	42	44	46	12,0	390	**149.24**
1213BL	13/16"	42	44	90	12,0	800	**232.60**
1224BS	13/16"+1.1/2"	54	44	90	14,5	1000	**463.80**

Cap cheie tubulara de impact 3/4" cu profil hexagon exterior, o piesa, standard

- *patrat de antrenare 1/2” DIN 3121 - H20*
- *profil hexagon exterior DIN/ISO 2963*





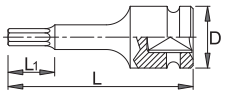
	Dimensiune	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	gr	
12M10H	10	38	59	10	260	**165.32**
12M11H	11	38	59	11	280	**165.32**
12M12H	12	38	59	12	280	**165.32**
12M13H	13	38	59	13	280	**165.32**
12M14H	14	38	59	14	280	**165.32**
12M15H	15	38	59	15	280	**198.15**
12M16H	16	38	59	16	280	**198.15**
12M17H	17	38	62	17	280	**198.15**
12M18H	18	38	62	18	450	**198.15**
12M19H	19	44	64	19	450	**198.15**
12M20H	20	44	64	20	460	**213.20**
12M21H	21	44	64	21	460	**213.20**
12M22H	22	44	67	22	460	**213.20**
12M23H	23	44	67	23	500	**213.20**
12M24H	24	44	67	24	500	**213.20**
1206H	3/8"	38	59	10	265	**125.93**
1207H	7/16"	38	59	11	270	**165.32**
1208H	1/2"	38	59	13	270	**165.32**
1209H	9/16"	38	62	14	280	**198.15**
1210H	5/8"	38	62	16	280	**198.15**
1212H	3/4"	44	64	19	450	**149.16**
1213H	13/16"	44	67	21	460	**224.85**
1214H	7/8"	44	67	22	470	**149.16**
1216H	1"	44	67	25	510	**232.38**

745

Capete profil hexagon exterior de impact 3/4"

- *material: crom molibden*
- *actionare: patrat 3/4"*
- *conform DIN 3121 - H 20*
- *deschidere: hexagon DIN / ISO 2936*





		D2	L	T				
1000074505	HX 12	44	62	11,0	359	1C	1	211.48
1000074506	HX 14	44	62	11,0	366	1C	1	211.48
1000074507	HX 17	44	62	13,0	378	1C	1	211.48
1000074508	HX 19	44	62	18,0	387	1C	1	211.48
1000074509	HX 22	44	62	18,0	411	1C	1	211.48
1000074510	HX 24	44	62	20,0	423	1C	1	211.48
1000074511	HX 27	44	62	20,0	462	1C	1	211.48
1000074512	HX 30	44	62	20,0	464	1C	1	211.48
1000074513	HX 32	44	62	20,0	509	1C	1	211.48

Bit pentru cap cheie tubulara impact 3/4", profil hexagon exterior

- *profil hexagon exterior DIN/ISO 2963*



	Dimensiune mm/inch	
HM10	10	54.15
HM11	11	54.15
HM12	12	56.21
HM13	13	56.21
HM14	14	56.21
HM15	15	64.55
HM16	16	89.11
HM17	17	89.11
HM18	18	89.11
HM19	19	89.11
HM20	20	89.11
HM21	21	89.11
HM22	22	89.11
HM23	23	145.77
HM24	24	145.77
H06	3/8"	56.21
H07	7/16"	56.21
H08	1/2"	60.86
H09	9/16"	60.86
H10	5/8"	70.82
H12	3/4"	80.78
H13	13/16"	80.78
H14	7/8"	80.78
H16	1"	91.18

12H 3/4"

Cap cheie tubulara impact 3/4" suport pentru bit profil hexagon exterior

- *patrat de antrenare 3/4" DIN 3121 - forma H20*



	Dimensiune HEX	
12H16	3/4" suport pentru 16 mm bit 6 laturi, 9-16 mm si 3/8"-5/8"	145.77
12H22	3/4" suport pentru 22 mm bit 6 laturi, 17 -22 mm si 3/4"-7/8"	182.43
12H32	3/4" suport pentru 32 mm bit 6 laturi 23-32 mm si 1"-1.1/4"	199.48

745 E

Bit de impact cu profil hexagon 16 mm

- *material: crom molibden*
- *deschidere: 16 mm hexagon DIN/ISO 2936*



		L	T				
1000074554	HX 10	40		45	1C	1	97.40
1000074555	HX 12	40		51	1C	1	97.40
1000074556	HX 14	40		60	1C	1	97.40
1000074557	HX 17	40		71	1C	1	97.40
1000074558	HX 19	40		79	1C	1	97.40
1000074559	HX 22	40		98	1C	1	99.45
1000074560	HX 24	40		110	1C	1	107.22

745 H

Adaptor pentru biti interschimbabili 3/4"

- *material: crom molibden*
- *actionare: patrat 3/4"*
- *conform DIN 3121 - H 20*
- *deschidere: hexagon 16 mm*



		D2	D1	L				
1000074550	16	44	32	52	370	1C	1	274.54

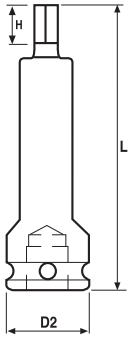


12HL4 3/4”

Cap cheie tubulara de impact 3/4" cu profil hexagon exterior, o piesa, lung 100 mm

- *patrat de antrenare 1/2” DIN 3121 - H20*
- *profil hexagon exterior DIN/ISO 2963*





OZAT 2000 LTD.

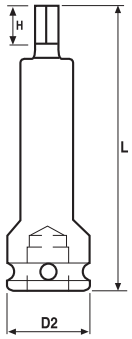
	Dimensiune	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	gr	
12M10HL4	10	38	100	10	350	198.15
12M12HL4	12	38	100	12	350	198.15
12M14HL4	14	38	100	14	350	224.85
12M17HL4	17	38	100	17	350	224.85
12M19HL4	19	44	100	19	550	251.04
12M22HL4	22	44	100	22	550	281.07
12M24HL4	24	44	100	24	550	281.07
1206HL4	3/8"	38	100	10	350	198.15
1207HL4	7/16"	38	100	11	350	198.15
1208HL4	1/2"	38	100	13	350	198.15
1209HL4	9/16"	38	100	14	350	224.85
1210HL4	5/8"	38	100	16	350	224.85
1212HL4	3/4"	44	100	19	550	251.04
1213HL4	13/16"	44	100	21	550	251.04
1214HL4	7/8"	44	100	22	550	281.07
1216HL4	1"	44	100	25	550	281.07

12HL6 3/4”

Cap cheie tubulara de impact 3/4" cu profil hexagon exterior, o piesa, lung 150 mm

- *patrat de antrenare 1/2” DIN 3121 - H20*
- *profil hexagon exterior DIN/ISO 2963*





OZAT 2000 LTD.

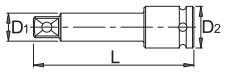
	Dimensiune	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	gr	
12M10HL6	10	38	150	10	390	281.07
12M12HL6	12	38	150	12	390	281.07
12M14HL6	14	38	150	14	390	281.07
12M17HL6	17	38	150	17	390	281.07
12M19HL6	19	44	150	19	600	303.93
12M22HL6	22	44	150	22	600	347.24
12M24HL6	24	44	150	24	600	347.24
1206HL6	3/8"	38	150	10	390	281.07
1207HL6	7/16"	38	150	11	390	281.07
1208HL6	1/2"	38	150	13	390	281.07
1209HL6	9/16"	38	150	14	390	281.07
1210HL6	5/8"	38	150	16	390	281.07
1212HL6	3/4"	44	150	19	600	303.93
1213HL6	13/16"	44	150	21	600	303.93
1214HL6	7/8"	44	150	22	600	347.24
1216HL6	1"	44	150	25	600	125.93

232.4/4

Prelungitor lung de impact 3/4"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

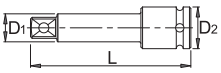
		L	D1	D2				
603993	3/4"	175	25.5	44	882	1B	1	232.62
603992	3/4"	250	25.5	44	1245	1B	1	275.90

540

Prelungitor de impact 3/4"

- *material: crom molibden*
- *actionare: patrat 3/4”*
- *conform DIN 3121 - H 20*
- *deschidere: hexagon DIN / ISO 691*





ASW wekador

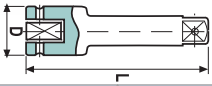
		E	A	D2	L				
1000005401	540-1	3/4”	3/4”	44	175	867	1C	1	244.26
1000005402	540-2	3/4”	3/4”	44	250	1168	1C	1	309.84
1000005403	540-3	3/4”	3/4”	44	330	1483	1C	1	520.57

E12 3/4”

Prelungitor de impact 3/4"

- *patrat de antrenare 3/4” DIN 3121 - forma H20*





OZAT 2000 LTD.

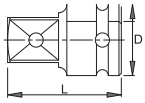
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
E1203	3/4"	3/4"	44	75	470	237.91
E1204	3/4"	3/4"	44	100	550	255.02
E1205	3/4"	3/4"	44	125	690	271.92
E1207	3/4"	3/4"	44	175	900	305.85
E1210	3/4"	3/4"	44	250	1200	382.28
E1213	3/4"	3/4"	44	325	1460	399.32

232.7/4

Adaptor de impact 3/4"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

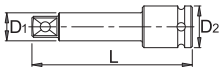
		D	L				
603995	3/4" - 1/2"	44	56	323	1B	1	144.26
618708	3/4" - 1"	44	63	443	1B	1	150.33

NOU

Prelungitor lung de impact 3/4"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





cobit tool technology

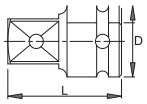
		L	D1	D2				
60834	3/4"	175	25.5	44	882	1B	1	138.62
60835	3/4"	250	25.5	44	1245	1B	1	176.78

NOU

Adaptor de impact 3/4"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





cobit tool technology

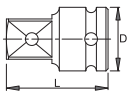
		D	L				
60995	3/4" - 1/2"	44	56	323	1B	1	96.85
60996	3/4" - 1"	44	63	443	1B	1	129.61

440

Adaptor patrat interior 3/4"- patrat exterior 1/2" si 1"

- *material: crom molibden*
- *actionare: patrat 3/4"*
- *conform DIN 3121 - H 20*
- *deschidere: patrat, DIN 3121*





ASW

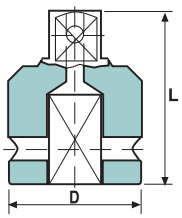
		E	A	D2	L				
1000004401	440-1	3/4"	1/2"	44	57	314	1C	1	178.69
1000004402	440-2	3/4"	1"	44	63	436	1C	1	195.08

A12 3/4"

Adaptor de impact mama-tata 3/4"

- *patrat de antrenare 3/4" DIN 3121 - forma H20*





OZAT 2000 LTD.

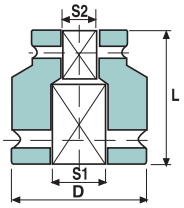
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
A1208	3/4"	1/2"	44	55	340	136.03
A1210	3/4"	5/8"	44	57	350	144.44
A1216	3/4"	1"	44	59	400	195.42

AN12 3/4"

Adaptor de impact mama-mama 3/4"

- *patrat de antrenare 3/4" DIN 3121 - forma H20*





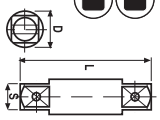
OZAT 2000 LTD.

	Patrat		D	L	Greutate	
	interior	interior	mm	mm	gr	
AN1208	3/4"	1/2"	44	49	320	178.45
AN1210	3/4"	5/8"	44	50	370	203.90
AN1212	3/4"	3/4"	44	49	390	178.45
AN1612	1"	3/4"	54	63	680	433.25

Z12 3/4"

Adaptor de impact tata-tata 3/4"





OZAT 2000 LTD.

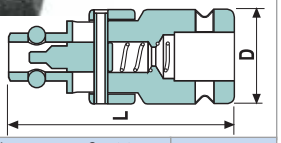
	Patrat		D	L	Greutate	
	exterior	exterior	mm	mm	gr	
Z1202	3/4"	3/4"	25.4	51	140	76.43
Z1203	3/4"	3/4"	25.4	78	280	76.43
Z1204	3/4"	3/4"	25.4	101	360	127.48
Z1205	3/4"	3/4"	25.4	127	460	127.48
Z1207	3/4"	3/4"	25.4	177	640	305.85
Z1210	3/4"	3/4"	25.4	254	820	382.28
Z1213	3/4"	3/4"	25.4	330	1240	407.80
Z1215	3/4"	3/4"	25.4	381	1350	424.84
Z1216	3/4"	3/4"	25.4	406	1510	458.78

QCAD12 3/4"

Adaptor de impact cu prindere rapida 3/4"

- *patrat de antrenare 3/4" DIN 3121 - forma H20*





OZAT 2000 LTD.

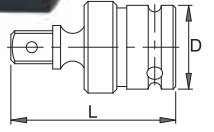
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
QCAD12	3/4"	3/4"	44	78	500	703.03

232.6/4

Intermediar cardanic de impact 3/4"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

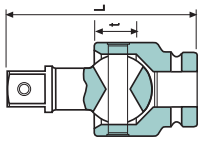
		D	L				
603994	3/4"	44	90	539	1B	1	354.75

U12 3/4”

Intermediar cardanic de impact 3/4"

• *patrat de antrenare 3/4” DIN 3121 - forma H20*





OZAT 2000 LTD.

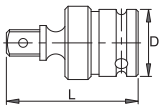
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
U1212	3/4"	3/4"	44	94	590	358.01

440 KG

Intermediar cardanic de impact 3/4"

• *material: crom molibden*
• *actionare: patrat 3/4”*
• *conform DIN 3121 - H 20*
• *deschidere: patrat, DIN 3121*





ASW wekador

		E	A	D2	L				
1000004404	440 KG-4	3/4"	3/4"	44	90	529	1C	1	681.79

740 SWH

Prelungitor cu eliberare rapida 3/4”

• *actionare: patrat 3/4”, DIN 3121 Forma H 20*
• *deschidere: patrat, Forma A cu bila*



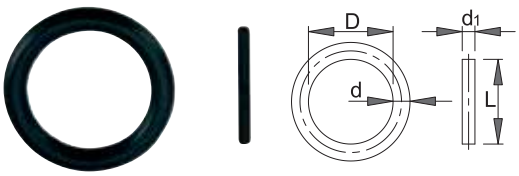
ASW wekador

		E	A	L	D2				
1000074950	740 SWH	3/4"	3/4"	78	44	541	1C	1	853.48

232.8/4

Inel de retinere cu stift 3/4"

• *materialul pinului: crom molibden*
• *materialul inelului: cauciuc*
• *finisaj de suprafata al stiftului: fosfatat conform DIN standard*



UNIOR

			D	d	L	d1			
603996	3/4"	17 - 46	35	4.5	35	4	11	1E	1	48.03

740 GR

Inel retentie



ASW wekador

	D2	mm			
1000074900	44	≤ SW 46	1C		16.30
1000074901	54	> SW 46	1C		16.31

740 ST

Pin blocare



ASW wekador

	D2	mm			
1000074910	44	≤ SW 46	1C		7.96
1000074911	54	> SW 46	1C		8.15

740 DF1

Clema blocare

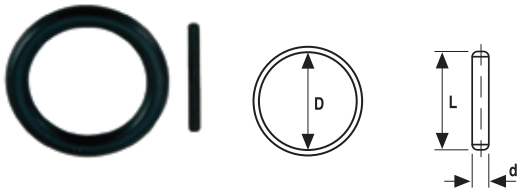


ASW wekador

	mm			
1000199924	≤ SW 46	1C		63.95

PR12 3/4”

Accesorii de impact 3/4"



OZAT 2000 LTD.

	Patrat	Tip	Q	d	L	D	
				mm	mm	mm	
P1244	3/4"	pin	44	4	35	-	5.02
P1254	3/4"	pin	54	4	45	-	5.02
R1244	3/4"	inel	44	-	-	36	8.48
R1254	3/4"	inel	54	-	-	46	8.48

SET-020 / SET-018

Trusa capete tubulare de impact scurte 3/4"



OZAT 2000 LTD.

	Dimensiune	
SET 12-01	19-41 mm / 16 piese 19, 20, 21, 22, 24, 25, 27, 30, 32, 33, 35, 36, 38, 41 mm, prelungitor 175 mm, intermediar cardanic 3/4", pin, inel	2076.71
SET 12-02	11-27 mm / 16 piese 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4", 1 5/16", 1 7/16", 1 1/2", 1 5/8" prelungitor 175 mm, intermediar cardanic 3/4", pin, inel	1780.89

740 KS 9

Trusa capete chei tubulare de impact 3/4” 9 piese

• *cutie plastic*



1020026353	19 - 46 / 10	**1443.54**

3/4" capete chei tubulare de de impact:
SW 19, 22, 24, 27, 30, 32, 36, 41, 46
inel de retinere si stift de blocare: **(074900, 074910)**

740 KS20 OL NOU

Trusa capete chei tubulare de impact 3/4” 20 piese

• *cutie plastic*



1020009210	19 - 60 / 20	**4311.36**

3/4" capete chei tubulare de de impact: SW 19, 22, 24, 27, 30, 32, 33, 34, 36, 38, 41, 46, 50, 55, 60
inel de retinere: ≤ SW 46; ≤ SW 70; pin: ≤ SW 46; ≤ SW 70; prelungitor: ¾” x 250 mm

SET-041

Trusa capete tubulare de impact scurte 3/4" 24-33 mm /4 piese



SET 12-03	24 - 33 / 4	**503.19**

24, 27, 30, 33, mm

232PB1

Trusa capete chei tubulare varianta lunga 3/4"

• *Dimensiunea cutiei : 307 x 260 x 70*



621459	24 - 36 / 7	5340	**1323.61**

232/4L6p(24, 27, 30, 32, 33, 36),
232.8/4 (3/4"), **981PBM2**(307 x 260 x 74)

06011 NOU

Trusa capete tubulare de IMPACT 3/4” 26-38 mm / 8 piese

• *material:crom molibden*
• *forjata, calire si revenire totala*
• *acoperire prin brunare dupa standardul ISO 9717*
• *in conformitate cu standardul ISO 2725-2*



COB-06011	26 - 38 / 8	2250	**900.82**

26, 27, 29, 30, 32, 35, 36, 38

06012 NOU

Trusa capete tubulare de IMPACT 3/4” 24-38 mm / 8 piese

• *material:crom molibden*
• *forjata, calire si revenire totala*
• *acoperire prin brunare dupa standardul ISO 9717*
• *in conformitate cu standardul ISO 2725-2*



COB-06012	24 - 38 / 8	2250	**900.82**

24, 27, 29, 30, 32, 34, 36, 38

06013 NOU

Trusa capete tubulare de IMPACT 3/4” 17-45 mm / 10 piese

• *material:crom molibden*
• *forjata, calire si revenire totala*
• *acoperire prin brunare dupa standardul ISO 9717*
• *in conformitate cu standardul ISO 2725-2*



COB-06013	17 - 45 / 10	3350	**986.89**

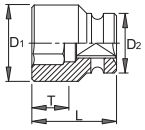
17, 19, 22, 24, 27, 30, 32, 36, 41, 46

750

Capete chei tubulare de impact 1"

• *material: crom molibden*
• *actionare: patrat 1”*
• *conform DIN 3121 - H 25*
• *deschidere: hexagon DIN / ISO 691*





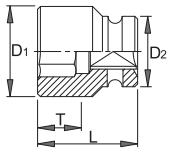
		D2	D1	L	T		
1000075000	19	54	35,5	58	17,0	629	**227.29**
1000075001	21	54	37,5	58	17,0	640	**227.29**
1000075002	22	54	40,0	58	17,0	661	**195.08**
1000075003	24	54	42,0	58	17,0	592	**195.08**
1000075004	27	54	46,0	58	17,0	682	**195.08**
1000075005	28	54	47,0	58	17,0	666	**201.64**
1000075006	29	54	48,0	60	19,0	595	**201.64**
1000075007	30	54	50,0	60	21,0	714	**201.64**
1000075008	32	54	52,0	60	21,0	685	**201.64**
1000075009	33	54	53,0	60	21,0	676	**201.64**
1000075010	34	54	55,0	62	21,0	726	**213.11**
1000075011	36	54	56,0	65	30,0	756	**213.11**
1000075012	38	54	59,0	65	30,0	815	**240.98**
1000075013	39	54	60,0	67	31,0	795	**240.98**
1000075014	41	54	63,0	67	31,0	846	**249.18**
1000075015	46	54	69,5	74	36,0	1133	**273.77**
1000075016	50	54	74,0	80	42,0	1312	**319.67**
1000075017	55	54	81,0	84	44,0	1479	**336.07**
1000075018	60	54	87,0	87	44,0	1727	**391.80**
1000075019	65	54	93,0	90	46,0	1981	**627.87**
1000075020	70	54	100,0	96	51,0	2271	**759.02**
1000075021	75	86	104,0	98	52,0	3622	**1082.37**
1000075022	80	86	109,0	100	52,0	3539	**1179.77**
1000075023	85	86	115,0	100	52,0	4440	**1540.73**
1000075024	90	86	119,0	105	55,0	4845	**1841.91**
1000075025	95	86	130,0	105	55,0	5629	**1991.70**
1000075026	100	95	136,0	105	55,0	6340	**2594.65**

233/4 6p

Capete chei tubulare de impact 1"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *in conformitate cu standardul ISO 2725-2(numai dimensiunile in mm)*





UNIOR

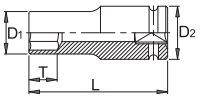
		D1	D2	L	T				
615195	22	40	54	58	17	677	1C	5	173.11
615196	24	42	54	58	17	679	1C	5	173.11
615197	27	46	54	58	17	694	1C	5	173.11
615198	30	50	54	60	21	726	1C	5	173.11
615199	32	52	54	60	21	704	1C	5	173.11
615200	33	53	54	60	21	703	1C	5	192.46
615201	34	55	54	62	21	688	1C	5	192.46
615202	36	56	54	65	30.5	785	1C	5	192.46
615203	38	59	54	65	30	844	1C	5	227.87
615204	41	63	54	67	31	933	1C	5	227.87
615205	42	64	54	74	38	1055	1C	5	249.51
615206	46	69	54	74	38	1174	1C	1	249.51
615207	50	74	54	80	42	1367	1C	1	287.38
615208	55	80	54	84	44.5	1632	1C	1	301.48
615209	60	86	54	87	44.5	1715	1C	1	357.54
615210	65	92	54	90	46.5	1962	1C	1	516.39
615211	70	99	54	96	51	2370	1C	1	611.48
615212	75	104	86	98	52	3364	1C	1	693.93
615213	80	109	86	100	53	3656	1C	1	746.56

233/4L6p

Capete de impact varianta lunga 1”

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

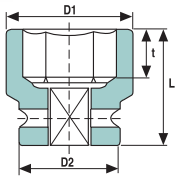
		D1	D2	L	T				
616771	22	40	54	100	21	879	1C	5	244.59
616772	24	42	54	100	21	921	1C	5	244.59
616773	27	46	54	100	24	1012	1C	5	244.59
616774	30	50	54	100	24	1075	1C	5	244.59
616775	32	52	54	100	24	1090	1C	5	244.59
616776	33	53	54	100	24	1109	1C	5	244.59
616777	34	55	54	100	40	1162	1C	5	244.59
616778	36	56	54	100	65	1207	1C	5	244.59
616779	38	59	54	100	65	1222	1C	5	244.59
616780	41	63	54	100	64	1367	1C	5	262.95
616781	42	64	54	100	64	1380	1C	5	270.16
616782	46	69	54	100	63	1613	1C	1	299.02
616783	50	74	54	100	62	1793	1C	1	332.30
616784	55	80	54	100	60	1976	1C	1	428.85
616785	60	86	54	120	78	2726	1C	1	587.38
616786	65	92	54	125	80	3192	1C	1	649.18
616787	70	99	54	125	80	3595	1C	1	730.98
616788	75	104	86	135	85	4512	1C	1	1000.82
616789	80	109	86	135	85	5532	1C	1	1038.85

16S 1”

Cap cheie tubulara de impact 1" 6 laturi, scurt

- *patrat de antrenare 1" DIN 3121 - forma H 25*
- *hexagon interior conform DIN 475/2*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1612M19	19	36	54	55	9.5	600	165.36
16M20	20	37	54	55	10	600	165.36
16M21	21	38	54	55	11	600	165.36
16M22	22	40	54	55	11	600	165.36
16M23	23	41	54	55	13	600	165.36
16M24	24	42	54	55	13	600	172.54
16M25	25	43	54	55	13	600	172.54
16M26	26	45	54	55	13	600	172.54
1617M27	27	46	54	55	13	600	172.54
16M28	28	47	54	55	14	600	172.54
16M29	29	48	54	57	16.5	630	172.54
1619M30	30	50	54	57	16.5	630	172.54
16M31	31	51	54	57	17	630	172.54
16M32	32	51	54	57	17	630	172.54
16M33	33	54	54	57	17	630	172.54
16M34	34	54	54	60	19	650	191.98
1622M35	35	54	54	60	19	650	191.98
16M36	36	54	54	60	19	650	191.98
16M37	37	54	54	60	19	650	191.98
1624M38	38	60	54	64	22	760	191.98
16M39	39	60	54	64	22	760	191.98
16M40	40	63	54	64	22	800	227.28
1626M41	41	63	54	64	22	800	227.28
16M42	42	63	54	64	22	800	227.28
1627M43	43	67	54	69	25	950	247.38
16M44	44	67	54	69	25	950	247.38
16M45	45	70	54	69	25.5	1000	260.50
1629M46	46	70	54	69	25.5	1000	260.50
16M47	47	70	54	69	25.5	1000	269.66
16M48	48	73	54	72	27	1080	277.49
1631M49	49	73	54	72	27	1080	298.63
16M50	50	73	54	72	27	1080	316.66
1632M51	51	73	54	72	27	1080	319.68
16M52	52	78	54	72	27	1200	363.76
1634M54	54	82	54	76	30	1400	385.66
16M55	55	82	54	76	30	1400	385.66
16M56	56	82	54	80	32	1400	406.42
1636M57	57	82	54	80	33	1400	416.90
16M58	58	86	54	80	33	1500	420.77
1637M59	59	86	54	82	33	1500	420.77
16M60	60	86	54	82	33	1500	503.45
16M61	61	88	54	85	35	1800	503.45

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1639M62	62	92	54	85	35	1800	**557.06**
1641M65	65	92	54	85	35	1800	**646.07**
1642M67	67	92	54	88	38	1800	**681.84**
1644M70	70	96	54	88	38	1800	**726.48**
1646M73	73	100	86	92	41	2700	**841.25**
1647M75	75	100	86	92	41	2700	**930.45**
1648M76	76	105	86	97	44	3200	**930.45**
16M77	77	105	86	97	44	3200	**994.06**
16M80	80	105	86	97	44	3200	**1082.12**
16M85	85	115	86	100	47	3500	**1268.06**
1654M86	86	115	86	104	49	3500	**1268.06**
16M90	90	127	86	104	49	4400	**1297.32**
1660M95	95	135	86	106	49	5200	**1491.09**
1663M100	100	135	86	112	54	5200	**1644.00**
1666M105	105	145	127	112	54	7700	**1817.38**
1669M110	110	150	127	122	62	8200	**2133.48**
16M115	115	155	127	122	67	9060	**2451.93**
1612M19 inch	3/4"	36	54	55	9.5	600	**165.36**
1613	13/16"	38	54	55	11	600	**165.36**
1614	7/8"	40	54	55	13	600	**165.36**
1615	15/16"	41	54	55	13	600	**165.36**
1616	1"	43	54	55	13	600	**172.54**
1617M27 inch	1 1/16"	46	54	55	13	600	**172.54**
1618	1 1/8"	48	54	57	16.5	630	**172.54**
1619M30 inch	1 3/16"	50	54	57	16.5	630	**172.54**
1620	1 1/4"	51	54	57	17	630	**172.54**
1621	1 5/16"	54	54	60	19	650	**172.54**
1622M35 inch	1 3/8"	54	54	60	19	650	**191.98**
1623	1 7/16"	54	54	60	19	650	**191.98**
1624M38 inch	1 1/2"	60	54	64	22	760	**191.98**
1625	1 9/16"	60	54	64	22	760	**191.98**
1626M41 inch	1 5/8"	63	54	64	22	800	**227.28**
1627M43 inch	1 11/16"	67	54	69	25	950	**247.38**
1628	1 3/4"	70	54	69	25.5	1000	**255.03**
1629M46 inch	1 13/16"	70	54	69	25.5	1000	**260.50**
1630	1 7/8"	70	54	72	27	1000	**277.49**
1631M49 inch	1 15/16"	73	54	72	27	1080	**298.63**
1632M51 inch	2"	73	54	72	27	1080	**319.68**
1633	2 1/16"	78	54	76	30	1240	**363.76**
1634M54 inch	2 1/8"	82	54	76	30	1400	**385.66**
1635	2 3/16"	82	54	80	32	1400	**406.42**
1636M57 inch	2 1/4"	82	54	80	33	1400	**416.90**
1637M59 inch	2 5/16"	86	54	82	33	1500	**420.77**
1638	2 3/8"	86	54	85	35	1500	**503.45**
1639M62 inch	2 7/16"	92	54	85	35	1800	**557.06**
1640	2 1/2"	92	54	85	35	1800	**606.61**
1641M65 inch	2 9/16"	92	54	85	35	1800	**646.07**
1642M67	2 5/8"	92	54	88	38	1800	**681.84**
1643	2 11/16"	96	54	88	38	1800	**726.48**
1644M70 inch	2 3/4"	96	54	88	38	1800	**726.48**
1645	2 13/16"	100	86	92	40	2700	**726.48**
1646M73 inch	2 7/8"	100	86	92	41	2700	**841.25**
1647M75 inch	2 15/16"	100	86	92	41	2700	**930.45**
1648M76 inch	3"	105	86	97	44	3200	**930.45**
1649	3 1/16"	105	86	97	44	3200	**994.06**
1650	3 1/8"	105	86	97	44	3200	**994.06**
1651	3 3/16"	109	86	100	47	3200	**1210.77**
1652	3 1/4"	109	86	100	47	3200	**1210.77**
1653	3 5/16"	109	86	100	47	3200	**1268.06**
1654M86 inch	3 3/8"	115	86	104	49	3500	**1268.06**
1655	3 7/16"	121	86	104	49	4120	**1268.06**
1656	3 1/2"	121	86	104	49	4120	**1268.06**
1657	3 9/16"	127	86	104	49	4400	**1491.09**
1658	3 5/8"	130	86	104	49	4700	**1491.09**
1659	3 11/16"	130	86	104	49	4700	**1491.09**
1660M95 inch	3 3/4"	135	86	106	49	5200	**1491.09**
1661	3 13/16"	135	86	112	54	5200	**1644.00**
1662	3 7/8"	135	86	112	54	5200	**1644.00**
1663M100 inch	3 15/16"	135	86	112	54	5200	**1644.00**
1664	4"	140	127	112	54	5500	**1817.38**
1665	4 1/16"	140	127	112	54	5500	**1817.38**
1666M105 inch	4 1/8"	145	127	112	54	7700	**1817.38**
1667	4 3/16"	145	127	122	62	8100	**2133.48**
1668	4 1/4"	145	127	122	62	8100	**2133.48**
1669M110 inch	4 5/16"	150	127	122	62	8200	**2133.48**
1670	4 3/8"	150	127	122	62	8200	**2451.93**
1671	4 7/16"	155	127	122	62	9060	**2451.93**
1672	4 1/2"	155	127	122	62	9060	**2451.93**

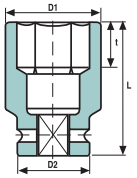
16L 1”

Cap cheie tubulara de impact 1" 6 laturi, lung

1” 25mm

- *patrat de antrenare 1” DIN 3121 - forma H 25*
- *hexagon interior conform DIN 475/2*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1612M19L	19	36	54	100	9.5	1200	**254.96**
16M20L	20	37	54	100	10	1200	**254.96**
16M21L	21	38	54	100	11	1200	**254.96**
16M22L	22	40	54	100	11	1200	**254.96**
16M23L	23	41	54	100	13	1200	**254.96**
16M24L	24	42	54	100	13	1200	**254.96**
16M25L	25	43	54	100	13	1200	**254.96**
16M26L	26	45	54	100	13	1200	**254.96**
1617M27L	27	46	54	100	13	1200	**268.36**
16M28L	28	47	54	100	14	1200	**268.36**
16M29L	29	48	54	100	16.5	1200	**268.36**
1619M30L	30	50	54	100	16.5	1200	**270.06**
16M31L	31	51	54	100	17	1200	**270.06**
16M32L	32	51	54	100	17	1200	**270.06**
16M33L	33	54	54	100	17	1200	**281.57**
16M34L	34	54	54	100	19	1200	**294.31**
1622M35L	35	54	54	100	19	1200	**294.31**
16M36L	36	54	54	100	19	1200	**294.31**
16M37L	37	54	54	100	19	1200	**330.83**
1624M38L	38	60	54	100	22	1300	**330.83**
16M39L	39	60	54	100	22	1300	**354.04**
16M40L	40	63	63	100	22	1400	**353.00**
1626M41L	41	63	54	100	22	1400	**353.00**
16M42L	42	63	54	100	22	1400	**359.42**
1627M43L	43	67	54	100	25	1500	**359.42**

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
16M44L	44	67	54	100	25	1500	**392.44**
16M45L	45	70	54	100	25.5	1600	**415.47**
1629M46L	46	70	54	100	25.5	1600	**415.47**
16M47L	47	70	54	100	25.5	1600	**509.64**
16M48L	48	73	54	100	27	1700	**509.64**
1631M49L	49	73	54	100	27	1700	**509.64**
16M50L	50	73	54	100	27	1700	**509.64**
1632M51L	51	73	54	100	27	1700	**509.64**
16M52L	52	78	54	100	27	1900	**509.64**
1634M54L	54	82	54	104	30	2200	**611.64**
16M55L	55	82	54	105	30	2200	**611.64**
16M56L	56	82	54	105	32	2200	**662.69**
1636M57L	57	82	54	105	33	2200	**662.69**
16M58L	58	86	54	105	33	2500	**688.07**
1637M59L	59	86	54	112	33	2500	**688.07**
16M60L	60	86	54	105	35	2500	**764.50**
16M61L	61	88	54	112	35	2800	**849.33**
1639M62L	62	92	54	118	35	3000	**1019.28**
1641M65L	65	92	54	118	35	3000	**1019.28**
1642M67L	67	92	54	118	38	3000	**1121.78**
1644M70L	70	96	54	124	38	3200	**1121.28**
1646M73L	73	100	86	124	41	4300	**1561.56**
1647M75L	75	100	86	124	41	4300	**1647.90**
1648M76L	76	105	86	130	44	4800	**1647.90**
16M77L	77	105	86	130	44	4800	**1647.90**
16M80L	80	105	86	132	44	4800	**1851.72**
16M85L	85	115	86	132	47	5200	**1993.73**
1654M86L	86	115	86	140	49	6000	**2161.88**
16M90L	90	127	86	140	49	7200	**2568.01**
1660M95L	95	135	86	140	49	7600	**2951.67**
1663M100L	100	135	86	143	54	7600	**3253.91**
1666M105L	105	145	127	143	54	10500	**3597.00**
1669M110L	110	150	127	149	62	11200	**4222.51**
16M115L	115	155	127	149	67	11700	**4853.21**
1612M19L inch	3/4"	36	54	100	9.5	1200	**254.96**
1613L	13/16"	38	54	100	11	1200	**254.96**
1614L	7/8"	40	54	100	13	1200	**254.96**
1615L	15/16"	41	54	100	13	1200	**254.96**
1616L	1"	43	54	100	13	1200	**254.96**
1617M27L inch	1 1/16"	46	54	100	13	1200	**268.36**
1618L	1 1/8"	48	54	100	16.5	1200	**268.36**
1619M30L inch	1 3/16"	50	54	100	16.5	1200	**270.06**
1620L	1 1/4"	51	54	100	17	1200	**270.06**
1621L	1 5/16"	54	54	100	19	1200	**281.57**
1622M35L inch	1 3/8"	54	54	100	19	1200	**294.31**
1623L	1 7/16"	54	54	100	19	1200	**294.31**
1624M38L inch	1 1/2"	60	54	100	22	1300	**330.83**
1625L	1 9/16"	60	54	100	22	1300	**353.00**
1626M41L inch	1 5/8"	63	54	100	22	1400	**353.00**
1627M43L inch	1 11/16"	67	54	100	25	1500	**359.42**
1628L	1 3/4"	70	54	100	25.5	1600	**392.44**
1629M46L inch	1 13/16"	70	54	100	25.5	1600	**415.47**
1630L	1 7/8"	70	54	100	27	1600	**509.64**
1631M49L inch	1 15/16"	73	54	100	27	1700	**509.64**
1632M51L inch	2"	73	54	100	27	1700	**509.64**
1633L	2 1/16"	78	54	100	30	1900	**509.64**
1634M54L inch	2 1/8"	82	54	104	30	2200	**611.64**
1635L	2 3/16"	82	54	105	32	2200	**611.64**
1636M57L inch	2 1/4"	82	54	105	33	2200	**662.69**
1637M59L inch	2 5/16"	86	54	112	33	2500	**688.07**
1638L	2 3/8"	86	54	112	35	2500	**764.50**

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1639M62L inch	2 7/16"	92	54	118	35	3000	**1019.28**
1640L	2 1/2"	92	54	118	35	3000	**1019.28**
1641M65L inch	2 9/16"	92	54	118	35	3000	**1019.28**
1642M67L inch	2 5/8"	92	54	118	38	3000	**1121.28**
1643L	2 11/16"	96	54	124	38	3200	**1121.28**
1644M70L inch	2 3/4"	96	54	124	38	3200	**1121.28**
1645L	2 13/16"	100	86	124	40	4300	**1503.34**
1646M73L inch	2 7/8"	100	86	124	41	4300	**1561.56**
1647M75L inch	2 15/16"	100	86	124	41	4300	**1647.90**
1648M76L inch	3"	105	86	130	44	4800	**1647.90**
1649L	3 1/16"	105	86	130	44	4800	**1647.90**
1650L	3 1/8"	105	86	132	44	4800	**1647.90**
1651L	3 3/16"	109	86	132	47	5000	**1851.72**
1652L	3 1/4"	109	86	132	47	5000	**1851.72**
1653L	3 5/16"	109	86	132	47	5000	**1851.72**
1654M86L inch	3 3/8"	115	86	140	49	6000	**2161.88**
1655L	3 7/16"	121	86	140	49	7000	**2441.66**
1656L	3 1/2"	121	86	140	49	7000	**2441.66**
1657L	3 9/16"	127	86	140	49	7200	**2682.46**
1658L	3 5/8"	130	86	140	49	7400	**2776.45**
1659L	3 11/16"	130	86	140	49	7400	**2776.45**
1660M95L inch	3 3/4"	135	86	140	49	7600	**2951.67**
1661L	3 13/16"	135	86	143	54	7600	**3037.82**
1662L	3 7/8"	135	86	143	54	7600	**3037.82**
1663M100L inch	3 15/16"	135	86	143	54	7600	**3253.91**
1664L	4"	140	127	143	54	10400	**3479.43**
1665L	4 1/16"	140	127	143	54	10400	**3479.43**
1666M105L inch	4 1/8"	145	127	143	54	10500	**3597.00**
1667L	4 3/16"	145	127	149	62	10500	**4222.51**
1668L	4 1/4"	145	127	149	62	10500	**4222.51**
1669M110L inch	4 5/16"	150	127	149	62	11200	**4222.51**
1670L	4 3/8"	150	127	149	62	11200	**4416.61**
1671L	4 7/16"	155	127	149	62	11700	**4853.21**
1672L	4 1/2"	155	127	149	62	11700	**4853.21**

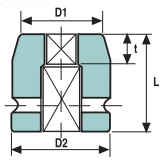
16B 1”

Cap cheie tubulara de impact 1" 6 laturi, pentru camioane

1" 25 mm

- *patrat de antrenare 1” DIN 3121 - forma H 25*
- *hexagon interior conform DIN 475/2*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
16M17B	17 mm	40	54	55	9	590	**279.59**
16M21B	21 mm	47	54	55	10	650	**283.94**
1613B	13/16"	47	54	55	12	620	**283.94**
1615B	15/16"	52,5	54	60	13	750	**290.14**
1613BL	13/16"	47	54	100	12	1320	**300.69**
1615BL	15/16"	52,5	54	100	13	1320	**310.87**

NOU

Capete chei tubulare de impact scurte 1"



		L				
60907	19	19				**129.67**
60908	21	21				**129.67**
60909	22	22				**129.67**
60910	24	24				**129.67**
60911	26	26				**129.67**
60912	27	27				**130.19**
60913	28	28				**130.19**
60914	29	29				**133.11**
60915	30	30				**133.11**
60916	32	32				**133.11**
60917	33	33				**133.11**
60918	34	34				**136.04**
60919	35	35				**138.45**
60920	36	36				**138.45**
60921	38	38				**142.70**
60922	41	41				**152.28**
60923	42	42				**152.28**
60924	46	46				**175.86**
60925	50	50				**221.07**
60926	52	52				**227.44**
60927	54	54				**263.53**
60928	55	55				**276.79**
60929	56	56				**285.11**
60930	58	58				**286.20**
60931	60	60				**312.82**
60932	65	65				**481.16**
60933	70	70				**649.34**
60934	75	75				**796.91**
60935	80	80				**826.46**
60936	85	85				**1062.68**
60937	90	90				**1321.85**
60938	95	95				**1416.64**
60939	100	100				**1730.66**



NOU

Capete chei tubulare de impact lungi 1”



		L				
60940	19	90				**219.24**
60941	22	90				**224.23**
60942	23	90				**224.23**
60943	24	90				**224.23**
60944	27	90				**226.64**
60945	30	90				**226.64**
60946	32	90				**226.64**
60947	33	90				**226.87**
60948	34	90				**226.87**
60949	36	90				**226.87**
60950	38	90				**256.76**
60951	39	90				**270.93**
60952	41	90				**279.20**
60953	46	100				**315.80**
60954	50	100				**354.13**
60955	52	100				**371.29**
60956	55	108				**394.18**
60957	60	108				**512.20**
60958	65	120				**589.72**
60959	70	125				**944.54**
60960	75	120				**1151.79**
60961	80	125				**1342.51**

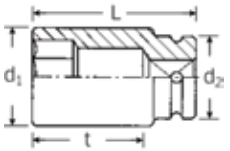
2609

Cap cheie tubulara de impact, patrat de antrenare de 1", lunga, cu profil subtiat, pentru roti

1"

• extra lunga cu diamteru redus





		d1	d2	L	t			
SW 26090027	27	42.3	54	110	80	1001	2	**675.26**
SW 26090030	30	46	54	110	79.5	1047	2	**743.29**
SW 26090032	32	48.5	54	110	79	1015	2	**785.75**
SW 26090033	33	49.8	54	110	78.5	1102	2	**785.75**

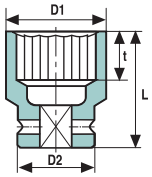
16DH 1”

Cap cheie tubulara de impact 1" 12 laturi, scurt

1” 25 mm

• *patrat de antrenare 1” DIN 3121 - forma H 25*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1612M19DH	19	36	54	55	9.5	600	**190.47**
16M20DH	20	37	54	55	10	600	**190.47**
16M21DH	21	38	54	55	11	600	**190.47**
16M22DH	22	40	54	55	11	600	**190.47**
16M23DH	23	41	54	55	13	600	**190.47**
16M24DH	24	42	54	55	13	600	**190.47**
16M25DH	25	43	54	55	13	600	**190.47**
16M26DH	26	45	54	55	13	600	**198.30**
1617M27DH	27	46	54	55	13	600	**198.30**
16M28DH	28	47	54	55	14	600	**198.30**
16M29DH	29	48	54	57	16.5	630	**198.30**
1619M30DH	30	50	54	57	16.5	630	**198.30**
16M31DH	31	51	54	57	17	630	**198.30**
16M32DH	32	51	54	57	17	630	**198.30**
16M33DH	33	54	54	57	17	630	**198.30**
16M34DH	34	54	54	60	19	650	**220.96**
1622M35DH	35	54	54	60	19	650	**220.96**
16M36DH	36	54	54	60	19	650	**220.96**
16M37DH	37	54	54	60	19	650	**227.18**
1624M38DH	38	60	54	64	22	760	**227.18**
16M39DH	39	60	54	64	22	760	**261.45**
16M40DH	40	63	63	64	22	800	**261.45**
1626M41DH	41	63	54	64	22	800	**261.45**
16M42DH	42	63	54	64	22	800	**284.38**
1627M43DH	43	67	54	69	25	950	**284.38**
16M44DH	44	67	54	69	25	950	**284.38**
16M45DH	45	70	54	69	25.5	1000	**299.58**
1629M46DH	46	70	54	69	25.5	1000	**299.58**
16M47DH	47	70	54	69	25.5	1000	**319.12**
16M48DH	48	73	54	72	27	1080	**343.37**
1631M49DH	49	73	54	72	27	1080	**343.37**
16M50DH	50	73	54	72	27	1080	**367.54**
1632M51DH	51	73	54	72	27	1080	**367.54**
16M52DH	52	78	54	72	27	1200	**418.31**
1634M54DH	54	82	54	80	30	1400	**443.42**
16M55DH	55	82	54	80	30	1400	**443.42**
16M56DH	56	82	54	80	32	1400	**479.48**
1636M57DH	57	82	54	80	33	1400	**479.48**
16M58DH	58	86	54	80	33	1500	**484.10**
1637M59DH	59	86	54	82	33	1500	**484.10**
16M60DH	60	86	54	82	35	1500	**579.05**
16M61DH	61	88	54	85	35	1800	**579.05**
1639M62DH	62	92	54	85	35	1800	**648.14**
1641M65DH	65	92	54	85	35	1800	**743.00**
1642M67DH	67	92	54	88	38	1800	**784.15**
1644M70DH	70	96	54	88	38	2700	**835.50**
1646M73DH	73	100	86	95	41	3200	**967.16**
1647M75DH	75	100	86	95	41	3200	**1069.95**
1648M76DH	76	105	86	97	44	3200	**1069.95**
16M77DH	77	105	86	97	44	3500	**1143.29**
16M80DH	80	105	86	97	44	3500	**1392.93**
16M85DH	85	115	86	100	47	4400	**1469.10**

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1654M86DH	86	115	86	104	49	5200	**1469.10**
16M90DH	90	127	86	104	49	5200	**1494.30**
1660M95DH	95	135	86	106	49	5200	**1718.66**
1663M100DH	100	135	86	112	54	7700	**1891.00**
1666M105DH	105	145	127	112	54	8200	**2090.25**
1669M110DH	110	150	127	122	62	9060	**2454.77**
16M115DH	115	155	127	122	67	9060	**2821.55**
1612M19DH inch	3/4"	36	54	55	9.5	600	**190.47**
1613DH	13/16"	38	54	55	11	600	**190.47**
1614DH	7/8"	40	54	55	13	600	**190.47**
1615DH	15/16"	41	54	55	13	600	**190.47**
1616DH	1"	43	54	55	13	600	**198.30**
1617M27DH inch	1 1/16"	46	54	55	13	600	**198.30**
1618DH	1 1/8"	48	54	57	16.5	630	**198.30**
1619M30DH inch	1 3/16"	50	54	57	16.5	630	**198.30**
1620DH	1 1/4"	51	54	57	17	630	**198.30**
1621DH	1 5/16"	54	54	60	19	650	**198.30**
1622M35DH inch	1 3/8"	54	54	60	19	650	**220.96**
1623DH	1 7/16"	54	54	60	19	650	**220.96**
1624M38DH inch	1 1/2"	60	54	64	22	760	**227.18**
1625DH	1 9/16"	60	54	64	22	760	**261.45**
1626M41DH inch	1 5/8"	63	54	64	22	800	**261.45**
1627M43DH inch	1 11/16"	67	54	69	25	950	**284.38**
1628DH	1 3/4"	70	54	69	25.5	1000	**293.07**
1629M46DH inch	1 13/16"	70	54	69	25.5	1000	**299.58**
1630DH	1 7/8"	70	54	72	27	1000	**319.12**
1631M49DH inch	1 15/16"	73	54	72	27	1080	**343.37**
1632M51DH inch	2"	73	54	72	27	1080	**367.54**
1633DH	2 1/16"	78	54	76	30	1240	**418.31**
1634M54DH inch	2 1/8"	82	54	76	30	1400	**443.42**
1635DH	2 3/16"	82	54	80	32	1400	**467.58**
1636M57DH inch	2 1/4"	82	54	80	33	1400	**479.48**
1637M59DH inch	2 5/16"	86	54	82	33	1500	**484.10**
1638DH	2 3/8"	86	54	85	35	1500	**579.05**
1639M62DH inch	2 7/16"	92	54	85	35	1800	**648.14**
1640DH	2 1/2"	92	54	85	35	1800	**697.69**
1641M65DH inch	2 9/16"	92	54	85	35	1800	**743.00**
1642M67DH inch	2 5/8"	92	54	88	38	1800	**784.15**
1643DH	2 11/16"	96	54	88	38	1800	**835.50**
1644M70DH inch	2 3/4"	96	54	88	38	1800	**835.50**
1645DH	2 13/16"	100	86	92	40	2700	**835.50**
1646M73DH inch	2 7/8"	100	86	92	41	2700	**967.16**
1647M75DH inch	2 15/16"	100	86	92	41	2700	**1069.95**
1648M76DH inch	3"	105	86	97	44	3200	**1069.95**
1649DH	3 1/16"	105	86	97	44	3200	**1143.29**
1650DH	3 1/8"	105	86	97	44	3200	**1143.29**
1651DH	3 3/16"	109	86	100	47	3200	**1389.44**
1652DH	3 1/4"	109	86	100	47	3200	**1469.10**
1653DH	3 5/16"	109	86	100	47	3200	**1469.10**
1654M86DH inch	3 3/8"	115	86	104	49	3500	**1469.10**
1655DH	3 7/16"	121	86	104	49	4120	**1469.10**
1656DH	3 1/2"	121	86	104	49	4120	**1469.10**
1657DH	3 9/16"	127	86	104	49	4400	**1718.66**
1658DH	3 5/8"	130	86	104	49	4700	**1718.66**
1659DH	3 11/16"	130	86	104	49	4700	**1718.66**
1660M95DH inch	3 3/4"	135	86	106	49	5200	**1718.66**
1661DH	3 13/16"	135	86	112	54	5200	**1891.00**
1662DH	3 7/8"	135	86	112	54	5200	**1891.00**
1663M100DH inch	3 15/16"	135	86	112	54	5200	**1891.00**
1664DH	4"	140	127	112	54	5500	**2090.25**
1665DH	4 1/16"	140	127	112	54	5500	**2090.25**
1666M105DH inch	4 1/8"	145	127	112	54	7700	**2090.25**
1667DH	4 3/16"	145	127	122	62	8100	**2454.77**
1668DH	4 1/4"	145	127	122	62	8100	**2454.77**
1669M110DH inch	4 5/16"	150	127	122	62	8200	**2454.77**
1670DH	4 3/8"	150	127	122	62	8200	**2821.45**
1671DH	4 7/16"	155	127	122	62	9060	**2821.45**
1672DH	4 1/2"	155	127	122	62	9060	**2821.45**

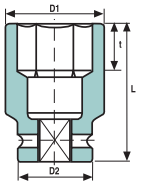
16LT 1”

Cap cheie tubulara de impact 1" 6 laturi, cu pereti subtiri, lung

1” 25 mm

- *patrat de antrenare 1” DIN 3121 - forma H 25*
- *hexagon interior conform DIN 475/2*





OZAT 2000 LTD.

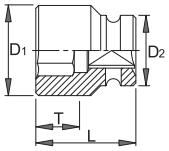
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
16M22LT	22	38	54	100	10	780	**302.13**
16M23LT	23	38	54	100	13	780	**302.13**
16M24LT	24	38	54	100	13	780	**337.99**
16M25LT	25	41	54	100	13	800	**337.99**
16M26LT	26	44	54	100	13	800	**337.99**
1617M27LT	27	44	54	100	13	800	**337.99**
16M28LT	28	44	54	100	14	800	**337.99**
16M29LT	29	44	54	100	16.5	800	**337.99**
1619M30LT	30	49	54	100	16.5	800	**337.99**
16M31LT	31	49	54	100	17	800	**348.00**
16M32LT	32	49	54	100	17	800	**348.00**
16M33LT	33	52	54	100	17	800	**348.00**
16M34LT	34	52	54	100	19	800	**348.00**
1622M35LT	35	52	54	100	19	800	**348.00**
16M36LT	36	53.5	54	100	19	950	**348.00**
16M37LT	37	53.5	54	100	19	1100	**391.04**
1624M38LT	38	57	54	100	22	1100	**391.04**
16M39LT	39	57	54	100	22	1100	**459.09**
16M40LT	40	60	54	100	22	1200	**459.09**
1626M41LT	41	60	54	100	22	1200	**459.09**
16M42LT	42	60	54	100	22	1200	**467.21**
1627M43LT	43	63	54	100	25	1300	**467.21**
16M44LT	44	63	54	100	25	1300	**510.25**
16M45LT	45	67	54	100	25.5	1500	**540.17**
1629M46LT	46	67	54	100	25.5	1500	**540.17**
1614LT	7/8"	38	54	100	10	780	**302.13**
1615LT	15/16"	38	54	100	13	780	**302.13**
1616LT	1"	41	54	100	13	800	**337.99**
1617M27LT inch	1.1/16"	44	54	100	13	800	**337.99**
1618LT	1.1/8"	44	54	100	16.5	800	**337.99**
1619M30LT inch	1.3/16"	49	54	100	16.5	800	**337.99**
1620LT	1.1/4"	49	54	100	17	800	**348.00**
1621LT	1.5/16"	52	54	100	19	800	**348.00**
1622M35LT inch	1.3/8"	52	54	100	19	800	**348.00**
1623LT	1.7/16"	53.5	54	100	19	950	**348.00**
1624M38LT inch	1.1/2"	57	54	100	22	1100	**391.04**
1625LT	1.9/16"	57	54	100	22	1100	**459.09**
1626M41LT inch	1.5/8"	60	54	100	22	1200	**459.09**
1627M43LT inch	1.11/16"	63	54	100	25	1300	**467.21**
1628LT	1.3/4"	67	54	100	25.5	1500	**510.25**
1629M46LT inch	1.13/16"	67	54	100	25.5	1500	**540.17**

750 L

Capete chei tubulare lungi de impact 1"

- *material: crom molibden*
- *actionare: patrat 1”*
- *conform DIN 3121 - H 25*
- *deschidere: hexagon DIN / ISO 691*





ASW wehador

		D2	D1	L	T				
1000075040	19	54	35,5	100	21,0	940	1C	1	**351.27**
1000075042	22	54	40,0	100	21,0	953	1C	1	**303.28**
1000075043	23	54	41,0	100	21,0	932	1C	1	**303.28**
1000075044	24	54	42,0	100	21,0	985	1C	1	**303.28**
1000075045	27	54	46,0	100	23,0	985	1C	1	**303.28**
1000075047	30	54	50,0	100	50,0	1056	1C	1	**303.28**
1000075048	32	54	52,0	100	50,0	1065	1C	1	**303.28**
1000075049	33	54	53,0	100	50,0	1106	1C	1	**303.28**
1000075050	34	54	55,0	100	50,0	1117	1C	1	**303.28**
1000075051	36	54	57,0	100	64,0	1096	1C	1	**326.23**
1000075052	38	54	59,5	100	64,0	1204	1C	1	**377.05**
1000075053	39	54	60,0	100	64,0	1240	1C	1	**396.72**
1000075054	41	54	64,0	100	64,0	1273	1C	1	**418.03**
1000075055	46	54	69,5	100	62,0	1444	1C	1	**490.16**
1000075056	50	54	75,0	100	62,0	1632	1C	1	**590.16**
1000075057	55	54	81,0	100	60,0	1699	1C	1	**637.70**
1000075058	60	54	87,0	105	77,0	2747	1C	1	**801.64**
1000075059	65	54	93,0	125	80,0	3244	1C	1	**998.36**
1000075060	70	54	99,0	125	80,0	3623	1C	1	**1204.92**
1000075061	75	86	104,0	135	87,0	3680	1C	1	**1855.71**
1000075062	80	86	109,0	135	87,0	5592	1C	1	**2210.06**

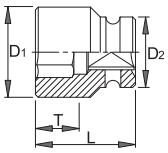


750 VK

Capete chei tubulare lungi de impact cu 4 laturi 1" profil dreptunghiular

- *material: crom molibden*
- *actionare: patrat 1"*
- *conform DIN 3121 - H 25*
- *deschidere: patru laturi*





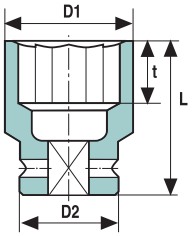
		D2	D1	L	T				
1000075090	21x28	54	53,0	108	32,0	580	1C	1	687.89

16DS 1"

Cap cheie tubulara de impact 1" 8 laturi, scurt

- *patrat de antrenare 1" DIN 3121 - forma H 25*





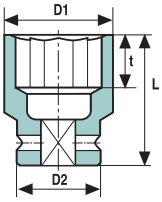
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1622M35DS	35	67	60	58	19	870	288.16
1624M38DS	38	70	60	62	22	1000	331.29
1626M41DS	41	78	60	62	22	1660	446.44
1627M43DS	43	82	60	67	25	1320	486.65
1629M46DS	46	86	60	67	25.5	1390	512.61
1632M51DS	51	92	60	70	27	1600	531.48
1634M54DS	54	100	60	75	30	1780	576.13
1636M57DS	57	100	60	78	32	1970	754.70
1620DS	1 1/4"	60	58	58	17	710	227.56
1621DS	1 5/16"	63	58	58	19	760	227.56
1622M35DS inch	1 3/8"	67	58	58	19	870	288.16
1623DS	1 7/16"	67	58	58	19	890	331.29
1624M38DS inch	1 1/2"	70	60	62	22	1000	331.29
1625DS	1 9/16"	78	60	62	22	1170	388.77
1626M41DS inch	1 5/8"	78	60	62	22	1660	446.44
1627M43DS inch	1 11/16"	82	60	67	25	1320	486.65
1628DS	1 3/4"	82	60	67	25.5	1300	486.65
1629M46DS inch	1 13/16"	86	60	67	25.5	1390	512.61
1630DS	1 7/8"	86	60	70	27	1450	512.61
1632M51DS inch	2"	92	60	70	27	1600	531.48
1634M54DS inch	2 1/8"	100	60	75	30	1780	576.13
1635DS	2 3/16"	100	60	78	32	2040	600.48
1636M57DS inch	2 1/4"	100	60	78	32	1970	754.70
1638DS	2 3/8"	105	60	82	35	2970	792.08
1640DS	2 1/2"	109	60	88	35	2570	820.96

16LDS 1"

Cap cheie tubulara de impact 1" 8 laturi, lung

- *patrat de antrenare 1" DIN 3121 - forma H 25*





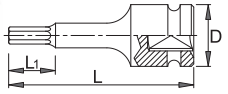
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
1622M35LDS	35	67	60	81	19	1300	377.45
1624M38LDS	38	70	60	87	22	1430	414.82
1626M41LDS	41	78	60	88	22	1670	483.72
1627M43LDS	43	82	60	88	25	1800	526.20
1629M46LDS	46	86	60	88	25.5	1900	586.79
1632M51LDS	51	92	60	88	27	2000	636.06
1634M54LDS	54	100	60	97	30	2350	786.23
1636M57LDS	57	100	60	100	32	2270	828.42
1620LDS	1 1/4"	60	54	81	17	1000	335.82
1621LDS	1 5/16"	63	54	81	19	1040	335.82
1622M35LDS inch	1 3/8"	67	60	81	19	1300	377.45
1623LDS	1 7/16"	67	60	81	19	1260	414.82
1624M38LDS inch	1 1/2"	70	60	87	22	1430	414.82
1625LDS	1 9/16"	78	60	88	22	1670	480.23
1626M41LDS inch	1 5/8"	78	60	88	22	1670	483.72
1627M43LDS inch	1 11/16"	82	60	88	25	1800	526.20
1628LDS	1 3/4"	82	60	88	25.5	1800	526.20
1629M46LDS inch	1 13/16"	86	60	88	25.5	1900	586.79
1630LDS	1 7/8"	86	60	88	27	1900	586.79
1632M51LDS inch	2"	92	60	88	27	2000	636.06
1634M54LDS inch	2 1/8"	100	60	97	30	2350	786.23
1635LDS	2 3/16"	100	60	97	32	2350	800.67
1636M57LDS inch	2 1/4"	100	60	100	32	2270	828.42
1638LDS	2 3/8"	105	60	100	35	2350	893.54
1640LDS	2 1/2"	109	60	100	35	2640	1033.52

755

Capete chei tubulare de impact 1" cu profil hexagon

- *material: crom molibden*
- *actionare: patrat 3/4"*
- *conform DIN 3121 - H 20*
- *deschidere: hexagon DIN / ISO 2936*



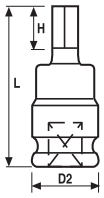


		D2	L	T				
1000075506	HX 14	54	75	12,0	580	1C	1	556.01
1000075507	HX 17	54	75	15,0	636	1C	1	556.01
1000075508	HX 19	54	75	17,0	640	1C	1	556.01
1000075509	HX 22	54	75	20,0	649	1C	1	401.64
1000075510	HX 24	54	75	20,0	678	1C	1	401.64
1000075511	HX 27	54	75	20,0	696	1C	1	401.64
1000075512	HX 30	54	75	20,0	807	1C	1	401.64
1000075513	HX 32	54	75	20,0	762	1C	1	401.64
1000075514	HX 36	54	75	20,0	828	1C	1	401.64

Cap cheie tubulara de impact cu profil hexagon exterior 1", 1 piesa

• *patrat de antrenare 1" DIN 3121 - forma H 25*
• *hexagon exterior DIN/ISO 2963*





OZAT 2000 LTD.

	Dimensiune MM/inch	D2 mm	L mm	t min mm	Greutate gr	
16M10H	10	54	71	10	680	247.72
16M11H	11	54	71	11	680	247.72
16M12H	12	54	71	12	680	247.72
16M13H	13	54	71	13	680	247.72
16M14H	14	54	71	14	680	264.39
16M15H	15	54	71	15	680	264.39
16M16H	16	54	71	16	620	281.07
16M17H	17	54	71	17	680	281.07
16M18H	18	54	71	18	700	281.07
16M19H	19	54	71	19	700	281.07
16M20H	20	54	75	20	730	281.07
16M21H	21	54	75	21	730	313.97
16M22H	22	54	75	22	730	313.97
16M23H	23	54	75	23	740	313.97
16M24H	24	54	75	24	740	313.97
16M25H	25	54	75	25	790	347.24
16M26H	26	54	75	26	790	347.24
16M27H	27	54	82	27	790	347.24
16M28H	28	54	82	28	415	347.24
16M29H	29	54	82	29	415	363.54
16M30H	30	54	82	30	415	363.54
16M31H	31	54	82	31	920	363.54
16M32H	32	54	82	32	920	363.54
1608H	1/2"	54	71	13	645	247.72
1609H	9/16"	54	71	14	670	247.72
1610H	5/8"	54	71	16	670	247.72
1612H	3/4"	54	71	19	670	264.39
1613H	13/16"	54	75	21	700	264.39
1614H	7/8"	54	75	22	700	281.07
1616H	1"	54	75	25	750	281.07
1617H	1 1/16"	54	82	27	780	313.97
1618H	1 1/8"	54	82	29	810	313.97
1619H	1 3/16"	54	82	30	830	347.24
1620H	1 1/4"	54	82	32	930	363.54

755 H

Adaptor pentru biti interschimbabili 1"

• *material: crom molibden*
• *actionare: patrat 1"*
• *conform DIN 3121 - H 25*
• *deschidere: hexagon 22 mm*



ASW wekador

		D2	D1	L				
1000075550	22	54	44	70	788	1C	1	349.34

755 E

Bit de impact cu profil hexagon 22 mm

• *material: crom molibden*
• *deschidere: 22 mm hexagon DIN/ISO 2936*



ASW wekador

		L	T				
1000075556	HX 14	50		118	1C	1	118.07
1000075557	HX 17	50		131	1C	1	118.07
1000075558	HX 19	50		142	1C	1	118.07
1000075559	HX 22	50		161	1C	1	118.07
1000075560	HX 24	50		174	1C	1	147.54
1000075561	HX 27	50		201	1C	1	164.30
1000075562	HX 30	50		226	1C	1	176.18
1000075563	HX 32	50		244	1C	1	182.15
1000075564	HX 36	50		284	1C	1	195.76

Bit pentru cap cheie tubulara impact 1", profil hexagon exterior

• *hexagon exterior DIN/ISO 2963*



OZAT 2000 LTD.

	Dimensiune mm / inch	Hexagon prindere mm	
HM10	10	16	54.15
HM11	11	16	54.15
HM12	12	16	56.21
HM13	13	16	56.21
HM14	14	16	56.21
HM15	15	16	64.55
HM16	16	16	89.11
HM17	17	22	89.11
HM18	18	22	89.11
HM19	19	22	89.11
HM20	20	22	89.11
HM21	21	22	89.11
HM22	22	22	89.11
HM23	23	32	145.77
HM24	24	32	145.77
HM25	25	32	145.77
HM26	26	32	165.76
HM27	27	32	165.76
HM28	28	32	194.09
HM29	29	32	194.09
HM30	30	32	194.09
HM31	31	32	206.11
HM32	32	32	206.11
H08	1/2"	16	60.86
H09	9/16"	16	60.86
H10	5/8"	16	70.82
H12	3/4"	22	80.78
H13	13/16"	22	80.78
H14	7/8"	22	80.78
H16	1"	22	91.18
H17	1 1/16"	32	122.46
H18	1 1/8"	32	149.09
H19	1 3/16	32	149.09
H20	1 1/4"	32	149.09

16H 1”

Cap cheie tubulara impact 1" suport pentru bit profil hexagon exterior

1” 25 mm

- *patrat de antrenare 1” DIN 3121 - forma H 25*



OZAT 2000 LTD.

	Dimensiune	HEX	
	mm / inch	mm	
16H16	9-16 mm si 3/8"-5/8"	16 mm - 6 point	189.07
16H22	17-22 mm si 3/4"-7/8"	22 mm - 6 point	216.07
16H32	23-32 mm si 1"-1 1/4"	32 mm - 6 point	232.38

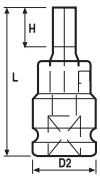
16MV 1”

Cap cheie tubulara de impact 1" cu profil hexagon exterior, 2 piese, standard

1” 25 mm

- *patrat de antrenare 1” DIN 3121 - forma H 25*
- *hexagon interior conform DIN 475/2*
- *realizat din 2 piese*





OZAT 2000 LTD.

	Dimensiune	D2	L	H	Greutate	
	MM/inch	mm	mm	mm	gr	
16M10V	10	54	16	16	800	214.82
16M11V	11	54	21	21	800	214.82
16M12V	12	54	21	21	800	214.82
16M13V	13	54	21	21	800	214.82
16M14V	14	54	21	21	800	214.82
16M15V	15	54	18	18	800	237.32
16M16V	16	54	18	18	800	237.32
16M17V	17	54	26	26	800	237.32
16M18V	18	54	26	26	900	237.32
16M19V	19	54	26	26	900	254.80
16M20V	20	54	26	26	900	254.80
16M21V	21	54	26	26	900	254.80
16M22V	22	54	26	26	900	254.80
16M23V	23	54	26	26	900	330.64
16M24V	24	54	26	26	900	330.64
16M25V	25	54	32	32	1000	347.24
16M26V	26	54	32	32	1000	347.24
16M27V	27	54	32	32	1000	347.24
16M28V	28	54	36	36	1000	347.24
16M29V	29	54	36	36	1000	353.95
16M30V	30	54	38	38	1000	353.95
16M31V	31	54	38	38	1000	353.95
16M32V	32	54	38	38	1000	353.95
1608V	1/2"	54	19	19	800	241.08
1609V	9/16"	54	21	21	800	241.08
1610V	5/8"	54	24	24	800	241.08
1612V	3/4"	54	26	26	800	277.75
1613V	13/16"	54	26	26	900	277.75
1614V	7/8"	54	26	26	900	277.75
1616V	1"	54	30	30	1000	330.64
1617V	1 1/16"	54	32	32	1000	330.64
1618V	1 1/8"	54	32	32	1000	380.21
1619V	1 3/16"	54	36	36	1000	380.21
1620V	1 1/4"	54	38	38	1000	380.21

16HL4 1”

Cap cheie tubulara de impact 1" cu profil hexagon exterior, o piesa, lung 100 mm

1” 25 mm

- *patrat de antrenare 1/2” DIN 3121 - H 25*
- *profil hexagon exterior DIN/ISO 2963*



OZAT 2000 LTD.

	Dimensiune	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	gr	
16M10HL4	10	54	100	10	500	322.30
16M12HL4	12	54	100	12	500	322.30
16M14HL4	14	54	100	14	500	330.64
16M17HL4	17	54	100	17	500	347.24
16M19HL4	19	54	100	19	500	363.54
16M22HL4	22	54	100	22	520	363.54
16M24HL4	24	54	100	24	520	380.21
16M27HL4	27	54	100	27	520	380.21
16M30HL4	30	54	100	30	520	413.04
16M32HL4	32	54	100	32	520	413.04
1608HL4	1/2"	54	100	13	500	297.30
1609HL4	9/16"	54	100	14	500	297.30
1610HL4	5/8"	54	100	16	500	330.64
1612HL4	3/4"	54	100	19	500	330.64
1613HL4	13/16"	54	100	21	500	347.24
1614HL4	7/8"	54	100	22	520	380.21
1616HL4	1"	54	100	25	520	380.21
1617HL4	1 1/16"	54	100	27	520	413.04
1618HL4	1 1/8"	54	100	29	520	413.04
1619HL4	1 3/16"	54	100	30	520	413.04
1620HL4	1 1/4"	54	100	32	520	413.04

16HL6 1”

Cap cheie tubulara de impact 1" cu profil hexagon exterior, o piesa, lung 150 mm

1” 25 mm

- *patrat de antrenare 1/2” DIN 3121 - H 25*
- *profil hexagon exterior DIN/ISO 2963*



OZAT 2000 LTD.

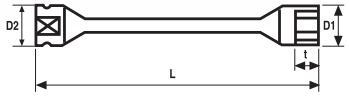
	Dimensiune	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	gr	
16M10HL6	10	54	150	10	530	478.84
16M12HL6	12	54	150	12	530	478.84
16M14HL6	14	54	150	14	530	478.84
16M17HL6	17	54	150	17	530	478.84
16M19HL6	19	54	150	19	530	496.25
16M22HL6	22	54	150	22	560	496.25
16M24HL6	24	54	150	24	560	496.25
16M27HL6	27	54	150	27	560	496.25
16M30HL6	30	54	150	30	560	496.25
16M32HL6	32	54	150	32	560	496.25
1608HL6	1/2"	54	150	13	530	496.25
1609HL6	9/16"	54	150	14	530	496.25
1610HL6	5/8"	54	150	16	530	496.25
1612HL6	3/4"	54	150	19	530	496.25
1613HL6	13/16"	54	150	21	530	496.25
1614HL6	7/8"	54	150	22	560	496.25
1616HL6	1"	54	150	25	560	496.25
1617HL6	1 1/16"	54	150	27	560	496.25
1618HL6	1 1/8"	54	150	29	560	496.25
1619HL6	1 3/16"	54	150	30	560	496.25
1620HL6	1 1/4"	54	150	32	560	496.25

16Q 1”

Cap cheie tubulara de torsiune 1" 6 laturi

- *ideal atunci cand strangerea piulitelor la roti trebuie realizata la un cuplu prestabilit*
- *absoarbe cu ajutorul torsiunii toata puterea suplimentara generata de cheia de impact*
- *realizata din otel de calitate superioara*





OZAT 2000 LTD.

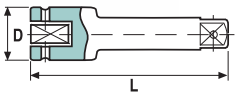
	Dimensiune MM/inch	D1 mm	D2 mm	L mm	t min mm	Torsiune Nm	Greutate gr	
16M24Q300	24	42	54	305	28	300	1100	1025.78
16M27Q350	27	46	54	305	28	350	1150	1025.78
16M27Q450	1 1/16"	46	54	305	28	450	1200	1025.78
16M30Q450	30	50	54	305	28	450	1250	1038.98
16M30Q550	1 3/16"	50	54	305	28	450	1300	1038.98
16M32Q500	32	51	54	305	28	500	1300	1117.33
16M32Q600	32	51	54	305	28	600	1350	1117.33
16M32Q700	32	51	54	305	28	700	1400	1117.33
16M33Q500	33	54	54	305	28	500	1400	1169.63
16M33Q600	33	54	54	305	28	600	1450	1169.63
16M33Q650	33	54	54	305	28	650	1500	1169.63
16M38Q500	38	60	54	305	28	500	1500	1261.18

E16 1”

Prelungitor de impact 1"

- *patrat de antrenare 1” DIN 3121 - forma H 25*





OZAT 2000 LTD.

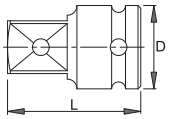
	Patrat interior	Patrat exterior	D mm	L mm	Greutate gr	
E1604	1"	1"	54	100	870	399.32
E1605	1"	1"	54	125	1150	424.84
E1607	1"	1"	54	175	1500	484.16
E1610	1"	1"	54	250	2000	577.62
E1613	1"	1"	54	330	2550	679.65

233.7/4

Adaptor de impact 1"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

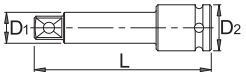
		D	L				
615217	1" - 3/4"	54	75	661	1C	1	164.43
617303	1" - 1.1/2"	54	90.5	1107	1C	1	284.59

233.4/4

Prelungitor de impact 1"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

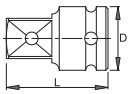
		L	D1	D2				
615214	1"	175	34	54	1505	1C	1	289.84
615215	1"	250	34	54	2019	1C	1	348.52

450

Adaptor de impact 1"

- *material: crom molibden*
- *actionare: patrat 1”*
- *conform DIN 3121 - H 25*
- *deschidere: patrat DIN 3121*





ASW wekador

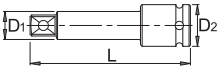
		E	A	D2	L				
1000004501	450-1	1”	1/2”	54	70	633	1C	1	388.82
1000004502	450-2	1”	3/4”	54	75	646	1C	1	265.57
1000004503	450-3	1”	1.1/2”	54	91	1106	1C	1	637.70

550

Prelungitor de impact 1"

- *material: crom molibden*
- *actionare: patrat 1”*
- *conform DIN 3121 - H 25*
- *deschidere: patrat DIN 3121*





ASW wekador

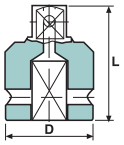
		E	A	D2	L				
1000005501	550-1	1”	1”	54	175	1509	1C	1	385.25
1000005502	550-2	1”	1”	54	250	1992	1C	1	717.36
1000005503	550-3	1”	1”	54	330	2550	1C	1	598.36

A16 1”

Adaptor de impact mama-tata 1"

- *patrat de antrenare 1” DIN 3121 - forma H 25*





OZAT 2000 LTD.

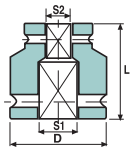
	Patrat interior	Patrat exterior	D mm	L mm	Greutate gr	
A1612	1"	3/4"	54	77	650	297.22
A1624	1"	1.1/2"	54	85	1000	518.24
A1695	1"	Spline No. 5	54	110	980	1630.84

AN16 1”

Adaptor de impact mama-mama 1"

• patrat de antrenare 1” DIN 3121 - forma H 25





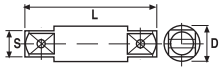
OZAT 2000 LTD.

	Patrat		D	L	Greutate	
	interior	interior	mm	mm	gr	
AN1612	1"	3/4"	54	63	680	**433.25**
AN1616	1"	1"	54	59	750	**382.28**
AN2416	1 1/2"	1"	86	83	2050	**1146.84**

Z16 1”

Adaptor de impact tata-tata 1"





OZAT 2000 LTD.

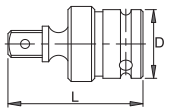
	Patrat		D	L	Greutate	
	exterior	exterior	mm	mm	gr	
Z1603	1"	1"	33	76	400	**127.48**
Z1604	1"	1"	33	101	560	**127.48**
Z1605	1"	1"	33	127	730	**203.90**
Z1606	1"	1"	33	152	870	**560.66**
Z1607	1"	1"	33	177	980	**560.66**
Z1610	1"	1"	33	254	1380	**662.61**
Z1613	1"	1"	33	330	2100	**764.63**
Z1615	1"	1"	33	381	2460	**781.45**
Z1616	1"	1"	33	406	2580	**781.45**
Z1617	1"	1"	33	432	2750	**781.45**

233.6/4

Intermediar cardanic de impact 1"

- *material:crom molibden*
- *acoperire prin brunare dupa standardul DIN 12476*
- *forjata, calire si revenire totala*





UNIOR

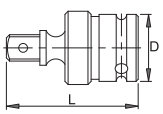
		D	L				
615216	1"	54	110	1051	1C	1	**718.20**

450 KG

Intermediar cardanic de impact 1"

- *material: crom molibden*
- *actionare: patrat 1”*
- *conform DIN 3121 - H 25*
- *deschidere: patrat, DIN 3121*





ASW wekador

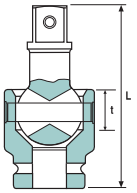
		E	A	D2	L				
1000004504	**450 KG-4**	1”	1”	54	110	1053	1C	1	**1153.63**

U16 1”

Intermediar cardanic de impact 1"

• patrat de antrenare 1” DIN 3121 - forma H 25





OZAT 2000 LTD.

	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
U1616	1"	1"	67	136.5	1600	**764.41**

750 SWH

Prelungitor cu eliberare rapida 1”

- *actionare: patrat 1”, DIN 3121 Forma H 25*
- *deschidere: patrat, Forma A cu bila*



ASW wekador

		E	A	L	D2				
1000075950	**750 SWH**	1"	1"	96	54	927	1C	1	**1316.80**

233.8/4

Inel de retinere cu stift 1"

- *materialul pinului: crom molibden*
- *materialul inelului: cauciuc*
- *finisaj de suprafata al stiftului: fosfatat conform DIN standard*



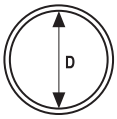
UNIOR

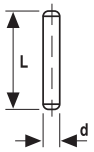
		D	d	L	d1				
615254	22 - 70	46	3.5	43	5	21	1E	1	**48.03**
615255	75 - 80	75	5.7	75	6	38	1E	1	**48.03**

PR16 1”

Accesorii de impact 1"







OZAT 2000 LTD.

	Patrat	Tip	Q	d	L	D	
				mm	mm	mm	
P16127	1"	pin	Ø 127	5	45	-	**5.02**
P1654	1"	pin	Ø 54	5	77	-	**5.02**
P1686	1"	pin	Ø 86	5	118	-	**5.02**
R16127	1"	inel	Ø 127	-	-	45	**8.48**
R1654	1"	inel	Ø 54	-	-	77	**8.48**
R1686	1"	inel	Ø 86	-	-	118	**8.48**

750 DF1

Clema blocare



	mm				
1000199925	≤ SW 70		1C		72.81

750 GR

Inel retentie



	D2	mm				
1000075900	54	≤ SW 70		1C		16.89
1000075901	86	> SW 70		1C		19.65

750 ST

Pin blocare



	D2	mm				
1000075910	54	≤ SW 70		1C		9.12
1000075911	86	> SW 70		1C		10.85

NOU

Prelungitor de impact 1"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*



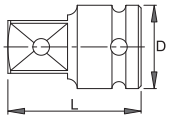
	■	L	D1	D2				
60967	1"	175	34	54	1505	1C	1	293.89
60968	1"	250	34	54	2019	1C	1	352.07
60969	1"	330	34	54	2920	1C	1	401.35

NOU

Adaptor de impact 1"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





		D	L				
60997	1" - 3/4"	54	75	661	1C	1	154.17



06021 NOU

Trusa capete tubulare de IMPACT 1" 24-38 mm / 7 piese

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul ISO 9717*
- *in conformitate cu standardul ISO 2725-2*



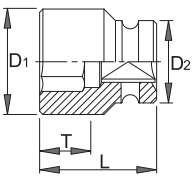
	mm		
06021	24-38 mm / 7 piese 24, 27, 29, 32, 35, 36, 38	3350	1308,20

234/4 6p

Capete de IMPACT 1.1/2"

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*
- *in conformitate cu standardul ISO 2725-2(numai dimensiunile in mm)*





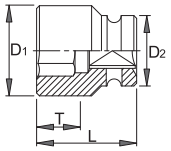
		D1	D2	L	T				
616790	80	116	86	110	54	5224	1C	1	1517.54
616791	85	125	86	118	52	5688	1C	1	1609.18
616793	90	130	86	118	52	6395	1C	1	1734.75
616794	95	138	86	118	52	6995	1C	1	1916.72
616795	100	140	86	125	59	7995	1C	1	2237.70
616796	105	150	95	125	59	8995	1C	1	2425.57

760

Capete chei tubulare de impact 1.1/2"

- *material: crom molibden*
- *actionare: patrat 1.1/2"*
- *conform DIN 3121 - H 40*
- *deschidere: hexagon DIN / ISO 691*





ASW

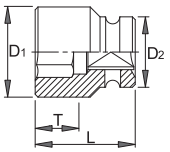
		D2	D1	L	T				
1000076000	36	86	64,0	78	23,0	2141	1C	1	1093.44
1000076001	41	86	70,0	80	26,0	2350	1C	1	1093.44
1000076002	42	86	71,0	80	26,0	2320	1C	1	1093.44
1000076003	46	86	76,0	84	27,0	2457	1C	1	1093.44
1000076004	50	86	81,0	87	29,0	2463	1C	1	1139.34
1000076006	55	86	86,0	90	36,0	2546	1C	1	1286.89
1000076007	60	86	93,0	92	38,0	2650	1C	1	1432.79
1000076008	65	86	97,0	95	40,0	3481	1C	1	1616.39
1000076009	70	86	105,0	100	43,0	3939	1C	1	1721.31
1000076010	75	86	110,0	103	45,0	4361	1C	1	1852.46
1000076011	80	86	116,0	110	50,0	5155	1C	1	2213.11
1000076012	85	86	125,0	118	55,0	4550	1C	1	2607.43
1000076013	90	86	130,0	118	55,0	4890	1C	1	2745.21
1000076014	95	95	137,0	118	55,0	6963	1C	1	3453.65
1000076015	100	95	140,0	125	58,0	10730	1C	1	3647.42
1000076016	105	95	150,0	125	58,0	11430	1C	1	3986.93
1000076017	110	95	156,0	125	58,0	8120	1C	1	5170.55
1000076018	115	95	160,0	135	65,0	10232	1C	1	5501.14
1000076019	120	95	168,0	135	65,0	8690	1C	1	7133.55
1000076020	125	95	175,0	135	65,0	9710	1C	1	7576.31

760 L

Capete chei tubulare lungi de impact 1.1/2"

- *material: crom molibden*
- *actionare: patrat 1.1/2"*
- *conform DIN 3121 - H 40*
- *deschidere: hexagon DIN / ISO 691*





ASW wakador

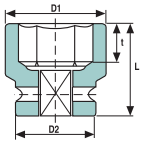
		D2	D1	L	T				
1000076030	41	86	70,0	115	30,0	3080	1C	1	1918.57
1000076032	46	86	78,0	115	34,0	3064	1C	1	2391.89
1000076033	50	86	81,0	135	36,0	3876	1C	1	2609.54
1000076034	55	86	86,0	140	39,0	4024	1C	1	2669.51
1000076035	60	86	94,0	150	41,0	4795	1C	1	3029.51
1000076036	65	86	100,0	150	45,0	5518	1C	1	3161.45
1000076037	70	86	105,0	160	47,0	5830	1C	1	3746.93
1000076038	75	86	110,0	170	51,0	7233	1C	1	4285.04
1000076039	80	86	116,0	170	51,0	7810	1C	1	4567.41
1000076040	85	86	125,0	170	56,0	8848	1C	1	4892.16

24 1.1/2"

Cap cheie tubulara de impact 1.1/2" 6 laturi, scurt

- *patrat de antrenare 1.1/2" DIN 3121 - forma H 40*
- *hexagon interior conform DIN 475/2*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
24M32	32	60	86	75	17	1800	528.49
24M33	33	60	86	75	17	1800	528.49
24M34	34	60	86	75	19	1800	528.49
2422M35	35	60	86	75	19	1800	528.49
24M36	36	64	86	80	19	2200	568.25
24M37	37	64	86	80	19	2200	568.25
2424M38	38	64	86	80	22	2200	568.25
24M39	39	70	86	80	22	2200	568.25
24M40	40	70	86	80	22	2200	568.25
2426M41	41	70	86	80	22	2200	568.25
24M42	42	70	86	80	22	2200	568.25
2427M43	43	75	86	80	25	2200	568.25
24M44	44	75	86	80	25	2200	568.25
24M45	45	75	86	80	25.5	2200	568.25
2429M46	46	75	86	80	25.5	2200	568.25
24M47	47	75	86	80	25.5	2200	568.25
24M48	48	80	86	82	27	2300	580.28
2431M49	49	80	86	82	27	2300	580.28
24M50	50	80	86	82	27	2300	580.28
2432M51	51	80	86	82	27	2300	580.28
24M52	52	80	86	82	27	2300	580.28
2434M54	54	86	86	89	30	2500	580.28
24M55	55	86	86	89	30	2500	580.28
24M56	56	86	86	92	32	2500	647.56
2436M57	57	86	86	92	32.5	2500	647.56
24M58	58	92	86	92	32.5	2800	647.56
2437M59	59	92	86	92	33	2800	647.56
24M60	60	92	86	92	33	2800	713.51
24M61	61	96	86	96	35	3200	713.51
2439M62	62	96	86	96	35	3200	713.51
2441M65	65	100	86	96	35	3350	794.80
2442M67	67	100	86	101	38	3350	825.79
2444M70	70	105	86	101	38	3600	1070.19
2446M73	73	109	86	105	41	3900	1249.52
2447M75	75	109	86	105	41	3900	1294.89
2448M76	76	115	86	110	44	4500	1383.27
24M77	77	115	86	110	44	4500	1516.94
24M80	80	115	86	110	44	4500	1516.94
24M85	85	121	86	116	47	5100	1605.25
2454M86	86	127	86	116	49	5500	1696.43
24M90	90	130	86	118	49	5600	1750.72
2460M95	95	135	127	118	49	7900	2675.36
2463M100	100	140	127	125	54	8500	2996.48
2466M105	105	150	127	125	54	9500	3397.94
2469M110	110	155	127	137	62	10400	3692.14
24M115	115	160	127	137	67	11500	3692.14
24M120	120	165	127	145	67	12000	4066.75
24M125	125	170	127	145	67	12200	4110.79

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
2482M130	130	180	127	158	76	14800	**4331.66**
2421	1 5/16"	60	86	75	19	1800	**528.49**
2422M35 inch	1 3/8"	60	86	75	19	1800	**528.49**
2423	1 7/16"	64	86	80	19	2200	**568.25**
2424M38 inch	1 1/2"	64	86	80	22	2200	**568.25**
2425	1 9/16"	70	86	80	22	2200	**568.25**
2426M41 inch	1 5/8"	70	86	80	22	2200	**568.25**
2427M43 inch	1 11/16"	75	86	80	25	2200	**568.25**
2428	1 3/4"	75	86	80	25.5	2200	**568.25**
2429M46 inch	1 13/16"	75	86	80	25.5	2200	**568.25**
2430	1 7/8"	80	86	82	27	2300	**580.28**
2431M49 inch	1 15/16"	80	86	82	27	2300	**580.28**
2432M51 inch	2"	80	86	82	27	2300	**580.28**
2433	2 1/16"	86	86	89	30	2500	**580.28**
2434M54 inch	2 1/8"	86	86	89	30	2500	**580.28**
2435	2 3/16"	86	86	92	32	2500	**592.52**
2436M57 inch	2 1/4"	86	86	92	32.5	2500	**647.56**
2437M59 inch	2 5/16"	92	86	92	33	2800	**647.56**
2438	2 3/8"	92	86	96	35	2800	**713.51**
2439M62 inch	2 7/16"	96	86	96	35	3200	**713.51**
2440	2 1/2"	100	86	96	35	3350	**794.80**
2441M65 inch	2 9/16"	100	86	96	35	3350	**794.80**
2442M67 inch	2 5/8"	100	86	101	38	3350	**825.79**
2443	2 11/16"	105	86	101	38	3600	**909.81**
2444M70 inch	2 3/4"	105	86	101	38	3600	**1070.19**
2445	2 13/16"	109	86	105	40	3900	**1150.52**
2446M73 inch	2 7/8"	109	86	105	41	3900	**1249.52**
2447M75 inch	2 15/16"	109	86	105	41	3900	**1294.89**
2448M76 inch	3"	115	86	110	44	4500	**1383.27**
2449	3 1/16"	115	86	110	44	4500	**1428.79**
2450	3 1/8"	115	86	110	44	4500	**1516.94**
2451	3 3/16"	121	86	116	47	5100	**1516.94**
2452	3 1/4"	121	86	116	47	5100	**1562.53**
2453	3 5/16"	121	86	116	47	5100	**1605.25**
2454M86 inch	3 3/8"	127	86	116	49	5500	**1696.43**
2455	3 7/16"	127	86	118	49	5500	**1739.21**
2456	3 1/2"	130	86	118	49	5600	**1739.21**
2457	3 9/16"	130	86	118	49	5600	**1963.84**
2458	3 5/8"	135	127	118	49	7900	**2274.34**
2459	3 11/16"	135	127	118	49	7900	**2675.36**
2460M95 inch	3 3/4"	135	127	118	49	7900	**2675.36**
2461	3 13/16"	140	127	125	54	8500	**2729.07**
2462	3 7/8"	140	127	125	54	8500	**2862.74**
2463M100 inch	3 15/16"	140	127	125	54	8500	**2996.48**
2464	4"	145	127	125	54	9000	**2996.48**
2465	4 1/16"	145	127	125	54	9000	**3397.94**
2466M105 inch	4 1/8"	150	127	125	54	9500	**3397.94**
2467	4 3/16"	150	127	137	62	10200	**3397.94**
2468	4 1/4"	150	127	137	62	10200	**3397.94**
2469M110 inch	4 5/16"	155	127	137	62	10400	**3692.14**
2470	4 3/8"	155	127	137	62	10400	**3692.14**
2471	4 7/16"	155	127	137	62	10400	**3692.14**
2472	4 1/2"	160	127	137	62	11500	**3692.14**
2474	4 5/8"	165	127	143	67	12000	**4066.75**
2476	4 3/4"	165	127	145	67	12000	**4066.75**
2478	4 7/8"	170	127	145	67	12200	**4110.79**
2480	5"	180	127	150	72	14800	**4331.66**
2482M130 inch	5 1/8"	180	127	158	76	14800	**4331.66**
2483	5 3/16"	180	127	158	76	14800	**5520.61**
2486	5 3/8"	190	127	158	76	16700	**5945.39**

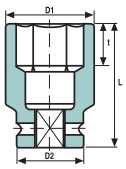
24L 1.1/2”

Cap cheie tubulara de impact 1.1/2" 6 laturi, lung

11/2" 40 mm

- *patrat de antrenare 1.1/2” DIN 3121 - forma H 40*
- *hexagon interior conform DIN 475/2*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
24M32L	32	60	86	140	17		**807.93**
24M33L	33	60	86	140	17		**807.93**
24M34L	34	60	86	140	19		**807.93**
2422M35L	35	60	86	140	19		**807.93**
24M36L	36	64	86	140	19		**807.93**
24M37L	37	64	86	140	19		**807.93**
2424M38L	38	64	86	140	22		**807.93**
24M39L	39	70	86	140	22		**807.93**
24M40L	40	70	86	140	22		**807.93**
2426M41L	41	70	86	140	22		**807.93**
24M42L	42	70	86	140	22		**848.21**
2427M43L	43	75	86	140	25		**848.21**
24M44L	44	75	86	140	25		**848.21**
24M45L	45	75	86	140	25.5		**848.21**
2429M46L	46	75	86	140	25.5		**848.21**
24M47L	47	75	86	140	25.5		**848.21**
24M48L	48	80	86	140	27		**936.59**
2431M49L	49	80	86	140	27		**936.59**
24M50L	50	80	86	140	27		**936.59**
2432M51L	51	80	86	140	27		**936.59**
24M52L	52	80	86	140	27		**936.59**
2434M54L	54	86	86	140	30		**1070.19**
24M55L	55	86	86	140	30		**1070.19**
24M56L	56	86	86	140	32		**1110.39**
2436M57L	57	86	86	140	32.5		**1110.39**
24M58L	58	92	86	140	32.5		**1163.88**
2437M59L	59	92	86	140	33		**1163.88**
24M60L	60	92	86	140	33		**1257.57**
24M61L	61	96	86	140	35		**1257.57**
2439M62L	62	96	86	140	35		**1257.57**
2441M65L	65	100	86	140	35		**1337.83**
2442M67L	67	100	86	140	38		**1391.24**
2444M70L	70	105	86	140	38		**1699.08**
2446M73L	73	109	86	140	41		**1872.89**
2447M75L	75	109	86	140	41		**1872.89**
2448M76L	76	115	86	140	44		**1926.44**
24M77L	77	115	86	140	44		**2006.63**
24M80L	80	115	86	140	44		**2006.63**
24M85L	85	121	86	140	47		**2300.90**
2454M86L	86	127	86	140	49		**2470.94**
24M90L	90	130	86	140	49		**2726.34**
2460M95L	95	135	127	150	49		**3287.07**
2463M100L	100	140	127	150	54		**3974.90**
2466M105L	105	150	127	150	54		**4382.56**
2469M110L	110	155	127	160	62		**4790.29**
24M115L	115	160	127	160	67		**4917.61**
24M120L	120	165	127	170	67		**4994.04**
24M125L	125	170	127	170	67		**5096.07**
2482M130L	130	180	127	185	76		**5274.37**

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
2421L	1 5/16"	60	86	140	19	4500	807.93
2422M35L inch	1 3/8"	60	86	140	19	4500	807.93
2423L	1 7/16"	64	86	140	19	4500	807.93
2424M38L inch	1 1/2"	64	86	140	22	4500	807.93
2425L	1 9/16"	70	86	140	22	4500	806.02
2426M41L inch	1 5/8"	70	86	140	22	4500	807.93
2427M43L inch	1 11/16"	75	86	140	25	4500	848.21
2428L	1 3/4"	75	86	140	25.5	4500	848.21
2429M46L inch	1 13/16"	75	86	140	25.5	4500	848.21
2430L	1 7/8"	80	86	140	27	4500	848.21
2431M49L inch	1 15/16"	80	86	140	27	4500	936.59
2432M51L inch	2"	80	86	140	27	4500	936.59
2433L	2 1/16"	86	86	140	30	4500	936.59
2434M54L inch	2 1/8"	86	86	140	30	4500	1070.19
2435L	2 3/16"	86	86	140	32	4500	1070.19
2436M57L inch	2 1/4"	86	86	140	32.5	4500	1110.39
2437M59L inch	2 5/16"	92	86	140	33	4600	1163.88
2438L	2 3/8"	92	86	140	35	4600	1257.57
2439M62L inch	2 7/16"	96	86	140	35	4800	1257.57
2440L	2 1/2"	100	86	140	35	4900	1297.62
2441M65L inch	2 9/16"	100	86	140	35	4900	1337.83
2442M67L inch	2 5/8"	100	86	140	38	4900	1391.24
2443L	2 11/16"	105	86	140	38	5000	1605.25
2444M70L inch	2 3/4"	105	86	140	38	5000	1699.08
2445L	2 13/16"	109	86	140	40	5600	1739.21
2446M73L inch	2 7/8"	109	86	140	41	5600	1872.89
2447M75L inch	2 15/16"	109	86	140	41	5600	1872.89
2448M76L inch	3"	115	86	140	44	5900	1926.44
2449L	3 1/16"	115	86	140	44	5900	2006.63
2450L	3 1/8"	115	86	140	44	5900	2006.63
2451L	3 3/16"	121	86	140	47	6200	2194.01
2452L	3 1/4"	121	86	140	47	6200	2194.01
2453L	3 5/16"	121	86	140	47	6200	2300.90
2454M86L inch	3 3/8"	127	86	140	49	6600	2470.94
2455L	3 7/16"	127	86	140	49	6600	2582.04
2456L	3 1/2"	130	86	140	49	6800	2726.34
2457L	3 9/16"	130	86	140	49	6800	2751.86
2458L	3 5/8"	135	127	140	49	9900	3100.20
2459L	3 11/16"	135	127	140	49	9900	3287.07
2460M95L inch	3 3/4"	135	127	150	49	9900	3287.07
2461L	3 13/16"	140	127	150	54	10700	3669.20
2462L	3 7/8"	140	127	150	54	10700	3669.20
2463M100L inch	3 15/16"	140	127	150	54	10700	3974.90
2464L	4"	145	127	150	54	11200	3974.90
2465L	4 1/16"	145	127	150	54	11200	4382.56
2466M105L inch	4 1/8"	150	127	150	54	11900	4382.56
2467L	4 3/16"	150	127	150	62	11900	4382.56
2468L	4 1/4"	150	127	160	62	11900	4382.56
2469M110L inch	4 5/16"	155	127	160	62	12500	4790.29
2470L	4 3/8"	155	127	160	62	12500	4790.29
2471L	4 7/16"	155	127	160	62	12500	4917.61
2472L	4 1/2"	160	127	160	62	13200	4917.61
2474L	4 5/8"	165	127	170	67	14300	4994.04
2476L	4 3/4"	165	127	170	67	14300	4994.04
2478L	4 7/8"	170	127	170	67	14600	5096.07
2480L	5"	180	127	180	72	18200	5274.37
2482M130L	5 1/8"	180	127	185	76	18200	5274.37
2483L	5 3/16"	180	127	185	76	18200	6624.74
2486L	5 3/8"	190	127	185	76	19000	7134.34

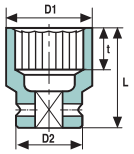
24DH 1.1/2”

Cap cheie tubulara de impact 1.1/2" 12 laturi, scurt

1 1/2" 40 mm

• patrat de antrenare 1.1/2" DIN 3121 - forma H 40





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
24M32DH	32	60	86	75	17	1800	623.58
24M33DH	33	60	86	75	17	1800	623.58
24M34DH	34	60	86	75	19	1800	623.58
2422M35DH	35	60	86	75	19	1800	623.58
24M36DH	36	64	86	80	19	2200	670.57
24M37DH	37	64	86	80	19	2200	670.57
2424M38DH	38	64	86	80	22	2200	670.57
24M39DH	39	70	86	80	22	2200	670.57
24M40DH	40	70	86	80	22	2200	670.57
2426M41DH	41	70	86	80	22	2200	670.57
24M42DH	42	70	86	80	22	2200	670.57
2427M43DH	43	75	86	80	25	2200	670.57
24M44DH	44	75	86	80	25	2200	670.57
24M45DH	45	75	86	80	25.5	2200	670.57
2429M46DH	46	75	86	80	25.5	2200	670.57
24M47DH	47	75	86	80	25.5	2200	670.57
24M48DH	48	80	86	82	27	2300	684.74
2431M49DH	49	80	86	82	27	2300	684.74
24M50DH	50	80	86	82	27	2300	684.74
2432M51DH	51	80	86	82	27	2300	684.74
24M52DH	52	80	86	82	27	2300	684.74
2434M54DH	54	86	86	89	30	2500	684.74
24M55DH	55	86	86	89	30	2500	684.74
24M56DH	56	86	86	92	32	2500	764.11
2436M57DH	57	86	86	92	33	2500	764.11
24M58DH	58	92	86	92	33	2800	764.11
2437M59DH	59	92	86	92	33	2800	764.11
24M60DH	60	92	86	92	35	2800	841.87
24M61DH	61	96	86	96	35	3200	841.87
2439M62DH	62	96	86	96	35	3200	841.87
2441M65DH	65	100	86	96	35	3350	937.77
2442M67DH	67	100	86	101	38	3350	979.38
2444M70DH	70	105	86	101	38	3600	1262.88
2446M73DH	73	109	86	105	41	3900	1474.38
2447M75DH	75	109	86	105	41	3900	1528.01
2448M76DH	76	115	86	110	44	4500	1632.25
24M77DH	77	115	86	110	44	4500	1789.97
24M80DH	80	115	86	110	44	4500	1789.97
24M85DH	85	121	86	116	47	5100	1894.20
2454M86DH	86	127	86	116	49	5500	2001.69
24M90DH	90	130	86	118	49	5600	2065.80
2460M95DH	95	135	127	118	49	7900	3156.93
2463M100DH	100	140	127	125	54	8500	3535.89
2466M105DH	105	150	127	125	54	9500	4009.43
2469M110DH	110	155	127	137	62	10400	4356.59
24M115DH	115	160	127	137	67	11500	4356.59
24M120DH	120	165	127	145	67	12000	4798.70
24M125DH	125	170	127	145	67	12200	4850.48

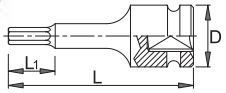
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
2421DH	1 5/16"	60	86	75	19	1800	623.60
2422M35DH inch	1 3/8"	60	86	75	19	1800	623.60
2423DH	1 7/16"	64	86	80	19	2200	670.70
2424M38DH inch	1 1/2"	64	86	80	22	2200	670.70
2425DH	1 9/16"	70	86	80	22	2200	670.70
2426M41DH inch	1 5/8"	70	86	80	22	2200	670.70
2427M43DH inch	1 11/16"	75	86	80	25	2200	670.70
2428DH	1 3/4"	75	86	80	25.5	2200	670.70
2429M46DH inch	1 13/16"	75	86	80	25.5	2200	670.70
2430DH	1 7/8"	80	86	82	27	2300	684.86
2431M49DH inch	1 15/16"	80	86	82	27	2300	684.86
2432M51DH inch	2"	80	86	82	27	2300	684.86
2433DH	2 1/16"	86	86	89	30	2500	684.86
2434M54DH inch	2 1/8"	86	86	89	30	2500	684.86
2435DH	2 3/16"	86	86	92	32	2500	699.39
2436M57DH inch	2 1/4"	86	86	92	33	2500	764.24
2437M59DH inch	2 5/16"	92	86	92	33	2800	764.24
2438DH	2 3/8"	92	86	96	35	2800	842.10
2439M62DH inch	2 7/16"	96	86	96	35	3200	842.10
2440DH	2 1/2"	100	86	96	35	3350	938.00
2441M65DH inch	2 9/16"	100	86	96	35	3350	938.00
2442M67DH inch	2 5/8"	100	86	101	38	3350	979.62
2443DH	2 11/16"	105	86	101	38	3600	1073.82
2444M70DH inch	2 3/4"	105	86	101	38	3600	1263.25
2445DH	2 13/16"	109	86	105	40	3900	1357.92
2446M73DH inch	2 7/8"	109	86	105	41	3900	1474.77
2447M75DH inch	2 15/16"	109	86	105	41	3900	1528.47
2448M76DH inch	3"	115	86	110	44	4500	1632.77
2449DH	3 1/16"	115	86	110	44	4500	1790.48
2450DH	3 1/8"	115	86	110	44	4500	1790.48
2451DH	3 3/16"	121	86	116	47	5100	1790.48
2452DH	3 1/4"	121	86	116	47	5100	1844.19
2453DH	3 5/16"	121	86	116	47	5100	1894.78
2454M86DH inch	3 3/8"	127	86	116	49	5500	2002.28
2455DH	3 7/16"	127	86	118	49	5500	2052.97
2456DH	3 1/2"	130	86	118	49	5600	2052.97
2457DH	3 9/16"	130	86	118	49	5600	2318.00
2458DH	3 5/8"	135	127	118	49	7900	2684.40
2459DH	3 11/16"	135	127	118	49	7900	3157.84
2460M95DH inch	3 3/4"	135	127	118	49	7900	3157.84
2461DH	3 13/16"	140	127	125	54	8500	3221.36
2462DH	3 7/8"	140	127	125	54	8500	3379.08
2463M100DH inch	3 15/16"	140	127	125	54	8500	3536.89
2464DH	4"	145	127	125	54	9000	3536.89
2465DH	4 1/16"	145	127	125	54	9000	4010.61
2466M105DH inch	4 1/8"	150	127	125	54	9500	4010.61
2467DH	4 3/16"	150	127	137	62	10200	4010.61
2468DH	4 1/4"	150	127	137	62	10200	4010.61
2469M110DH inch	4 5/16"	155	127	137	62	10400	4357.95
2470DH	4 3/8"	155	127	137	62	10400	4357.95
2471DH	4 7/16"	155	127	137	62	10400	4357.95
2472DH	4 1/2"	160	127	137	62	11500	4357.95
2474DH	4 5/8"	165	127	143	67	12000	4800.14
2476DH	4 3/4"	165	127	145	67	12000	4800.14
2478DH	4 7/8"	170	127	145	67	12200	4851.96
2480DH	5"	180	127	150	72	14800	5112.84
2482M130DH inch	5 1/8"	180	127	158	76	14800	5112.84
2483DH	5 3/16"	180	127	158	76	14800	6516.44
2486DH	5 3/8"	190	127	158	76	16700	7017.62

765

Capete hexagonale de impact 1.1/2"

- *material: crom molibden*
- *actionare: patrat 1.1/2"*
- *conform DIN 3121 - H 40*
- *deschidere: hexagon DIN / ISO 2936*





ASW wekador

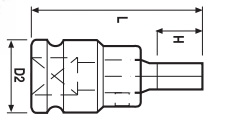
		D2	L	T				
1000076508	HX 19	86	105	18,0	2133	1C	1	1269.33
1000076509	HX 22	86	105	18,0	2186	1C	1	1269.33
1000076510	HX 24	86	105	20,0	2176	1C	1	1269.33
1000076511	HX 27	86	105	20,0	2264	1C	1	1269.33
1000076512	HX 30	86	105	20,0	2351	1C	1	1269.33
1000076513	HX 32	86	105	20,0	2298	1C	1	1269.33
1000076514	HX 36	86	105	20,0	2515	1C	1	1269.33
1000076515	HX 41	86	105	20,0	2517	1C	1	1269.33
1000076516	HX 46	86	105	20,0	2657	1C	1	1269.33

24V 1.1/2"

Cap cheie tubulara de impact cu profil hexagon exterior 1.1/2", 2 piese

- *patrat de antrenare 1.1/2" DIN 3121 - forma H 40*





OZAT 2000 LTD.

	Dimensiune	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	gr	
24M22V	22	86	113	22	2600	1040.83
24M24V	24	86	115	24	2600	1058.39
24M27V	27	86	118	27	2600	1058.39
24M30V	30	86	121	30	2800	1126.70
24M32V	32	86	123	32	2800	1126.70
24M36V	36	86	127	36	3400	1126.70
24M38V	38	86	129	38	3400	1126.70
24M41V	41	86	132	41	3520	1126.70
24M46V	46	86	137	46	4700	1126.70
24M50V	50	86	141	50	4900	1290.69
24M55V	55	86	146	55	5100	1290.69
2416V	1"	86	116	25	2600	1126.70
2418V	1.1/8"	86	119	28	2600	1126.70
2420V	1.1/4"	86	123	32	2800	1126.70
2422V	1.3/8"	86	126	35	3400	1126.70
2424V	1.1/2"	86	129	38	3400	1126.70
2426V	1.5/8"	86	132	41	3250	1126.70
2428V	1.3/4"	86	135	44	2520	1126.70
2429V	1.13/16"	86	137	46	4700	1126.70
2430V	1.7/8"	86	139	48	4900	1290.69
2432V	2"	86	142	51	4900	1290.69
2434V	2.1/8"	86	145	54	5100	1290.69

H24 1.1/2”

Bit pentru cap cheie tubulara impact 1.1/2", profil hexagon exterior

• *hexagon exterior DIN/ISO 2963*



OZAT 2000 LTD.

	Dimensiune mm / inch	Hexagon prindere mm	
HM22	22 mm	22	89.11
HM24	24 mm	32	145.77
HM27	27 mm	32	165.76
HM30	30 mm	32	194.09
HM32	32 mm	32	206.11
HM36	36 mm	41	495.52
HM38	38 mm	41	495.52
HM41	41 mm	41	495.52
HM46	46 mm	55	562.87
HM50	50 mm	55	562.87
HM55	55 mm	55	595.40
H16	1"	22	91.18
H18	1 1/8"	32	149.09
H20	1 1/4"	32	149.09
H22	1 3/8"	41	338.98
H24	1 1/2"	41	338.98
H26	1 5/8"	41	462.98
H28	1 3/4"	41	462.98
H29	1 13/16"	55	503.78
H30	1 7/8"	55	528.79
H32	2"	55	555.42
H34	2 1/8"	55	555.42

24H 1.1/2”

Cap cheie tubulara impact 1.1/2" suport pentru bit profil hexagon exterior

• *patrat de antrenare 1.1/2” DIN 3121 - forma H 40*



OZAT 2000 LTD.

	Dimensiune mm / inch	HEX mm	
24H22	17-22 mm si 3/4"-7/8"	22 mm	982.55
24H32	23-32 mm si 1"-1.1/4"	32 mm	982.55
24H41	36-41 mm si 1.3/8"-1.3/4"	41 mm	982.55
24H55	46-55 mm si 1.13/16"-2.1/8"	55 mm	982.55

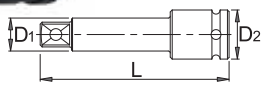


234.4/4

Prelungitor de impact 1.1/2

• *material:crom molibden*
• *forjata, calire si revenire totala*
• *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

	■	L	D1	D2				
617709	1.1/2"	250	49	86	5652	1C	1	2862.79

560

Prelungitor de impact 1.1/2"

• *material: crom molibden*
• *actionare: patrat 1.1/2”*
• *conform DIN 3121 - H 40*
• *deschidere: patrat DIN 3121*



ASW wekador

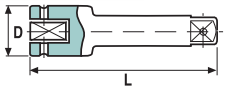
		E	A	D2	L				
1000005601	560-1	1.1/2”	1.1/2”	86	125	3900	1C	1	2278.69
1000005602	560-2	1.1/2”	1.1/2”	86	250	5450	1C	1	2508.20
1000005604	560-4	1.1/2”	1.1/2”	86	500	11600	1C	1	4803.62

E24 1.1/2”

Prelungitor de impact 1.1/2"

• *patrat de antrenare 1.1/2” DIN 3121 - forma H 40*





OZAT 2000 LTD.

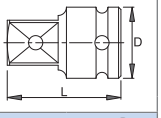
	Patrat interior	Patrat exterior	D mm	L mm	Greutate gr	
E2406	1 1/2"	1 1/2"	86	150	3980	1722.39
E2409	1 1/2"	1 1/2"	86	225	4540	1980.07
E2412	1 1/2"	1 1/2"	86	300	5000	2202.71
E2420	1 1/2"	1 1/2"	86	500	8200	2497.35

234.7/4

Adaptor de IMPACT 1.1/2"

• *material: crom molibden*
• *forjata, calire si revenire totala*
• *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

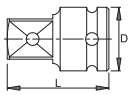
		D	L				
616800	1.1/2" - 1"	86	100	2203	1C	1	1083.28

460

Adaptor de impact 1.1/2"

- *material: crom molibden*
- *actionare: patrat 1.1/2"*
- *conform DIN 3121 - H 40*
- *deschidere: patrat DIN 3121*





ASW

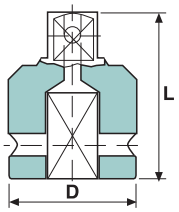
		E	A	D2	L				
1000004601	460-1	1.1/2"	1"	86	95	2261	1C	1	1424.59
1000004602	460-2	1.1/2	2.1/2"	86	120	4550	1C	1	2549.32

A24 1.1/2"

Adaptor de impact mama-tata 1.1/2"

- *patrat de antrenare 1.1/2" DIN 3121 - forma H 40*





OZAT 2000 LTD.

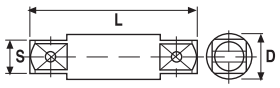
1 1/2" 40 mm

	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
A2416	1 1/2"	1"	86	95	2300	1121.24
A2440	1 1/2"	2 1/2"	86	93	2500	5605.52
A2495	1 1/2"	Spline 5	86	138	2530	2989.62

Z24 1.1/2"

Adaptor de impact tata-tata 1.1/2"





OZAT 2000 LTD.

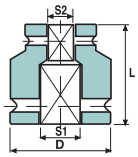
	Patrat		D	L	Greutate	
	exterior	exterior	mm	mm	gr	
Z2404	1 1/2"	1 1/2"	49	101	1200	484.16
Z2405	1 1/2"	1 1/2"	49	127	1540	484.16
Z2410	1 1/2"	1 1/2"	49	254	3420	942.86
Z2420	1 1/2"	1 1/2"	49	508	6550	1605.25

AN24 1.1/2"

Adaptor de impact mama-mama 1.1/2"

- *patrat de antrenare 1.1/2" DIN 3121 - forma H 40*





OZAT 2000 LTD.

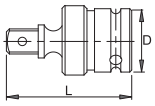
	Patrat		D	L	Greutate	
	interior	interior	mm	mm	gr	
AN2416	1 1/2"	1"	86	83	2050	1146.84
AN2424	1 1/2"	1 1/2"	86	85	2690	1044.74
AN4024	2 1/2"	1 1/2"	127	115	6500	4713.86

234.6/4

Intermediar cardanic de IMPACT 1.1/2

- *material:crom molibden*
- *forjata, calire si revenire totala*
- *acoperire prin brunare dupa standardul DIN 12476*





UNIOR

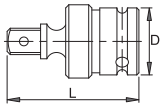
		L	D				
617689	1.1/2"	182	86	4098	1C	1	2800.16

460 KG

Intermediar cardanic de impact 1.1/2"

- *material: crom molibden*
- *actionare: patrat 1.1/2"*
- *conform DIN 3121 - H 40*
- *deschidere: patrat, DIN 3121*





ASW wekador

		E	A	D2	L				
1000004603	460 KG-3	1.1/2"	1.1/2"	86	180	5250	1C	1	5375.49

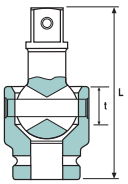
U24 1.1/2"

Intermediar cardanic de impact 1.1/2"

- *patrat de antrenare 1.1/2" DIN 3121 - forma H 40*

1 1/2" 40 mm





OZAT 2000 LTD.

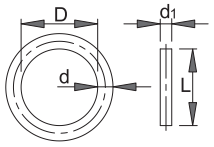
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
U2424	1.1/2"	1.1/2"	86	125	4070	2378.14

234.8/4

Accesorii de impact 1.1/2"







UNIOR

		D	d	L	d1				
617126	80 - 90	75	5.7	75	6	55	1E	1	46.89
617127	95 - 120	85	5.7	84	6	40	1E	1	46.89

760 ST

Pin blocare



ASW wekador

	D2	mm				
1000076910	86	≤ SW 90		1C		10.85
1000076911	127	> SW 90		1C		27.09

760 GR

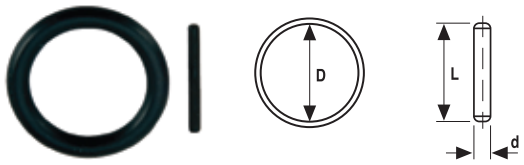
Inel retentie



	D2	mm				
1000076900	86	≤ SW 90		1C		49.25
1000076901	127	> SW 90		1C		76.79

PR24 1.1/2”

Accesorii de impact 1./12"



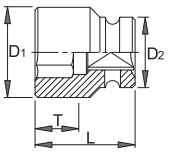
	Patrat	Tip	Q	d	L	D	
				mm	mm	mm	
P2486	1.1/2"	pin	Ø 86	75	75	-	7.23
P24127	1.1/2"	pin	Ø 127	116	116	-	7.23
R2486	1.1/2"	inel	Ø 86	-	-	75	11.95
R24127	1.1/2"	inel	Ø 127	-	-	116	11.95

770

Capete chei tubulare de impact 2.1/2"

- *material: crom molibden*
- *actionare: patrat 2.1/2”*
- *conform DIN 3121 - H 63*
- *deschidere: hexagon DIN / ISO 691*





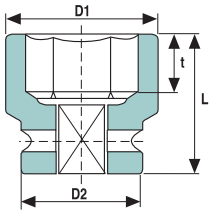
		D2	D1	L	T				
1000077002	70	127	110,0	125	46,0	7650	1C	1	la cerere
1000077003	75	127	118,0	140	46,0	7830	1C	1	la cerere
1000077004	80	127	124,0	140	51,0	8390	1C	1	la cerere
1000077005	85	127	130,0	140	51,0	9250	1C	1	la cerere
1000077006	90	127	136,0	145	54,0	9970	1C	1	la cerere
1000077007	95	127	146,0	145	54,0	10730	1C	1	la cerere
1000077008	100	127	149,0	150	57,0	11920	1C	1	la cerere
1000077009	105	127	155,0	155	61,0	11300	1C	1	la cerere
1000077010	110	127	161,0	160	64,0	12980	1C	1	la cerere
1000077011	115	127	167,0	165	67,0	14210	1C	1	la cerere
1000077012	120	127	174,0	170	71,0	15390	1C	1	la cerere
1000077013	125	127	181,0	175	75,0	15900	1C	1	la cerere
1000077014	130	127	188,0	175	75,0	16130	1C	1	la cerere
1000077015	135	127	195,0	180	79,0	16370	1C	1	la cerere
1000077016	140	127	202,0	180	79,0	17280	1C	1	la cerere
1000077017	145	127	208,0	185	83,0	17760	1C	1	la cerere
1000077018	150	127	215,0	185	87,0	17960	1C	1	la cerere
1000077019	155	127	221,0	190	91,0	18630	1C	1	la cerere
1000077020	160	127	227,0	190	91,0	18850	1C	1	la cerere
1000077021	165	127	234,0	195	95,0	19170	1C	1	la cerere
1000077022	170	127	241,0	195	100,0	19620	1C	1	la cerere
1000077023	175	127	248,0	200	105,0	21460	1C	1	la cerere
1000077024	180	127	254,0	200	105,0	21500	1C	1	la cerere

40 2.1/2”

Cap cheie tubulara de impact 2.1/2" 6 laturi, scurt

- *patrat de antrenare 2.1/2” DIN 3121 - forma H 63*
- *hexagon interior conform DIN 475/2*





	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
4026M41	41	104	127	115	21.5	7000	3585.31
40M42	42	104	127	115	21.5	7000	3585.31
4027M43	43	104	127	115	25	7000	3585.31
40M44	44	104	127	115	25	7000	3585.31
40M45	45	104	127	115	25.5	7000	3585.31
4029M46	46	104	127	115	25.5	7000	3585.31
40M47	47	104	127	115	25.5	7000	3585.31
40M48	48	104	127	115	27	7000	3585.31
4031M49	49	104	127	115	27	7000	3585.31
40M50	50	104	127	115	27	7000	3585.31
4032M51	51	104	127	115	27	7000	3585.31
40M52	52	104	127	115	27	7000	3585.31
4034M54	54	104	127	115	30	7000	3721.22
40M55	55	104	127	115	30	7000	3721.22
40M56	56	104	127	115	32	7000	3721.22
4036M57	57	104	127	115	32.5	7000	3721.22
40M58	58	104	127	115	32.5	7000	3721.22
4037M59	59	104	127	115	33	7000	3721.22
40M60	60	104	127	115	33	7000	3721.22
40M61	61	104	127	115	35	7000	3789.18
4039M62	62	104	127	115	35	7000	3789.18
4041M65	65	104	127	115	35	7000	3789.18
4042M67	67	104	127	115	38	7000	3789.18
4044M70	70	104	127	115	38	7000	3789.18
4046M73	73	115	127	125	41	7600	3789.18
4047M75	75	115	127	125	41	7600	3789.18
4048M76	76	115	127	125	44	7600	3789.18
40M77	77	115	127	125	44	7600	3789.18
40M80	80	115	127	125	44	7600	3789.18
40M85	85	127	127	130	47	8000	4094.99
4054M86	86	127	127	130	49	8000	4485.74
40M90	90	135	127	132	49	8100	4485.74
4060M95	95	140	127	132	49	8200	4774.66
4063M100	100	145	127	141	54	9000	5879.15
4066M105	105	150	127	141	54	9600	5938.80
4069M110	110	160	127	150	62	11000	6898.60
40M115	115	165	127	150	62	11500	7612.25
40M120	120	170	127	158	67	12000	8665.87
40M125	125	170	127	158	67	12000	8946.19
4082M130	130	180	127	174	76	14100	10653.80
40M135	135	190	127	174	76	17000	10653.80
4088M140	140	190	127	176	79	17000	10806.80
40M145	145	200	150	182	83	20000	10806.80
4094M150	150	210	150	190	88	22000	13763.22
40M155	155	210	150	190	88	22000	13763.22
40M160	160	220	150	194	91	23000	15929.74

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
40104M165	165	230	175	201	94	30000	**15929.74**
40M170	170	230	175	201	94	30000	**18147.22**
40110M175	175	240	175	208	99	32000	**21715.45**
40M180	180	240	175	214	104	32000	**22327.15**
40116M185	185	250	175	214	104	36000	**24366.15**
40M190	190	260	175	218	107	40000	**25793.44**
40122M195	195	260	175	222	109	40000	**25793.44**
40125M200	200	270	175	226	112	44000	**29667.57**
40132M210	210	280	175	232	115	48000	**33031.93**
40M215	215	290	175	239	120	51000	**38231.31**
40142M225	225	300	175	258	126	60000	**38231.31**
40M230	230	310	175	258	128	66000	**43328.86**
40M235	235	310	175	275	131	66000	**43328.86**
4026M41 inch	1 5/8"	104	127	115	21.5	7000	**3585.31**
4027M43 inch	1 11/16"	104	127	115	25	7000	**3585.31**
4028	1 3/4"	104	127	115	25.5	7000	**3585.31**
4029M46 inch	1 13/16"	104	127	115	25.5	7000	**3585.31**
4030	1 7/8"	104	127	115	27	7000	**3585.31**
4031M49 inch	1 15/16"	104	127	115	27	7000	**3585.31**
4032M51 inch	2"	104	127	115	27	7000	**3585.31**
4033	2 1/16"	104	127	115	30	7000	**3585.31**
4034M54 inch	2 1/8"	104	127	115	30	7000	**3721.22**
4035	2 3/16"	104	127	115	32	7000	**3721.22**
4036M57 inch	2 1/4"	104	127	115	32.5	7000	**3721.22**
4037M59 inch	2 5/16"	104	127	115	33	7000	**3721.22**
4038	2 3/8"	104	127	115	35	7000	**3721.22**
4039M62 inch	2 7/16"	104	127	115	35	7000	**3789.18**
4040	2 1/2"	104	127	115	35	7000	**3789.18**
4041M65 inch	2 9/16"	104	127	115	35	7000	**3789.18**
4042M67 inch	2 5/8"	104	127	115	38	7000	**3789.18**
4043	2 11/16"	104	127	115	38	7000	**3789.18**
4044M70 inch	2 3/4"	104	127	115	38	7000	**3789.18**
4045	2 13/16"	115	127	125	40	7600	**3789.18**
4046M73 inch	2 7/8"	115	127	125	41	7600	**3789.18**
4047M75 inch	2 15/16"	115	127	125	41	7600	**3789.18**
4048M76 inch	3"	115	127	125	44	7600	**3789.18**
4049	3 1/16"	115	127	125	44	7600	**3789.18**
4050	3 1/8"	127	127	125	44	7600	**3789.18**
4051	3 3/16"	127	127	130	47	8000	**3959.17**
4052	3 1/4"	127	127	130	47	8000	**4094.99**
4053	3 5/16"	127	127	130	47	8000	**4094.99**
4054M86 inch	3 3/8"	127	127	130	49	8000	**4485.74**
4055	3 7/16"	135	127	132	49	8100	**4485.74**
4056	3 1/2"	135	127	132	49	8100	**4485.74**
4057	3 9/16"	135	127	132	49	8100	**4485.74**
4058	3 5/8"	135	127	132	49	8100	**4485.74**
4059	3 11/16"	140	127	132	49	8200	**4774.66**
4060M95 inch	3 3/4"	140	127	132	49	8200	**4774.66**
4061	3 13/16"	145	127	141	54	9000	**5879.15**
4062	3 7/8"	145	127	141	54	9000	**5879.15**
4063M100 inch	3 15/16"	145	127	141	54	9000	**5879.15**
4064	4"	150	127	141	54	9600	**5938.80**
4065	4 1/16"	150	127	141	54	9600	**5938.80**
4066M105 inch	4 1/8"	150	127	141	54	9600	**5938.80**
4067	4 3/16"	155	127	150	62	10500	**6898.60**
4068	4 1/4"	155	127	150	62	10500	**6898.60**
4069M110 inch	4 5/16"	160	127	150	62	11000	**6898.60**
4070	4 3/8"	160	127	150	62	11000	**6898.60**
4071	4 7/16"	165	127	150	62	11300	**7612.25**

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
4072	4 1/2"	165	127	150	62	11300	**7612.25**
4074	4 5/8"	170	127	158	67	12000	**7612.25**
4076	4 3/4"	170	127	158	67	12000	**8665.87**
4078	4 7/8"	170	127	158	67	12000	**8665.87**
4080	5"	180	127	165	72	14100	**8946.19**
4082M130	5 1/8"	180	127	174	76	14100	**10653.80**
4083	5 3/16"	180	127	174	76	14100	**10653.80**
4084	5 1/4"	190	127	174	76	17000	**10653.80**
4086	5 3/8"	190	127	174	76	17000	**10806.80**
4088M140 inch	5 1/2"	190	127	176	79	17000	**10806.80**
4090	5 5/8"	200	150	182	83	20000	**10806.80**
4092	5 3/4"	200	150	182	83	20000	**10806.80**
4094M150 inch	5 7/8"	210	150	190	88	22000	**13763.22**
4096	6"	210	150	190	88	22000	**13763.22**
4098	6 1/8"	210	150	190	88	22000	**13763.22**
40100	6 1/4"	220	150	194	91	23000	**15929.74**
40102	6 3/8"	220	150	194	91	23000	**15929.74**
40104M165 inch	6 1/2"	230	175	201	94	30000	**15929.74**
40106	6 5/8"	230	175	201	94	30000	**18147.22**
40108	6 3/4"	230	175	208	99	30000	**18147.22**
40110M175 inch	6 7/8"	240	175	208	99	32000	**21715.45**
40112	7"	240	175	214	104	32000	**22327.15**
40114	7 1/8"	250	175	214	104	36000	**24366.15**
40116M185 inch	7 1/4"	250	175	214	104	36000	**24366.15**
40118	7 3/8"	250	175	218	107	36000	**24366.15**
40120	7 1/2"	260	175	218	107	40000	**25793.44**
40122M195 inch	7 5/8"	260	175	222	109	40000	**25793.44**
40124	7 3/4"	270	175	226	112	44000	**29667.57**
40125M200 inch	7 13/16"	270	175	226	112	44000	**29667.57**
40126	7 7/8"	270	175	226	112	44000	**29667.57**
40128	8"	270	175	232	115	44000	**29667.57**
40130	8 1/8"	280	175	232	115	48000	**33031.93**
40132M210 inch	8 1/4"	280	175	232	115	48000	**33031.93**
40134	8 3/8"	290	175	239	120	51000	**33031.93**
40136	8 1/2"	290	175	250	122	51000	**38231.31**
40140	8 3/4"	300	175	253	124	60000	**38231.31**
40142M225 inch	8 7/8"	300	175	258	126	60000	**38231.31**
40144	9"	310	175	258	128	66000	**43328.86**
40146	9 1/8"	310	175	258	131	66000	**43328.86**
40148	9 1/4"	310	175	275	133	66000	**43328.86**



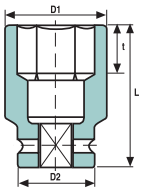
40L 2.1/2”

Cap cheie tubulara de impact 2.1/2" 6 laturi, lung

21/2" 63 mm

- *patrat de antrenare 2.1/2" DIN 3121 - forma H 63*
- *hexagon interior conform DIN 475/2*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
4026M41L	41	104	127	192	21.5	11000	**5913.22**
40M42L	42	104	127	192	21.5	11000	**5913.22**
4027M43L	43	104	127	192	25	11000	**5913.22**
40M44L	44	104	127	192	25	11000	**5913.22**
40M45L	45	104	127	192	25.5	11000	**5913.22**
4029M46L	46	104	127	192	25.5	11000	**5913.22**
40M47L	47	104	127	192	25.5	11000	**5913.22**
40M48L	48	104	127	192	27	11000	**5913.22**
4031M49L	49	104	127	192	27	11000	**5913.22**
40M50L	50	104	127	192	27	11000	**5913.22**
4032M51L	51	104	127	192	27	11000	**5913.22**
40M52L	52	104	127	192	27	11000	**5913.22**
4034M54L	54	104	127	192	30	11000	**5913.22**
40M55L	55	104	127	192	30	11000	**5913.22**
40M56L	56	104	127	192	32	11000	**5913.22**
4036M57L	57	104	127	192	32.5	11000	**5913.22**
40M58L	58	104	127	192	32.5	11000	**5913.22**
4037M59L	59	104	127	192	33	11000	**5913.22**
40M60L	60	104	127	192	33	11000	**5913.22**
40M61L	61	104	127	192	35	11000	**6219.03**
4039M62L	62	104	127	192	35	11000	**6219.03**
4041M65L	65	104	127	192	35	11000	**6219.03**
4042M67L	67	104	127	192	38	11000	**6219.03**
4044M70L	70	104	127	192	38	11000	**6219.03**
4046M73L	73	115	127	192	41	11000	**6219.03**
4047M75L	75	115	127	192	41	11000	**6219.03**
4048M76L	76	115	127	192	44	11000	**6219.03**
40M77L	77	115	127	192	44	11000	**6219.03**
40M80L	80	115	127	192	44	11000	**6219.03**
40M85L	85	127	127	192	47	11000	**6219.03**
4054M86L	86	127	127	192	49	11000	**6219.03**
40M90L	90	135	127	192	49	12500	**6830.74**
4060M95L	95	140	127	192	49	13000	**7646.23**
4063M100L	100	145	127	198	54	14000	**7646.23**
4066M105L	105	150	127	198	54	15500	**8665.87**
4069M110L	110	160	127	207	62	17000	**9685.32**
40M115L	115	165	127	207	67	18000	**9685.32**
40M120L	120	170	127	215	67	19000	**11622.48**
40M125L	125	170	127	215	67	19000	**12539.90**
4082M130L	130	180	127	223	76	20000	**12539.90**
40M135L	135	190	127	231	76	22000	**13593.52**
4088M140L	140	190	127	234	79	22000	**13967.19**
40M145L	145	200	150	240	83	26000	**13967.19**
4094M150L	150	210	150	248	88	30000	**17943.25**
40M155L	155	210	150	248	88	30000	**17943.25**
40M160L	160	220	150	252	91	33000	**19880.32**
40104M165L	165	230	175	260	94	38000	**20390.00**
40M170L	170	230	175	260	94	38000	**23040.89**
40110M175L	175	240	175	264	99	41000	**27118.80**
40M180L	180	240	175	272	104	41000	**27118.80**
40116M185L	185	250	175	272	104	45000	**29769.51**
40M190L	190	260	175	276	107	50000	**33133.86**
40122M195L	195	260	175	280	109	50000	**33133.86**
40125M200L	200	270	175	284	112	55000	**38231.31**
40132M210L	210	280	175	290	115	60000	**38231.31**
40M215L	215	290	175	316	120	70000	**45877.54**
40142M225L	225	300	175	316	126	75000	**46727.19**
40M230L	230	310	175	316	128	80000	**46727.19**
40M235L	235	310	175	333	131	80000	**47576.94**
4026M41L inch	1 5/8"	104	127	192	21.5	11000	**5913.22**
4027M43L inch	1 11/16"	104	127	192	25	11000	**5913.22**
4028L	1 3/4"	104	127	192	25.5	11000	**5913.22**
4029M46L inch	1 13/16"	104	127	192	25.5	11000	**5913.22**
4030L	1 7/8"	104	127	192	27	11000	**5913.22**
4031M49L inch	1 15/16"	104	127	192	27	11000	**5913.22**
4032M51L inch	2"	104	127	192	27	11000	**5913.22**
4033L	2 1/16"	104	127	192	30	11000	**5913.22**
4034M54L inch	2 1/8"	104	127	192	30	11000	**5913.22**
4035L	2 3/16"	104	127	192	32	11000	**5913.22**
4036M57L inch	2 1/4"	104	127	192	32.5	11000	**5913.22**
4037M59L inch	2 5/16"	104	127	192	33	11000	**5913.22**
4038L	2 3/8"	104	127	192	35	11000	**5913.22**
4039M62L inch	2 7/16"	104	127	192	35	11000	**6219.03**
4040L	2 1/2"	104	127	192	35	11000	**6219.03**
4041M65L inch	2 9/16"	104	127	192	35	11000	**6219.03**
4042M67L inch	2 5/8"	104	127	192	38	11000	**6219.03**
4043L	2 11/16"	104	127	192	38	11000	**6219.03**
4044M70L inch	2 3/4"	104	127	192	38	11000	**6219.03**
4045L	2 13/16"	115	127	192	40	11000	**6219.03**
4046M73L inch	2 7/8"	115	127	192	41	11000	**6219.03**
4047M75L inch	2 15/16"	115	127	192	41	11000	**6219.03**
4048M76L inch	3"	115	127	192	44	11000	**6219.03**
4049L	3 1/16"	115	127	192	44	11000	**6219.03**
4050L	3 1/8"	127	127	192	44	11000	**6219.03**
4051L	3 3/16"	127	127	192	47	11000	**6219.03**
4052L	3 1/4"	127	127	192	47	11000	**6219.03**
4053L	3 5/16"	127	127	192	47	11000	**6219.03**
4054M86L inch	3 3/8"	127	127	192	49	11000	**6219.03**
4055L	3 7/16"	135	127	192	49	12500	**6219.03**
4056L	3 1/2"	135	127	192	49	12500	**6830.74**
4057L	3 9/16"	135	127	192	49	12500	**6830.74**
4058L	3 5/8"	135	127	192	49	12500	**6830.74**
4059L	3 11/16"	140	127	192	49	13000	**6830.74**
4060M95L inch	3 3/4"	140	127	192	49	13000	**7646.23**
4061L	3 13/16"	145	127	198	54	14000	**7646.23**
4062L	3 7/8"	145	127	198	54	14000	**7646.23**
4063M100L inch	3 15/16"	145	127	198	54	14000	**7646.23**
4064L	4"	150	127	198	54	15500	**8665.87**
4065L	4 1/16"	150	127	198	54	15500	**8665.87**
4066M105L inch	4 1/8"	150	127	198	54	15500	**8665.87**
4067L	4 3/16"	155	127	207	62	16000	**9685.32**
4068L	4 1/4"	155	127	207	62	16000	**9685.32**
4069M110L inch	4 5/16"	160	127	207	62	17000	**9685.32**
4070L	4 3/8"	160	127	207	62	17000	**9685.32**
4071L	4 7/16"	165	127	207	62	18000	**9685.32**
4072L	4 1/2"	165	127	207	62	18000	**9685.32**
4074L	4 5/8"	170	127	215	67	19000	**11622.48**
4076L	4 3/4"	170	127	215	67	19000	**11622.48**

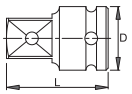
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
4078L	4 7/8"	170	127	215	67	19000	11622.48
4080L	5"	180	127	223	72	20000	12539.90
4082M130L inch	5 1/8"	180	127	223	76	20000	12539.90
4083L	5 3/16"	180	127	231	76	20000	12539.90
4084L	5 1/4"	190	127	231	76	22000	13593.52
4086L	5 3/8"	190	127	231	76	22000	13967.19
4088M140L inch	5 1/2"	190	127	234	79	22000	13967.19
4090L	5 5/8"	200	150	240	83	26000	13967.19
4092L	5 3/4"	200	150	240	83	26000	16923.90
4094M150L inch	5 7/8"	210	150	248	88	30000	17943.25
4096L	6"	210	150	248	88	30000	17943.25
4098L	6 1/8"	210	150	248	88	30000	18554.96
40100L	6 1/4"	220	150	252	91	33000	19880.32
40102L	6 3/8"	220	150	252	91	33000	20390.00
40104M165L inch	6 1/2"	230	175	260	94	38000	20390.00
40106L	6 5/8"	230	175	260	94	38000	23040.89
40108L	6 3/4"	230	175	264	99	38000	23040.89
40110M175L inch	6 7/8"	240	175	264	99	41000	27118.80
40112L	7"	240	175	272	104	41000	27118.80
40114L	7 1/8"	250	175	272	104	45000	29769.51
40116M185L inch	7 1/4"	250	175	272	104	45000	29769.51
40118L	7 3/8"	250	175	276	107	45000	29769.51
40120L	7 1/2"	260	175	276	107	50000	33133.86
40122M195L inch	7 5/8"	260	175	280	109	50000	33133.86
40124L	7 3/4"	270	175	284	112	55000	38231.31
40125M200L inch	7 13/16"	270	175	284	112	55000	38231.31
40126L	7 7/8"	270	175	284	112	55000	38231.31
40128L	8"	270	175	290	115	55000	38231.31
40130L	8 1/8"	280	175	290	115	60000	38231.31
40132M210L inch	8 1/4"	280	175	290	115	60000	38231.31
40134L	8 3/8"	290	175	297	120	70000	45877.54
40136L	8 1/2"	290	175	316	122	70000	45877.54
40140L	8 3/4"	300	175	316	124	75000	45877.54
40142M225L inch	8 7/8"	300	175	316	126	75000	46727.19
40144L	9"	310	175	316	128	80000	46727.19
40146L	9 1/8"	310	175	316	131	80000	46727.19
40148L	9 1/4"	310	175	333	133	80000	47576.94

470

Adaptor de impact 2.1/2"

- *material: crom molibden*
- *actionare: patrat 2.1/2"*
- *conform DIN 3121 - H 63*
- *deschidere: patrat DIN 3121*





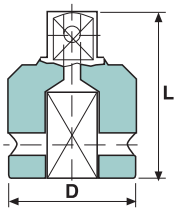
		E	A	D2	L				
1000004701	470-1	2.1/2	1.1/2"	127	138	7100	1C	1	4525.16

A40 2.1/2"

Adaptor de impact mama-tata 2.1/2"

- *patrat de antrenare 2.1/2" DIN 3121 - forma H 63*





	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
A4024	2 1/2"	1 1/2"	127	138	6560	5198.09
A4056	2 1/2"	3 1/2"	127	142	7960	18345.61

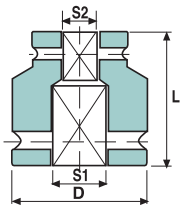




AN40 2.1/2"

Adaptor de impact mama-mama 2.1/2"



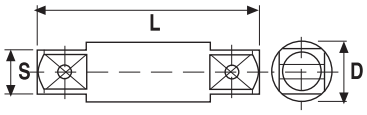


	Patrat		D	L	Greutate	
	interior	interior	mm	mm	gr	
AN4024	2 1/2"	1 1/2"	127	115	6500	4713.86
AN4040	2 1/2"	2 1/2"	127	117	7400	3516.20
AN5640	3 1/2"	2 1/2"	175	161	16120	13589.41

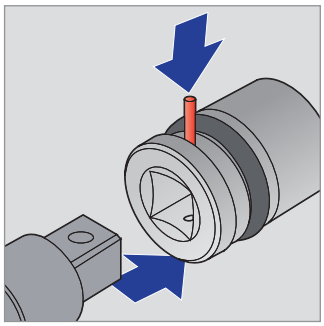
Z40 2.1/2"

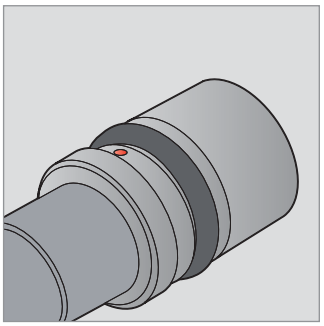
Adaptor de impact tata-tata 2.1/2"

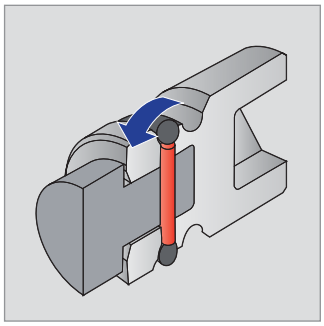


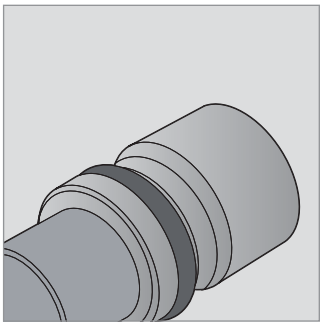


	Patrat		D	L	Greutate	
	exterior	exterior	mm	mm	gr	
Z4005	2 1/2"	2 1/2"	84	127	5000	891.81
Z4006	2 1/2"	2 1/2"	84	152	6000	891.81
Z4008	2 1/2"	2 1/2"	84	203	7500	1223.11
Z4010	2 1/2"	2 1/2"	84	254	9500	1427.02
Z4015	2 1/2"	2 1/2"	84	381	15000	1936.70
Z4020	2 1/2"	2 1/2"	84	508	20500	2446.16
Z4026	2 1/2"	2 1/2"	84	660	26500	3057.64





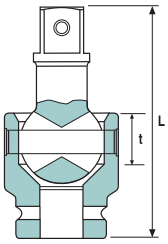




U40 2.1/2”

Intermediar cardanic de impact 2.1/2"



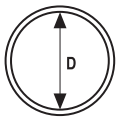


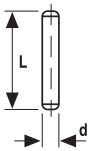
	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
U4040	2.1/2"	2.1/2"	127	200	12300	11434.43

PR40 2.1/2”

Accesorii de impact 2.1/2"







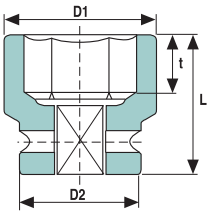
	Patrat	Tip	Q	d	L	D	
				mm	mm	mm	
P40127	2.1/2"	pin	Ø 127	8	110	-	20.51
P40150	2.1/2"	pin	Ø 150	8	133	-	20.51
P40175	2.1/2"	pin	Ø 175	8	158	-	20.51
R40127	2.1/2"	inel	Ø 127	-	-	114	55.99
R40150	2.1/2"	inel	Ø 150	-	-	136	55.99
R40175	2.1/2"	inel	Ø 175	-	-	162	55.99

56 3.1/2”

Cap cheie tubulara de impact 3.1/2" 6 laturi, scurt

- *patrat de antrenare 3.1/2” DIN 3121 - forma H 90*
- *hexagon interior conform DIN 475/2*





	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
5663M100	100	175	175	165	54	19200	10279.94
5666M105	105	175	175	165	54	19200	10279.94
5669M110	110	175	175	174	62	19200	10279.94
56M115	115	175	175	174	62	19200	10568.86
56M120	120	175	175	182	67	20100	11418.42
56M125	125	175	175	182	67	20100	11418.42
5682M130	130	190	175	198	76	22200	11418.42
56M135	135	190	175	198	76	22200	14273.19
5688M140	140	200	175	205	79	23000	15190.70
56M145	145	210	175	212	83	33100	16414.03
5694M150	150	210	175	212	88	33100	16414.03
56M155	155	220	175	214	88	36000	16414.03
56M160	160	220	175	218	91	36000	19472.39
56104M165	165	230	175	230	94	40000	19472.39
56M170	170	240	175	230	94	46000	22531.12
56110M175	175	250	175	230	99	52000	22531.12
56M180	180	250	175	237	104	52000	26710.96
56116M185	185	260	175	237	104	59000	26710.96
56M190	190	260	175	242	107	59000	28240.28
56122M195	195	270	175	246	109	62000	28240.28
56125M200	200	280	175	249	112	70000	30585.09
56132M210	210	290	175	256	115	74000	36701.99
56M215	215	300	175	263	120	81000	43838.63
56142M225	225	310	175	273	126	90000	43838.63
56M230	230	310	175	276	128	90000	43838.63
56M235	235	320	175	279	131	96000	45775.70
5662	3 7/8"	175	175	165	54	19200	10279.94
5663M100 inch	3 15/16"	175	175	165	54	19200	10279.94
5664	4"	175	175	165	54	19200	10279.94
5665	4 1/16"	175	175	165	54	19200	10279.94
5666M105 inch	4 1/8"	175	175	165	54	19200	10279.94
5667	4 3/16"	175	175	174	62	19200	10279.94
5668	4 1/4"	175	175	174	62	19200	10279.94
5669M110 inch	4 5/16"	175	175	174	62	19200	10279.94
5670	4 3/8"	175	175	174	62	19200	10568.86
5671	4 7/16"	175	175	174	62	19200	10568.86
5672	4 1/2"	175	175	174	62	19200	10568.86
5674	4 5/8"	175	175	182	67	20100	11418.42
5676	4 3/4"	175	175	182	67	20100	11418.42
5678	4 7/8"	175	175	182	67	20100	11418.42
5680	5"	190	175	190	72	22200	11418.42
5682M130 inch	5 1/8"	190	175	198	76	22200	11418.42
5683	5 3/16"	190	175	198	76	22200	11418.42
5684	5 1/4"	190	175	198	76	22200	11418.42
5686	5 3/8"	200	175	198	76	23000	14273.19
5688M140 inch	5 1/2"	200	175	205	79	23000	15190.70
5690	5 5/8"	210	175	212	83	33100	16414.03
5692	5 3/4"	210	175	212	83	33100	16414.03

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
5694M150 inch	5 7/8"	210	175	212	88	33100	**16414.03**
5696	6"	220	175	214	88	36000	**17535.42**
5698	6 1/8"	220	175	214	88	36000	**17535.42**
56100	6 1/4"	220	175	218	91	36000	**19472.39**
56102	6 3/8"	230	175	218	91	40000	**19472.39**
56104M165 inch	6 1/2"	230	175	230	94	40000	**19472.39**
56106	6 5/8"	240	175	230	94	46000	**22531.12**
56108	6 3/4"	240	175	230	99	46000	**22531.12**
56110M175 inch	6 7/8"	250	175	230	99	52000	**22531.12**
56112	7"	250	175	237	104	52000	**26710.96**
56114	7 1/8"	250	175	237	104	52000	**26710.96**
56116M185 inch	7 1/4"	260	175	237	104	59000	**26710.96**
56118	7 3/8"	260	175	242	107	59000	**28240.28**
56120	7 1/2"	260	175	242	107	59000	**28240.28**
56122M195 inch	7 5/8"	270	175	246	109	62000	**28240.28**
56124	7 3/4"	270	175	249	112	62000	**30585.09**
56125M200 inch	7 13/16"	280	175	249	112	70000	**30585.09**
56126	7 7/8"	280	175	249	112	70000	**30585.09**
56128	8"	280	175	256	115	70000	**30585.09**
56130	8 1/8"	290	175	256	115	74000	**36701.99**
56132M210 inch	8 1/4"	290	175	256	115	74000	**36701.99**
56134	8 3/8"	290	175	263	120	74000	**36701.99**
56136	8 1/2"	300	175	267	122	81000	**43838.63**
56156	8 3/4"	300	175	270	124	81000	**43838.63**
56142M225 inch	8 7/8"	310	175	273	126	90000	**43838.63**
56144	9"	310	175	276	128	90000	**43838.63**
56146	9 1/8"	320	175	279	131	96000	**45775.70**
56148	9 1/4"	320	175	285	133	96000	**45775.70**
56164	10 1/4"	340	175	330	145	128000	**49275.97**

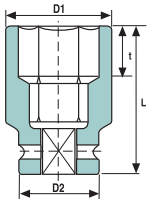
56L 3.1/2”

Cap cheie tubulara de impact 3.1/2" 6 laturi, lung

31/2" 90 mm

- *patrat de antrenare 3.1/2” DIN 3121 - forma H 90*
- *hexagon interior conform DIN 475/2*





OZAT 2000 LTD.

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
5663M100L	100	175	175	277	54	32000	**16227.15**
5666M105L	105	175	175	277	54	32000	**16227.15**
5669M110L	110	175	175	277	62	32000	**16430.92**
56M115L	115	175	175	277	62	32000	**16430.92**
56M120L	120	175	175	277	67	32000	**16736.92**
56M125L	125	175	175	277	67	32000	**16736.92**
5682M130L	130	190	175	280	76	35000	**17892.29**
56M135L	135	190	175	280	76	35000	**17892.29**
5688M140L	140	200	175	288	79	40000	**20390.00**
56M145L	145	210	175	295	83	45600	**20390.00**
5694M150L	150	210	175	295	88	45600	**21868.25**
56M155L	155	220	175	297	88	50200	**23040.23**
56M160L	160	220	175	301	91	50200	**27186.85**
56104M165L	165	230	175	313	94	56000	**27186.85**
56M170L	170	240	175	313	94	62000	**29157.80**

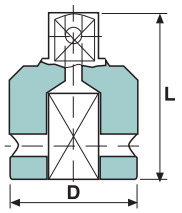
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
56110M175L	175	250	175	313	99	70000	**29157.80**
56M180L	180	250	175	320	104	70000	**35682.64**
56116M185L	185	260	175	320	104	75000	**35682.64**
56M190L	190	260	175	324	107	75000	**37381.75**
56122M195L	195	270	175	328	109	82000	**39080.97**
56125M200L	200	280	175	332	112	89000	**39080.97**
56132M210L	210	290	175	339	115	96000	**49275.97**
56M215L	215	300	175	346	120	107000	**50975.18**
56142M225L	225	310	175	357	126	116000	**54373.51**
56M230L	230	310	175	359	128	116000	**54373.51**
56M235L	235	320	175	362	131	125000	**54373.51**
5662L	3 7/8"	175	175	277	54	32000	**16227.15**
5663M100L	3 15/16"	175	175	277	54	32000	**16227.15**
5664L	4"	175	175	277	54	32000	**16227.15**
5665L	4 1/16"	175	175	277	54	32000	**16227.15**
5666M105L	4 1/8"	175	175	277	54	32000	**16227.15**
5667L	4 3/16"	175	175	277	62	32000	**16430.92**
5668L	4 1/4"	175	175	277	62	32000	**16430.92**
5669M110L	4 5/16"	175	175	277	62	32000	**16430.92**
5670L	4 3/8"	175	175	277	62	32000	**16430.92**
5671L	4 7/16"	175	175	277	62	32000	**16430.92**
5672L	4 1/2"	175	175	277	62	32000	**16430.92**
5674L	4 5/8"	175	175	277	67	32000	**16736.92**
5676L	4 3/4"	175	175	277	67	32000	**16736.92**
5678L	4 7/8"	175	175	277	67	32000	**16736.92**
5680L	5"	190	175	277	72	35000	**16736.92**
5682M130L	5 1/8"	190	175	280	76	35000	**17892.29**
5683L	5 3/16"	190	175	280	76	35000	**17892.29**
5684L	5 1/4"	190	175	280	76	35000	**17892.29**
5686L	5 3/8"	200	175	280	76	40000	**17892.29**
5688M140L	5 1/2"	200	175	288	79	40000	**20390.00**
5690L	5 5/8"	210	175	295	83	45600	**20390.00**
5692L	5 3/4"	210	175	295	83	45600	**20390.00**
5694M150L	5 7/8"	210	175	295	88	45600	**21868.25**
5696L	6"	220	175	297	88	50200	**23040.23**
5698L	6 1/8"	220	175	297	88	50200	**23040.23**
56100L	6 1/4"	220	175	301	91	50200	**27186.85**
56102L	6 3/8"	230	175	301	91	56000	**27186.85**
56104M165L	6 1/2"	230	175	313	94	56000	**27186.85**
56106L	6 5/8"	240	175	313	94	62000	**29157.80**
56108L	6 3/4"	240	175	313	99	62000	**29157.80**
56110M175L	6 7/8"	250	175	313	99	70000	**29157.80**
56112L	7"	250	175	320	104	70000	**29157.80**
56114L	7 1/8"	250	175	320	104	70000	**35682.64**
56116M185L	7 1/4"	260	175	320	104	75000	**35682.64**
56118L	7 3/8"	260	175	324	107	75000	**37381.75**
56120L	7 1/2"	260	175	324	107	75000	**39080.97**
56122M195L	7 5/8"	270	175	328	109	82000	**39080.97**
56124L	7 3/4"	270	175	332	112	82000	**39080.97**
56125M200L	7 13/16"	280	175	332	112	89000	**39080.97**
56126L	7 7/8"	280	175	332	112	89000	**39080.97**
56128L	8"	280	175	339	115	89000	**40779.99**
56130L	8 1/8"	290	175	339	115	96000	**49275.97**
56132M210L	8 1/4"	290	175	339	115	96000	**49275.97**
56134L	8 3/8"	290	175	346	120	96000	**49275.97**
56136L	8 1/2"	300	175	350	122	107000	**54373.51**
56140L	8 3/4"	300	175	354	124	107000	**54373.51**
56142M225L	8 7/8"	310	175	357	126	116000	**54373.51**
56144L	9"	310	175	359	128	116000	**54373.51**
56146L	9 1/8"	320	175	362	131	125000	**54373.51**
56148L	9 1/4"	320	175	370	133	125000	**54373.51**
56164L	10 1/4"	340	175	413	145	160000	**57771.85**

A56 3.1/2”

Adaptor de impact mama-tata 3.1/2"

• *patrat de antrenare 3.1/2” DIN 3121 - forma H 90*



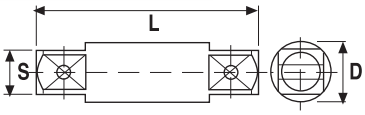


	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
A5640	3 1/2"	2 1/2"	175	183	15740	**17077.87**

Z56 3.1/2”

Adaptor de impact tata-tata 3.1/2"



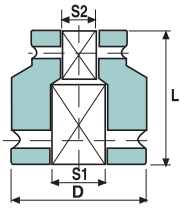


	Patrat		D	L	Greutate	
	exterior	exterior	mm	mm	gr	
Z5610	3 1/2"	3 1/2"	119	254	23000	**3057.64**
Z5620	3 1/2"	3 1/2"	119	508	44000	**8408.36**
Z5640	3 1/2"	3 1/2"	119	1016	88000	**8408.36**

AN56 3.1/2”

Adaptor de impact mama-mama 3.1/2"



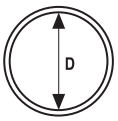


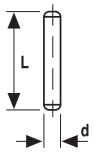
	Patrat		D	L	Greutate	
	interior	interior	mm	mm	gr	
AN5640	3 1/2"	2 1/2"	175	161	16120	**13589.41**
AN5656	3 1/2"	3 1/2"	175	167	19400	**14523.64**

PR56 3.1/2”

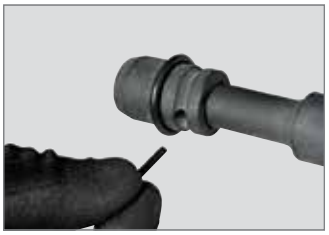
Accesorii de impact 3.1/2"







	Patrat	Tip	Q	d	L	D	
				mm	mm	mm	
P56175	3.1/2"	pin	Ø 175	10	160	-	**38.43**
R56175	3.1/2"	inel	Ø 175	-	-	160	**89.41**



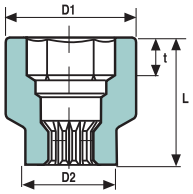




95 5-spline

Cap cheie tubulara de impact 5 SPLINE, 6 laturi, scurt





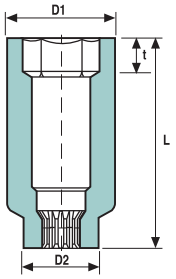
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
9512M19	19	48	60	70	9.5	840	**503.45**
95M20	20	48	60	70	10	840	**503.45**
95M21	21	48	60	70	11	840	**503.45**
95M22	22	48	60	70	11	840	**503.45**
95M23	23	48	60	70	13	840	**503.45**
95M24	24	49	60	70	13	840	**503.45**
95M25	25	49	60	70	13	840	**503.45**
95M26	26	51	60	70	13	840	**503.45**
9517M27	27	51	60	70	13	840	**503.45**
95M28	28	51	60	70	14	840	**503.45**
95M29	29	54	60	70	16.5	840	**503.45**
9519M30	30	54	60	70	16.5	840	**503.45**
95M31	31	60	60	75	16.5	950	**503.45**
95M32	32	60	60	75	17	950	**503.45**
95M33	33	60	60	75	17	950	**503.45**
95M34	34	60	60	77	19	1050	**503.45**
9522M35	35	60	60	77	19	1050	**503.45**
95M36	36	63	60	77	19	1050	**514.96**
95M37	37	63	60	77	19	1050	**514.96**
9524M38	38	63	60	80	22	1050	**514.96**
95M39	39	67	60	80	22	1200	**574.99**
95M40	40	67	60	80	22	1200	**574.99**
9526M41	41	67	60	80	22	1200	**574.99**
95M42	42	67	60	80	22	1200	**574.99**
9527M43	43	67	60	84	25	1200	**634.83**
95M44	44	73	60	84	25	1450	**634.83**
95M45	45	73	60	84	25.5	1450	**634.83**
9529M46	46	73	60	84	25.5	1450	**634.83**

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
95M47	47	73	60	84	25.5	1450	**634.83**
95M48	48	73	60	88	27	1450	**634.83**
9531M49	49	73	60	88	27	1450	**634.83**
95M50	50	82	60	88	27	1900	**634.83**
9532M51	51	82	60	88	27	1900	**634.83**
95M52	52	82	60	88	27	1900	**634.83**
9534M54	54	82	60	93	30	1900	**634.83**
95M55	55	82	60	93	30	1900	**634.83**
95M56	56	88	86	96	32	2800	**725.44**
9536M57	57	88	86	96	33	2800	**725.44**
95M58	58	88	86	96	33	2800	**725.44**
9537M59	59	88	86	96	33	2800	**725.44**
95M60	60	88	86	96	33	2800	**725.44**
95M61	61	88	86	98	35	2800	**725.44**
9539M62	62	88	86	100	35	2800	**725.44**
9541M65	65	100	86	100	35	3600	**917.52**
9542M67	67	100	86	102	38	3600	**917.52**
9544M70	70	100	86	102	38	3600	**1000.58**
9546M73	73	105	86	108	41	4100	**1249.85**
9547M75	75	105	86	108	41	4100	**1295.34**
9548M76	76	109	86	114	44	4400	**1302.61**
95M77	77	109	86	114	44	4400	**1302.61**
95M80	80	115	86	114	44	4500	**1302.61**
9512M19 inch	3/4"	48	60	70	9.5	840	**503.45**
9513	13/16"	48	60	70	11	840	**503.45**
9514	7/8"	48	60	70	13	840	**503.45**
9515	15/16"	48	60	70	13	840	**503.45**
9516	1"	49	60	70	13	840	**503.45**
9517M27 inch	1 1/16"	51	60	70	13	840	**503.45**
9518	1 1/8"	51	60	70	16.5	840	**503.45**
9519M30 inch	1 3/16"	54	60	70	16.5	840	**503.45**
9520	1 1/4"	60	60	75	17	950	**503.45**
9521	1 5/16"	60	60	77	19	1050	**503.45**
9522M35 inch	1 3/8"	60	60	77	19	1050	**503.45**
9523	1 7/16"	63	60	77	19	1050	**514.96**
9524M38 inch	1 1/2"	63	60	80	22	1050	**514.96**
9525	1 9/16"	67	60	80	22	1200	**574.99**
9526M41 inch	1 5/8"	67	60	80	22	1200	**574.99**
9527M43 inch	1 11/16"	67	60	84	25	1200	**634.83**
9528	1 3/4"	73	60	84	25.5	1450	**634.83**
9529M46 inch	1 13/16"	73	60	84	25.5	1450	**634.83**
9530	1 7/8"	73	60	88	27	1450	**634.83**
9531M49 inch	1 15/16"	73	60	88	27	1450	**634.83**
9532M51 inch	2"	82	60	88	27	1900	**634.83**
9533	2 1/16"	82	60	93	30	1900	**634.83**
9534M54 inch	2 1/8"	82	60	93	30	1900	**634.83**
9535	2 3/16"	82	60	96	32	1900	**725.44**
9536M57 inch	2 1/4"	88	86	96	33	2800	**725.44**
9537M59 inch	2 5/16"	88	86	96	33	2800	**725.44**
9538	2 3/8"	88	86	98	35	2800	**725.44**
9539M62 inch	2 7/16"	88	86	100	35	2800	**725.44**
9540	2 1/2"	100	86	100	35	3600	**917.52**
9541M65 inch	2 9/16"	100	86	100	35	3600	**917.52**
9542M67 inch	2 5/8"	100	86	102	38	3600	**917.52**
9543	2 11/16"	100	86	102	38	3600	**917.52**
9544M70 inch	2 3/4"	100	86	102	38	3600	**1000.58**
9545	2 13/16"	105	86	108	40	4100	**1150.84**
9546M73 inch	2 7/8"	105	86	108	41	4100	**1249.85**
9547M75 inch	2 15/16"	105	86	108	41	4100	**1295.34**
9548M76 inch	3"	109	86	114	44	4400	**1302.61**
9549	3 1/16"	109	86	114	44	4400	**1302.61**
9550	3 1/8"	109	86	114	44	4400	**1302.61**

95L 5-spline

Cap cheie tubulara de impact 5 SPLINE, 6 laturi, lung





OZAT 2000 LTD.

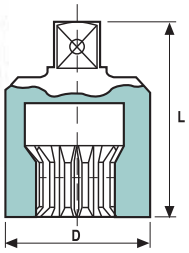
	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
9512M19L	19	48	60	160	9.5	2340	**848.52**
95M20L	20	48	60	160	10	2340	**848.52**
95M21L	21	48	60	160	11	2340	**848.52**
95M22L	22	48	60	160	11	2340	**848.52**
95M23L	23	48	60	160	13	2340	**848.52**
95M24L	24	49	60	160	13	2340	**848.52**
95M25L	25	49	60	160	13	2340	**848.52**
95M26L	26	51	60	160	13	2340	**848.52**
9517M27L	27	51	60	160	13	2340	**848.52**
95M28L	28	51	60	160	14	2340	**848.52**
95M29L	29	54	60	160	16.5	2340	**848.52**
9519M30L	30	54	60	160	16.5	2340	**848.52**
95M31L	31	60	60	160	17	2340	**848.52**
95M32L	32	60	60	160	17	2340	**848.52**
95M33L	33	60	60	160	17	2340	**848.52**
95M34L	34	60	60	160	19	2340	**848.52**
9522M35L	35	60	60	160	19	2340	**848.52**
95M36L	36	63	60	160	19	2500	**848.52**
95M37L	37	63	60	160	19	2500	**848.52**
9524M38L	38	63	60	160	22	2500	**848.52**
95M39L	39	67	60	160	22	2700	**848.52**
95M40L	40	67	60	160	22	2700	**855.88**
9526M41L	41	67	60	160	22	2700	**855.88**
95M42L	42	67	60	160	22	2700	**855.88**
9527M43L	43	67	60	160	25	2700	**937.43**
95M44L	44	73	60	160	25	3000	**937.43**
95M45L	45	73	60	160	25.5	3000	**937.43**
9529M46L	46	73	60	160	25.5	3000	**937.43**
95M47L	47	73	60	160	25.5	3000	**937.43**
95M48L	48	73	60	160	27	3000	**937.43**
9531M49L	49	73	60	160	27	3000	**937.43**
95M50L	50	82	60	160	27	3700	**1000.20**
9532M51L	51	82	60	160	27	3700	**1000.20**
95M52L	52	82	60	160	27	3700	**1000.20**
9534M54L	54	82	60	160	30	3700	**1019.55**
95M55L	55	82	60	160	30	3700	**1019.55**
95M56L	56	88	86	160	32	4800	**1217.28**
9536M57L	57	88	86	160	33	4800	**1217.28**
95M58L	58	88	86	160	33	4800	**1217.28**
9537M59L	59	88	86	160	33	4800	**1217.28**
95M60L	60	88	86	160	35	4800	**1217.28**
95M61L	61	88	86	160	35	4800	**1253.06**
9539M62L	62	88	86	160	35	4800	**1253.06**
9541M65L	65	100	86	160	35	6100	**1412.09**
9542M67L	67	100	86	160	38	6100	**1412.09**
9544M70L	70	100	86	160	38	6100	**1618.42**
9546M73L	73	105	86	160	41	6600	**1716.30**
9547M75L	75	105	86	160	41	6600	**1784.25**

	Dimensiune	D1	D2	L	t min	Greutate	
	MM/inch	mm	mm	mm	mm	gr	
9548M76L	76	109	86	162	44	7000	1835.13
95M77L	77	109	86	162	44	7000	1835.13
95M80L	80	115	86	162	44	7500	1911.58
9512M19L inch	3/4"	48	60	160	9.5	2340	848.52
9513L	13/16"	48	60	160	11	2340	848.52
9514L	7/8"	48	60	160	13	2340	848.52
9515L	15/16"	48	60	160	13	2340	848.52
9516L	1"	49	60	160	13	2340	848.52
9517M27L inch	1 1/16"	51	60	160	13	2340	848.52
9518L	1 1/8"	51	60	160	16.5	2340	848.52
9519M30L inch	1 3/16"	54	60	160	16.5	2340	848.52
9520L	1 1/4"	60	60	160	17	2340	848.52
9521L	1 5/16"	60	60	160	19	2340	848.52
9522M35L inch	1 3/8"	60	60	160	19	2340	848.52
9523L	1 7/16"	63	60	160	19	2500	848.52
9524M38L inch	1 1/2"	63	60	160	22	2500	848.52
9525L	1 9/16"	67	60	160	22	2700	855.88
9526M41L inch	1 5/8"	67	60	160	22	2700	855.88
9527M43L inch	1 11/16"	67	60	160	25	2700	937.43
9528L	1 3/4"	73	60	160	25.5	3000	937.43
9529M46L inch	1 13/16"	73	60	160	25.5	3000	937.43
9530L	1 7/8"	73	60	160	27	3000	937.43
9531M49L inch	1 15/16"	73	60	160	27	3000	937.43
9532M51L inch	2"	82	60	160	27	3700	1000.20
9533L	2 1/16"	82	60	160	30	3700	1000.20
9534M54L inch	2 1/8"	82	60	160	30	3700	1019.55
9535L	2 3/16"	82	60	160	32	3700	1019.55
9536M57L inch	2 1/4"	88	86	160	33	4800	1217.28
9537M59L inch	2 5/16"	88	86	160	33	4800	1217.28
9538L	2 3/8"	88	86	160	35	4800	1253.06
9539M62L inch	2 7/16"	88	86	160	35	4800	1253.06
9540L	2 1/2"	100	86	160	35	6100	1412.09
9541M65L inch	2 9/16"	100	86	160	35	6100	1412.09
9542M67L inch	2 5/8"	100	86	160	38	6100	1412.09
9543L	2 11/16"	100	86	160	38	6100	1474.86
9544M70L inch	2 3/4"	100	86	160	38	6100	1618.42
9545L	2 13/16"	105	86	160	40	6600	1911.58
9546M73L inch	2 7/8"	105	86	160	41	6600	1716.30
9547M75L inch	2 15/16"	105	86	160	41	6600	1784.25
9548M76L inch	3"	109	86	162	44	7000	1835.13
9549L	3 1/16"	109	86	162	44	7000	1911.58
9550L	3 1/8"	109	86	162	44	7000	1911.58

A95 5-spline

Adaptor de impact mama-tata 5 SPLINE



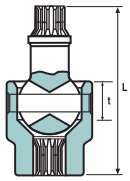


	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
A9516	5 Spline	1"	60	90	940	1274.02
A9516	5 Spline	1 1/2"	60	100	1250	1613.88

U95 5-spline

Intermediar cardanic de impact 5 SPLINE



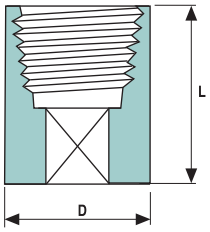


	Patrat		D	L	Greutate	
	interior	exterior	mm	mm	gr	
U9595	5 Spline	5 Spline	67	180	2300	2378.14

LU 5-spline

Cheie tubulara de impact 1/2" pentru demontat prezoane





	D	D	L	Greutate	
	mm	mm	mm	gr	
LU08M17	17	24	38	90	136.11
LU08M18	18.5	25	38	90	136.11
LU08M20	20	26	38	95	136.11
LU08M21	21.5	28.5	38	105	142.45
LU08M23	23	30	38	120	142.45
LU08M24	24.5	31	38	140	146.73
LU08M26	26	32	38	150	146.73

SET-025

Trusa capete tubulare de impact 1/2" pentru demontat prezoane 17-26 mm/4 piese



	Dimensiune	
SET-025	17-26 mm / 4 piese 17.0, 18.5, 21.5, 26.0	587.43

SET-026

Trusa capete tubulare de impact 1/2" pentru demontat prezoane 17-26 mm/7 piese

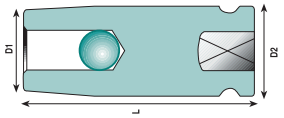


	Dimensiune	
SET-026	17-26 mm / 7 piese 17.0, 18.5, 20.0, 21.5, 23.0, 24.5, 26.0	985.87

ST06 3/8” / 1/2”

Cheie tubulara impact 3/8" si 1/2” pentru demontat si montat stifturi filetate





OZAT 2000 LTD.

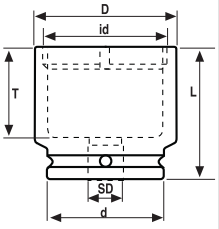
Patrat	S	D1	D2	L	Greutate	
	mm	mm	mm	mm	gr	
ST06M05	3/8" M5 x P0.5	12	19	50	70	142.45
ST06M06	3/8" M6 x P1.0	12.5	19	50	70	142.45
ST06M08	3/8" M8 x P1.25	14.5	19	50	70	142.45
ST08M08 X 1.25	1/2" M8 x P1.25	15	25	75	135	180.44
ST08M10 X 1.25	1/2" M10 x P1.25	18	25	75	135	180.44
ST08M12 X 1.25	1/2" M12 x P1.25	21	25	75	140	188.93
ST08M12 X 1.75	1/2" M12 x P1.75	19	25	75	140	188.93
ST08M14 X 1.50	1/2" M14 x P1.5	23	25	75	150	193.57
ST08M14 X 2.00	1/2" M14 x P2.0	22	25	75	150	193.57
ST08M16 X 2.00	1/2" M16 x P2.0	27	30	75	240	224.63

KM

Cheie tubulara pentru piulite canelate

• tubularele cu pini se utilizeaza pentru demontarea si montarea piulitelor rotunde canelate cum sunt cele de tip KM intalnite la rulmenti de la roata , flanse de transmisie , butucul de la roata si cutii de viteze .
• datorita formei speciale pe care o are tubulara , acesta nu deterioreaza piulita in procesul de demontare si montare .





OZAT 2000 LTD.

Patrat	D	d	D	T	id	Greutate	
	mm	mm	mm	mm	mm	gr	
KM0	3/8"	22	19	57	44	18.1	90	263.58
KM1	3/8"	30	19	57	44	22.1	110	263.58
KM2	1/2"	32	30	82	60	25.2	290	263.58
KM3	1/2"	35	30	82	60	28.2	336	282.76
KM4	1/2"	38	30	82	60	32.2	389	282.76
KM5	1/2"	44	35	82	60	38.2	500	305.41
KM6	1/2"	52	35	82	60	45.2	654	339.05
KM7	1/2"	60	38	82	60	52.2	849	357.86
KM8	1/2"	67	38	82	60	58.3	1021	376.67
KM9	3/4"	73	44	90	62	65.4	1231	546.71
KM10	3/4"	78	44	90	62	70.4	1300	565.30
KM11	3/4"	82	54	90	62	75.4	1500	584.11
KM12	3/4"	88	54	90	62	80.4	1620	603.07
KM13	3/4"	96	60	90	62	85.4	2000	622.03
KM14	1"	103	86	110	74	92.5	3490	1431.89
KM15	1"	109	86	110	74	98.5	3680	1431.89
KM16	1"	115	86	110	74	105.6	3810	1469.51
KM17	1"	121	86	110	74	110.6	3970	1754.04
KM18	1"	130	86	110	74	120.3	4450	2147.75
KM19	1"	135	86	110	74	125.6	4540	2505.84
KM20	1"	145	86	110	74	130.6	5150	3085.08

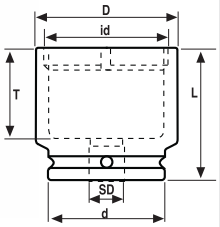
GU

NOU

Cheie tubulara pentru piulite canelate

• tubularele cu pini se utilizeaza pentru demontarea si montarea piulitelor rotunde canelate
• datorita formei speciale pe care o are tubulara , acesta nu deterioreaza piulita in procesul de demontare si montare .





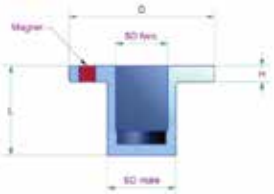
OZAT 2000 LTD.

Patrat	D	d	D	T	id	Greutate	
	mm	mm	mm	mm	mm	gr	
GU0	3/8"	22	19	57	44	18.1	90	342.44
GU1	3/8"	30	19	57	44	22.1	110	342.44
GU2	1/2"	32	30	82	60	25.2	290	342.44
GU3	1/2"	35	30	82	60	28.2	336	367.67
GU4	1/2"	38	30	82	60	32.2	389	367.67
GU5	1/2"	44	35	82	60	38.2	500	396.89
GU6	1/2"	52	35	82	60	45.2	654	440.78
GU7	1/2"	60	38	82	60	52.2	849	465.20
GU8	1/2"	67	38	82	60	58.3	1021	489.61
GU9	3/4"	73	44	90	62	65.4	1231	710.56
GU10	3/4"	78	44	90	62	70.4	1300	734.90
GU11	3/4"	82	54	90	62	75.4	1500	817.82
GU12	3/4"	88	54	90	62	80.4	1620	844.23
GU13	3/4"	96	60	90	62	85.4	2000	870.64
GU14	1"	103	86	110	74	92.5	3490	2004.71
GU15	1"	109	86	110	74	98.5	3680	2004.71
GU16	1"	115	86	110	74	105.6	3810	2057.31
GU17	1"	121	86	110	74	110.6	3970	2455.45
GU18	1"	130	86	110	74	120.3	4450	3667.35
GU19	1"	135	86	110	74	125.6	4540	3508.08
GU20	1"	145	86	110	74	130.6	5150	4319.04

NOU

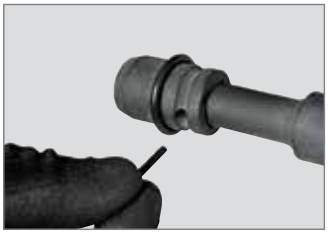
Adaptor de impact mama-tata





OZAT 2000 LTD.

Patrat		D	L	H	Greutate	
interior	exterior	mm	mm	mm	gr	
AS0406	1/4"	3/8"	22	14.2	4	16	224.48
AS0608	3/8"	1/2"	30	20	4.5	36	208.03
AS0812	1/2"	3/4"	44	29	6	108	286.82
AS1216	3/4"	1"	54	33	6	162	422.34
AS1624	1"	1-1/2"	84	45	8	569	1711.25
AS2440	1-1/2"	2-1/2"	137	65	10	2290	4310.26



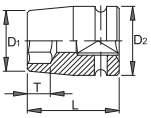


CS 700

Capete chei tubulare de impact cu manson CoverS 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: Hexagon DIN / ISO 691*





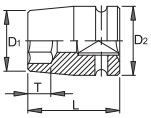
		D2	D1	L	T			
1000470004	5	14,5	9,3	23	5,0	1C	1	384.27
1000470005	5,5	14,5	11,0	23	5,0	1C	1	384.27
1000470006	6	14,5	11,5	23	6,0	1C	1	384.27
1000470007	7	14,5	12,8	23	6,0	1C	1	393.51
1000470008	8	14,5	14,0	23	6,0	1C	1	393.51
1000470010	10	14,5	16,5	23	7,0	1C	1	421.76
1000470013	13	14,5	20,3	23	8,0	1C	1	468.63

CS 700 M

Capete chei tubulare de impact cu magnet si manson CoverS 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: Hexagon DIN / ISO 691*





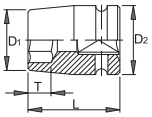
		D2	D1	L	T			
1000470030	5	14,5	9,3	23	3,0	1C	1	403.01
1000470031	5,5	14,5	11,0	23	3,0	1C	1	403.01
1000470032	6	14,5	11,5	23	3,0	1C	1	403.01
1000470033	7	14,5	12,8	23	3,0	1C	1	412.39
1000470034	8	14,5	14,0	23	3,0	1C	1	440.45
1000470036	10	14,5	16,5	23	4,0	1C	1	459.13
1000470038	13	14,5	20,3	23	5,0	1C	1	496.75

CS 700 SF

Capete chei tubulare de impact cu profil de protectie si manson CoverS 1/4"

- *material: crom molibden*
- *actionare: patrat 1/4"*
- *conform DIN 3121 - G 6.3*
- *deschidere: Hexagon DIN / ISO 691*





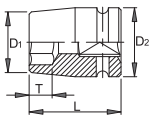
		D2	D1	L	T			
1000470065	7	14,5	12,8	23	6,0	1C	1	393.51
1000470066	8	14,5	14,0	23	7,0	1C	1	393.51
1000470068	10	14,5	16,5	23	7,0	1C	1	421.76
1000470070	13	14,5	20,3	23	8,0	1C	1	477.88

CS 710

Capete chei tubulare de impact cu manson CoverS 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





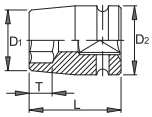
		D2	D1	L	T			
1000471014	10	20,5	17,5	30	7,0	1C	1	459.13
1000471017	13	23,5	21,5	30	9,0	1C	1	487.32
1000471018	14	23,5	22,5	30	9,0	1C	1	487.32
1000471019	15	23,5	23,5	30	11,0	1C	1	487.32
1000471021	17	23,5	26,5	30	11,0	1C	1	487.32

CS 710 M

Capete chei tubulare de impact cu manson si magnet CoverS 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





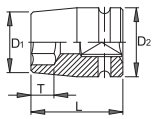
		D2	D1	L	T			
1000471032	10	20,5	17,5	30	4,0	1C	1	487.32
1000471035	13	23,5	21,5	30	5,0	1C	1	515.37
1000471036	14	23,5	22,5	30	6,0	1C	1	515.37
1000471037	15	23,5	23,5	30	6,0	1C	1	515.37
1000471039	17	23,5	26,5	30	6,0	1C	1	515.37

CS 710 L

Capete chei tubulare de impact lungi cu manson CoverS 3/8"

- *material: crom molibden*
- *actionare: patrat 3/8"*
- *conform DIN 3121 - G 10*
- *deschidere: Hexagon DIN / ISO 691*





		D2	D1	L	T			
1000471052	10	20,5	17,3	50	8,0	1C	1	562.37
1000471055	13	23,5	21,0	50	11,0	1C	1	562.37
1000471056	14	23,5	22,3	50	12,0	1C	1	581.05
1000471058	17	23,5	25,9	50	15,0	1C	1	609.11

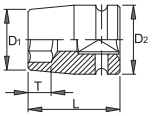


CS 720

Capete chei tubulare de impact cu manson CoverS 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12.5*
- *deschidere: Hexagon DIN / ISO 691*





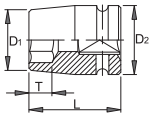
		D2	D1	L	T			
1000472005	13	26,4	22,5	38	10,0	1C	1	515.37
1000472008	16	31,5	26,5	38	11,0	1C	1	515.37
1000472009	17	31,5	27,5	38	12,0	1C	1	515.37
1000472012	19	31,5	29,5	38	13,0	1C	1	515.37
1000472016	22	31,5	34,0	38	13,0	1C	1	571.62
1000472017	24	31,5	36,5	45	14,0	1C	1	590.43
1000472018	27	31,5	40,5	50	16,0	1C	1	684.17

CS 720 M

Capete chei tubulare de impact cu manson si magnet CoverS 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12.5*
- *deschidere: Hexagon DIN / ISO 691*





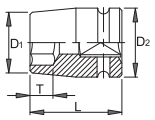
		D2	D1	L	T			
1000472034	13	26,4	22,5	38	5,0	1C	1	557.62
1000472037	16	31,5	26,5	38	6,0	1C	1	562.37
1000472038	17	31,5	28,5	38	7,0	1C	1	571.62
1000472040	19	31,5	30,5	38	7,0	1C	1	571.62

CS 720 SF

Capete chei tubulare de impact cu manson si profil de protectie CoverS 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12.5*
- *deschidere: Hexagon DIN / ISO 691*





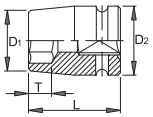
		D2	D1	L	T			
1000472113	13	26,4	22,5	38	10,0	1C	1	524.81
1000472115	16	31,5	26,5	38	11,0	1C	1	524.81
1000472116	17	31,5	27,5	38	12,0	1C	1	524.81

CS 720 L

Capete chei tubulare de impact lungi cu manson CoverS 1/2"

- *material: crom molibden*
- *actionare: patrat 1/2"*
- *conform DIN 3121 - G 12.5*
- *deschidere: Hexagon DIN / ISO 691*





		D2	D1	L	T			
1000472062	13	26,5	22,5	78	12,0	1C	1	740.35
1000472064	16	31,5	26,5	78	12,0	1C	1	740.35
1000472065	17	31,5	27,5	78	13,0	1C	1	759.09
1000472067	19	31,5	30,2	78	13,0	1C	1	759.09
1000472069	22	31,5	33,5	78	13,0	1C	1	768.40

CS 330

Adaptor hexagon exterior 1/4"- patrat exterior 3/8" cu manson CoverS

- *material: crom molibden*
- *actionare: 1/4" hexagon, DIN/ISO 1173-Forma E 6,3*
- *conform DIN 3121 - Forma E*
- *deschidere: patrat DIN 3121-Forma E siguranta pin cu arc*



	E	A	L	Ø				
1000403305	1/4"	3/8"	50	-		1C	1	393.51
1000403307	1/4"	3/8"	102	-		1C	1	618.55

Tabel compatibilitate prindere biti si masini



1/4"

DIN 3126, Form C 6,3 - ISO 1173
Bosch, Fein, Holz-Her, Lecureux, Metabo



5/16"

DIN 3126, Form C 8 - ISO 1173
Bosch, Fein, Holz-Her, Lecureux, Metabo



1/4"

DIN 3126, Form C 6,3 - ISO 1173
AEG, Atlas Copco, Biax, Black & Decker, Bosch, Buckeye Tools, Chicago Pneumatic, Deprag, Desoutter, Gardner Denver, Hitachi, Makita, Metabo, Rockwell, Skil Tool, Stanley, Virax



11 mm

DIN 3126, Form E 11.2 mm - ISO 1173
AEG, Atlas Copco, Biax, Black & Decker, Bosch, Buckeye Tools, Chicago Pneumatic, Fein, Holz-Her, Ingersoll-Rand, Milwaukee, Rotor Tool, Star, Stanley, Virax



7 mm

DIN 3126, Form E G 7 - ISO 1173
Baier, Fein



5.5 mm

DIN 3126, Form A 5.5 - ISO 1173
AEG, Bosch, Holz-Her, Kress, Metabo



5/16"

Buckeye Tools, Demag Pokorny, Desoutter, Fiam, Grasso, Suhner



M 4 - M 6
& 10-32 UNF

Böllhof / Uniquick, Holz-Her, USM, DVSG, Duofast



SDS-plus®

AEG, Atlas Copco, Bosch, Hitachi, Kress, Metabo

CS 340

Adaptor hexagon exterior 7/16”- patrat exterior 3/8” cu manson CoverS

- *material: crom molibden*
- *actionare: hexagon 7/16 ", DIN / ISO 1173-Forma E 11.2*
- *conform DIN 3121 - Forma E*
- *deschidere: patrat DIN 3121-Forma E siguranta pin cu arc*



	E	A	L	Ø				
1000403402	7/16”	3/8”	75	-		1C	1	**440.45**
1000403405	7/16”	1/2”	70	-		1C	1	**477.88**

CS 520

Adaptor patrat interior 1/2”- patrat exterior 1/2” cu manson CoverS

- *material: crom molibden*
- *actionare: patrat 1/2 ", DIN 3121 - Forma G 12,5*
- *deschidere: patrat DIN 3121 Forma E siguranta pin cu arc*



	E	A	L	Ø				
1000405202	1/2”	1/2”	75	25		1C	1	**467.67**
1000405205	1/2”	1/2”	250	25		1C	1	**824.58**

CS 510

Adaptor patrat interior 3/8”- patrat exterior 3/8” cu manson CoverS

- *material: crom molibden*
- *actionare: patrat 3/8 ", DIN 3121 Forma G 10*
- *conform DIN 3121 - Forma E*
- *deschidere: patrat DIN 3121-Forma E siguranta pin cu arc*



	E	A	L	Ø				
1000405102	3/8”	3/8”	75	19		1C	1	**440.45**
1000405104	3/8”	3/8”	200	22		1C	1	**796.46**

CS 810

Adaptor hexagon exterior E 6,3 - hexagon interior D 6,3 cu magnet si manson CoverS

- *material: crom molibden*
- *actionare: hexagon 1/4", DIN / ISO 1173 Forma E 6,3*
- *conform DIN 3121 - Forma E*
- *deschidere: hexagon interior 1/4" DIN / ISO 1173 - D 6.3*



	E	A	L	Ø				
1000408101	E 6,3	D 6,3	75	13		1C	1	**727.63**
1000408112	E 6,3	D 6,3	100	13		1C	1	**732.13**
1000408113	E 6,3	D 6,3	150	13		1C	1	**745.35**



Cover S - un nou sistem de siguranta de la ASW

CoverS este un sistem de manson special dezvoltat pentru rotire impotriva deteriorării produsului în timpul procesului de asamblare.

» *Protejeaza impotriva daunelor!*
» *Creste siguranta muncii!*
» *Reduce costurile!*

Surub	Dimensiune	Toleranta	
	3mm	3.02	3.08
	1/8"	3.19	3.25
M2	4mm	4.02	4.12
	3/16"	4.78	4.88
M2.5	5mm	5.02	5.12
M3	5.5mm	5.53	5.63
M3.5	6mm	6.03	6.15
	1/4"	6.38	6.50
M4	7mm	7.03	7.15
	5/16"	7.96	8.11
M5	8mm	8.03	8.18
	1/8"BSW	8.62	8.77
	9mm	9.03	9.18
	3/8"	9.55	9.70
M6	10mm	10.04	10.24
M7	11mm	11.04	11.24
1/4"UNF	7/16"	11.15	11.35
	3/16"BSW	11.34	11.54
	12mm	12.04	12.30
5/16"UNF	1/2"	12.74	13.00
M8	13mm	13.04	13.30
	1/4"BSW	13.38	13.64
	14mm	14.05	14.35
3/8"UNF	9/16"	14.33	14.63
	15mm	15.05	15.35
	5/16"BSW	15.29	15.59
7/16"UNF	5/8"	15.92	16.22
	16mm	16.05	16.35
M10	17mm	17.05	17.40
7/16"UNF	11/16"	17.51	17.86
	18mm	18.05	18.40
	3/8"BSW	18.08	18.43
M12	19mm	19.06	19.46
1/2"UNF	3/4"	19.11	19.51
	20mm	20.06	20.46
9/16"B-UNF	13/16"	20.69	21.09
	7/16"BSW	20.89	21.29
	21mm	21.06	21.46
M14	22mm	22.06	22.46
1/2"UNC	7/8"	22.28	22.68
	23mm	23.06	23.46

Surub	Dimensiune	Toleranta	
	1/2"BSW	23.43	23.83
5/8"UNF	15/16"	23.87	24.27
M16	24mm	24.06	24.46
	25mm	25.06	25.46
	1"	25.46	25.86
	9/16"BSW	25.73	26.23
	26mm	26.08	26.58
5/8"UNC	1-1/16"	27.06	27.56
M18	27mm	27.08	27.58
	28mm	28.08	28.58
	5/8"BSW	28.11	28.61
3/4"UNF	1-1/8"	28.65	29.15
	29mm	29.08	29.58
M20	30mm	30.08	30.58
	1-3/16"	30.24	30.74
	11/16"BSW	30.56	31.06
	31mm	31.08	31.58
3/4"UNC	1-1/4"	31.83	32.33
M22	32mm	32.08	32.58
	33mm	33.08	33.58
	3/4"BSW	33.10	33.60
7/8"UNF	1-5/16"	33.41	33.91
	34mm	34.08	34.58
	1-3/8"	35.00	35.50
	35mm	35.08	35.58
	13/16"BSW	35.39	35.89
M24	36mm	36.10	36.70
7/8"UNC	1-7/16"	36.61	37.22
	7/8"BSW	37.69	38.29
	38mm	38.10	38.70
1"UNF	1-1/2"	38.20	38.80
	1-9/16"	39.78	40.38
	40mm	40.10	40.70
	15/16"BSW	40.25	40.85
M27	41mm	41.10	41.70
1"UNC	1-5/8"	41.37	41.97
	42mm	42.10	42.70
	1"BSW	42.52	43.12
1-1/8"UNF	1-11/16"	42.96	43.56
	43mm	43.10	43.70
	44mm	44.10	44.70

Surub	Dimensiune	Toleranta	
	1-3/4"	44.55	45.15
	45mm	45.10	45.70
M30	46mm	46.10	46.70
1-1/8"UNC	1-13/16"	46.13	46.73
	47mm	47.10	47.70
	1-1/8"BSW	47.34	47.94
1-1/4"UNF	1-7/8"	47.72	48.32
	48mm	48.10	48.70
	49mm	49.10	49.70
	1-15/16"	49.31	49.91
M33	50mm	50.10	50.70
1-1/4"UNC	2"	50.90	51.50
	51mm	51.10	51.70
	52mm	52.10	52.70
	1-1/4"BSW	52.17	52.77
1-3/8"UNF	2-1/16"	52.40	53.00
	2-1/8"	54.07	54.67
	54mm	54.10	54.70
M36	55mm	55.12	55.92
1-3/8"UNC	2-3/16"	55.68	56.48
	56mm	56.12	56.92
	1-3/8"BSW	56.51	57.31
	57mm	57.12	57.92
1-1/2"UNF	2-1/4"	57.27	58.07
	2-5/16"	58.85	59.65
M39	60mm	60.12	60.92
1-1/2"UNC	2-3/8"	60.44	61.24
	1-1/2"BSW	61.33	62.13
1-5/8"UNF	2-7/16"	62.03	62.83
	2-1/2"	63.62	64.42
M42	65mm	65.12	65.92
1-5/8"UNC	2-9/16"	65.20	66.00
	1-5/8"BSW	65.65	66.45
	66mm	66.12	66.92
1-3/4"UNF	2-5/8"	66.79	67.59
	2-11/16"	68.38	69.18
1-3/4"UNC	2-3/4"	69.97	70.77
M45	70mm	70.12	70.92
	1-3/4"BSW	70.22	71.02
1-7/8"UNF	2-13/16"	71.55	72.35
	73mm	73.12	73.92

Surub	Dimensiune	Toleranta	
	2-7/8"	73.14	73.94
1-7/8"UNC	2-15/16"	74.73	75.53
M48	75mm	75.15	76.15
2"UNF	3"	76.35	77.35
	1-7/8"BSW	76.85	77.85
	77mm	77.15	78.15
	3-1/16"	77.94	78.94
	78mm	78.15	79.15
2"UNC	3-1/8"	79.52	80.52
M52	80mm	80.15	81.15
	2"BSW	80.16	81.16
	3-3/16"	81.11	82.11
	3-1/4"	82.70	83.70
	3-5/16"	84.28	85.28
M56	85mm	85.15	86.15
2-1/4"UNF	3-3/8"	85.87	86.87
	3-7/16"	87.46	88.46
2-1/4"UNC	3-1/2"	89.05	90.05
M60	90mm	90.15	91.15
	2-1/4"BSW	90.15	91.15
	3-9/16"	90.63	91.63
	3-5/8"	92.22	93.22
	3-11/16"	93.81	94.81
M64	95mm	95.15	96.15
2-1/2"UNF	3-3/4"	95.40	96.40
2-1/2"UNC	3-7/8"	98.57	99.57
	2-1/2"BSW	99.15	100.15
M68	100mm	100.15	101.15
	3-15/16"	100.16	101.16
	4"	101.75	102.75
	4-1/16"	103.33	104.33
	4-1/8"	104.92	105.92
M72	105mm	105.20	106.40
	2-3/4"BSW	106.38	107.58
	4-3/16"	106.56	107.76
2-3/4"UNC	4-1/4"	108.15	109.35
	4-5/16"	109.73	110.93
M76	110mm	110.20	111.40
	4-3/8"	111.32	112.52
	4-7/16"	112.91	114.11
	4-1/2"	114.50	115.70

Surub	Dimensiune	Toleranta	
M80	115mm	115.20	116.40
	3"BSW	115.27	116.47
	4-9/16"	116.08	117.28
3"UNC	4-5/8"	117.67	118.87
	4-11/16"	119.26	120.46
M85	120mm	120.20	121.40
	4-3/4"	120.85	122.05
	4-13/16"	122.43	123.63
	3-1/4"BSW	123.52	124.72
	4-7/8"	124.02	125.22
	125mm	125.20	126.40
	4-15/16"	125.61	126.81
3-1/4"UNC	5"	127.20	128.40
	5-1/16"	128.78	129.98
M90	130mm	130.20	131.40
	5-1/8"	130.37	131.57
	3-1/2"BSW	131.78	132.98
	5-3/16"	131.96	133.16
	5-1/4"	133.55	134.75
	5-5/16"	135.13	136.33
M95	135mm	135.20	136.40
3-1/2"UNC	5-3/8"	136.72	137.92
	5-7/16"	138.31	139.51
	5-1/2"	139.90	141.10
	140mm	140.20	141.40
	3-3/4"BSW	141.30	142.50
	5-9/16"	141.48	142.68
	5-5/8"	143.07	144.27
	5-11/16"	144.66	145.86
M100	145mm	145.20	146.40
3-3/4"UNC	5-3/4"	146.25	147.45
	5-13/16"	147.83	149.03
	5-7/8"	149.42	150.62
M105	150mm	150.20	151.40
	5-15/16"	151.01	152.21
	4"BSW	151.46	152.66
	6"	152..60	153.80
M110	155mm	155.20	155.20
4"UNC	6-1/8"	155.78	156.98



CLESTI

Manere ergonomice
Datorita manerelor ergonomice si a suprafetelor de prindere special concepute, clestii Unior asigura un confort de lucru si o eficacitate maxima, cu un minim de efort

Protectia suprafetelor
Clestii sunt fabricati din otel de calitate excelenta cu o compozitie special optimizata. Mai multe modele au suplimentar protectie prin cromare

Inalta precizie
Multumita conceptiei perfecte si a superioritatii tehnologice, clestii Unior asigura o prindere de inalta precizie in toate cazurile, pentru folosire generala sau specializata.

UNIOR® EGA Master ART IN INNOVATION

O procedura speciala de producere a clestilor

1. Taiere: O placa de otel este decupata in forma dorita cu ajutorul unei masini de decupat. Forma este astfel conceputa incat sa nu existe material irosit, optimizand in acest fel folosirea unui material de calitate, indispensabil fabricarii sculelor de calitate



2. Forjeaza: Forma taiata este incalzita si pusa intr-o scula de forjare la cald, unde este formata de masina de forjat in produsul dorit : o pereche de falci. Dupa forjare, falcile sunt inca acoperite de material de rezerva. In procesul de forjare, materialul este incalzit si format astfel incat liniile interioare de forta sunt directionate intr-un fel care da cele mai bune proprietati de rezistenta si forta pentru incarcari dificile si dinamice mari



3. Debavurare: Eliminarea materialului suplimentar de pe partile forjate ale produsului este facuta folosind o scula dedicata, care decupeaza formele dorite. Pentru a efectua mai bine aceasta operatie, anumite produse sunt incalzite ca sa reduca deformarea mecanica a piesei, asigurand in acest fel clestelui o baza perfecta pentru prelucrarile mecanice ulterioare

4. Procesarea articulatiei: Gaura pivotului este facuta de o masina CNC dedicata, care frezeaza in acelasi timp suprafetele in contact din jurul articulatiei, asigurand clestelui o miscare de pivotare precisa si durabila



5. Brosare: Suprafata complexa a clestilor este fasonata cu o scula de fasonat dedicata, cu deplasare liniara. Aceasta etapa include profilarea in acelasi timp a razelor exterioare ale articulatiei si a dintilor falcilor ceea ce permite o priza perfecta pe obiecte de diferite forme.



6. Uzinarea muchiilor taietoare: Muchiile taietoare sunt realizate folosind o masina specializata CNC. Realizarea lor trebuie sa fie de cea mai mare precizie astfel incat sa se asigure potrivirea perfecta atunci cand falcile sunt asamblate

7. Nituire: Clestii sunt asamblati si uniti printr-un nit. In acest stadiu este esential sa se asigure ca articulatie este suficient de stransa, permitand in acelasi timp falcilor sa se miste usor dar fara jocuri.



8. Polizarea umeda: In acest stadiu, suprafetele clestilor sunt slefuite astfel incat sa se elimine toate diferentele de inaltime care pot aparea ca o consecinta a tolerantelor de grosime la forjare sau in celelalte operatiuni mecanice, inclusiv nituirea

9. Fasonare: Suprafetele netratate inca sunt acum fasonate cu o masina cu banda abraziva, pentru obtinerea unei calitati a suprafetei superioare celei obtinute la forjare. Clestii au in acest moment forma finala, dar anumite suprafete inca rugoase trebuiesc slefuite.



Clesti combinati 175
Clesti taietori 177
Clesti cu varf plat si rotund 179
Clesti multifunctionali 181
Clesti de sertizat 182
Clesti pentru inele de siguranta 188
Clesti pentru tamplari 190
Clesti de perforat 191
Clesti de strangere 191
Clesti nituri pop 193



10. Calire si revenire: Tratamentul termic al clestilor este realizat prin calirea in ulei, urmata de o revenire. Acest tip de tratament termic garanteaza materialului structura cea mai buna posibila, dand astfel produsului finit proprietati excelente de duritate. Un tratament termic de calitate confera clestilor o durata lunga de viata

11. Sablare: In acest stadiu, suprafetele produsului sunt sablate ca sa se elimine atat rugozitatile restante cat si oxizii care apar in timpul tratamentului termic. Suprafetele sablate sunt in consecinta netede uniform, imbunatatind aspectul produselor. Anumite suprafete sunt retratate mai precis intr-un stadiu ulterior pentru a crea contraste

12. Tratarea prin inductie: Partile taietoare ale clestilor se trateaza suplimentar prin inductie - CIF - acest tratament asigurand pe zona taisului duritati foarte mari - aprox. 62 HRc - incat sa permita utilizatorului sa taie chiar si cele mai tari fire fara sa strice sau sa strambe muchiile taietoare.

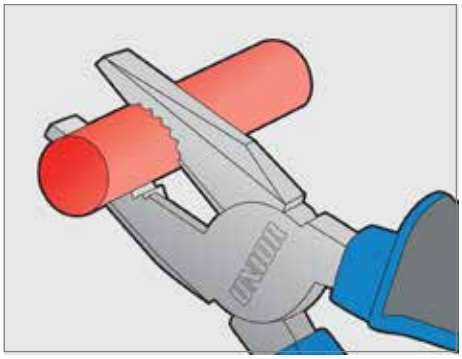
13. Polizare fina: Anumite suprafete din capetele clestilor sunt polizate de o masina cu banda abraziva ca sa fie perfect lise, ceea ce are ca efect ameliorarea suplimentara a aspectului clestilor si usurarea curatarii acestora.

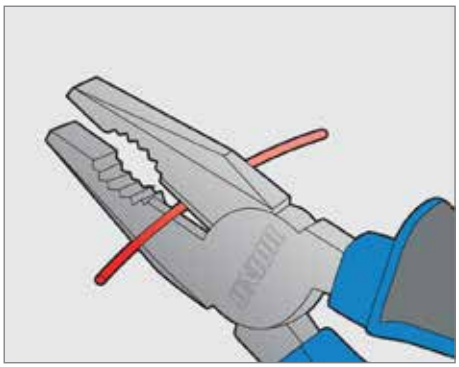
14. Cromare si lustruire: Clestii sunt galvanizati cu un strat subtire de nichel si crom pentru a le proteja contra oxidarii. Aceasta da produsului un aspect mai estetic, cu suprafete argintii stralucitoare. Suprafetele cromate dau de asemenea clestilor mai multa rezistenta si durabilitate

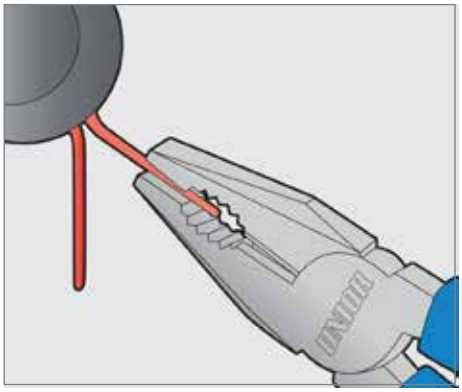
15. Marcaj cu laser: Folosind procedeul modern de marcare cu laser, clestii sunt inscriptionati cu semnele de identificare. Pentru anumite tipuri de clesti, aceste marcaje pot servi si pentru a ajuta utilizatorul sa aleaga anumiti parametri

16. Montarea manerelor izolate: Clestii sunt dotati cu manere de plastic pentru a asiugra o priza ferma si ergonomica. Suprafetele de contact ale celor doua manere sunt tratate pentru a asigura utilizarea unei prinderi opime, indiferent de conditiile de lucru.

17. Lubrefiere si control: Suprafetele care sunt in contact la nivelul articulatiei sunt lubrefiate pentru a asigura clestilor o miscare usoara si durabila. In acest stadiu final, verificam de asemenea daca produsul are toate calitatile si caracteristicile vizuale necesare astfel incat clestii Unior sa raspunda cerintelor celor mai exigenti utilizatori.







402A

Set de clesti in cutie de carton



617818	3	1070	1G	1	345.74

406/1BI (180), 461/1BI (160), 445/1BI (240)

402B

Set de clesti in cutie de carton



617933	3	1030	1G	1	272.79

406/4G (180), 461/4G (160), 445/4G (240)



407/4P

Cleste pentru suruburi

- *clestele utilizat pentru a desface suruburile care au profilul capului deteriorat si nu pot fi desfacute cu unelte standard*
- *deteriorarea profilului surubului se acumuleaza de obicei atunci cand suruburile sunt blocate din cauza lipirii sau coroziunii si a deteriorarii profilului capului de surub.*
- *clestele are dantura uzinata atat vertical cat si orizontal*
- *dintii sunt puternici si foarte ascutiti si dau o aderenta excelenta pe capul surubului indiferent de profilul sau*
- *clestii pot fi folositi pe suruburi cu diametrul capului de la 3 pana la 11 mm*
- *material: otel carbon Premium plus*
- *forjat la cald, in intregime calit si revenit*
- *finisarea suprafetei capului: polizat fin*
- *finisarea suprafetei: fosfatat conform standard ISO 9717*
- *manere plastizolate*

Avantaje:

- *falci dublu zimtate, orizontal si vertical*
- *uz multifunctional*
- *pentru suruburi cu diametrul capului de la 3 la 11 mm*
- *lungimea bratelor clestelui usureaza desurubare*





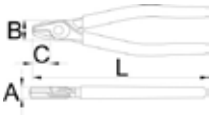
Φ 3～Φ11mm











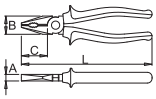
628800	170	19.2	25	11	149	4B	10	143.11

405/1BI

Cleste combinat maner bimateial

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5746*





	L	B	C	A				
607867	160	24	35	9.5	224	4B	10	100.49
607868	180	27	38	10	273	4B	10	108.52
607869	200	29	41	10.5	351	4B	10	116.72

capacitatea de taiere (10N=1kg)

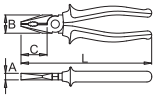
	L	max 1600 N/mm² ØT	max 650 N/mm² ØT
607867	160	1,6	2,0
607868	180	1,8	2,5
607869	200	2,0	2,5

406/1BI

Cleste combinat

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *marcaj injectat UNIOR*
- *in conformitate cu standardul ISO 5746*





	L	B	C	A				
607870	160	24	35	9.5	224	4B	10	94.75
607871	180	27	38	10	274	4B	10	99.84
607872	200	29	41	10.5	341	4B	10	110.00
608354	220	32	47	11	421	4B	10	129.84

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² ØT	max 650 N/mm² ØT
607870	160	1,6	2,0
607871	180	1,8	2,5
607872	200	2,0	2,5
608354	220	2,0	3,0

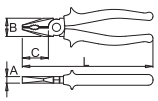


406/4G

Cleste combinat

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare*
- *maner de plastic pentru conditii grele*
- *in conformitate cu standardul ISO 5746*





UNIOR

	L	B	C	A				
608673	140	23	32	8	157	4B	10	**68.52**
608674	160	24	35	9.5	224	4B	10	**70.66**
608675	180	27	38	10	274	4B	10	**75.90**
608676	200	29	41	10.5	341	4B	10	**80.00**
608677	220	32	47	11	421	4B	10	**96.56**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² ØT	max 650 N/mm² ØT
608673	140	1,6	2,0
608674	160	1,6	2,0
608675	180	1,8	2,5
608676	200	2,0	2,5
608677	220	2,0	3,0

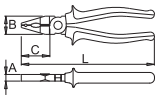


420/1BI

Cleste combinat cu gaura

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*





UNIOR

	L	B	C	A				
607873	180	24	45	11	241	4B	10	**141.64**

capacitatea de taiere (10N=1kg)

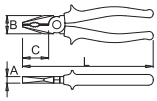
	L	max 1600 N/mm² ØT	max 650 N/mm² ØT
607873	180	1,8	2,5

405/4G

Cleste combinat

- *material: compozitie speciala pentru calire-revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare*
- *maner de plastic pentru conditii grele*
- *in conformitate cu standardul ISO 5746*





UNIOR

	L	B	C	A				
608668	160	24	35	9.5	224	4B	10	**72.62**
608669	180	27	38	10	273	4B	10	**78.69**
608670	200	29	41	10.5	351	4B	10	**85.74**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² ØT	max 650 N/mm² ØT
608668	160	1,6	2,0
608669	180	1,8	2,5
608670	200	2,0	2,5

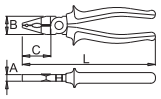


62074 NOU

Cleste Linesman's

- *dintii falcilor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *manerele bicomponente asigura o prindere antiderapanta, ergonomica si un confort maxim*





EGA Master ART IN INNOVATION

	L							
62074	250				480	4B	6	**304.73**

capacitatea de taiere (10N=1kg)

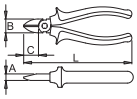
	L	max 1600 N/mm² ØT	max 650 N/mm² ØT
62074	250	1,8	2,5

461/1BI

Cleste cu tais lateral

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5749*



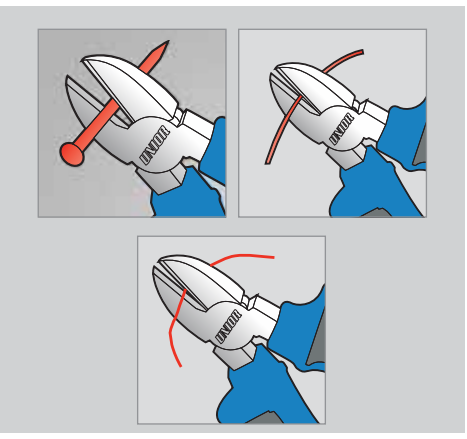


UNIOR

	L	B	A	C				
607883	140	19	9.5	18	169	4B	10	**98.69**
607884	160	22.5	10	22	214	4B	10	**98.69**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² ØT	max 650 N/mm² ØT
607883	140	1,6	2,0
607884	160	1,6	2,5

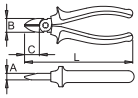


461/4G

Cleste cu tais lateral

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform cu standardul DIN 12476*
- *maner de plastic pentru conditii grele*
- *in conformitate cu standardul ISO 5749*





UNIOR

	L	B	A	C				
608697	140	19	9.5	18	169	4B	10	**75.25**
608698	160	22.5	10	22	214	4B	10	**81.48**

capacitatea de taiere (10N=1kg)

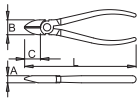
	L	max 1600 N/mm² Ø	max 650 N/mm² Ø
608697	140	1,6	2,0
608698	160	1,6	2,5

461/4P

Cleste cu tais lateral

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie, cap vopsit*
- *acoperire: fosfatare conform cu standardul DIN 12476*
- *manere de plastic*
- *in conformitate cu standardul ISO 5749*





UNIOR

	L	B	A	C				
612327	125	19	9.5	18	115	4B	10	**70.98**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² Ø	max 650 N/mm² Ø
612327	125	1,6	2,0

62284 NOU

Cleste pentru cabluri Cu/Al 63 mm²

- *material: Cr-V*
- *manere bimaterial care asigura o prindere ergonomica, antiderapanta si confort maxim*
- *ideal pentru cupru si aluminiu*
- *duritate falci taietoare: 55-60 HRc*



EGA Master ART IN INNOVATION

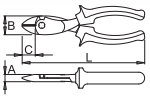
	L	Ø	Cu/Al (mm²)				
62284	150	9	63	160	4B	6	**112.95**

466/1BI

Cleste cu tais lateral pentru conditii grele

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie, cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5749*





UNIOR

	L	B	A	C				
617686	160	23.5	10	20.5	214	4B	10	**121.15**
608850	180	28	11	20	313	4B	10	**143.93**
608837	200	27	11	21	344	4B	10	**165.57**

capacitatea de taiere (10N=1kg)

	L	max 2150 N/mm² Ø	max 650 N/mm² Ø
617686	160	1,6	2,5
608850	180	1,8	3,0
608837	200	2,0	3,5

466/4G

Cleste cu tais lateral pentru conditii grele

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie, cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *maner de plastic pentru conditii grele*
- *in conformitate cu standardul ISO 5749*



UNIOR

	L	B	A	C				
617687	160	23.5	10	20.5	214	4B	10	**111.64**
608700	180	28	11	20	313	4B	10	**110.98**
609190	200	27	11	21	344	4B	10	**130.66**

capacitatea de taiere (10N=1kg)

	L	max 2150 N/mm² Ø	max 650 N/mm² Ø
617687	160	1,6	2,5
608700	180	1,8	3,0
609190	200	2,0	3,5

62151 NOU

Cleste pentru cabluri Cu/Al 63 mm²

- *material: Cr-V*
- *manere bimaterial care asigura o prindere ergonomica, antiderapanta si confort maxim*
- *ideal pentru cupru si aluminiu*
- *duritate falci taietoare: 45 HRc*



EGA Master ART IN INNOVATION

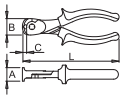
	L	Ø	Cu/Al (mm²)				
62151	250	14	63	490	4B	6	**207.87**

455/1BI

Cleste cu tais fata

- *material: Ck 60*
- *tratat complet*
- *partile taietoare tratate prin inductie,cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5748*





UNIOR

	L	B	A	C				
609192	160	27	22	7	254	4B	10	**132.30**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² Ø	max 650 N/mm² Ø
609192	160	1,6	2,5

467SHARK/4DP

Cleste cu tais lateral PowerShark

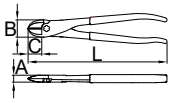
Caracteristici si avantaje:

- *material: otel cu continut ridicat de carbon*
- *forjat*
- *tratat complet 47 HRc*
- *falcile de taiere sunt tratate in intregime prin inductie 64 HRc*
- *acoperire anticoroziva (brunare)*
- *lubrifiere pentru a proteja suprafata impotriva ruginii*
- *manerele ergonomice, anti-alunecare din plastic cu dublustrat*

Pentru taiere precisa:

- *sarma moale (pana la 6 mm)*
- *sarma dura (pana la 3,5 mm)*
- *coarda pian (pana la 3,0 mm)*
- *suruburi, cuie, nituri etc. pana la o grosime de 4 mm*





UNIOR

	L	B	C	A				
626490	250	30	24	12	389	4B	1	**203.61**

capacitatea de taiere (10N=1kg)

	L	max 2150 N/mm² Ø	max 650 N/mm² Ø
626490	250	3	6

62164 NOU

Cleste pentru cabluri Cu/Al 154 mm²

- *material: Cr-V*
- *manere aluminiu + cauciuc*
- *ideal pentru cupru si aluminiu*
- *duritate falci taietoare: 54-58 HRc*



EGA Master ART IN INNOVATION

	L	Ø	Cu/Al (mm²)				
62164	600	14	154	1700	4B	1	**1222.79**

469SHARK/4DP

Cleste cu tais lateral BoltShark cu canelura

• *acesti clesti ultra-puternici sunt utilizati pentru taierea usoara a sarmei metalice, inclusiv a aliajelor intarite si calite si a altor metale extrudate*
• *acestia sunt proiectati ergonomic pentru a aplica o forta maxima, fiind usor de manevrat*
• *proiectat din otel inoxidabil cu partea taietoare calita prin inductie,clestelel BoltShark poate taia pana la 6 mm din sarmă de metal moale, 4 mm din otel dur si 3,6 mm din sarma de pian calită sau otel de arc*
• *in plus fata de sarma, clestiii Boltshark vor taia rapid si curat prin cuie de 5 mm, suruburi si nituri*
• *canalul inclus poate sustine o sarma mai groasa in pozitie, impiedicand-o sa se rostogoleasca de-a lungul muchiei de taiere, pe masura ce falcile sunt stranse*
• *forjat din otel cu conținut ridicat de carbon*
• *calit complet la ~ 47HRc, cu marginile de taiere calite prin inductie la ~ 64HRc*
• *finisat cu un strat negru anti-coroziv si uleiat usor*
• *manerele non-alunecare din plastic cu plastisol ofera un maner ergonomic bun*

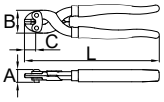
Avantaje:
• *proiectat cu o imbinare cu doua nituri, care foloseste o actiune combinata pentru a oferi o forta de taiere marita cu mai putin efort*
• *cea mai puternica forta trebuie aplicata la inceputul taierii, cand manerele sunt cele mai indepartate*
• *clestii BoltShark sunt proiectati impreuna cu manerele mai stranse, permitand aplicarea maxima a fortei de la inceputul taierii*
• *la taierea firului cu diametru mai gros (peste 2,5 mm), exista o tendinta ca firul sa fie impins de-a lungul marginilor de taiere, pe masura ce falcile sunt stranse*
• *adaugarea unui canal pe marginea de taiere tine materialul in siguranta, impiedicand aceasta mișcare si permitand o operare eficienta, cu o singura mana*
• *testele arata ca folosirea clestilor BoltShark pentru taierea firului de pian de 2 mm necesita doar 33% din forta necesara de clestii traditionali puternici.*
• *mecanismele de taiere centrale lasa un finisaj taiat pe ambele parti ale taieturii*
• *canalul inclus contine o sarmă mai groasa in pozitie*

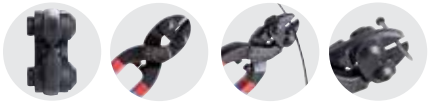
Utilizare:
• *pentru taierea precisa a sarmelor moi (pana la 6 mm), tari (pana la 4 mm) si coarde de pian (pana la 3,6 mm).*
• *se taie cu usurinta parti precum suruburile, cuiele, niturile etc. pana la o grosime de 5 mm.*

Standarde: DIN ISO 5743









UNIOR

	L	B	C	A				
626500	200	34,8	16,5	19,5	347	4B	1	**230.49**

capacitatea de taiere (10N=1kg)

	L	max 2150 N/mm² Ø	max 650 N/mm² Ø
626500	200	3,6	6

469SHARK/A4DP

Cleste cu tais lateral BoltShark

• *acesti clesti ultra-puternici sunt utilizati pentru taierea usoara a sarmei metalice, inclusiv a aliajelor intarite si calite si a altor metale extrudate*
• *acestia sunt proiectati ergonomic pentru a aplica o forta maxima, fiind usor de manevrat*
• *proiectat din otel inoxidabil cu partea taietoare calita prin inductie,clestelel BoltShark poate taia pana la 6 mm din sarmă de metal moale, 3,5 mm din otel dur si 3 mm din sarma de pian calită sau otel de arc*
• *in plus fata de sarma, clestiii Boltshark vor taia rapid si curat prin cuie de 5 mm, suruburi si nituri*
• *canalul inclus poate sustine o sarma mai groasa in pozitie, impiedicand-o sa se rostogoleasca de-a lungul muchiei de taiere, pe masura ce falcile sunt stranse*
• *forjat din otel cu continut ridicat de carbon*
• *calit complet la ~ 47HRc, cu marginile de taiere calite prin inductie la ~ 64HRc*
• *finisat cu un strat negru anti-coroziv si uleiat usor*
• *manerele non-alunecare din plastic cu plastisol ofera un maner ergonomic bun*

Avantaje:
• *proiectat cu o imbinare cu doua nituri, care foloseste o actiune combinata pentru a oferi o forta de taiere marita cu mai putin efort*
• *cea mai puternica forta trebuie aplicata la inceputul taierii, cand manerele sunt cele mai indepartate*
• *clestii BoltShark sunt proiectati impreuna cu manerele mai stranse, permitand aplicarea maxima a fortei de la inceputul taierii*
• *mecanismele de taiere centrale lasa un finisaj taiat pe ambele parti ale taieturii*

Utilizare:
• *pentru taierea precisa a sarmelor moi (pana la 6 mm), tari (pana la 3,5 mm) si coarde de pian (pana la 3 mm).*
• *se taie cu usurinta parti precum suruburile, cuiele, niturile etc. pana la o grosime de 4 mm.*

Standarde: DIN ISO 5743



UNIOR

	L	B	C	A				
627533	200	34,8	16,5	19,5	354	4B	1	**227.05**

capacitatea de taiere (10N=1kg)

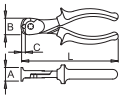
	L	max 2150 N/mm² Ø	max 650 N/mm² Ø
627533	200	3,6	6

455/4G

Cleste cu tais fata

• *material: Ck 60*
• *tratat complet*
• *partile taietoare tratate prin inductie, cap vopsit*
• *acoperire: fosfatare conform cu standardul DIN 12476*
• *maner de plastic pentru conditii grele*
• *in conformitate cu standardul ISO 5748*





UNIOR

	L	B	A	C				
608694	160	27	22	7	254	4B	10	**104.75**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² Ø	max 650 N/mm² Ø
608694	160	1,6	2,5

63915

Cleste pentru taiat panduiti

• *designul special al lamelor permite taierea cablurilor foarte stranse, fara a deteriora cablurile*
• *obligatoriu in industria auto, electricitate si retelistica, unde utilizarea foarfecelor sau a cutitelor poate deteriora involuntar cablurile si poate cauza probleme mai grave si costuri*
• *permite taierea cablurilor cu diametrul de pana la 10 mm*
• *maner PVC*





EGA Master ART IN INNOVATION

	L	50 kg/mm² Ø				
63915	150	10	100	4B	6	**121.13**

63950 NOU

Cleste cu tais lateral pentru plastic inclinat 25°

• *partile taietoare tratate prin inductie*
• *maner PVC*
• *sunt potriviti in special pentru taierea firelor de cupru, a a pieselor din plastic la nivelul suprafetei*
• *ideali pentru sarcini delicate de taiere in electronica si mecanica de precizie.*
• *proiectati si fabricati din otel special, unghiul lor de taiere a fost optimizat pentru a obtine cea mai mare precizie.*
• *un arc face lucrul mai usor si mai rapid, ajutsnd la deschiderea după efectuarea taieturilor.*
• *manere sintetice antiderapante.*
• *protectie anticoroziva a capului.*
• *conceputi pentru a oferi o taiere completa fara a strivi firul.*



EGA Master ART IN INNOVATION

	L	Ø mm	A				
63950	130	1,2	25°	70	4B	12	**319.23**

63951 NOU

Cleste cu tais lateral pentru plastic inclinat 25°

• *material:compozitie speciala pentru calire revenire*
• *tratat complet*
• *partile taietoare tratate prin inductie*
• *maner PVC*



EGA Master ART IN INNOVATION

	L	Ø mm	A				
63951	125	1,2	25°	75	4B	12	**319.23**

63952 NOU

Cleste cu tais lateral pentru plastic

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *maner PVC*



	L	Ø mm	A				
63952	130	7	15°	100	4B	12	**283.02**

63954 NOU

Cleste extra-lung cu varf semirotund

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *maner PVC*



	L				
63954	280	300	4B	6	**172.29**

63955 NOU

Cleste extra-lung cu varf semirotund la 45°

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *maner PVC*



	L				
63955	280	300	4B	6	**172.29**

63956 NOU

Cleste extra-lung cu varf semirotund la 90°

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *maner PVC*



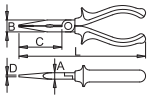
	L				
63956	280	270	4B	6	**172.29**

506/1BI

Cleste cu varfuri semirotunde si tais lateral

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *partea de prindere dintata*
- *in conformitate cu standardul ISO 5745*
- *de asemenea pentru agatarea si separarea cablurilor sau a altor obiecte de precizie*





UNIOR

	L	B	D	A	C				
607874	140	15	2	8	39	115	4B	10	**97.05**
607875	160	16	2.5	9	49	137	4B	10	**104.26**

capacitatea de taiere (10N=1kg)

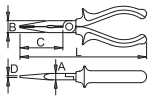
	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
607874	140	1,6		2,0	
607875	160	1,6		2,0	

508/1BI

Cleste cu varfuri semirotunde si tais lateral

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *partea de prindere dintata*
- *in conformitate cu standardul ISO 5745*
- *de asemenea pentru agatarea si separarea cablurilor sau a altor obiecte de precizie*





UNIOR

	L	B	D	A	C				
607876	170	17	2.5	9	61	156	4B	10	**118.20**
607877	200	17	2.5	9	77	191	4B	10	**122.46**

capacitatea de taiere (10N=1kg)

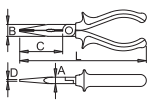
	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
607876	170	1,6		2,0	
607877	200	1,8		2,5	

506/4G

Cleste cu varfuri semirotunde si tais lateral

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *maner de plastic pentru conditii grele*
- *partea de prindere dintata*
- *in conformitate cu standardul ISO 5745*
- *de asemenea pentru agatarea si separarea cablurilor sau a altor obiecte de precizie*





UNIOR

	L	B	D	A	C				
608712	140	15	2	8	39	115	4B	10	**65.90**
608713	160	16	2.5	9	49	137	4B	10	**75.08**

capacitatea de taiere (10N=1kg)

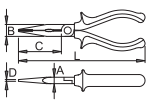
	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
608712	140	1,6		2,0	
608713	160	1,6		2,0	

508/4G

Cleste cu varfuri semirotunde si tais lateral

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *maner de plastic pentru conditii grele*
- *partea de prindere dintata*
- *in conformitate cu standardul ISO 5745*
- *de asemenea pentru agatarea si separarea cablurilor sau a altor obiecte de precizie*





UNIOR

	L	B	D	A	C				
608710	170	17	2.5	9	61	156	4B	10	**86.89**
608711	200	17	2.5	9	77	191	4B	10	**91.97**

capacitatea de taiere (10N=1kg)

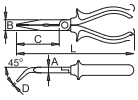
	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
608710	170	1,6		2,0	
608711	200	1,8		2,5	

512/1BI

Cleste cu varfuri semirotunde indoite si tais

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *partea de prindere dintata*
- *varfuri-semirotunde indoite la 45 de grade*
- *varfurile lungi si indoite asigura prinderea sigura si precisa a suruburilor si piulitelor.*
- *falcile puternice asigura o strangere buna*





UNIOR

	L	B	D	A	C				
607966	170	17	2.5	9	61	152	4B	10	**131.15**
607967	200	17	2.5	9	77	204	4B	10	**136.89**

capacitatea de taiere (10N=1kg)

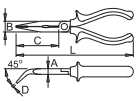
	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
607966	170	1,6	2,0
607967	200	1,8	2,5

512/4G

Cleste cu varfuri semirotunde indoite si tais

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *partea de prindere dintata*
- *varfuri-semirotunde indoite la 45 de grade*
- *maner de plastic pentru conditii grele*
- *varfurile lungi si indoite asigura prinderea sigura si precisa a suruburilor si piulitelor.*
- *falcile puternice asigura o strangere buna*





UNIOR

	L	B	D	A	C				
608720	170	17	2.5	9	61	152	4B	10	**101.80**
608721	200	17	2.5	9	77	204	4B	10	**107.21**

capacitatea de taiere (10N=1kg)

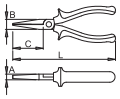
	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
608720	170	1,6	2,0
608721	200	1,8	2,5

472/1BI

Cleste cu varfuri late

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *partea de prindere dintata*
- *in conformitate cu standardul ISO 5745*





UNIOR

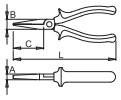
	L	B	C	A				
607878	140	15	39	8	120	4B	10	**89.34**
607879	160	16	49	9	146	4B	10	**96.72**

472/4G

Cleste cu varfuri late

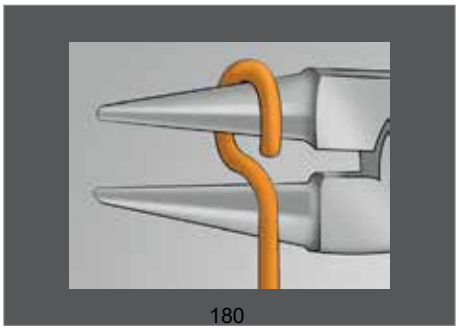
- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *partea de prindere dintata*
- *maner de plastic pentru conditii grele*
- *in conformitate cu standardul ISO 5745*

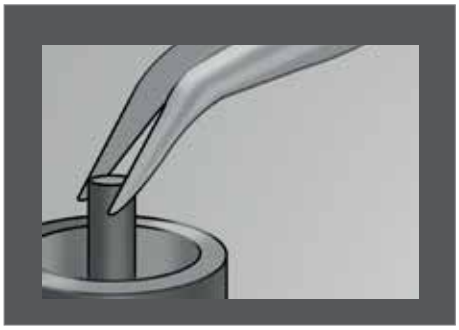




UNIOR

	L	B	C	A				
608704	140	15	39	8	120	4B	10	**62.46**
608705	160	16	49	9	146	4B	10	**68.20**



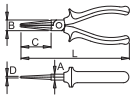


476/1BI

Cleste cu varfuri rotunde

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *posibilitati mici de deteriorare a sarmei*
- *varfurile lungi asigura prinderea sarmei in locurile cele mai dificile*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5745*

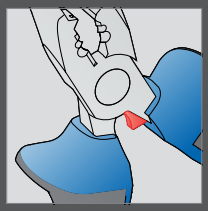




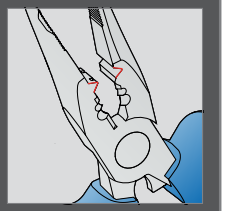
UNIOR

	L	B	A	C	D				
607880	140	15	9	39	2	116	4B	10	**91.15**
607881	160	16	10	49	2.5	126	4B	10	**98.36**

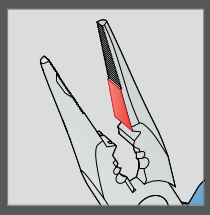




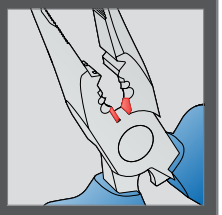
Sertizare cabluri terminale pana la Ø 4.0 mm.



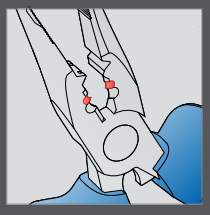
Clestele poate fi folosit pentru sertizarea papucilor izolati.



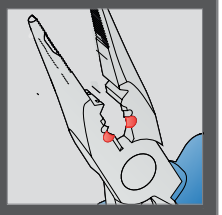
Partea inferioara a falcii este proiectata pentru blocarea obiectelor cu suprafata precisa si sensibila.



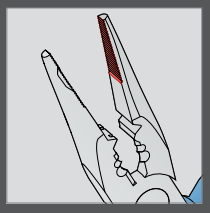
Taiere sarma de Ø 2.2 mm la Ø 4.0 mm.



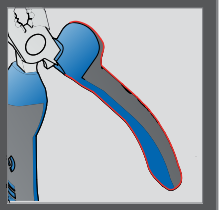
Dezizolarea cablurilor izolate de Ø 2.2 mm la Ø 3.0 mm.



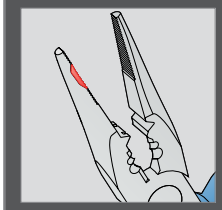
Dezizoleaza cabluri cu diametrul intre 3.5 mm si 4.0 mm



Falca cu mai multi dinti previne alunecarea si permite o mai buna prindere a cablurilor, sarmelor, etc.



Manere bimaterial pentru conditii grele



Rularea sarmelor tari si indoirea inelelor pana la diametrul 3.5 mm. Inelele pot fi indoite pe stanga sau pe dreapta, datorita dintilor corespunzatori de pe ambele parti ale falcilor.

514/1BI

Cleste pentru electrician multifunctionali

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*

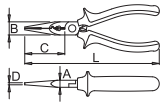
Avantaje:

- *7 functii diferite*
- *falca multi-dintata*
- *maner cu forma ergonomica*
- *strangere super puternica*
- *strangere ferma-designul si forma manerelor dau mainii mai multa forta in timpul strangerii , asigurand o stabilitate mai mare si un transfer sigur al fortei.*
- *durabilitate inalta*
- *falca dintata previne alunecarea si asigura o mai buna strangere a cablului sau sarmei.*

Utilizare

- *sarma de bobinaj tare si inelele de sarma pana la Ø 3.5 mm.Inelele pot fi indoite spre dreapta si spre stanga pana cand scula ajunge cu dintele corespunzator in ambele parti.*
- *partea inferioara a falcii este proiectata pentru blocarea obiectelor cu suprafata precisa si sensibila.*
- *clestii pot fi folositi pentru sertizarea terminalelor izolate*
- *dezizolarea cablurilor izolate de Ø 2.2 mm la Ø 3.0 mm.*
- *dezizolarea cablurilor izolate de Ø 3,5 mm la Ø 4,0 mm.*
- *taiere sarma de Ø 2.2 mm la Ø 4.0 mm.*
- *sertizare cabluri terminale pana la Ø 4.0 mm.*





UNIOR

	L	B	D	A	C				
612782	160	16	2.5	9	49	141	4B	10	**121.80**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
612782	160		1,6		2,0



462/1BI

Cleste multifunctional cu taiere in diagonala

- *material: compozitie speciala pentru calire revenire*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*

Avantaje:

- *cleste dezizolator cabluri simple de sectiune 1.5 mm² et 2.5 mm²*



UNIOR

	L	B	A	C				
624059	160	22,5	10	22	205	4B	10	**125.74**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
624059	160		1,6		2,5

462/4G

Cleste multifunctional cu taiere in diagonala

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform cu standardul DIN 12476*
- *maner de plastic pentru conditii grele*

Avantaje:

- *cleste dezizolator cabluri simple de sectiune 1.5 mm² et 2.5 mm²*



UNIOR

	L	B	A	C				
624062	160	22,5	10	22	214	4B	10	**113.11**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
624062	160		1,6		2,5

478/1BI

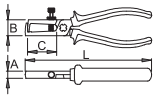
Cleste pentru dezizolat frontal

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*

Avantaje:

- *arc de redeschidere*
- *capacitatea de dezizolare de la 1, 6-10 mm²*





UNIOR

	L		B	A	C				
607882	160	0.6-10	18	9	40	178	4B	10	**107.05**

478/4G

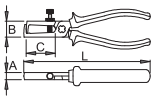
Cleste pentru dezizolat frontal

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare*
- *maner de plastic pentru conditii grele*

Avantaje:

- *arc de redeschidere*
- *capacitatea de dezizolare de la 1, 6-10 mm²*

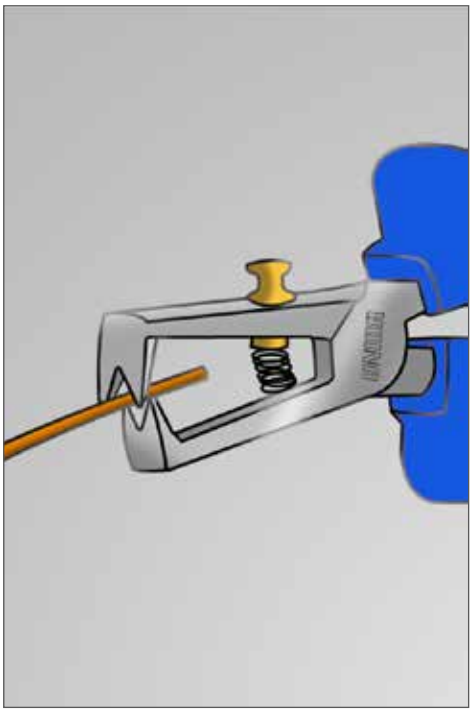




UNIOR

	L		B	A	C				
608701	160	0.6 - 10	18	9	40	178	4B	10	**85.41**





424/4P

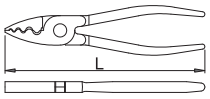
Cleste de sertizat

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere de plastic*

Utilizare

- *pentru terminale neizolate (dim. 140 de la 0,5-2,5 mm , dim 180 0,25-16 mm)*





UNIOR





		L					
607949	0.5 - 2.5	140	144	4B	10	**162.95**
607950	0.25 - 16	180	258	4B	10	**250.00**

425/4A

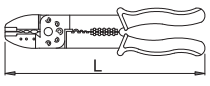
Cleste de sertizat

- *confectionat din tabla*
- *tratament termic complet*
- *acoperire: fosfatare conform standardului DIN 12476*
- *maner de plastic pentru conditii grele*

Utilizare

- *pentru terminale izolate si inchise neizolate*





UNIOR





		L				
601136	1.5 - 6	240	320	1E	5	**134.43**

425/4B

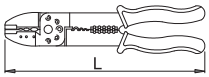
Cleste de sertizat

- *confectionat din tabla*
- *tratament termic complet*
- *acoperire: fosfatare conform standardului DIN 12476*
- *maner de plastic pentru conditii grele*

Utilizare

- *pentru terminale deschise izolate si neizolate*





UNIOR

		L				
601137	1.5 - 6	240	320	1E	5	129.67

425/4AB

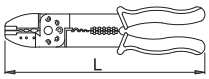
Cleste de sertizat

- *confectionat din tabla*
- *tratament termic complet*
- *acoperire: fosfatare conform standardului DIN 12476*
- *maner de plastic pentru conditii grele*

Utilizare

- *pentru terminale neizolate standard si terminale inchise*





UNIOR

		L				
605806	1.5 - 6	240	320	1E	5	143.93

427/4AG

Cleste de sertizare - strangere

- *confectionat din tabla*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere bimaterial pentru conditii grele*

Avantaje:

- *falci din metal cu protectie electrica*
- *arc intarit pentru prelungirea perioadei de viata a clestelui*
- *profilul patrat al falcilor permite un contact mai bun decat la clestii cu profil obisnuit*

Utilizare

- *pentru terminale de dimensiuni 0,08 - 10 mm²/ AWG28 - 7*



UNIOR

621550	433	1G	1	1409.18

CARACTERISTICI

427/4AG



Autoreglat automat la dimensiunea ceruta a firului



Cap de sertizare patrat



O geometrie de matrice de mare precizie da o forma de taiere definita clar

427/4CG

Cleste pentru dezizolat si sertizat

- *confectionat din tabla*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere bimaterial pentru conditii grele*

Avantaje:

- *falcile special proiectate prind cablul ferm in timpul procesului de dezvelire*

Utilizare

- *cu ajutorul butonului pivotant se poate face adaptarea la fire mai subtiri de 30AWG (0.05 mm) sau mai groase de 8AWG (1.5 la 6.0 mm)*
- *pentu terminale neizolate 10 - 22 AWG (1.5-6.0 mm)*
- *pentru terminale izolate 10-22AWG (1.56.0 mm)*
- *pentru terminale auto ingnifuge de la 7 la 8 mm*



UNIOR

621552	378	1G	1	154.26



428/4

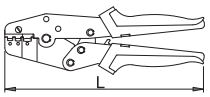
Cleste cu parghie pentru sertizat

- *confectionat din tabla*
- *falci forjate din otel special de scule, tratate*
- *articulatia asigura o presiune ridicata de compresie cu efort minim*
- *maner de plastic pentru conditii grele*
- *elemente de schimb pentru cap*

Utilizare

- *pentru terminale izolate (0.5-6 mm²)*





UNIOR

		L				
602327	0.5 - 6	240	575	1E	1	442.30

428.1/4

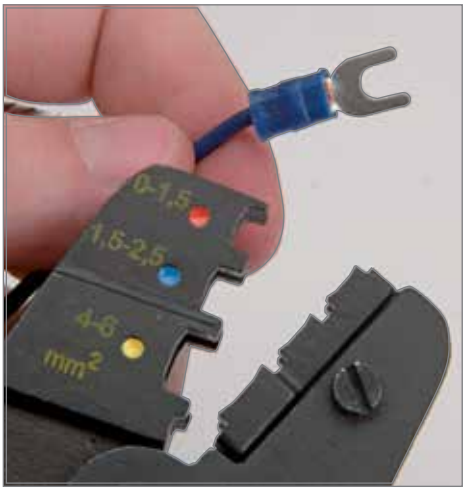
Falci de schimb pentru art. 428

- *cap de schimb*



UNIOR

602328	161	1E	1	131.16



427/4DG

Cleste de sertizat modular

- *confectionat din tabla*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere bimaterial pentru conditii grele*

Avantaje:

- *pozitionarea exacta se face datorita pozitionarii paralele a falcilor*

Utilizare

- *pentru fixarea prizelor Western cu 4-, 6- si 8- poli de tip RJ 10 (grosime 7.65 mm) tip RJ 11/12 (grosime 9.65 mm) si tip RJ 45 (grosime 11.68 mm)*
- *scula pentru taierea si sertizarea firelor de telefon neizolate*
- *cu un dispozitiv special pentru dezvelirea cablurilor rotunde*
- *cu cutter de lungime si cutit de dezizolare pentru cabluri tip panglica de la 6 la 12 mm grosime*



UNIOR

621553	401	1G	1	244.10

62493 NOU

Cleste de sertizat pentru terminale izolate

- *ideal pentru functii de bază pentru conexiuni.*
- *multifunctionalitatea sa ii permite sa fie folosit pentru a decupa si imbina cabluri, sertizare terminale, sertizare conectori etc.*
- *manere ergonomice*

Utilizare

- *AWG: 10-12-14-16-18-20-22*
- *mm: 2,59-2,05-1,63-1,29-1,02-0,812-0,644*
- *CAP. (mm²): 5,26-3,31-2,08-1,31-0,82-0,52-0,324*
- *DIN (mm²): 6-4-2,5-1,5-1-0,75-0,5*



EGA Master ART IN INNOVATION

	L				
62493	200	401	1G	6	96.30

62591 NOU

Cleste de sertizat pentru terminale izolate

- *ideal pentru functii de bază pentru conexiuni.*
- *multifunctionalitatea sa ii permite sa fie folosit pentru a decupa si imbina cabluri, sertizare terminale, sertizare conectori etc.*
- *manere ergonomice*

Utilizare

- *AWG: 22-10*
- *mm: 0,644-2,59*
- *CAP.: 0,324-5,26 mm²*
- *DIN: 0,5-6 mm²*



EGA Master ART IN INNOVATION

	L				
62591	175	550	1G	6	470.33

62494 NOU

Cleste de sertizat pentru cabluri izolate si neizolate

- *ideal pentru functii de bază pentru conexiuni.*
- *multifunctionalitatea sa ii permite sa fie folosit pentru a decupa si imbina cabluri, sertizare terminale, sertizare conectori etc.*
- *manere ergonomice*

Utilizare

- *AWG: 10-12-14-16-18-20-22*
- *mm: 2,59-2,05-1,63-1,29-1,02-0,812-0,644*
- *CAP. (mm²): 5,26-3,31-2,08-1,31-0,82-0,52-0,324*
- *DIN (mm²): 6-4-2,5-1,5-1-0,75-0,5*



EGA Master ART IN INNOVATION

	L				
62494	220	190	1G	6	100.24

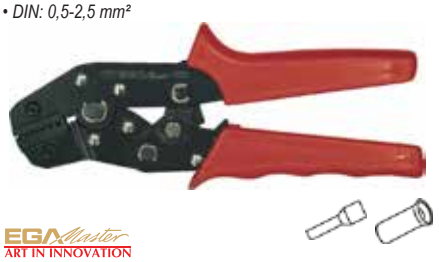
62594 NOU

Cleste de sertizat pentru cabluri izolate si neizolate

- *ideal pentru functii de bază pentru conexiuni.*
- *multifunctionalitatea sa ii permite sa fie folosit pentru a decupa si imbina cabluri, sertizare terminale, sertizare conectori etc.*
- *manere ergonomice*

Utilizare

- *AWG: 26-14*
- *mm: 0,405-1,63*
- *CAP.: 0,129-2,08 mm²*
- *DIN: 0,5-2,5 mm²*



EGA Master ART IN INNOVATION

	L				
62594	7.1/2"	360	1G	6	519.86

62593 NOU

Cleste de sertizat pentru terminale neizolate

- *ideal pentru functii de baza pentru conexiuni.*
- *multifunctionalitatea sa ii permite sa fie folosit pentru a decupa si imbina cabluri, sertizare terminale, sertizare conectori etc.*
- *manere ergonomice*

Utilizare

- *AWG: 22-20-18-16-14*
- *mm: 0,644-0,812-1,02-1,29-1,63*
- *CAP.: 0,324-0,52-0,82-1,31-2,08 mm²*
- *DIN: 0,5-0,76-1-1,5-2,5 mm²*



EGA Master ART IN INNOVATION

	L				
62593	7.1/2"	350	1G	6	519.86

62592 NOU

Cleste de sertizat pentru terminale neizolate

- *ideal pentru functii de baza pentru conexiuni.*
- *multifunctionalitatea sa ii permite sa fie folosit pentru a decupa si imbina cabluri, sertizare terminale, sertizare conectori etc.*
- *manere ergonomice*

Utilizare

- *AWG: 22-20-18-16-14*
- *mm: 0,644-0,812-1,02-1,29-1,63*
- *CAP.: 0,324-0,52-0,82-1,31-2,08 mm²*
- *DIN: 0,5-0,75-1-1,5-2,5 mm²*



EGA Master ART IN INNOVATION

	L				
62592	7.1/2"	350	1G	6	519.86

62597 NOU

Cleste cu clichet pentru conectori COAX -BNC-TNC

- *ideal pentru functii de baza pentru conexiuni.*
- *multifunctionalitatea sa ii permite sa fie folosit pentru a decupa si imbina cabluri, sertizare terminale, sertizare conectori etc.*
- *manere ergonomice*

Utilizare

CAP.: 58, 59,62, 8X | 140, 141, 174 | 210, 223, 303, 400 | FIBER OPTIC BELDEN 8279 mm²



EGA Master ART IN INNOVATION

	L				
62597	7.1/2"	550	1G	6	495.17

62595 NOU

Cleste pentru terminale telefon

- *ideal pentru functii de baza pentru conexiuni.*
- *multifunctionalitatea sa ii permite sa fie folosit pentru a decupa si imbina cabluri, sertizare terminale, sertizare conectori etc.*
- *manere ergonomice*

Utilizare

CAP.: 4P2C, 4P4C, 6P4C (RJ-11), 6P6C (RJ-12), 8P8C, 10P6C, 10P8C (RJ-45)



EGA Master ART IN INNOVATION

	L				
62595	8"	500	1G	6	866.38

63865 NOU

Cleste pentru terminale telefon

• pentru taierea si decuparea cablurilor izolate de la 0,5 la 3,2 mm diametru si de la 0,2 la 8,5 mm 2 sectiuni intr-o singura etapă. Doar strangerea manerelor pentru deschiderea ai inchiderea falcilor va indepărta cu usurinta izolatia de cablu
• 3 modele diferite disponibile pentru deziparea cablurilor de diferite diametre mm/AWG
• opritor reglabil pentru reglarea lungimii de decuplare in timpul functionarii

Utilizare:
AWG: 24-16-14-12
0,511-1,29-1,63-2,05 mm
CAP.: 0,205-1,31-2,08-3,31 mm2
DIN: 0,25-1,5-2,5-4



EGA Master ART IN INNOVATION

	L				
63865	-	360	1G	6	508.78

63867 NOU

Cleste pentru terminale telefon

• pentru taierea si decuparea cablurilor izolate de la 0,5 la 3,2 mm diametru si de la 0,2 la 8,5 mm 2 sectiuni intr-o singura etapă. Doar strangerea manerelor pentru deschiderea ai inchiderea falcilor va indepărta cu usurinta izolatia de cablu
• 3 modele diferite disponibile pentru deziparea cablurilor de diferite diametre mm/AWG
• opritor reglabil pentru reglarea lungimii de decuplare in timpul functionarii

Utilizare:
AWG: 17-16-14-12-10
1,15-1,29-1,63-2,05-2,59 mm
CAP.: 1,04-1,31-2,08-3,31-5,26 mm2
DIN: 1,25-1,5-2,5-4-6 mm2



EGA Master ART IN INNOVATION

	L				
63867	-	360	1G	6	508.78

427/2FG

Cleste de sertizat

- *confectionat din tabla*
- *duritatea bacurilor 38-40 HRC*
- *foarte usor de folosit*

Avantaje:

- *sertizare hexagonala*
- *sectiunea transversala este formata din profile sferice rotative*
- *Bacuri rotaive in 6 pozitii cu dimensiunile 6,10,16,25,35,50 mm*
- *articulatia asigura o presiune ridicata de compresie cu efort minim*



UNIOR

621555	6 - 50	1350	1D	1	779.67

63866 NOU

Cleste pentru terminale telefon

• pentru taierea si decuparea cablurilor izolate de la 0,5 la 3,2 mm diametru si de la 0,2 la 8,5 mm 2 sectiuni intr-o singura etapă. Doar strangerea manerelor pentru deschiderea ai inchiderea falcilor va indepărta cu usurinta izolatia de cablu
• 3 modele diferite disponibile pentru deziparea cablurilor de diferite diametre mm/AWG
• opritor reglabil pentru reglarea lungimii de decuplare in timpul functionarii

Utilizare:
AWG: 18-14-12-10-8
1,02-1,63-2,05-2,59-3,26 mm
CAP.: 0,82-2,08-3,31-5,26-8,37 mm2
DIN: 1-2,5-4-6-10



EGA Master ART IN INNOVATION

	L				
63866	-	360	1G	6	508.7

XLCE-510 NOU

Cleste de sertizat

• pentru terminale 0,5 până la 10 mm2
• pentru terminale AWG 22-8.



KuDos Professional Hydraulic Tools

	L				
XLCE-510	258	650	1G	6	248.85

HD-25150

Cleste de sertizare cabluri, cu bacuri rotative interschimbabile

• cutie plastic



KuDos Professional Hydraulic Tools

HD-25150	25-150 mm²	650	2900	1	999.18

HD-0650

Cleste de sertizare cabluri, cu bacuri rotative interschimbabile

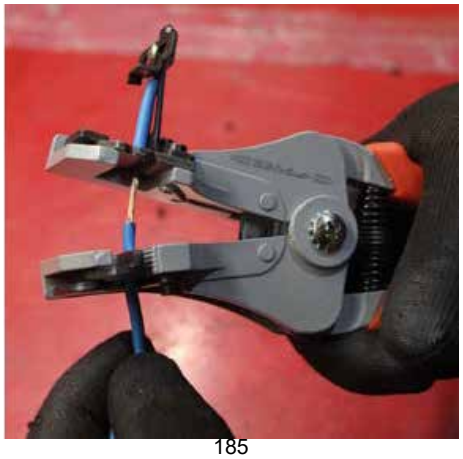
• cutie plastic



KuDos Professional Hydraulic Tools

HD-0650	6-50 mm²	390	1100	1	999.18





HD-06120

Cleste de sertizare cabluri, cu bacuri rotative interschimbabile

• cutie plastic



KuDos Professional Hydraulic Tools

HD-06120	10-120 mm²	650	2900	1	999.18

HD-OD3

Cleste de sertizare cabluri, cu bacuri tp “W-D”, forta de sertizare 4.5 tone

• sectiunea taietoare a bacurilor realizata din otel
• rezistenta sporita si suprafata mai mare a lagarului sunt prevazute cu suruburi de otel mai mari.
• inlocuire rapida, usoara, cu o singura mana a bacurilor
• nu exista posibilitatea de desprindere a bacurilor datorita butoanelor de fixare cu blocare cu arc.
• forta de sertizare utilizata complet
• reglare usoara a sculei prin cheie imbus
• prevazut cu opritoare si tuburi termocontractabile pentru protectia operatorului
• durata de viata lunga datorita cu manerelor hickory si componentelor din aluminiu
• functionarea mai usoara a sculei este asigurata cu manerele indoite si antiderapante.
• falci cu canelura „D3 " pentru insertii tip „ W ”





KuDos Professional Hydraulic Tools

		L			
HD-OD3	-	645	3200	1	2318.85

HD-BGD3

Cleste de sertizare cabluri, cu bacuri tp “W-D”, forta de sertizare 4.5 tone

• sectiunea taietoare a bacurilor realizata din otel
• rezistenta sporita si suprafata mai mare a lagarului sunt prevazute cu suruburi de otel mai mari.
• inlocuire rapida, usoara, cu o singura mana a bacurilor
• nu exista posibilitatea de desprindere a bacurilor datorita butoanelor de fixare cu blocare cu arc.
• forta de sertizare utilizata complet
• reglare usoara a sculei prin cheie imbus
• prevazut cu opritoare si tuburi termocontractabile pentru protectia operatorului
• durata de viata lunga datorita cu manerelor hickory si componentelor din aluminiu
• functionarea mai usoara a sculei este asigurata cu manerele indoite si antiderapante.
• falci cu canelura „D3 " pentru insertii tip „ W ”





KuDos Professional Hydraulic Tools

		L			
HD-BGD3	-	645	3200	1	2318.85

428/4AGPB

Set cleste cu parghie pentru sertizat cu falci de rezerva

- *confectionat din tabla*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere bimaterial pentru conditii grele*
- *dimensiunea cutiei : 307 x 260 x 55 mm*

Avantaje:

- *sistemul de sertizare cu clichet asigura precizia*
- *sistem de schimbare rapida a falcilor pentru 4 tipuri diferite de falci*

Utilizare

- *pentru terminale izolate AWG10-12/14-16/18-22 (4-6/1.5-2.5/0.5-1.0 mm)*
- *pentru terminale neizolate AWG14-6 (0.2-16 mm)*
- *pentru conectori coaxiali BNC/TNC RG-58, RG-59/62. conectori hexagonali 0.255 (6.48 mm), 0.213 (5.41 mm), 0.068 (1.73 mm²)*





UNIOR

621557	1315	1G	1	773.93

428.4/4AG

Falci de schimb pentru conectori coaxiali si hexagonali, pentru 428/4AG



UNIOR



621958	55	1E	1	84.17

428.3/4AG

Falci de rezerva pentru terminale de capat pentru art. 428/4AG



UNIOR









621957	74	1E	1	84.17

428.1/4AG

Falci de schimb pentru terminale izolate pentru art. 428/4AG



UNIOR









621955	57	1E	1	84.17

428.2/4AG

Falci de schimb pentru terminale neizolate pentru art. 428/4AG



UNIOR



621956	55	1E	1	84.17

380

Clesti pentru dezizolat

- *material: poliamida*

Avantaje:

- *lungimea de dezizolare reglabila intre 5-12 mm*
- *accesibilitate usoara in cutit pentru max 2 mm*

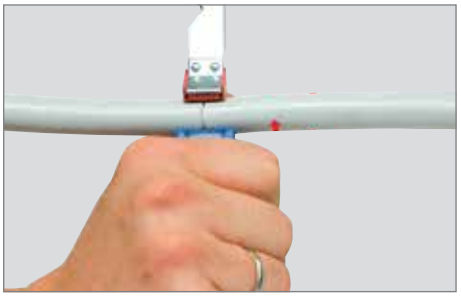
Utilizare

- *dezizolare completa automata pentru toate tipurile de conductori solizi de la 0, 2-6 mm²*



UNIOR

610925	0.2 - 6	117	1E	10	224.10



385H

Dispozitiv de dezizolare cu carlig de taiere

- *material: poliamida*

Avantaje:

- *fara deteriorarea interiorului conductorului la multiple ajustari a adancimii de taiere*
- *lama rotitoare se roteste automat la taieri circulare sau longitudinale*

Utilizare

- *acuratete, rapiditate si siguranta in dezizolarea cablurilor normale rotunde de la 4-28 mm²*



UNIOR

610930	4 - 28	91	1E	10	100.49

385.1H

Lama pentru art. 385H

UNIOR

623377	20	1E	10	44.75

385G

Dispozitiv de dezizolat cu cutit drept

- *material: poliamida*

Avantaje:

- *fara deteriorarea interiorului conductorului la multiple ajustari a adancimii de taiere*
- *lama rotitoare se roteste automat la taieri circulare sau longitudinale*

Utilizare

- *acuratete, rapiditate si siguranta in dezizolarea cablurilor normale rotunde de la 4-28 mm²*



UNIOR

610931	4 - 28	92	1E	10	100.49

63863 NOU

Dispozitiv de dezizolare

- *material: poliamida*
- *capacitate de dezizolare longitudinala: Ø max 9,5 (A)*
- *capacitate de dezizolare perimetrala: Ø max 9,5 (A)*
- *capacitate sertizare: 0,2-0,8 (B)*
- *capacitate sertizare AWG: 20-30 (B)*





EGA Master ART IN INNOVATION

63863	0,2-0,8	120	1E	1	341.17

63862 NOU

Dispozitiv de dezizolare

- *material: poliamida*
- *capacitate de dezizolare longitudinala: Ø max 9,5 (A)*
- *capacitate de dezizolare perimetrala: Ø max 9,5 (A)*
- *capacitate sertizare: 0,8-2,6 (B)*
- *capacitate sertizare AWG: 10-20 (B)*





EGA Master ART IN INNOVATION

63862	0,8-2,6	120	1E	1	332.76

63875 NOU

Dispozitiv de dezizolare cu carlig de taiere

- *grosimea de dezizolare reglabila*
- *pentru taieturi longitudinale si circulare*
- *pentru cabluri din PVC, cauciuc, silicon si PTFE.*



EGA Master ART IN INNOVATION

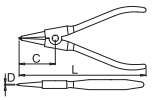
63875	4,5-25	130	1E	1	385.49

532/1P

Clesti inel de siguranta, varfuri drepte

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *manere de plastic*
- *in concordanta cu standardul DIN 5254 forma A*





UNIOR

	L		D	C				
616734	300	85 - 140	3.2	86	502	4B	5	**158.52**

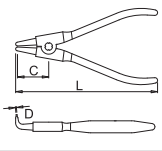


534/1P

Clesti inel de siguranta, varfuri indoite

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *manere de plastic*
- *in concordanta cu standardul DIN 5254 forma B*





UNIOR

			L	D	C			
616737	300	85-140	280	3.2	68	502	4B	5	**159.84**

532PLUS/1DP

Cleste inel de siguranta, exterior, varfuri drepte

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *manere duble de plastic*
- *in concordanta cu standardul DIN 5254 forma A*

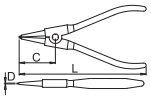
Avantaje:

- *rezistenta cu 30 % mai mare in comparatie cu clesti inel de siguranta obisnuiti*
- *cu varfuri inserate*
- *pentru diametre intre 10-100mm*

Utilizare

- *pentru montarea inelelor elastice pe ax*





UNIOR

	L		D	C				
621187	140	3 - 10	0.9	40	127	4B	10	**100.33**
621188	140	10 - 25	1.3	40	131	4B	10	**100.33**
621189	180	19 - 60	1.8	52	209	4B	10	**103.44**
621190	220	40 - 100	2.2	63	276	4B	5	**127.54**

534PLUS/1DP

Clesti inel de siguranta, exterior, varfuri indoite

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *in concordanta cu standardul DIN 5254 forma B*
- *manere duble de plastic*

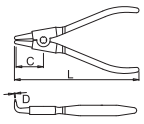
Avantaje:

- *rezistenta cu 30 % mai mare in comparatie cu clesti inel de siguranta obisnuiti*
- *cu varfuri inserate*
- *pentru diametre intre 10-100mm*

Utilizare

- *pentru montarea inelelor elastice pe ax*





UNIOR

			L	D	C				
621195	140	3 - 10	128	0.9	28	134	4B	10	**103.11**
621196	140	10 - 25	128	1.3	28	124	4B	10	**103.11**
621197	180	19 - 60	166	1.8	38	204	4B	10	**109.51**
621198	220	40 - 100	201	2.3	48	274	4B	5	**130.33**

536PLUS/1DP

Cleste inel de siguranta intern, varfuri drepte

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *manere duble de plastic*
- *in concordanta cu standardul DIN 5254 forma C*

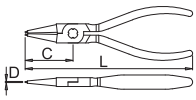
Avantaje:

- *rezistenta cu 30 % mai mare in comparatie cu clesti inel de siguranta obisnuiti*
- *cu varfuri inserate*
- *pentru diametre intre 8 si 100mm*

Utilizare

- *pentru montarea inelelor elastice pe gaurile tevilor*





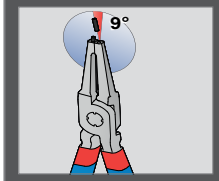
UNIOR

	L		D	C				
621203	140	8 - 13	0.9	40	111	4B	10	**94.10**
621204	140	12 - 25	1.3	40	115	4B	10	**94.10**
621205	180	19 - 60	1.8	52	192	4B	10	**96.72**
621206	220	40 - 100	2.2	63	251	4B	5	**118.03**

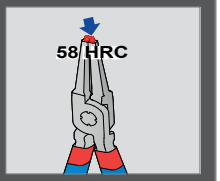
CARACTERISTICI

536PLUS/1DP, 538PLUS/1DP





Varfurile sunt introduse in falci la un unghi care previne inelul sa alunece din varf



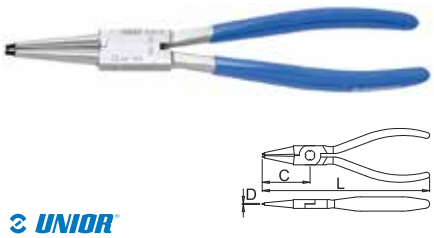
Varfurile calite la 58HRC previn indoirea sau ruperea inelelor de siguranta in timpul scoterii / introducerii acestora.



536/1P

Clesti inel de siguranta, intern, varfuri drepte

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *in concordanta cu standardul DIN 5254 forma C*
- *manere de plastic*



UNIOR

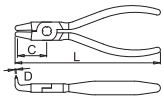
	L		D	C				
616740	300	85 - 140	3.2	86	491	4B	5	**152.46**

538/1P

Clesti inel de siguranta, intern varfuri indoite

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *in concordanta cu standardul DIN 5254 forma D*
- *manere de plastic*





UNIOR

			L	D	C				
616743	300	85 - 140	280	3.2	68	501	4B	5	**153.93**

539/1PCT

Set clesti inel de siguranta in husa



UNIOR

616736	4	2175	1T	1	**695.90**

532/1P (300), **534/1P** (300), **536/1P** (300), **538/1P** (300)

538PLUS/1DP

Cleste inel de siguranta, intern, varfuri indoite

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *manere duble de plastic*
- *in concordanta cu standardul DIN 5254 forma D*

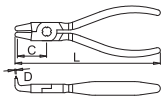
Avantaje:

- *rezistenta cu 30 % mai mare in comparatie cu clesti inel de siguranta obisnuiti*
- *pentru diametre intre 8 si 100mm*
- *cu varfuri inserate*

Utilizare

- *pentru montarea inelelor elastice pe gaurile tevilor*





UNIOR

			L	D	C				
621211	140	8-13	128	0.9	28	114	4B	10	**98.03**
621212	140	12-25	128	1.3	28	114	4B	10	**98.03**
621213	180	19-60	166	1.8	38	194	4B	10	**109.18**
621214	220	40-100	202	2.3	48	244	4B	5	**119.84**

62213

NOU

Cleste inele de siguranta, multideschidere

- *material: crom-vanadiu*
- *duritate: 45-50 HRc*
- *cap fosfatat*
- *manere de plastic*



EGA Master ART IN INNOVATION

	L					
62213	160	10 - 50	200	4B	3	**183.08**

539PLUS/1DPCT

Set clesti inel de siguranta PLUS in husa



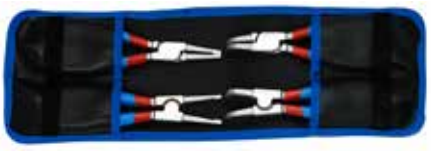
UNIOR

621623	3 - 10 - 140 / 4	560	1T	1	**451.15**

532PLUS/1DP (140x3-10), **534PLUS/1DP** (140x3-10), **536PLUS/1DP** (140x8-13), **538PLUS/1DP** (140x8-13)

539PLUS/1DPCT

Set clesti inel de siguranta PLUS in husa



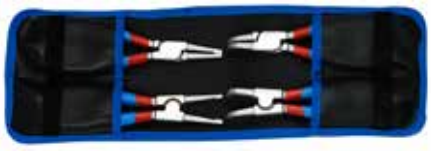
UNIOR

621624	10 - 25 - 140 / 4	561	1T	1	**451.15**

532PLUS/1DP (140 x 10 - 25), **534PLUS/1DP** (140 x 10 - 25), **536PLUS/1DP** (140 x 12 - 25), **538PLUS/1DP** (140 x 12 - 25)

539PLUS/1DPCT

Set clesti inel de siguranta PLUS in husa



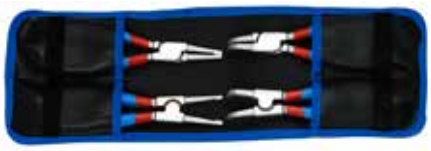
UNIOR

621625	19 - 60 - 180 / 4	915	1T	1	**481.48**

532PLUS/1DP (180 x 19 - 60), **534PLUS/1DP** (180 x 19 - 60), **536PLUS/1DP** (180 x 19 - 60), **538PLUS/1DP** (180 x 19 - 60)

539PLUS/1DPCT

Set clesti inel de siguranta PLUS in husa



UNIOR

621626	40 - 100 - 220 / 4	1160	1T	1	**556.89**

532PLUS/1DP (220 x 40 - 100), **534PLUS/1DP** (220 x 40 - 100), **536PLUS/1DP** (220 x 40 - 100), **538PLUS/1DP** (220 x 40 - 100)

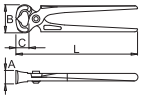


530/4

Cleste pentru scos cuie

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *conform cu standardul ISO 9243*





UNIOR

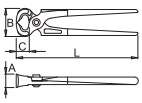
	L	B	A	C				
601342	180	50	23	21	309	4B	10	60.33
601343	200	54	25	24	427	4B	10	63.44
607860	225	54	25	24	419	4B	10	74.10
601344	250	58	26	27	557	4B	5	92.46

530/4P

Cleste pentru scos cuie

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere de plastic*
- *conform cu standardul ISO 9243*





UNIOR

	L	B	A	C				
608723	180	50	23	21	309	4B	10	66.07
608724	200	54	25	24	427	4B	10	69.84
608725	225	54	25	24	419	4B	10	83.93
608726	250	58	26	27	557	4B	5	101.80

531/4

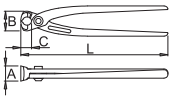
Cleste pentru plasa de sarma

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *muchiile de taiere sunt calite prin inductie la 61HRc*
- *finisaj suprafața capului: polizat fin*
- *finisaj suprafata: fosfatat conform standardului ISO 9717*
- *realizat conform standardului ISO 9242*

Avantaje:
- *forma precisa a imbinării permite deschiderea automata a clestilor in poziție orizontala, astfel incat forta se aplica numai in timpul taierii firelor*

Utilizare:
- *util pentru legarea si tăierea firelor*





UNIOR

	L	B	A	C				
601372	190	26	22	15	214	4B	10	63.44
601373	224	30	23	17	333	4B	10	77.21
601374	250	36	25	18	424	4B	10	86.07
601375	280	36	25	18	455	4B	5	99.02

531/4P

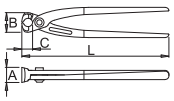
Cleste pentru plasa de sarma

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *muchiile de taiere sunt calite prin inductie la 61HRc*
- *finisaj suprafața capului: polizat fin*
- *finisaj suprafata: fosfatat conform standardului ISO 9717*
- *realizat conform standardului ISO 9242*
- *manere de plastic*

Avantaje:
- *forma precisa a imbinării permite deschiderea automata a clestilor in poziție orizontala, astfel incat forta se aplica numai in timpul taierii firelor*

Utilizare:
- *util pentru legarea si tăierea firelor*





UNIOR

	L	B	A	C				
608727	190	26	22	15	214	4B	10	70.00
608728	224	30	23	17	333	4B	10	81.64
608729	250	36	25	18	424	4B	10	94.26
608730	280	36	25	18	455	4B	5	108.69



531/4PR

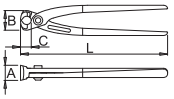
Cleste pentru plasa de sarma

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *muchiile de taiere sunt calite prin inductie la 61HRc*
- *finisaj suprafața capului: polizat fin*
- *finisaj suprafata: fosfatat conform standardului ISO 9717*
- *realizat conform standardului ISO 9242*
- *manere de plastic*

Avantaje:
- *forma precisa a imbinării permite deschiderea automata a clestilor in poziție orizontala, astfel incat forta se aplica numai in timpul taierii firelor*

Utilizare:
- *util pentru legarea si tăierea firelor*





UNIOR

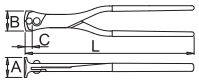
	L	B	A	C				
601386	224	30	23	17	333	4B	10	85.57
601387	250	36	25	18	424	4B	10	99.02
601388	280	36	25	18	455	4B	5	114.26

529/4P

Cleste plasa de sarma pentru conditii grele

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere de plastic*





UNIOR

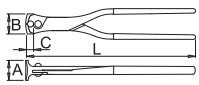
	L	B	A	C				
607494	280	33	33	19	476	4B	5	281.80

529/4PR

Cleste plasa de sarma pentru conditii grele

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere de plastic*





UNIOR

	L	B	A	C				
609563	280	33	33	19	466	4B	5	306.23

528/4BP

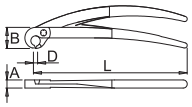
Cleste pentru ceramica

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere de plastic*

Avantaje:

- *arc de redeschidere*







UNIOR

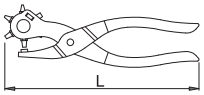
	L	B	A	D				
612988	200	40	8.4	8	240	4B	10	64.43

558/5P

Cleste de perforat cu 6 pozitii

- *manerul confectionat din tabla*
- *preducelele confectionate din otel special de scule, tratate, ascutite*
- *acoperire:zincare*
- *manere de plastic*
- *dimensiuni preducele:2, 2.5, 3, 3.5, 4, 5*





UNIOR

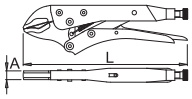
	L			
601557	210	287	4B	10	122.46

429/3

Cleste menghina

- *falci forjate din otel special de scule*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*
- *falci simetrice*





UNIOR

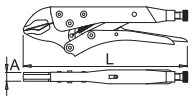
	L	A					
613101	175	10	30	362	1E	10	132.62
605206	250	12	35	596	1E	10	147.54
613102	300	14	40	1010	1E	5	228.69

430/3

Cleste menghina

- *falci forjate din otel special de scule*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*





UNIOR

	L	A					
601551	175	10	30	365	1E	10	128.36
601552	250	12	35	596	1E	10	144.10
601553	300	14	40	1023	1E	5	223.11

432/3A

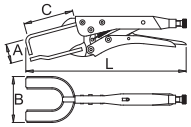
Cleste menghina pentru sudura

- *falci forjate din otel special de scule*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*

Utilizare

- *pentru tevi indoite*





UNIOR

	L	A	B	C	D				
601142	280	30	76	75	43	851	1E	5	197.38

432/3C

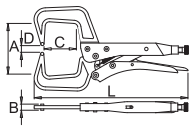
Cleste menghina pentru sudura

- *falci forjate din otel special de scule*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*

Utilizare

- *pentru table si profile*





UNIOR

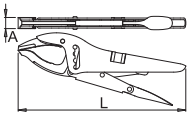
	L	A	B	C	D				
601144	280	82	10	55	50	717	1E	5	191.48

434/3C

Cleste menghina

- *falci forjate din otel special de scule*
- *manere din tabla*
- *acoperire nichelare*
- *clesti menghina*





UNIOR





	L	A					
616723	250	16	80	615	1E	5	221.48

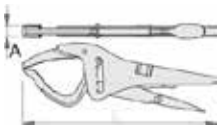


434/3A

Cleste menghina

- *falci forjate din otel special de scule*
- *manere din tabla*
- *acoperire nichelare*
- *clesti menghina*







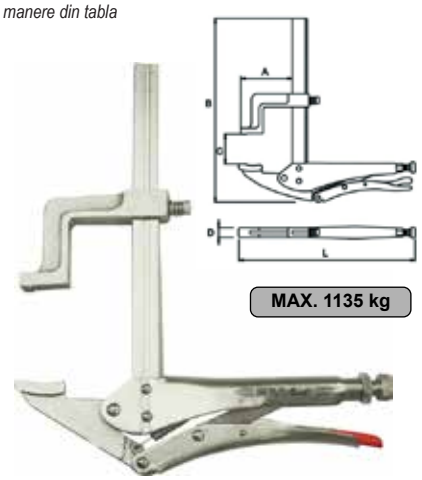
UNIOR

	L	A					
616721	250	16	120	695	1E	5	240.66

62571

Cleste menghina falca reglabila

- *falci forjate din otel special de scule 50-55HRc*
- *manere din tabla*



MAX. 1135 kg

EGA Master ART IN INNOVATION TITACROM®

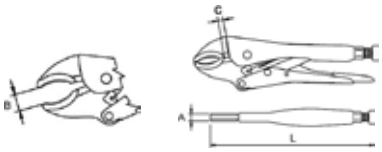
	L	A	B	C	D	
62571	10”	79	292	170	15	811.72

Cleste menghina cu falci curbate

- *falci forjate din otel special de scule 50-55HRc*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*
- *falci simetrice*

4” MAX. 363 kg
5” MAX. 408 kg
7” MAX. 1135 kg
10” MAX. 1135 kg





EGA Master ART IN INNOVATION TITACROM®

	L	A					
62179	4”	7	11	100	1E	6	85.96
62177	5”	8	13	160	1E	6	103.58
62178	7”	13	21	360	1E	6	120.84
62172	10”	14	24	550	1E	6	171.10

434/3B

Cleste menghina

- *falci forjate din otel special de scule*
- *manere din tabla*
- *acoperire nichelare*
- *clesti menghina*







UNIOR

	L	A					
616722	250	16	50	544	1E	5	214.43

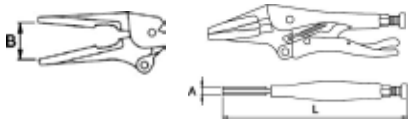
NOU

Cleste menghina cu varf lung

- *falci forjate din otel special de scule 50-55HRc*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*

6.5” MAX. 204 kg
8.5” MAX. 408 kg





EGA Master ART IN INNOVATION TITACROM®

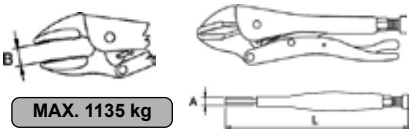
	L	A					
62485	6.5”	8	19	185	1E	6	161.21
62486	8.5”	10	34	408	1E	6	230.15

NOU

Cleste menghina cu falci drepte

- *falci forjate din otel special de scule 50-55HRc*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*





MAX. 1135 kg

EGA Master ART IN INNOVATION TITACROM®

	L	A					
62414	7”	14	21	350	1E	6	120.84
62231	10”	16	24	500	1E	6	164.04

NOU

Cleste menghina multipozitional

- *falci forjate din otel special de scule 45-50HRc*
- *manere din tabla 35-45HRc*
- *acoperire nichelare*
- *surub fosfatat*

MAX. 1135 kg



TITACROM®

EGA Master ART IN INNOVATION

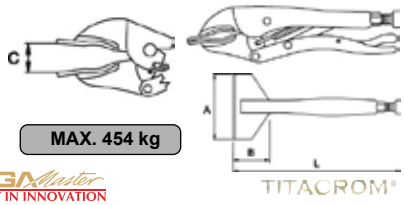
	L	A					
62097	10”	18	100	650	1E	8	427.80

NOU

Cleste menghina pentru tabla

- *falci forjate din otel special de scule 35-40HRc*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*





MAX. 454 kg

EGA Master ART IN INNOVATION TITACROM®

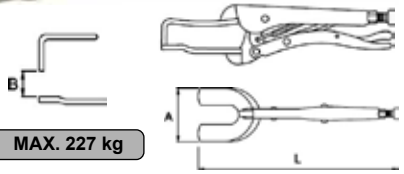
	L	A					
62487	8”	80	17	490.	1E	4	284.65

NOU

Cleste menghina pentru sudura

- *falci forjate din otel special de scule 40-45HRc*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*





MAX. 227 kg

EGA Master ART IN INNOVATION TITACROM®

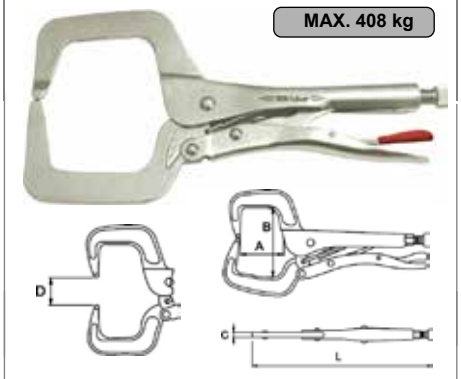
	L	A					
62508	9”	70	26	600	1E	2	227.99
62509	11”	75	36	800	1E	2	252.97

NOU

Cleste menghina tip C

- *falci forjate din otel special de scule50-55HRc*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*

MAX. 408 kg



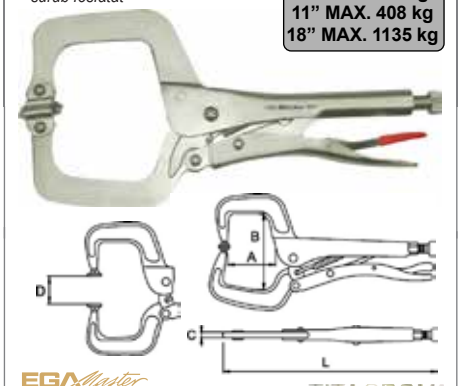
EGA Master ART IN INNOVATION TITACROM®

	L	A					
62492	11”	75	100	750.	1E	6	279.45

Cleste menghina tip C bacuri basculante

- *falci forjate din otel special de scule 50-55HRc*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*

7” MAX. 227 kg
11” MAX. 408 kg
18” MAX. 1135 kg



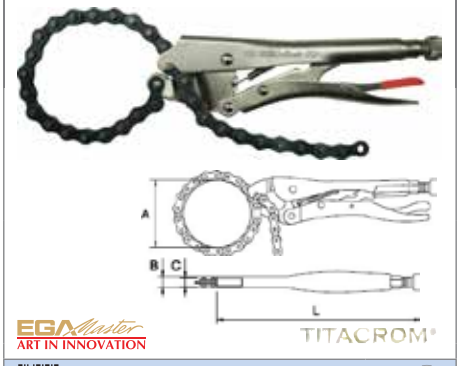
EGA Master ART IN INNOVATION TITACROM®

	L	A					
62489	7”	55	55	270	1E	6	241.23
62490	11”	70	95	408	1E	6	324.21
62491	18”	250	100	1450	1E	6	541.27

NOU

Cleste menghina cu lant

- *falci forjate din otel special de scule 40-45HRc*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*



EGA Master ART IN INNOVATION TITACROM®

	L	A					
62174	9”	150	13	750	1E	1	390.84
62601	9”	215	13	850	1E	1	454.49

436/4P

Cleste universal pentru sudura

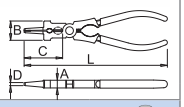
- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *arc de redeschidere*
- *cap vopsit*
- *acoperire: fosfatare conform standardului DIN 12476*
- *manere de plastic*

Utilizare

- *cleste universal pentru sudura destinat intretinerii pistoletelor pentru sudarea electrica cu gaz protector (sudura MAG/MIG)*
- *eliminare stropi de sudura din interiorul si exteriorul duzei*
- *curatirea stropilor de sudura de pe duza de capat*
- *Instalare si demontare duza*
- *Instalare si montare varf*
- *taiere sarma de sudura*
- *scoatere sarma de sudura*
- *montare bucsa de schimb*
- *lovire*



UNIOR



	L	B	D	A	C				
616493	180	25	3	10	59	212	1G	10	202.46
616494	210	34	3.5	11	80	306	1G	10	211.97



duza murdara



eliminare stropi de sudura din interiorul si exteriorul duzei



curatirea stropilor de sudura de pe duza de capat



Instalare si demontare duza



taiere sarma de sudura



scoatere sarma de sudura



montare bucsa de schimb



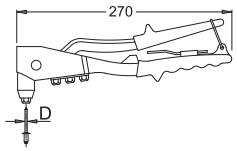
lovire

1300/6

Cleste pentru nituri pop

- *material: carcasa din aliaj de aluminiu, manerul de actionare din otel de compozitie speciala*
- *maner:forma ergonomica*
- *arc de redeschidere*
- *prevazuta cu capete pentru nituri pop pana la 4,8 mm sau 3/16"*
- *cu cheie pentru schimbarea pieselor de capat*





UNIOR

	D1	D2	D3	D4		
615454	2.4	3.2	4.0	4.8	567	168.69

65859

NOU

Cleste pentru nituri pop

- *falci lungi pentru aplicații de nituire greu accesibile*
- *maner ergonomic pentru o utilizare mai confortabila si mai simpla. Sistemul de acordeon permite nituirea rapida fara a aplica o rezistenta excesiva.*
- *sistem de duze pentru diferite dimensiuni de nituri*



EGA Master ART IN INNOVATION

	D1	D2	D3	D4	D5		
65859	3.2	4.0	4.8	6.0	6.4	567	1077.63



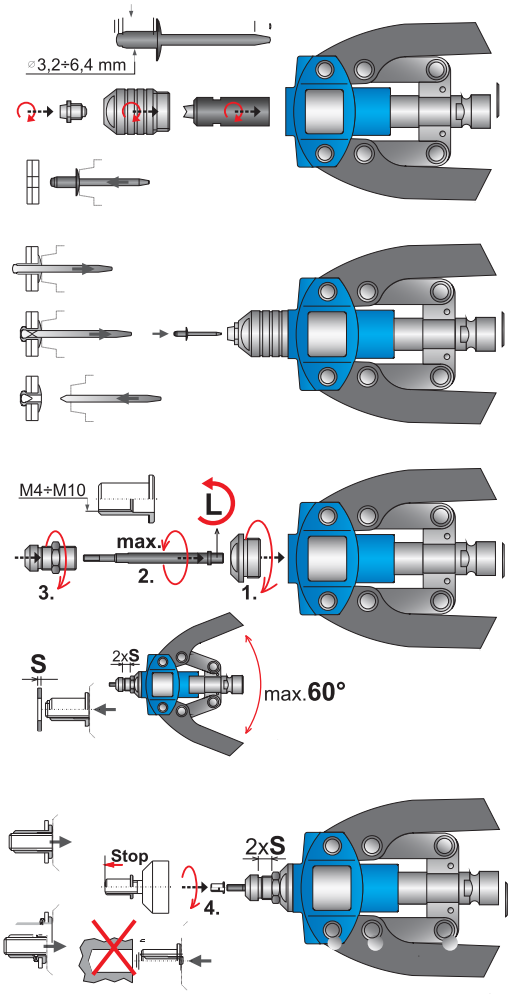


1301/6

Set cleste nituri pop

- *constructie usoara si durabila*
- *4 capete pentru nituri pop de 3,2 mm-6,4 mm (1/8"-1/4")*
- *4 capete pentru nituri pop filetate de la M4 la M10 (R5/32" - R3/8")*
- *componentele sunt montate intr-un suport SOS adaptabil pentru caruciorele Unior*
- *manere vopsite cu articulatie pentru lucrari in conditii grele*





UNIOR

619880	3500	1F	1	977.38

1300ST

Set de nituitoare manuale in expozitor de carton



UNIOR

623981	5	1F	1	888.36

5x 1300/6 (2.4 (3/32") x 3.2 (1/8") x 4.0 (5/32") x 4.8 (3/16"))

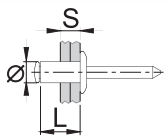
1301.1/4

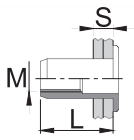
Dorn pentru nituri oarbe pentru 1301/6



UNIOR

621437	M4	47	1E	1	32.13
621438	M5	49	1E	1	32.13
621439	M6	49	1E	1	32.13
621440	M8	71	1E	1	40.16
621441	M10	78	1E	1	40.16





Ø	S	L	Ø	S	L
3,2	0,5÷ 1,6	4,5	4,8	16,0÷19,8	25,5
	1,0÷ 3,2	6,0		19,1÷22,2	27,1
	1,5÷ 5,0	8,0		19,8÷26,2	32,0
	3,0÷ 6,5	9,5		20,0÷34,0	40,0
	5,0÷ 8,0	11,5		25,0÷39,0	45,0
	6,5÷ 9,5	13,5		30,0÷44,0	50,0
	9,5÷12,7	17,0		41,0÷46,0	55,0
	11,0÷14,3	18,5		46,0÷52,0	60,0
	12,5÷16,6	20,0		52,0÷60,0	70,0
	16,6÷21,0	24,0		60,0÷70,0	80,0
4,0	0,5÷ 1,6	4,9	5,0	0,5÷ 3,5	6,5
	0,5÷ 3,2	7,0		1,5÷ 4,5	8,0
	1,5÷ 4,8	8,5		3,0÷ 6,0	10,0
	3,0÷ 6,4	10,5		4,5÷ 7,5	12,0
	5,0÷ 7,9	12,0		6,0÷ 9,5	14,0
	6,5÷ 9,5	14,0		7,5÷11,5	16,0
	8,0÷11,0	15,5		9,5÷13,5	18,0
	9,5÷12,7	17,5		11,5÷15,5	20,0
	11,0÷14,3	19,0		13,5÷17,5	22,0
	12,5÷15,9	20,0		15,5÷20,5	25,0
	13,5÷17,4	22,5	6,0	0,5÷ 3,5	8,0
	16,0÷19,8	24,5		1,5÷ 5,5	10,0
4,8	0,5÷ 2,3	6,5		3,5÷ 7,5	12,0
	1,0÷ 3,2	7,5		5,5÷ 9,5	14,0
	1,5÷ 4,8	9,0		7,5÷11,0	16,0
	3,0÷ 6,4	11,0		9,5÷13,5	18,0
	5,0÷ 7,9	12,5		11,5÷15,5	20,0
	8,0÷11,1	16,5	6,4	3,0÷ 6,4	12,5
	11,1÷12,7	18,0		8,0÷12,7	19,5
	11,1÷13,5	19,0		12,0÷19,0	26,0
	13,5÷16,0	21,0		19,1÷25,4	31,5

M	S	L
4	0,5÷3,0	10,8
	3,0÷4,5	12,3
5	0,5÷3,0	12,0
	3,0÷5,5	15,0
6	0,5÷3,0	14,5
	3,0÷5,5	16,5
	5,5÷8,0	19,0
8	0,5÷3,0	16,0
	3,0÷5,5	18,5
	5,5÷8,0	21,5
10	0,8÷3,5	21,0
	3,5÷6,0	24,0

514/1BI

CLESTE MULTIFUNCTIONAL PENTRU ELECTRICIENI

Indispensabil pentru electricieni

7 functii diferite

Capacitate de taiere (10 N = 1 kg)		
Dim.	max. 1600 N/mm² Ø T	max. 650 N/mm² Ø T
160	ø 1.6 mm	ø 2.0 mm



Indoirea sarmei dure si producerea de curbe de pana la ø 3,5 mm – in partea dreapta sau stanga! Aceasta unealta are crestaturi adecvate pe ambele parti ale falcii pentru a produce curbe



Prinderea suprafetelor sensibile – cu falci slefuite fin



Comprimarea terminalelor



Putere de aderenta extrema datorita formei manerelor – in timpul lucrului, mana are mai mult sprijin, oferind o transmisie mai sigura si o stabilitate mai mare





Comprimarea conectorilor pentru cabluri la ø 4,0 mm



Falcile zimtate sporeste aderenta. Aderenta mai buna a cablurilor si firelor



Indepartarea izolatiilor de la ø2,2 mm la ø 3,0 mm



Indepartarea izolatiilor de la ø 3,5 mm la ø 4,0 mm



Taiere sarma de la ø 2,2 mm la ø 4,0 mm



Adaptabilitate maxima datorita formei ergonomice a manerelor bimaterial, realizate din material care reduce posibilitatea de aderenta a mainilor in timpul lucrului

UNIOR®



FOARFECI

Taiere in securitate completa

Conceputa pentru o taiere precisa si sigura a tablelor de otel, a armaturilor pentru beton armat, a firelor, cablurilor sau tevilor PVC, dar in acelasi timp si pentru folosirea in vii, gama variata de foarfeci Unior isi demonstreaza avantajele pentru o plaja larga de utilizari, atat profesionale, cat si casnice.

Otel de calitate superioara

Fabricate din oteluri carbon de calitate superioara, foarfecii Unior au falci forjate la cald, lame tratate prin inductie, manere plastizolate sau mansonate si o protectie eficace a suprafetelor.

Lame calite

Cu lame din otel calit corespunzator, puteti lucra fara efort si cu excelente rezultate

UNIOR® EDMA® UN OUTIL D'AVANCE EGA Master ART IN INNOVATION Finie Malco®

Un procedeu special pentru fabricarea foarfecelor

FALCILE (STANGA SI FREAPTA)
1. Decupare: Bara de otel este decupata de o masina la forma ceruta; precizia decuparii asigura un surplus minim de materie prima



2. Forjare: Piesele forjate sunt realizate in matrite de forjare la cald. Aceasta permite forme variate si ergonomice ale produselor. Orientarea potrivita a fibrelor (aceeasi ca in barele de otel) este mentinuta folosind procesele corespunzatoare de forjare.



3. Debavurare: eliminarea bavurilor dupa forjare

4. Uzinare: Prin gaurire se poate obtine precizia ceruta a poztionarii pentru fiecare falca in parte

5. Tratament termic: Tratamentul termic de calire si revenire si calire este folosit pentru imbunatatirea structurii otelului, ca sa furnizeze o mai buna rezistenta si duritate produsului si alte caracteristici necesare pentru a suporta solicitarile pe care le cere lucrul cu acest produs



6. Intarire prin inductie: Tratamentul de calire si revenire al falcilor asigura un grad inalt de duritate pentru partile functionale ale foarfecilor. Prin tratamentul prin inductie, putem obtine microstructura si duritatea optime, ceea ce asigura foarfecilor o durata lunga de folosire.



7. Polizare a lamelor: Polizarea este facuta cu masini CNC speciale, care sunt folosite pentru obtinerea unghiurilor corecte si optime pentru lame si - ca urmare - proprietati optime de taiere pentru foarfecile Unior

MANER
8. O cupiura de tabla, care foloseste ca baza, este facuta din tabla de calitate care asigura manerului rigiditatea si duritatea potrivite chiar si in conditii de sarcini maxime.



9. Indoirea manerului: Forma dorita a manerului este obtinuta prin indoirea acestuia folosind masini speciale cu o scula de indoire care asigura legatura potrivita intre falci si manere



10. Nichelare: Protectia prin nichelare da produsului un aspect profesional si asigura rezistenta la coroziune



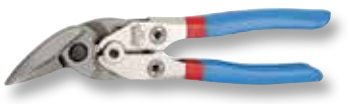
11. Asamblarea manerului: Manerele sunt asamblate impreuna printr-un procedeu de nituire care le confera o buna manevrabilitate.



12. Asamblarea falcilor: Lamele stanga si dreapta sunt asamblate impreuna cu un surub intr-o legatura flexibila si fluenta

13. Ansamblu falca-maner: Ambele lame sunt prinse in manere printr-o legatura ferma care asigura functionarea ceruta chiar si in cele mai grele conditii

14. Asamblare finala: Lucratori antrenati, indemanatici si meticulosi care executa asamblarea finala vor asambla produsul intr-un intreg care asigura functionalitatea si calitatea inalta a produsului



Foarfeci de tabla - universale 198
Foarfeci de tabla - aviatie 199
Foarfeci de tabla cu arc 200
Foarfeci de uz general 200
Foarfeci de tabla Nibbler 202
Taietor de sarma de otel; Taietor de cabluri 202
Foarfeci de vie 202
Clesti de buloane 205
Ghilotine de banc 207



563R/7PR

Foarfeca universala de tabla

- *material: otel carbon de scule*
- *tratat complet*
- *taisul tratat prin inductie la cca 62 HRC*
- *protectie anticoroziva*
- *manere de plastic*

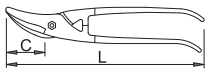
Utilizare

- *pentru taierea de tabla de 400 N/mm² grosime pana la 1,2 mm*









UNIOR

	L	C				
615037	280	51	567	4B	10	153.93

572L/7PR

Foarfeci de fasonat tabla

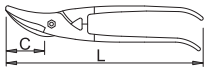
- *material: otel carbon de scule*
- *tratat complet*
- *taisul tratat prin inductie la cca 62 HRC*
- *protectie anticoroziva*
- *manere de plastic*

Utilizare

- *pentru taierea de tabla de 400 N/mm² grosime pana la 1,2 mm*







UNIOR

	L	C				
615042	280	50	502	4B	10	144.92

592R/7PR

Foarfeca de tabla tip pelican

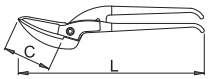
- *material: otel carbon de scule*
- *tratat complet*
- *taisul tratat prin inductie la cca 62 HRC*
- *protectie anticoroziva*
- *manere de plastic*

Utilizare

- *pentru taierea de tabla de 400 N/mm² grosime pana la 1,2 mm*







UNIOR

	L	C				
615035	350	90	880	4B	1	189.34

563L/7PR

Foarfeci de tabla universale

- *material: otel carbon de scule*
- *tratat complet*
- *taisul tratat prin inductie la cca 62 HRC*
- *protectie anticoroziva*
- *manere de plastic*

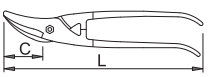
Utilizare

- *pentru taierea de tabla de 400 N/mm² grosime pana la 1,2 mm*









UNIOR

	L	C				
615038	280	51	567	4B	10	153.93

572R/7PR

Foarfeci de fasonat tabla

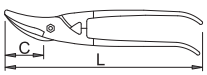
- *material: otel carbon de scule*
- *tratat complet*
- *taisul tratat prin inductie la cca 62 HRC*
- *protectie anticoroziva*
- *manere de plastic*

Utilizare

- *pentru taierea de tabla de 400 N/mm² grosime pana la 1,2 mm*







UNIOR

	L	C				
615041	280	50	446	4B	10	144.92

568L/7P

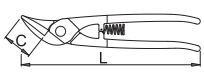
Foarfeca de tabla tip ideal

- *material: otel carbon de scule*
- *forjata*
- *taisul tratat prin inductie la cca. 62 HRC*
- *tratat complet*
- *cap vopsit*
- *protectie anticoroziva*
- *manere de plastic*
- *arc de redeschidere*
- *pentru taierea de tabla de 400 N/mm² grosime pana la 1,2 mm*









UNIOR

	L	C				
610945	250	35	532	4B	10	157.38

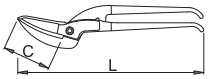
567R/7P

Foarfeci de tabla tip pelican

- *material: otel carbon de scule*
- *tratat complet*
- *taisul tratat prin inductie la cca 62 HRC*
- *cap vopsit*
- *protectie anticoroziva*
- *manere de plastic*
- *arc de redeschidere*
- *pentru taierea de tabla de 400 N/mm² grosime pana la 1,2 mm*







UNIOR

	L	C				
609335	290	56	672	4B	10	180.66

568R/7P

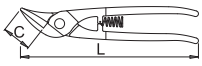
Foarfeca de tabla tip ideal

- *material: otel carbon de scule*
- *tratat complet*
- *taisul tratat prin inductie la cca 62 HRC*
- *cap vopsit*
- *protectie anticoroziva*
- *manere de plastic*
- *arc de redeschidere*
- *pentru taierea de tabla de 400 N/mm² grosime pana la 1,2 mm*









UNIOR

	L	C				
609336	250	35	532	4B	10	157.38

569R/7P

Foarfeca de tabla tip berlina

- *material: otel carbon de scule*
- *tratat complet*
- *taisul tratat prin inductie la cca. 62 HRC*
- *cap vopsit*
- *protectie anticoroziva*
- *manere de plastic*

Avantaje:

- *arc de redeschidere*

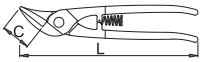
Utilizare

- *pentru taierea de tabla de 400 N/mm² grosime pana la 1,25 mm*





UNIOR



	L	C				
609334	250	55	452	4B	10	152.30

UPPER-CUT NOU

Foarfeca "PASSE-FRANC" taiere stanga

- *foarfeca tabla cu lame decalate.*
- *capacitati de taiere:*
- *0,9 mm: otel inoxidabil*
- *1 mm : tabla de otel*
- *1,2 mm : tabla zincata, zinc.*
- *1,5 mm : cupru, alama, tabla*
- *2 mm : PVC, aluminiu.*
- *2,5 mm : policarbonat.*
- *lungimea lamei: 35 mm.*
- *aparatoare pentru degete*



EDMA

	mm		
102055	35	590	269.02

FLYER'S NOU

Foarfeca aviatie falci scurte "FLYER'S"

- *capacitate de taiere:*
- *1,2 mm : tabla, zincata, zinc.*
- *0,8 mm: otel inoxidabil.*
- *falci din otel crom molibden forjat.*
- *arc de maner.*
- *deblocare automată cu o mana*
- *taiere fără efort.*
- *lungimea lamei: 42 mm.*
- *aparatoare pentru degete.*



EDMA

	mm		
010755	35	590	194.59

UPPER-CUT NOU

Foarfeca "PASSE-FRANC" taiere dreapta

- *foarfeca tabla cu lame decalate.*
- *capacitati de taiere:*
- *0,9 mm: otel inoxidabil*
- *1 mm : tabla de otel*
- *1,2 mm : tabla zincata, zinc.*
- *1,5 mm : cupru, alama, tabla*
- *2 mm : PVC, aluminiu.*
- *2,5 mm : policarbonat.*
- *lungimea lamei: 35 mm.*
- *aparatoare pentru degete*



EDMA

	mm		
010255	35	610	269.02





FLYER'SL NOU

Foarfeca aviatie falci lungi 75 mm

- *speciala pentru zinc.*
- *capacitate de taiere:*
- *0,8 mm: otel inoxidabil.*
- *1,2 mm: metal moale.*
- *lame zimtate din otel crom molibden.*
- *arc maner puternic si de lunga durata*
- *aparatoare pentru degete.*
- *deblocare automata cu o mana*



EDMA

	mm		
010655	75	460	246.23

APOLLO NOU

Foarfeca forjata aviatie taiere stanga

- *foarfeca articulata de tabla*
- *capacitati de taiere:*
- *0,9 mm: otel inoxidabil.*
- *1 mm : tabla de otel*
- *1,2 mm : tabla zincata, zinc.*
- *1,5 mm : cupru, alama, tabla*
- *2 mm : PVC, aluminiu.*
- *2,5 mm : policarbonat.*
- *falci din otel crom molibden forjat.*
- *lungimea lamei: 35 mm*
- *aparatoare pentru degete*



EDMA

	mm		
109055	35	570	215.25



APOLLO NOU

Foarfeca forjata aviatie taiere dreapta

- *foarfeca articulata de tabla*
- *capacitati de taiere:*
- *0,9 mm: otel inoxidabil.*
- *1 mm : tabla de otel*
- *1,2 mm : tabla zincata, zinc.*
- *1,5 mm : cupru, alama, tabla*
- *2 mm : PVC, aluminiu.*
- *2,5 mm : policarbonat.*
- *falci din otel crom molibden forjat.*
- *lungimea lamei: 35 mm*
- *aparatoare pentru degete*



EDMA

	mm		
010955	35	570	215.25



Max2000® R NOU

Foarfeca aviatie pe dreapta

• foarfecele pentru aviatie Max2000 de la Malco sunt optiunea ce mai buna pentru nevoile dvs. de taiere a plasticului de vinil si a metalelor
• aceste taieturi offset au manere ergonomice in stil euro pentru un confort sporit. Manerele termoplastice texturate, de culoare uni, mulate si opritoarele pentru degete completeaza o deschidere mai ingusta a manerului pentru a se potrivi mainilor mari sau mici. Un zavor ambidextru, actionat cu degetul mare si un arc de compresie inlocuibil completeaza acest design uşor de utilizat.
• taierele pentru aviatie Max2000 Offset de la Malco au muchii intarite superioare ale lamei pentru o durata de viata „maxima" de taiere. Legatura compusa nituita, cap la maner, multiplica efectul de parghie aplicat de utilizator. Legatura nu se va zgudui sau slabi niciodata!
• surub pivotant usor de reglat, cu piulita de blocare din nailon, isi mentine reglarea in siguranta pentru aceste taieturi de aviatie care lucreaza din greu



Malco

	mm		
M2007 EV	254	397	524.91

Max2000® L NOU

Foarfeca aviatie pe stanga

• foarfecele pentru aviatie Max2000 de la Malco sunt optiunea ce mai buna pentru nevoile dvs. de taiere a plasticului de vinil si a metalelor
• aceste taieturi offset au manere ergonomice in stil euro pentru un confort sporit. Manerele termoplastice texturate, de culoare uni, mulate si opritoarele pentru degete completeaza o deschidere mai ingusta a manerului pentru a se potrivi mainilor mari sau mici. Un zavor ambidextru, actionat cu degetul mare si un arc de compresie inlocuibil completeaza acest design uşor de utilizat.
• taierele pentru aviatie Max2000 Offset de la Malco au muchii intarite superioare ale lamei pentru o durata de viata „maxima" de taiere. Legatura compusa nituita, cap la maner, multiplica efectul de parghie aplicat de utilizator. Legatura nu se va zgudui sau slabi niciodata!
• surub pivotant usor de reglat, cu piulita de blocare din nailon, isi mentine reglarea in siguranta pentru aceste taieturi de aviatie care lucreaza din greu



Malco

	mm		
M2006 EV	254	397	524.91

074555

Foarfeca universala cu falci unghiulare

- *cu greutate redusa si usor de folosit*
- *falci din otel inoxidabil zimtate de 42 mm*
- *brate incasabile, usor de manevrat*
- *aplicatii: renovari, zugravit, gradinarit, industria textila, intretinere, constructii, industrie*
- *falci inclinate pentru un confort optim*







EDMA

	mm		
074555	185	167	109.34

FR1135

Foarfeca multifunctionala pentru electricieni

- *material: otel inoxidabil*
- *falci tratate prin inductie*



FRIEDRICH Sicherheitswerkzeuge

	L		
FR113533	190	125	141.64

FR1147

Foarfeca pentru taiat cabluri

- *material: otel inoxidabil*
- *pentru cabluri din materiale moi, cupru si aluminiu*



FRIEDRICH Sicherheitswerkzeuge

	L	Ø mm		
FR114738	160	10	195	129.84

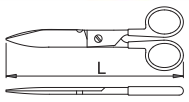
582/3PR NOU

Foarfeca electrician 140 mm cu taietor cabluri

- *lame micro-dintate din otel inoxidabil*
- *maner ABS*
- *functie de taiere a cablurilor pe lama*
- *stift cu surub reglabil*
- *lungime: 140 mm*
- *greutate: 64 g*



UNIOR Premium Flex+



	L				
629397	140	64	4B	8	49.18

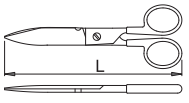
582/3BI NOU

Foarfeca electrician 145 mm cu taietor cabluri

- *lame micro-dintate din otel inoxidabil*
- *manere antiderapante din ABS bicolor cu acoperire cauciucata termoplastica a pieselor supuse uzurii care garanteaza un confort ridicat la utilizare prelungita*
- *stift cu surub reglabil*
- *lungime: 145 mm*
- *greutate: 60 g*



UNIOR Premium Flex+



	L				
629398	145	60	4B	8	83.61

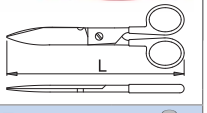
582/3P-US NOU

Foarfeca electrician 150 mm cu taietor cabluri

- *material: otel carbon premium plus flex*
- *forjata*
- *margini de taiere călite prin inductie*
- *finisaj suprafata: placat cu nichel*
- *manere plastizolate*
- *lungime: 150 mm*
- *lungime falci: 52 mm*
- *greutate: 64 g*



UNIOR Premium Flex+



	L				
628278	150	64	4B	8	136.72

NOU

Foarfeca de tabla dreapta

- *foarfecile de tabla sunt utilizate pe scara larga in industria de productie si constructii pentru sarcini care implica taierea si modelarea tablelor metalice, conductelor, foilor de acoperis si a altor materiale subtiri. Designul lor facilitează taierea curbelor si a formelor complexe, facandu-le instrumente versatile pentru prelucrarea de precizie a tablei.*
- *taiere usoara si curata*
- *manere ergonomice care ofera o prindere confortabila si un control precis in timpul taierii*
- *material corp: otel carbon*
- *material manere: PVC negru*
- *duritate muchii lame: 58-60 HRC*
- *finisare: lustruire*



EGA Master ART IN INNOVATION

D A

	L	Cap				
62232	200	0,5	350	4B	6	242.56
62159	250	1,0	550	4B	6	309.49
62233	300	1,2	700	4B	4	399.69
62234	350	1,2	900	4B	4	607.75

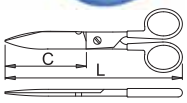
582/3P

Foarfeca de electrician

- *material: otel carbon de scule*
- *forjata*
- *partile taietoare tratate prin inductie*
- *acoperire nichelare*
- *manere de plastic*



UNIOR



	L	C				
601127	150	52	81	4B	10	111.64

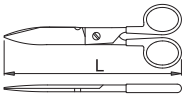
69534 NOU

Foarfeca de electrician lama dreapta

- *foarfecele de electrician EGA Master sunt esentiale pentru lucrarile electrice, cum ar fi taierea si decuparea firelor*
- *includeti incalcarea pentru decuparea firelor*
- *lame speciale din otel cu duritate 56-62 HRc*



EGA Master ART IN INNOVATION



	L				
69534	145	100	4B	8	140.76

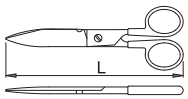
69535 NOU

Foarfeca de electrician lama curbata

- *foarfecele de electrician EGA Master sunt esentiale pentru lucrarile electrice, cum ar fi taierea si decuparea firelor*
- *includeti incalcarea pentru decuparea firelor*
- *lame speciale din otel cu duritate 56-62 HRc*



EGA Master ART IN INNOVATION



	L				
69535	145	105	4B	8	144.04



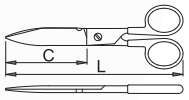
135055 NOU

Foarfeca speciala pentru foi de plastic

- *pentru acoperis si foi de etansare.*
- *lame lustruite.*
- *lacuit negru.*
- *lame de 250 mm*



EDMA



	L				
135055	250	380	4B	8	214.59



011355

Foarfeca tip Nibbler pentru tabla ondulata pana la 2 mm

- *special pentru tabla ondulata*
- *capacitati de taiere:*
- *0,6 mm: otel inoxidabil.*
- *1,2 mm: otel zincat, zinc, tabla.*
- *2 mm: PVC, pardoseala din vinilin, aluminiu.*

«The Original»



EDMA

	mm		
011355	275	540	356.23

010155

Foarfeca tip Nibbler pentru profile

- *pentru tabla plana*
- *perfect pentru taierea profilelor*
- *capacitati de taiere:*
- *0,6 mm: otel inoxidabil.*
- *1,2 mm: otel zincat, zinc, tabla*
- *2 mm: PVC, pardoseala din vinilin, aluminiu.*

«The Original»



EDMA

	mm		
010155	275	510	305.90

011055

Foarfeca tip Nibbler pentru tabla

- *pentru tabla plana*
- *capacitati de taiere:*
- *0,6 mm: otel inoxidabil.*
- *1,2 mm: otel zincat, zinc, tabla*
- *2 mm: PVC, pardoseala din vinilin, aluminiu.*

«The Original»



EDMA

	mm		
011055	275	525	323.77



583/6

Foarfeca pentru PVC

- *material cutit-otel inox molibden, manere-aliaj de aluminiu*

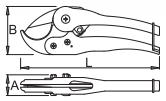
Avantaje:

- *clichet de actionare la taiere*
- *se asigura un unghi corect de taiere*

Utilizare

- *destinat pentru taierea tevilor din PVC (dim. 195 pana la 1" si dim. 210 pana la 1,5" grosime)*





UNIOR

	L					
605418	195	1	295	1E	10	344.92
609405	210	1.5	385	1E	5	426.89

583.1/7

Cutite de schimb pentru art. 583



UNIOR

		L				
605419	1"	195	64	1E	1	186.23
609406	1.5"	215	67	1E	1	219.34

542.1/5

Arc de schimb pentru 542



UNIOR

603870	13	1E	1	19.45

580/1BI

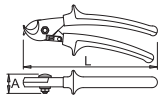
Foarfeca pentru cabluri

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *finisare:cromat in conformitate cu standardul EN12540*
- *cap polizat*
- *manere bimaterial pentru conditii grele*
- *marcaj injectat UNIOR*

Important

- *pentru taierea cablurilor fara inima de otel*





UNIOR

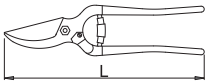
	L	A	Øf				
609238	170	22	10	339	4B	1	200.49
609239	230	22	17	444	4B	1	228.85

542/4PR

Foarfeca de cultura

- *material: otel carbon de scule*
- *forjata*
- *partile taietoare tratate prin inductie*
- *acoperire: fosfatare*
- *manere de plastic*





UNIOR

	L				
601578	220	310	4B	10	116.07

550/3PR

Foarfeca de gradina

- *mateial: lama din otel aliat*
- *falca glisanta din aluminiu*
- *partea taietoare tratata la min.50 HRC*
- *lama placata cu teflon*
- *acoperire nichelare*
- *manere de plastic*

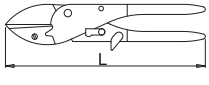
Avantaje:

- *blocare pentru prevenirea deschiderii accidentale*
- *maner anti-alunecare*

Utilizare

- *folosita pentru taieri de gradina*





UNIOR

	L				
601590	200	287	4B	10	150.66

550.1/9

Falca pentru art. 550

- *cutit; falca; surub; bucsa*



601585	50	1E	1	94.67

550.2/9

Lama pentru art. 550



601592	30	1E	1	37.38

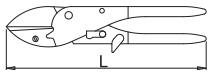
544PR

Foarfeca de cultura cu manere de aluminiu

!

- *material: lama din otel aliat*
- *manere de aluminiu*
- *partea taietoare tratata la min.50 HRC*
- *partile taietoare ascutite slefuite, inlocuibile*
- *design ergonomic*
- *cap slefuit*
- *manere de plastic*
- *cu amortizor*





	L				
601580	215	220	4B	10	66.89

550.3/9

Lama de schimb pentru 550

- *arc laminat*



601591	17	1E	1	10.33



555/6

Foarfeca pentru pomi

!

- *material: lama din otel aliat*
- *falca de aluminiu, manere din otel*
- *falci tratate la 35 HRC*
- *lama tratata prin inductie la 50 HRC, ascutite slefuite, placata cu teflon*
- *manere vopsite cu articulatie pentru lucrari in conditii grele*

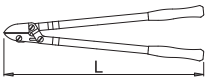
Avantaje:

- *capacitatea de taiere R 40 mm*
- *articulatie performanta*

Utilizare

- *pentru ramuri de arbori*





	L				
603522	750	1895	1C	1	492.13

555.1/9

Elemente de schimb pentru art. 555



605214	225	1E	1	99.51

555.2/9

Falca de schimb pentru art. 555



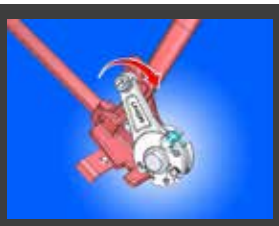
605236	55	1E	1	126.52

596/6 Dispozitiv taiere bara filetata

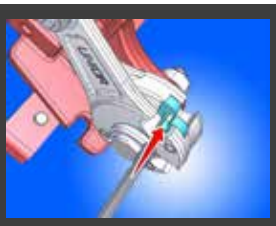
Avantaje:

- capabilitate de taiere a trei dimensiuni diferite de bara filetata
- taiere curata-fara arsuri pe suprafata filetului
- protectia filetului
- protectie anticoroziva
- usor de folosit si manuire usoara
- taiere precisa si rapida a filetelor

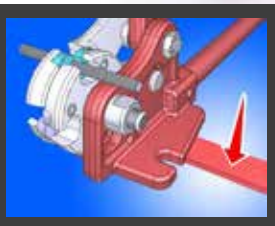




Pentru o taiere corecta, cutitele trebuiesc deschise prin ridicarea la maxim a manerului. In momentul deschiderii maxime introduceti bara filetata intre bacuri pentru dimensiunea barei.



1. Introduceti bara filetata intre bacuri pentru dimensiunea corespunzatoare diametrului barei filetate.
2. Bara filetata trebuie fixata ferm intre bacuri



Important de retinut cand taiati:
1.Cand lucrati pe pardoseala aplicati presiune cu piciorul pe brat.

586/6

Dispozitiv pentru taiere tije filetate

- *executat din otel special forjat,prevazut cu cutite interschimbabile ce permite taierea usoara chiar si a barelor filetate pana la clasa 8,8*
- *tratat complet*
- *cutitele de taiere sunt tratate termic pentru cresterea rezistentei acestora*
- *Manerul este confectionat din teava vopsita in camp electrostati si manere de plastic pentru o prindere ferma si usoara*

Avantaje:

- *Capabilitate de taiere a trei dimensiuni diferite de bare filetate*
- *taiere curata-fara arsuri pe suprafata filetului*
- *protectia filetului*
- *protectie anticoroziva*
- *usor de folosit si manuire usoara*
- *taiere precisa si rapida a filetelor*
- *manerul a fost realizat la o lungime care sa permita o taire rapida si uniforma. In acelasi timp o forta de taiere mai mica este necesara pentru taierea barelor filetate.*
- *deschidere usoara a cutitelor*
- *pentru o taiere corecta, cutitele trebuiesc deschise prin ridicarea la maxim a manerului.In momentul deschiderii maxime introduceti bara filetata intre bacuri pentru dimensiunea barei.*

Taierea filetului

- *1. Introduceti bara filetata intre bacuri pentru dimensiunea corespunzatoare dimensiunii barei filetate.*
- *2. Bara filetata trebuie fixata ferm intre bacuri*

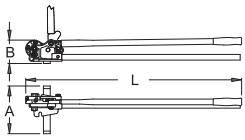
Important de retinut cand taiati

- *1. Cand lucrati pe pardoseala aplicati presiune cu piciorul pe brat*
- *2. Dispozitivul este destinat taierii numai tije filetate M8, M10, M12*
- *3. Dispozitivul nu este destinat taierii barelor filetate calite si a bolturilor*
- *4. Cand taierea este incorecta inlocuiti intotdeauna bacurile de taiere cu unele noi*
- *posibilitate de inlocuire a bacurilor uzate*
- *material bacuri otel special de scule*
- *taie tije filetate de M8,M10,M12*
- *taiere curata fara arderi*
- *protectie a filetelor*
- *mod de operare simplu*

Atentionari!

- *inainte de lucru cititi cu atentie instructiunile*
- *cand lucrati folositi intotdeauna ochelari de protectie*





620256	M 8	M 10	M 12	945	95	210	5750	1D	1	**1423.44**
621479	M 6	M 8	M 10	945	95	210	5100	1D	1	**1423.44**

586.1/7

Falca pentru art. 586/6



621480	M6	31	1E	1	**76.56**
620653	M8	32	1E	1	**76.56**
620654	M10	36	1E	1	**80.98**
620655	M12	38	1E	1	**84.75**

586.2/4

Set de 6 suruburi pentru art. 586.1/7



622705	31	1E	1	**19.18**

586.3/7

Corector de filet pentru 586/6



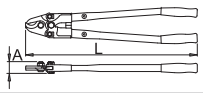
623121	121	1E	1	**93.77**

585/6

Foarfeci de cabluri

- *material: cutite-otel special, forjat, tratate*
- *manere din teava, vopsie, manere din plastic pentru conditii grele*
- *partea de taiere tratata prin inductie*
- *falci interschimbabile*
- *pentru taierea cablurilor fara inima de otel sau invelis metalic*





615226	550	38	23	2080	1D	1	**549.84**
616732	800	42	39	3660	1D	1	**574.26**

585.1/7

Falci de schimb pentru art. 585

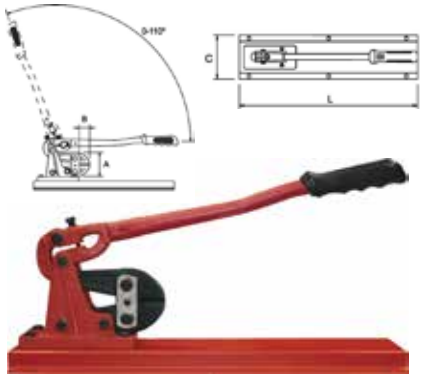


618620	550	354	1E	1	**204.92**
618621	800	810	1E	1	**265.25**

62513 NOU

Foarfeca de banc pentru buloane

- *capacitate mare de taiere, poate taia pana la 10 mm diametrul tijelor de 50 kg/mm² rezistenta la tractiune si pana la 8 mm al tijei de 140 kg/mm²*
- *lamele de taiere sunt fabricate din chrom-molibden, oferind o rezistenta si durabilitate mai mari datorits duritatii de 56-61 HRC.*
- *un instrument ideal pentru locurile de munca care necesita utilizarea frecventa a taietorilor de suruburi*
- *manere ergonomice si confortabile*



62513	600	85	10-8	34	135	5500	**1957.99**

585.1/7P

Falci de schimb pentru art. 585 P



UNIOR

618622	765	643	1E	1	504.43



Un procedeu special pentru fabricarea clestilor de buloane

FALCI

1. Decupare: Bara de otel este decupata de o masina la forma ceruta; precizia decuparii asigura un surplus minim de materie prima



2. Forjare: Piesele forjate sunt facute folosind turnarea la cald. Aceasta permite forme variate si ergonomice ale produselor. Orientarea potrivita a fibrelor (aceeasi ca in barele de otel) este mentinuta folosind procesele corespunzatoare de forjare.



3. Debavurare: eliminarea bavurilor dupa forjare



4. Tratament termic (calire si revenire): Tratamentul termic de durizare si calire este folosit pentru imbunatatirea structurii otelului, ca sa furnizeze o mai buna rezisenta si duritate produsului si alte caracteristici necesare pentru a depasi tensiunile pe care le cere lucrul cu acest produs

ARTICULATII

5. Piesa forjata: Forjata la cald



6. Operare pe masini CNC: Intreaga productie a falcilor este facuta pe masini CNC. Dispozitivele de prindere furnizeaza precizia ceruta pentru calitatea cea mai ridicata a operatiilor de taiere.

ASAMBLAREA MANERELOR SI ARTICULATIILOR

7. Montarea falcilor pe articulatii si presarea: Manerul este apoi ferm presat pe articulatie, ceea ce asigura ca manerul montat sa nu iasa ulterior nici sub cele mai mari sarcini.



8. Indoireaa manerului: Manerul este indoit la unghiul cerut cu un dispozitiv special de indoit, care va furniza utilizatorului ergonomie superioara



9. Acoperire cu vopsea: Utilizand o tehnologie de vopsire pulverizata, se aplica un strat de vopsea protectoare, ceea ce confera produsului un aspect profesional si serveste de asemenea ca protectie a suprafetei.



10. Insertia manerelor: Acoperirea de PVC este inserata pe maner, pentru a oferi operatorului confort si aderenta optime



11. Fabricarea suruburilor si piulitelor: Sunt fabricate pe masini CNC care, pe langa tratamentele termice si calitatea materialelor folosite, aduc o precizie de uzinaj optima, permitand o legatura solida intre elementele produsului



12. Asamblare: Competenta si meticulozitatea lucratorilor maresc calitatatile de asamblare finala a sculelor de taiere si in consecinta, cresc performantele in utilizare ale acestora.



596/6A

Cleste de buloane drept

- *material: cutite-otel special, forjat, tratate*
- *partea de taiere tratata prin inductie*
- *manere din teava, vopsie, manere din plastic pentru conditii grele*

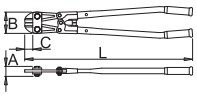
Avantaje:

- *Sistemul de absortie socuri din articulatie asigura absortia socurilor in manere, aceasta la taierea fierului beton.*
- *Protectia suruburilor excentrice pentru reglarea lamelor prin locasuri forjate asigura protectia 100% impotriva desurubarii*



UNIOR





	L	A	B	C				
610964	350	26	55	24	805	1D	1	254.75
610965	450	34	70	36	1500	1D	1	401.80
610966	600	38	84	40	2600	1D	1	525.41
610967	750	43	96	46	3950	1D	1	688.69
610968	900	47	109	50	6300	1D	1	933.77
612984	1050	48	120	46	6900	1D	1	1073.77

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² ØT	max 650 N/mm² ØT
610964	350	3,5	5
610965	450	5	8
610966	600	7	10
610967	750	8	13
610968	900	9	16
612984	1050	10	19

596.1/7A

Elemente de shimb pentru art. 596/6A

- *falca+suruburi+2 piulite*



UNIOR

610970	350	265	1E	1	152.95
610971	450	547	1E	1	232.79
610972	600	877	1E	1	318.69
610973	750	1391	1E	1	357.87
610974	900	1887	1E	1	525.08
613078	1050	2144	1E	1	603.77

596PLUS/6G

Cleste de buloane cu cutite triunghiulare ascutite interschimbabile

- *material: cutite-otel special, forjat, tratate*
- *falci interschimbabile cu reglare in trei pozitii*
- *manere din teava, vopsie, manere din plastic pentru conditii grele*

Avantaje:

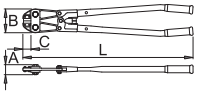
- *strangere extrema si greutate minima*
- *rezistenta importanta la forte maxime generata in timpul taierii.*
- *rezistenta completa anticoroziune*
- *ghidare simpla si manuire buna*
- *absorbant de soc pentru prevenirea incidentelor*
- *lama triunghiulara-durata de viata de 3 ori mai mare*

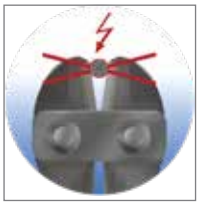
Cum se regleaza partea taietoare?

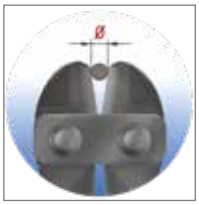
- *Deblocati piulita de siguranta.*
- *Scoateti surubul din locas si rotiti-l pana nu mai exista spatiu intre partile taietoare.*
- *Asigurati piulita.*



UNIOR







	L	A	B	C				
615256	750	43	96	46	4060	1D	1	**766.07**
615257	900	47	109	50	6300	1D	1	**1034.26**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² Ø	max 650 N/mm² Ø
615256	750	8	13
615257	900	9	16

596.1PLUS/7

Falci de schimb pentru art. 596PLUS/6G

- *falca+suruburi+2 piulite*



UNIOR

615258	750	1468	1E	1	**421.48**
615259	900	1956	1E	1	**535.41**

596.3PLUS/7

Cutit de schimb pentru art. 596 PLUS/6G

- *parti de schimb incluzand 1 cutit de taiere*



UNIOR

616521	750	22	1E	1	**80.66**
616522	900	28	1E	1	**106.56**

596.2PLUS/7

Cutite de schimb pentru art. 596PLUS/6G

- *elemente de schimb incluzand:2 cutite, 4 saibe plate, 4 suruburi, 4 piulite*



UNIOR

615260	750	116	1E	1	**172.13**
615261	900	126	1E	1	**232.46**

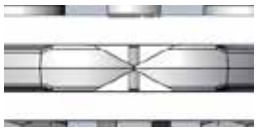
CLESTI DE BULOANE CU FALCI DE TAIERE TRIUNGHIULARE INTERSCHIMBABILE

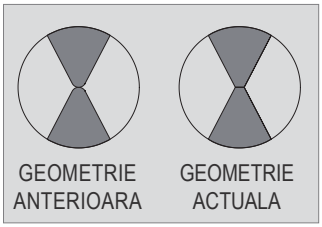


Falca triunghiulara. Durata de viata de 3 ori mai lunga.

MODIFICARILE PRODUSULUI

Geometria taisului a fost modificata, ceea ce imbunatateste forta de taiere si reduce tendinta ca taisurile sa se incruciseze in timpul taierii. Modificarea reduce uzura muchiilor de taiere si permite mai multe taieturi, prelungind durata de functionare a sculei. Datorita geometriei modificate, este necesara mai putina forta si efort in timpul taierii.





Modificarea securizarii piulitei - acum piulita este presata, inainte fiind asigurata numai cu o saiba. Fixarea este controlata, ceea ce inseamna ca piulita este mai bine fixata chiar si in conditii de utilizare extreme.



Modificarea miscarii falcilor de taiere - fixarea imbunatatita a suruburilor permite un control mai bun al miscarii falcilor - forta necesara pentru a deschide / inchide clestele este redusa.

596/6B

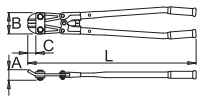
Cleste de buloane indoit

- *material: cutite-otel special, forjat, tratate*
- *partea de taiere tratata prin inductie*
- *manere din teava, vopsie, manere din plastic pentru conditii grele*

Avantaje:

- *Sistemul de absortie socuri din articulatie asigura absortia socurilor in manere, aceasta la taierea fierului beton.*
- *Protectia suruburilor excentrice pentru reglarea lamelor prin locasuri forjate asigura protectia 100% impotriva desurubarii*





UNIOR

	L	A	B	C				
610975	450	34	70	29	1500	1D	1	**393.11**
610976	600	36	84	32	2600	1D	1	**509.51**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² Ø	max 650 N/mm² Ø
610975	450	5	8
610976	600	7	10

596.1/7B

Elemente de shimb pentru art. 595/6B

- *falca+suruburi+2 piulite*



UNIOR

610977	450	542	1E	1	**244.75**
610978	600	858	1E	1	**338.52**





598/6

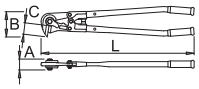
Cleste de buloane la 90°

- *material: cutite-otel special, forjat, tratate*
- *falci interschimbabile si reglabile*
- *partea de taiere tratata prin inductie*
- *manere din teava, vopsie, manere din plastic pentru conditii grele*

Avantaje:

- *Sistemul de absortie socuri din articulatie asigura absortia socurilor in manere, aceasta la taierea fierului beton.*





UNIOR

	L	A	B	C				
608442	1000	46	100	43	4130	1D	1	**591.64**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² Øt	max 650 N/mm² Øt
608442	1000	11	13

598.1/7

Elemente de schimb pentru art. 598/6

- *falca+suruburi+2 piulite*



UNIOR

607968	600 - 1000	931	1E	1	**330.00**

Hobby 120/3

Ghilotina manuala pentru taiat tabla model Hobby

- *actionare manuala prin combinatie de parghii*
- *taiere rapida a tablei, fasiilor si tijelor metalice*
- *cadru solid de otel pentru rigiditate si forta*
- *lame calite si slefuite cu precizie pentru o taiere exacta*



Finie

	L	A	B	C				
120/3	120	50	280	680	3,0	7500	1	**1076.61**

Hobby 150/4

Ghilotina manuala pentru taiat tabla model Hobby

- *actionare manuala prin combinatie de parghii*
- *taiere rapida a tablei, fasiilor si tijelor metalice*
- *cadru solid de otel pentru rigiditate si forta*
- *lame calite si slefuite cu precizie pentru o taiere exacta*



Finie

	L	A	B	C				
150/4	150	70	300	750	4,0	9000	1	**1337.47**

Profi 200/5

Ghilotina manuala pentru taiat tabla model Profi

- *actionare manuala prin combinatie de parghii*
- *taiere rapida a tablei, fasiilor si tijelor metalice*
- *cadru solid de otel pentru rigiditate si forta*
- *lame calite si slefuite cu precizie pentru o taiere exacta*



Finie

	L	A	B	C				
200/5	200	100	400	950	5,0	15700	1	**2321.80**

Profi 300-6

Ghilotina manuala pentru taiat tabla model Profi

- *actionare manuala prin combinatie de parghii*
- *taiere rapida a tablei, fasiilor si tijelor metalice*
- *cadru solid de otel pentru rigiditate si forta*
- *lame calite si slefuite cu precizie pentru o taiere exacta*



Finie

	L	A	B	C				
300-6	300	550	150	1450	6,0	34500	1	**5085.77**

Hobby-0

Set cutite pentru ghilotina manuala model Hobby

- *cutite calite si slefuite cu precizie pentru o taiere exacta*



Finie

	L	A	B	C				
120-30	120	200	90	10	3,0	965	1	**544.21**
150-40	150	200	190	10	4,0	1046	1	**634.91**

Profi-0

Set cutite pentru ghilotina manuala model Profi

- *cutite calite si slefuite cu precizie pentru o taiere exacta*



Finie

	L	A	B	C				
200-50	200	280	100	15	5,0	1506	1	**1365.51**
300-60	300	390	110	15	6,0	3244	1	**2227.18**



INSTRUMENTE DE MASURA SI CONTROL

Gama complexa

Sunt disponibile mai multe modele: cu cadran de citire directa, cu declansare automatica, cu frangere. Fiecare cheie dinamometrica este prevazuta cu un certifcat de etalonare. Performantele cheilor dinamometrice UNIOR sunt superioare nomei ISO 6789

Programul BMS

cuprinde chei dinamometrice electronice, surubelnite digitale, testere electronice de cuplu, traductoare de cuplu, chei de torsiune, multiplicatori de cuplu si accesorii.

Programul Norbar

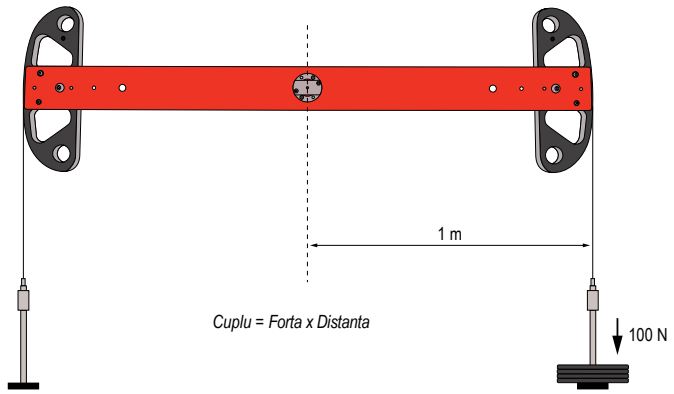
specialistul mondial in cupluri de moment, cu una din cele mai mari si moderne fabrici, dedicata exclusiv in designul, dezvoltarea si productia de scule dinamometrice si pentru masurare a cuplului.

UNIOR · Norbar Torque Tools · BMS TORQUE SOLUTIONS · METRIE · INSIZE · EGA Master ART IN INNOVATION · STAHLWILLE · kappa by JAR · boa · DIAGER · BOC BOHRCRAFT · USH GERMANY · werka · Facom

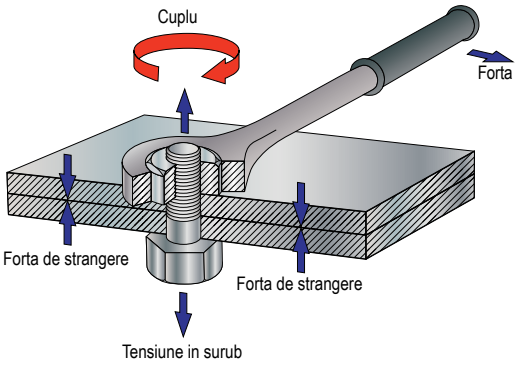
INTRODUCERE IN DINAMOMETRIE

Ce este momentul de torsiune?
Momentul de torsiune este orice forta sau sistem de forte care tinde sa provoace rotatia in jurul unei axe.

Masurarea MOMENTULUI DE TORSIUNE
Imaginati-va ca cineva strange un surub folosind UN CAP DE CHEIE TUBULARA atasata la o bara lunga (m).
Daca aplica 10 kg de forta (kgf) perpendicular pe bara, acestea vor produce un cuplu de 10 kgf · m la axa (centrul surubului).
Cu toate acestea, in sistemul de masurare S.I., forta este exprimata in Newtoni (N) mai degraba decat kgf.
Conversia intre kgf si N este x 9.807, astfel incat persoana aplica un cuplu de 98.07 N · m.

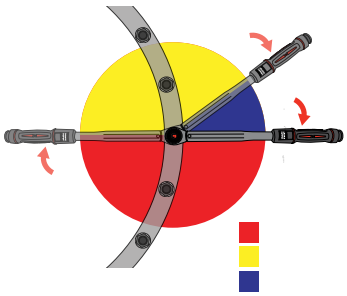


Importanta controlului cuplului
Desi exista multe metode de imbinare a doua sau mai multe parti impreuna, usurinta de asamblare si dezasamblare furnizate prin elemente de fixare filetate le fac alegerea ideala pentru multe aplicatii.
Obiectul unui dispozitiv de fixare filetat este de a prinde piesele impreuna cu o tensiune mai mare decat fortele exterioare care tinde sa le desparta. Surubul ramane apoi sub stres constant si este imun la oboseala. Cu toate acestea, daca tensiunea initiala este prea scazuta, sarcinile diferite actioneaza asupra surubului si acesta va esua rapid. Daca tensiunea initiala este prea mare, procesul de strangere poate provoca ruperea suruburilor.
Astfel, fiabilitatea depinde de tensiunea initiala corecta. Cea mai practica modalitate de a asigura acest lucru este specificarea si controlul cuplului de strangere.



Tensiunea boltului
Atunci cand un ansamblu este fixat prin strangerea unei piulite si a unei suruburi, tensiunea indusa determina intinderea surubului. O forta egala actioneaza pentru a comprima piesele care sunt astfel stranse.
Incarcarea probei unui surub, stabilita in mod normal prin test, este sarcina care incepe sa induca permanent set - cunoscut si ca punct de randament. De obicei, suruburile sunt stranse intre 75% si 90% din randament.

Frecarea in imbinarea cu suruburi
Atunci cand un dispozitiv de fixare filetat este strans, tensiunea indusa duce la frecare sub capul surubului si in spire. Este general acceptat faptul ca pana la 50% din cuplul aplicat este utilizat pentru a depasi frecarea dintre capul surubului si suprafata de incovoiere si alte 30% pana la 40% se pierd de frecare in spire. Doar 10% din cuplul aplicat are ca rezultat o forta utila pentru tensionarea surubului.



Avand in vedere ca pana la 90% din cuplul aplicat se va pierde la frecare, rezulta ca orice modificare a coeficientului de frecare rezultat din diferentele de rogozitate a suprafetei, de suprafata si de lubrifiere poate avea un efect dramatic asupra relatiei cuplu-tensiune. Se pot face cateva puncte generale:

• Cele mai multe imbinari stranse de cuplu nu utilizeaza saibe deoarece utilizarea lor poate duce la miscarea relativa intre piulita si saiba sau saiba si suprafata articulatiei in timpul strangerii. Acest lucru are efectul de a schimba raza de frecare si, prin urmare, afecteaza relatia cuplu-tensiune. In cazul in care este necesara o fata mai mare a lagarului, pot fi utilizate piulite sau suruburi cu flansa. Daca se folosesc saibe, saibele tari care se potrivesc bine cu varful surubului confera frecarea mai mica si mai consistenta si trebuie, in general, sa fie preferate.
• Degresarea elementelor de fixare ale peliculei de ulei de obicei prezenta pe ele, asa cum este furnizata, va reduce tensiunea pentru un cuplu dat si poate duce la forfecarea dispozitivului de fixare inainte de atingerea tensiunii dorite.
• Lubrifiantii simpli, formulati din grafit, disulfura de molibden si ceruri, conduc la o frecare minima. Cu exceptia cazului in care se face o alocare a cuplului de strangere specificat, tensiunea indusa poate fi excesiva, determinand randamentul si ruperea surubului. Cu toate acestea, utilizate intr-un mod controlat, aceste lubrifianti servesc unui scop util in reducerea cuplului pentru a produce tensiunea dorita, ceea ce inseamna ca poate fi utilizata o unealta de strangere cu capacitate mai mica.
• Din motive de aspect sau rezistenta la coroziune, dispozitivele de fixare pot fi placate. Aceste tratamente afecteaza coeficientul de frecare si, prin urmare, raportul cuplu vs. tensiune.
• Frecarea este adesea introdusa deliberat in dispozitivul de fixare pentru a reduce posibilitatea de slabire din cauza vibratiilor. La stabilirea cuplului de strangere corect trebuie luate in considerare dispozitive precum piulitele de blocare.
Ca ghidaj brut, cuplul de strangere calculat trebuie sa fie inmultit cu factorul din tabelul “Ghid de strangere controlata”, in functie de tratamentul de suprafata si de lubrifiere.

Surubelnite si chei dinamometrice 111
Rulete, metre, rigle, ace de trasat 112
Nivele 114
Echere, raportoare, compase, dispozitive de trasare 116
Sublere, micrometre, comparatoare 121
Lere si sabloane 128
Lupe 131
Aparate duritate 132
Refractometre 133



TTs

Surubelnita dinamometrica

- *livrat cu un suport de biti hexagonali 1/4", pe o tija hexagonala de 4 mm*
- *reglare usoara a cuplului fara a fi nevoie de instrumente suplimentare*
- *sistem de blocare pentru a preveni dereglarea accidentala a cuplului stabilita*
- *precizia depaseste cerintele standardului ISO6789*
- *certificat de calibrare pentru sensul acelor de ceasornic*
- *surubelnita "aluneca" atunci cand se obtine cuplu, eliminand posibilitatea de "suprastrangere"*
- *maner confortabil si reziztent. Manerul este construit folosind doua materiale; un material de baza pentru rezistenta suprapus cu un maner moale pentru confort si rezistenta la alunecare*
- *biti inclusi in kit: TX10, TX15, TX20, HX2, HX2.5, HX3, HX4, HX5, PH1, PH2, SL3.0*

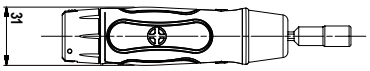


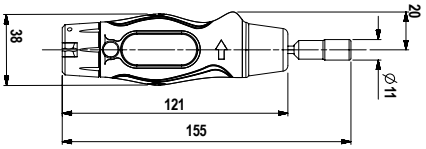












			A	B	C	ØD	E	F		
13700	0.3-1.5	1/4"	155	121	38	11	20	31	240	**1921.48**
13701	0.6-3.0	1/4"	155	121	38	11	20	31	240	**1921.48**
13702	1.2-6.0	1/4"	155	131	38	11	20	31	240	**1921.48**

IST-MG

NOU

Surubelnita dinamometrica

- *functionare in sensul acelor de ceasornic*
- *cu prindere hexagonala*
- *cu inel de blocare a cuplului setat*







Antrenor T pentru
IST-MG250, IST-MG360,
IST-MG600



IST-MG100	20-100 cNm	1/4"	±6%	2 cNm	172	260	**1,753.50**
IST-MG250	50-250 cNm	1/4"	±6%	5 cNm	172	260	**1,858.50**
IST-MG360	60-360 cNm	1/4"	±6%	5 cNm	172	260	**1,963.50**
IST-MG600	1.0-6.0 Nm	1/4"	±6%	1.0 Nm	172	260	**2,184.00**

IST-DS

Surubelnita dinamometrica cu citire directa

- *functionare in sensul acelor de ceasornic si invers acelor de ceasornic*
- *cu ceas indicator*





						L		
IST-DS02	0.05-0.2	1/4"	±6%	±6%	0.005	125	170	**2320.50**
IST-DS05	0.1-0.5	1/4"	±6%	±6%	0.01	273	400	**2320.50**
IST-DS1	0.2-1.0	1/4"	±6%	±6%	0.02	273	400	**2320.50**
IST-DS2	0.5-2.0	1/4"	±6%	±6%	0.05	273	400	**2320.50**
IST-DS5	1.0-5.0	1/4"	±6%	±6%	0.05	273	400	**2352.00**

775

NOU

Surubelnita dinamometrica cu click

- *pentru strangerea suruburilor cu cuplu controlat in intervalele cN·m si in·lb*
- *pentru serii unice sau de producție*
- *strangere in sens invers acelor de ceasornic si in sensul acelor de ceasornic*
- *cu antrenare hexagonala interna de 1/4" (F 6.3 DIN 3126/ISO1173)*
- *variabila infinit prin scara micrometrica (scara de rasucire)*
- *decuplarea ambreiajului previne depasirea valorii presetate*
- *forma manerului si textura suprafetei acestuia asigura transmisia sigura si precisa a cuplului*
- *scule compatibile: pentru toti bitii de 1/4" E 6.3, PHILLIPS®, POZIDRIV®/SUPADRIV®, biti cu profil lat, TORX®, biti hexagonal*
- *certificat conform DIN EN ISO 6789-2:2017*
- *acuratete: ± 6%*



					L		
51060003	2-30	1/4"	±6%	±6%	105	55	**2931.10**
51060012	20-120	1/4"	±6%	±6%	157	180	**3114.33**
51060030	40-300	1/4"	±6%	±6%	160	205	**3463.21**
51060050	100-500	1/4"	±6%	±6%	205	420	**3533.09**
51060100	400-1000	1/4"	±6%	±6%	235	630	**4955.03**

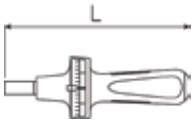
760

NOU

Surubelnita dinamometrica cu citire directa

- *elementul de masurare este un arc lamelar de torsiune*
- *strangere in sensul acelor de ceasornic (cu indicator de urmsrire) si strangere in sens invers acelor de ceasornic*
- *cu antrenare hexagonala interna de 1/4" (F 6.3 DIN 3126)*
- *scara comparativă în in·lb și cursor*
- *pentru biti si adaptoare cu hexagonal extern E 6.3 (1/4") DIN 3126/ISO 1173 sunt prinse in siguranta si controlate ferm in arborele de montare*
- *pentru a prinde capete chei tubulare de 1/4", va rugam să comandati adaptorul nr. 3115*
- *certificat conform DIN EN ISO 6789-2:2017*
- *acuratete ± 4%*





STAHLWILLE

	cN.m				L		
51040007	15-75	1/4"	±4%	±4%	185	225	**2573.44**
51040015	30-150	1/4"	±4%	±4%	185	225	**2704.35**
51040030	60-300	1/4"	±4%	±4%	185	230	**2599.64**
51040060	120-600	1/4"	±4%	±4%	185	230	**2704.35**

NOU

Surubelnita dinamometrica

- *EGA Master produce o gama larga de surubelnite, surubelnite cu suport pentru biti si accesorii, printre care puteti gasi surubelnite dinamometrice special concepute pentru strangerea de precizie.*
- *perfecta pentru insurubare controlata in intervalul 0,4-5 Nm si 4-50 Lb.in*
- *acuratete +/- 6%.*
- *scala larga si vizibila pentru o ajustare mai precisa si mai precisa a cuplului.*
- *blocati si reglati din maner.*
- *cu cutie dedepozitare si transport individuala*
- *cu certificat de calibrare.*





EGA Master ART IN INNOVATION

Blocare Reglare Deblocare

					L		
66579	0.4-2 Nm	1/4"	±6%	±6%	135	130	**2346.15**
66594	4-20 Lb.in	1/4"	±6%	±6%	135	130	**2346.15**

NOU

Surubelnita dinamometrica

- *EGA Master produce o gama larga de surubelnite, surubelnite cu suport pentru biti si accesorii, printre care puteti gasi surubelnite dinamometrice special concepute pentru strangerea de precizie.*
- *perfecta pentru insurubare controlata in intervalul 0,4-5 Nm si 4-50 Lb.in*
- *acuratete +/- 6%.*
- *scala larga si vizibila pentru o ajustare mai precisa si mai precisa a cuplului.*
- *blocati si reglati din maner.*
- *cu cutie dedepozitare si transport individuala*
- *cu certificat de calibrare.*





EGA Master ART IN INNOVATION

Blocare Reglare Deblocare

					L		
66580	1-5 Nm	1/4"	±6%	±6%	160	130	**2768.67**
66595	10-50 Lb.in	1/4"	±6%	±6%	160	130	**2768.67**

TTi20

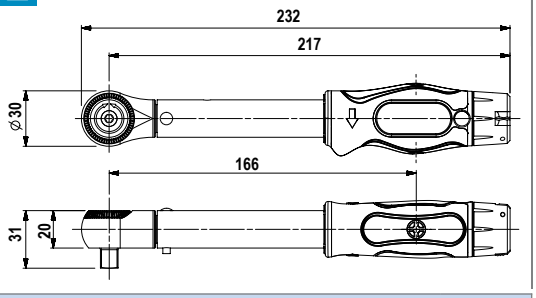
Cheie dinamometrica 3/8" 4-20 Nm

- *durabilitate ridicata pentru utilizare in orice mediu.*
- *scala micrometrica, reglaj rapid, precizie ridicata de reglaj.*
- *reglaj simplu prin rotirea inelului din capatul cheii.*
- *sistem de blocare, care evita dereglarea accidentala.*
- *maner confortabil, bi-component, din materiale rezistente la uzura si alunecare.*
- *scala rezistenta la uzura si agenti chimici.*
- *functionare doar in sens orar.*
- *precizie ±4% cf. ISO6789.*
- *furnizat cu un certificat de calibrare, care indeplineste cerintele ISO 6789-2: 2017*
- *lungime: 230 mm*
- *patrat de antrenare: 3/8 "*
- *diametrul clichetului: 30 mm*
- *numar de dinti clichet: 72*
- *gradatii scala (N · m): 0,1*
- *gradatii scala (lbf · in): 10*









gurbar Norbar Torque Tools

13831	3/8"	4 - 20	35 - 180	230	0.1 Nm	1S	1	**1443.61**

263

Cheie dinamometrica cu reglaj si declansator

1/2"

- *precizie: +/-3%*
- *scala micrometrica pentru reglari simple si precise*
- *reglare cu sistem de blocare pentru setarile cheii*
- *aplicarea momentului:in ambele sensuri, dar intotdeauna in directia indicata pe manerul cheii*
- *maner bimaterial din doua componente*
- *scala duala in lbf.ft si Nm*

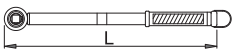
Important

- *nu folositi cheia dinamometria pentru desurubare!*
- *aplicati momentul de torsiune numai in directia indicata pe stiker.Stikerul va indica sensul corect de strangere.*
- *intervalul dintre doua calibrari ale cheii este de 12 luni sau 5000 de strangeri de la data cumpararii.*
- *INTOTDEAUNA aduceti mecanismul de reglare la punctul de start cand terminati lucrul.*
- *cand momentul reglat este atins va rugam sa opriti actionarea cheii.*
- *cheia dinamometrica poate fi deteriorata daca instructiunile din manualul de utilizare nu sunt respectate.*









UNIOR

626765	12 - 60	10 - 45	238	3/8"	700	1S	1	1367.38
626766	40 - 200	30 - 150	459	1/2"	1000	1S	1	1432.46
626767	60 - 340	50 - 250	679	1/2"	1550	1S	1	2269.51

NorTorque®

Cheie dinamometrica cu reglaj si declansator

1/2"

- *precizie: +/-3%*
- *scala micrometrica pentru reglari simple si precise*
- *reglare cu sistem de blocare pentru setarile cheii*
- *aplicarea momentului:in ambele sensuri, dar intotdeauna in directia indicata pe manerul cheii*
- *maner bimaterial din doua componente*
- *scala duala in lbf.ft si Nm*

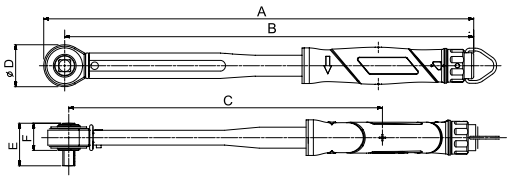












Norbar Torque Tools

130106	1/2"	60 - 340	45 - 250	784	690	643	52	89	304	45	28	3000	1918.85

NOU

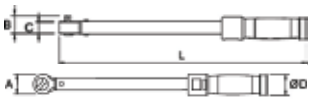
Cheie dinamometrica cu reglaj si declansator acuratete ±3%

- *clichet reversibil cu 45 de dinti*
- *carcasa din otel aliat calit pentru rezistenta si durabilitate, rezultand un design mai subtire si usor*
- *citire usoara a momentului reglat*



EGA Master ART IN INNOVATION

EGATORK



62951	1/4"	2.5-12	-	20-105	290	28	30	19	38	800	2206.50
62952	1/4"	4.0-20	-	30-180	290	28	30	19	38	800	2206.50
65871	1/4"	4.0-20	-	35-180	230	28	30	19	38	800	2206.50
62965	3/8"	6.0-30	-	50-250	320	37	40	25	38	900	2206.50
65872	3/8"	6.0-30	-	120-450	380	40	44	25	38	1300	1971.00
62953	3/8"	25-125	20-90	-	440	38	40	25	38	1300	1971.00
57686	1/2"	10.0-70	-	100-600	440	38	41	25	38	900	2206.50
62954	1/2"	25-125	20-90	-	440	38	44	25	38	1300	2084.92
65873	1/2"	25-125	-	350-1800	520	40	44	25	38	1400	2231.64
62963	1/2"	40-200	30-150	-	460	40	44	25	38	1400	2231.64
62968	1/2"	65-335	50-250	-	520	40	44	25	38	1500	2573.47
65918	1/2"	65-335	-	1000-3000	520	40	44	25	38	1500	2629.69
62983	1/2"	80-400	60-300	-	750	40	44	25	38	1900	4294.10
62969	3/4"	160-800	120-600	-	1040	60	66	39	38	8600	9901.94
62976	1"	200-1000	150-750	-	1040	72	82	39	38	8600	10521.44
62977	1"	300-1500	200-1100	-	1250	72	82	40	38	12000	15104.14
62978	1"	400-2000	300-1500	-	1250	72	82	40	38	12200	16398.76
62979	1"	600-3000	400-2200	-	1250	72	82	40	38	13200	22464.06

264

Cheie dinamometrica cu declansator

- *capul cu clichet reversibil*
- *aplicarea momentului intr-un singur sens si intotdeauna in directia indicata pe manerul cheii*
- *cheia lucreaza in sensul acelor de ceasornic si in sens invers acestora*
- *pentru actionare la stanga sau la dreapta*
- *nu lipseste semnalul la momentul prestabilit*
- *recalibrarea cheii se efectueaza la un interval de 12 luni de utilizare sau aproximativ 5000 de cicluri!*
- *in conformitate cu standardul ISO 6789*
- *scala dubla, Nm si Kg*

Important

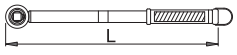
- *Nu folositi cheia dinamometria pentru desurubare!*
- *Aplicati momentul de torsiune numai in directia indicata pe stiker.Stikerul va indica sensul corect de strangere.*
- *Intervalul dintre doua calibrari ale cheii este de 12 luni sau 5000 de strangeri de la data cumpararii.*
- *INTOTDEAUNA aduceti mecanismul de reglare la punctul de start cand terminati lucru.*
- *Cand momentul reglat este atins va rugam sa opriti actionarea cheii.*
- *Cheia dinamometrica poate fi deteriorata daca instructiunile din manualul de utilizare nu sunt respectate.*



UNIOR







615485	1/4"	2 - 24	270	686	1S	1	538.85
615486	3/8"	5 - 110	360	1100	1S	1	470.49
615487	1/2"	28 - 210	465	1680	1S	1	538.85
615488	1/2"	35 - 350	640	2930	1S	1	763.93
615489	3/4"	70 - 560	840	5600	1S	1	1563.61
615490	3/4"	140 - 700	1070	8200	1S	1	2852.62
615491	1"	140 - 980	1220	8800	1S	1	3380.82

PRO 340

Cheie dinamometrica 1/2" 60-340 Nm

1/2"

- *acuratete ± 3%*
- *maner ergonomic cu o proportie ridicata de material moale, cu aderenta ridicata*
- *materialul manerului si cadranul rezista tuturor substantelor chimice utilizate in industria auto si aeriana*
- *mecanismul de blocare push / pull este rapid si previne dereglarea accidentala*
- *cadran de afisare larg si lungime mare a scalei pentru o vizibilitate excelents si o setare precisa*
- *unic pe o cheie dinamometrica, TimeStrip® ofera o indicatie vizuala a necesitatii de recalibrare a acesteia*
- *furnizat cu un certificat de calibrare, care indeplineste cerintele ISO 6789-2: 2017*
- *lungime: 685 mm*
- *patrat de antrenare: 1/2"*
- *numar de dinti clichet: 60*
- *tip de clichet: cap industrial „Ciuperca"*
- *diametrul clichetului: 51 mm*
- *gradatii scala (N · m): 5*
- *gradatii scala (lbf · ft): 2*



„Ciuperca"







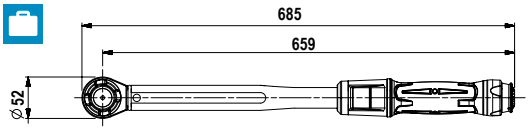


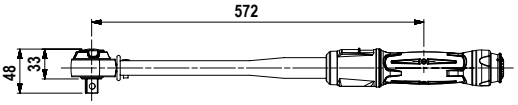












	■			L	Rezolutie			
NB15006	1/2"	60 - 340	45 - 250	685	5 Nm	1S	1	**2753.35**

P 'INDUSTRIAL'

Cheie dinamometrica industriala tip "P" 3/4" - acuratete ±3%

1/2"

• Cheile dinamometrice tip "P" sunt concepute pentru mediul de productie unde acestea sunt presetate si apoi utilizate pentru aplicatii particulare. Nu exista nici o scala, cheia trebuie sa fie reglata pe un dispozitiv de testare cuplu. Clichetul acestui model este proiectat cu robustete, rezistenta si durabilitate crescuta. Rezistenta inalta la uzura se datoreaza modelului patentat al dintilor. Patratul de antrenare cu design robust, permite utilizarea cheii atat in sensul acelor de ceasornic, cat si invers, prin detasarea patratului si re-introducerea pe cealalta parte a capului cu clichet.

Caracteristici:

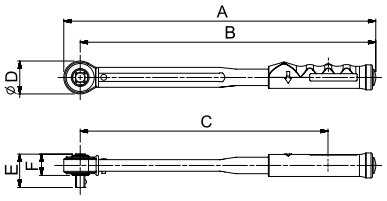
- *Precizia de +/- 3% depaseste toate standardele internationale pentru chei dinamometrice*
- *Etichete colorate pentru a identificarea operatorului chei, precum si pentru inregistrarea perioadei de calibrare.*
- *Sistemul de reglare este conceput pentru a descuraja modificarea neautorizata*
- *Fiecare cheie este livrata cu un certificat de calibrare in conformitate cu ISO 9000*
- *Se livreaza cu: cutie de depozitare din plastic si certificat de calibrare*







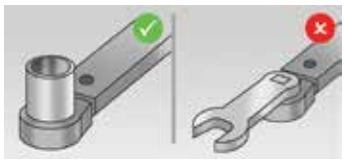




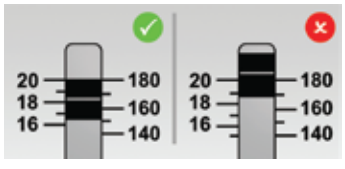
	■		A	B	C	ØD	E	F		
13057	1/2"	60 - 300	662	641	577	52	46	29	1240	**2311.97**
13056	1/2"	40 - 400	664	649	584	54	51	28	2040	**3221.05**

Utilizarea corecta a cheilor dinamometrice















NOU

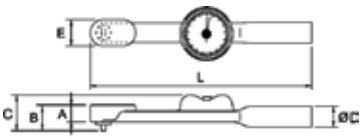
Cheie dinamometrica cu citire directa

- *doua ace, unul pentru presetare si altul pentru citire*
- *scala larga usor si clar de citit*
- *acuratete: ±3%*

EGA TORK







EGA Master ART IN INNOVATION

	N.m	in.lb / ft.lb	■	L	A	B	C	D	E		
56930	0 - 2	0 - 18 in.lb	1/4"	310	26	28	50	30	38	600 NOU	2441.33
56931	0 - 8	0 - 75 in.lb	1/4"	310	26	28	50	30	38	600 NOU	2441.33
56932	0 - 20	0 - 175 in.lb	3/8"	310	26	31	55	30	38	600 NOU	2441.33
56933	0 - 50	0 - 35 ft.lb	3/8"	310	26	31	55	30	38	600 NOU	2441.33
56934	0 - 100	0 - 70 ft.lb	1/2"	480	26	45	55	30	38	900 NOU	4437.62
56935	0 - 200	0 - 150 ft.lb	1/2"	550	26	45	55	30	38	1000 NOU	4437.62
56936	0 - 350	0 - 250 ft.lb	1/2"	550	26	45	55	30	38	1000 NOU	4882.52
56937	0 - 800	0 - 600 ft.lb	3/4"	1190	31	55	65	50	65	6500 NOU	7866.32
56938	0 - 2000	0 - 1500 ft.lb	1"	1620	31	60	70	50	65	9000 NOU	17359.57

IST-DW

Cheie dinamometrica cu citire directa

- *functionare in sensul acelor de ceasornic si invers acelor de ceasornic*
- *in conformitate cu DIN ISO 6789, ASME B107.300*
- *acuratete: ±3%*

INSPECTION CERTIFICATE



INSIZE

	N.m	in.lb / ft.lb	■	Nm	L		
IST-DW3D5	0.7 - 3.5	6 - 30 in.lb	1/4"	0.05	254	480	1942.50
IST-DW9	1.8 - 9	15 - 75 in.lb	1/4"	0.1	254	480	1942.50
IST-DW18	3.6 - 18	30 - 150 in.lb	3/8"	0.2	254	480	2016.00
IST-DW35	7 - 35	60 - 300 in.lb	3/8"	0.5	254	480	2016.00
IST-DW70	14 - 70	120 - 600 in. lb	3/8"	1	378	820	2247.00
IST-DW140	28 - 140	20 - 100 ft.lb	1/2"	2	546	1300	2583.00
IST-DW240	40 - 240	35 - 175 ft.lb	1/2"	3	546	1300	2583.00
IST-DW350	70 - 350	50 - 250 ft.lb	1/2"	2.5	546	1300	2583.00

IST-9WM

Cheie dinamometrica

- *in conformitate cu DIN 6789, ASME B107.300*
- *constructie din metal robusta si rezistenta*

INSPECTION CERTIFICATE



INSIZE

	N.m	■	↻		L		
IST-9WM12	2.5 - 12	1/4"	±4%	0.1	290	680	1011.15
IST-9WM20	4 - 20	1/4"	±4%	0.1	290	680	1165.50
IST-9WM30	6 - 30	3/8"	±4%	0.2	318	820	1047.90
IST-9WM60	10 - 60	3/8"	±4%	0.5	318	960	1071.00
IST-9WM100	20 - 100	1/2"	±4%	0.5	443	1040	1113.00
IST-9WM125	25 - 125	1/2"	±4%	0.5	443	1040	1071.00
IST-9WM200	40 - 200	1/2"	±4%	1	468	1160	1186.50
IST-9WM335	65 - 335	1/2"	±4%	1	528	1300	1281.00
IST-9WM500	100 - 500	3/4"	±4%	2.5	855	5000	6174.00
IST-9WM800	160 - 800	3/4"	±4%	4	1055	5900	6825.00
IST-9WM1000	200 - 1000	3/4"	±4%	5	1055	5900	1113.00
IST-9WM1500	300 - 1500	1"	±4%	5	1260	9200	11613.00
IST-9WM2000	400 - 2000	1"	±4%	10	1260	9200	11613.00
IST-9WM3000	600 - 3000	1"	±4%	15	1260	10500	15372.00

IST-PW

Cheie dinamometrica cu moment presetat

- *cuplul este presetat, pentru a preveni reglarea din greseala in timpul utilizarii*
- *cuplul este setat din fabrica inainte de livrare*
- *utilizatorii pot seta, de asemenea, cuplul cu instrumentul de reglare a cuplului si testerul digital de cuplu*
- *actionare numai in sensul acelor de ceasornic*



INSIZE

	N.m	■	↻	L		
IST-PW12	2.5 - 12	1/4"	±3%	184	450	1312.50
IST-PW20	4 - 20	1/4"	±3%	184	450	1312.50
IST-PW30	6 - 30	3/8"	±3%	214	500	1312.50
IST-PW60	10 - 60	3/8"	±3%	255	560	1354.50
IST-PW125	25 - 125	3/8"	±3%	366	790	1501.50
IST-PW200	40 - 200	1/2"	±3%	457	1200	2005.50
IST-PW340	65 - 340	1/2"	±3%	691	1960	2772.00
IST-PW500	100 - 500	3/4"	±3%	910	2800	5554.50
IST-PW650	150 - 650	3/4"	±4%	910	2800	6583.50
IST-PW800	160 - 800	3/4"	±4%	1037	5000	7654.50
IST-PW1000A	200 - 1000	3/4"	±4%	1265	6000	8547.00
IST-PW1000B	200 - 1000	1"	±4%	1265	6000	8694.00



1. Desurubati surubul de la baza ca sa eliberati surubul pentru ajustarea cuplului de strangere



2. Ajustati la cuplul de strangere stabilit



3. Insurubati la loc surubul de la baza pentru a fixa ajustarea cuplului.



4. Ajustati si incepeti strangerea (in sensul cuplului prestabilit). Cand auziti semnalul audio (click), cuplul prestabilit a fost atins. Opriti strangerea.

SL0

Cheie dinamometrica mecanica cu capete interschimbabile acuratete ±3%

16 mm

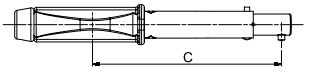
- *cheie dinamometrica fara scala*
- *cuplu presetat reglabil doar cu ajutorul unui aparat de masurare a momentului de torsiune, sau un dispozitiv similar*
- *toate cheile dinamometrice NORBAR sunt proiectate si fabricate pentru a depasi standardele internationale: BS6703: 1988, ISO 6789: 1992 si USAGGG-W-00686-C (GSA-FSS)*
- *certificat de calibrare in conformitate cu ISO 9000*
- *versiunea tip "P" este menita sa descurajeze modificari neautorizate*

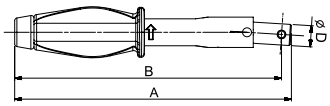












	●			A	B	C	ØD		
11090	16	1.0 - 20.0	10 - 180	210	199	143	16	400	**1511.25**

THP

Cheie dinamometrica mecanica cu capete interschimbabile acuratete ±3%

16 mm

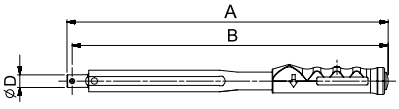
- *cheie dinamometrica fara scala, proiectata pentru liniile de productie unde vor fi setate pentru o anumita aplicatie*
- *cuplu presetat reglabil doar cu ajutorul unui aparat de masurare a momentului de torsiune, sau un dispozitiv similar*
- *toate cheile dinamometrice NORBAR sunt proiectate si fabricate pentru a depasi standardele internationale: BS6703: 1988, ISO 6789: 1992 si USAGGG-W-00686-C (GSA-FSS)*
- *certificat de calibrare in conformitate ISO 9000*
- *semnal inconfundabil atunci cand se ajunge la cuplul setatversiunea de tip "P" este menita sa descurajeze modificari*

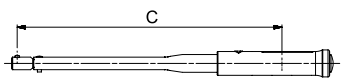












	●			A	B	C	ØD		
11167	16	8.0 - 60.0	5 - 45	288	277	212	16	550	**1379.01**
11143	16	20.0 - 100.0	15 - 80	315	317	252	16	600	**1447.87**
11144	16	40.0 - 200.0	40 - 200	405	399	334	16	780	**1529.62**

265

Cheie dinamometrica industriala 3/4"

3/4"

- *constructia robusta ii confera o acuratete in rezultate, de +/-4% , chia in conditii grele de lucru*
- *fiecare cheie este livrata cu un certificat de calibrare in conformitate cu ISO 9000:2000*
- *unghiul mare de frangere imbunatateste acuratetea reducand posibilitate de suprasarcina a momentului*
- *cama de control a mecanismului confera o frangere controlata care nu va permite balansul operatorului*
- *aplicarea momentului:in ambele sensuri, dar intotdeauna in directia indicata pe manerul cheii*
- *scala dubla N.m si lbf.ft*
- *in conformitate cu standardul ISO 6789*

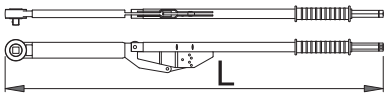
Utilizare

- *echipament agricol*
- *sectorul de constructii*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *industria aerospatiala*
- *nu folositi cheia dinamometria pentru desurubare!*

Important

- *scula trebuie folosita cu o forta constanta si respectand instructiunile de utilizare*
- *aplicati momentul de torsiune numai in directia indicata pe stiker.Stikerul va indica sensul corect de strangere.*
- *intervalul dintre doua calibrari ale cheii este de 12 luni sau 5000 de strangeri de la data cumpararii.*
- *INTOTDEAUNA aduceti mecanismul de reglare la punctul de start cand terminati lucrul.*
- *cand momentul reglat este atins va rugam sa opriti actionarea cheii.*
- *cheia dinamometrica poate fi deteriorata daca instructiunile din manualul deutilizare nu sunt espectate*























UNIOR

	■			L				
616802	3/4"	200 - 800	150 - 600	1140	9000	TS	1	**6008.36**
616803	3/4"	300 - 1000	200 - 750	1470	11000	TS	1	**5889.51**

5AR

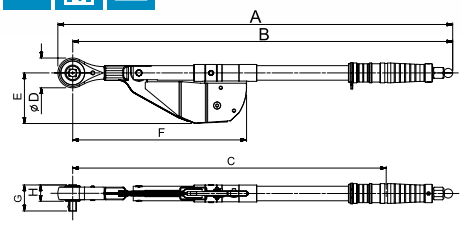
Cheie dinamometrica industriala

1/2"

- *constructia robusta ii confera o acuratete in rezultate, de +/-4% , chiar in conditii grele de lucru*
- *fiecare cheie este livrata cu un certificat de calibrare in conformitate cu ISO 9000:2000*
- *unghiul mare de frangere imbunatateste acuratetea reducand posibilitate de suprasarcina a momentului*
- *cama de control a mecanismului confera o frangere controlata care nu va permite balansul operatorului*
- *aplicarea momentului:in ambele sensuri, dar intotdeauna in directia indicata pe manerul cheii*
- *scala dubla N.m si lbf.ft*
- *in conformitate cu standardul ISO 6789*







				A	B	C	ØD	E	F	G	H		
12012	3/4"	700-1500	500-1000	1382	1347	1267	69	73	911	55	35	10400	**8898.85**
12012.01	1"	700-1500	500-1000	1382	1347	1267	69	73	911	63	35	10400	**9515.90**

6AR

Cheie dinamometrica industriala 1"

1/2"

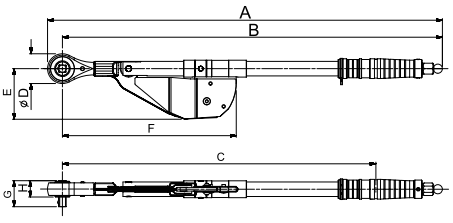
- *constructia robusta ii confera o acuratete in rezultate, de +/-4% , chiar in conditii grele de lucru*
- *fiecare cheie este livrata cu un certificat de calibrare in conformitate cu ISO 9000:2000*
- *unghiul mare de frangere imbunatateste acuratetea reducand posibilitate de suprasarcina a momentului*
- *cama de control a mecanismului confera o frangere controlata care nu va permite balansul operatorului*
- *aplicarea momentului:in ambele sensuri, dar intotdeauna in directia indicata pe manerul cheii*
- *scala dubla N.m si lbf.ft*
- *in conformitate cu standardul ISO 6789*









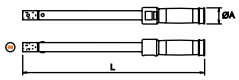


				A	B	C	ØD	E	F	G	H		
12100	1"	900-2000	700-1500	1802	1767	1687	69	73	1331	63	35	13000	**16183.51**

Cheie dinamometrica cu capete interschimbabile

- *angrenajul capului cu clichet este fabricat din Cr-V pentru rezistenta maxima*
- *afisaj dublu, mai mare si mai vizibil pentru o reglare a cuplului mai precisa si precisa*
- *scara Nm, lb.ft si Lb.in.*
- *maner ergonomic antiderapant*
- *sistem de blocare tip push*
- *cap reversibil cu clichet cu manetă de viteza*
- *acoperire: cromare oglinda*
- *cutie de transport individuala*
- *acuratete: 3%*



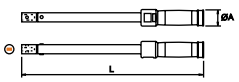


				L	A				
56220	9x12	2,5 - 12	20-105 lb.in	280	38	500	1S	1	**1737.14**
56221	9x12	6 - 30	50-250 lb.in	300	38	600	1S	1	**1737.14**
56222	9x12	25 - 125	20-90 lb.ft	420	38	800	1S	1	**1843.03**

Cheie dinamometrica cu capete interschimbabile

- *angrenajul capului cu clichet este fabricat din Cr-V pentru rezistenta maxima*
- *afisaj dublu, mai mare si mai vizibil pentru o reglare a cuplului mai precisa si precisa*
- *scara Nm, lb.ft si Lb.in.*
- *maner ergonomic antiderapant*
- *sistem de blocare tip push*
- *cap reversibil cu clichet cu manetă de viteza*
- *acoperire: cromare oglinda*
- *cutie de transport individuala*
- *acuratete: 3%*





				L	A				
56223	14x18	40 -200	30-150 lb.ft	460	38	900	1S	1	**1982.90**
56224	14x18	80 - 400	60-300 lb.ft	700	38	1850	1S	1	**3740.56**





Gama larga de accesorii datorita sistemului de prindere.



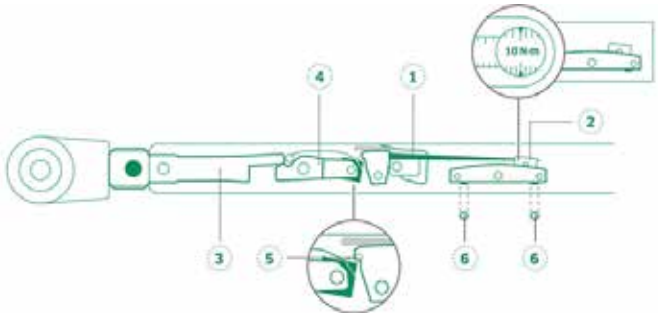
Reglare rapida din exterior. Nu este necesara demontarea cheii.



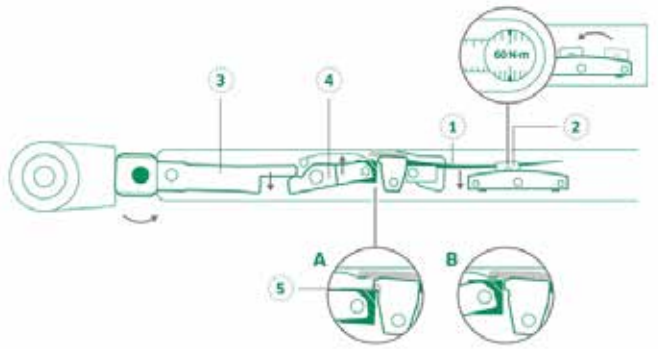
Reglare rapida QuickSelect: trage, regleaza, blocheaza. Toate aplicatiile cu un singur buton

Cum functioneaza sistemul de tije flexibile?

Acolo unde sarcina de lucru este zero, tija flexibilă (1) nu este preîncărcată.
Utilizatorul mișcă glisiera de reglare (2) pentru a modifica poziția contra-lagărului – și, astfel, modifică lungimea efectivă a brațului de pârghie și preîncărcarea sau rezistența acestuia. Principiul fizic este, prin urmare, același și în cazul unui băț de lemn pe care dorîți să-l îndoiți: dacă vă poziționați mâinile aproape de mijlocul bastonului, pârghia este scurtă și cu cât pârghia este mai scurtă, cu atât rezistența este mai mare și forța care trebuie aplicată. Dacă acum se aplică forță cheii dinamometrice, elementul de comutare din stânga (3) se înclină în jos și aplică forță elementului din dreapta (4), forțându-l în sus. Colțul elementului care se mișcă în sus vine în contact cu colțul camei de declanșare (5).



Pentru a depăși rezistența creată de tija flexibilă (1), va fi necesară o forță specifică, care depinde de cuplul care a fost setat. De îndată ce acest punct a fost atins, elementul de comutare (4) își va putea continua deplasarea în sus și va produce atât un semnal sonor, cât și unul tactil. De îndată ce utilizatorul încetează să aplice forță, toate componentele revin automat la pozițiile lor neîncărcate nu este necesară resetarea manuală la »0«.



1. Tijă flexibilă
2. Setarea deplasarii
3. Element de comutare din stânga
4. Element de comutare din dreapta
5. Cam de declanșare
6. Punct de reglare/șurub de fixare pentru valoarea nominală
7. Punct de reglare/șurub de fixare pentru cea mai mică valoare

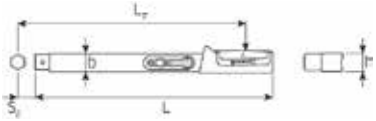
730 QUICK

Cheie dinamometrica Service cu tija flexibila si capete interschimbabile MANOSKOP®

- *setare rapida a cuplului*
- *click-type: la atingerea momentului de torsiune dorit decuplarea se face automat si este semnalizata printr-un click.*
- *sistemul de masurare se afla in sarcina numai la aplicarea fortei (nu este necesara o resetare manuala - la zero - pentru scoaterea de sub tensiune a sistemului de masura). Orice forta aplicata suplimentar dupa "click" sau in directia opusa de rotatie nu va deteriora mecanismul de masurare*
- *cand valoarea cuplului pre-setat este atinsa, cheia decupleaza si indica acest lucru.*
- *prindere de siguranta QuickRelease (dimensiuni 5–65)*
- *reglare rapida datorita manetei de blocare din maner (dimensiunile 5-65)*
- *maner rezistent la impact, uleiuri, grasimi, benzina, lichide de frana, Skydrol.*
- *lupa integrata in fereastra afisajului*
- *semnal dual de oprire*
- *scala de citire dubla (Nm / Ft/Lb) - eroare de indicatie ± 4%*
- *certificat in conformitate cu DIN EN ISO 6789-2: 2017*
- *afisare valoare deviere ± 4%*







SW 50184005	6 - 50	5 - 36	370	936	9x12	1 NOU	**2493.05**
SW 50184010	20 -100	15 - 72,5	370	936	9x12	1	**2646.81**
SW 50184020	40 - 200	30 - 145	455	1310	14x18	1	**3013.90**
SW 50184030	60 - 300	50 - 220	520	1400	14x18	1 NOU	**3329.80**
SW 50184040	80 - 400	60 - 300	590	1540	14x18	1	**4388.48**
SW 50184065	130 - 650	100 - 480	875	3192	14x18	1 NOU	**6505.83**
SW 50184565	130 - 650	100 - 480	897	4104	22x28	1 NOU	**6693.75**

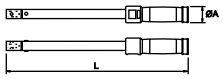
NOU

Cheie dinamometrica cu capete interschimbabile

24x32

- *angrenajul capului cu clichet este fabricat din Cr-V pentru rezistenta maxima*
- *afisaj dublu, mai mare si mai vizibil pentru o reglare a cuplului mai precisa si precisa*
- *scara Nm, lb.ft si Lb.in.*
- *maner ergonomic antiderapant*
- *sistem de blocare tip push*
- *cap reversibil cu clichet cu manetă de viteza*
- *acoperire: cromare oglinda*
- *cutie de transport individuala*
- *acuratete: 3%*





				L	A				
56225	24x32	100-500	80-400	700	38	2800	1S	1	7048.72
62946	24x32	120-800	80-600	1040	38	4900	1S	1	8045.90
62947	24x32	200-1000	150-750	1040	38	4900	1S	1	9283.85

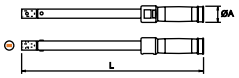
NOU

Cheie dinamometrica cu capete interschimbabile

27x36

- *angrenajul capului cu clichet este fabricat din Cr-V pentru rezistenta maxima*
- *afisaj dublu, mai mare si mai vizibil pentru o reglare a cuplului mai precisa si precisa*
- *scara Nm, lb.ft si Lb.in.*
- *maner ergonomic antiderapant*
- *sistem de blocare tip push*
- *cap reversibil cu clichet cu manetă de viteza*
- *acoperire: cromare oglinda*
- *cutie de transport individuala*
- *acuratete: 3%*





				L	A				
56494	27x36	300-1500	200-1100	1250	38	11000	1S	1	15586.51
56495	27x36	400-2000	300-1500	1250	38	11000	1S	1	16962.26
56496	27x36	600-3000	400-2200	1250	38	12000	1S	1	22463.83

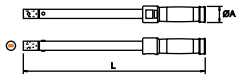
NOU

Cheie dinamometrica cu capete interschimbabile

22

- *angrenajul capului cu clichet este fabricat din Cr-V pentru rezistenta maxima*
- *afisaj dublu, mai mare si mai vizibil pentru o reglare a cuplului mai precisa si precisa*
- *scara Nm, lb.ft si Lb.in.*
- *maner ergonomic antiderapant*
- *sistem de blocare tip push*
- *cap reversibil cu clichet cu manetă de viteza*
- *acoperire: cromare oglinda*
- *cutie de transport individuala*
- *acuratete: 3%*





				L	A				
66007	22	200-1000	150-750 Lb.ft	990	38	4200	1S	1	14928.57

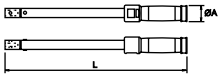
NOU

Cheie dinamometrica cu capete interschimbabile

16

- *angrenajul capului cu clichet este fabricat din Cr-V pentru rezistenta maxima*
- *afisaj dublu, mai mare si mai vizibil pentru o reglare a cuplului mai precisa si precisa*
- *scara Nm, lb.ft si Lb.in.*
- *maner ergonomic antiderapant*
- *sistem de blocare tip push*
- *cap reversibil cu clichet cu manetă de viteza*
- *acoperire: cromare oglinda*
- *cutie de transport individuala*
- *acuratete: 3%*





				L	A				
66001	16	2,5-12	20-105 Lb.in	285	38	440	1S	1	2338.42
66002	16	6,0-30	50-250 Lb.in	300	38	580	1S	1	2338.42
66003	16	10-60	9,0-45 Lb.ft	370	38	750	1S	1	2392.03
66004	16	40-200	30-150 Lb.ft	450	38	920	1S	1	2669.32
66005	16	65-335	50-250 Lb.ft	510	38	1060	1S	1	2856.86
66006	16	80-400	60-300 Lb.ft	635	38	1850	1S	1	7965.81

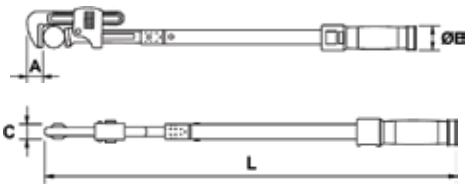
NOU

Cheie dinamometrica cu cap Stillson

- *cap de tip Stillson: ofera o prindere ferma si sigura pe o mare varietate de tevi, piulite si suruburi, chiar si pe suprafete deteriorate sau ruginite*
- *mecanism de cuplu: asigura o strangere precisa si controlata, prevenind deteriorarea componentelor*
- *disponibil intr-o varietate de intervale de cuplu: permite selectarea instrumentului potrivit pentru fiecare aplicatie.*
- *sistemul cu doua arcuri: permite actiunea de clichet, facilitand atat blocarea, cat si decuplarea imediată a cheii, permitand continuarea rapida a manevrei*
- *cap Stillson fabricat din otel special forjat conform norma UNE-16552, BS 3594-1 si GGG-W-00651d.*
- *material falca: fonta ductila*
- *material piulita: otel special*
- *material corp: otel*
- *material maner: TPR*
- *duritate dinti: 55-60 HRC*
- *duritate piulita: 32-48 HRC*



Capte Stillson:
3/4" (59090)
1.1/4" (59091)
2" (59112)
4" (59113)



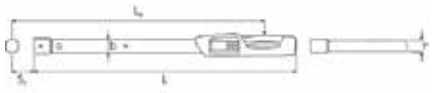
					L	A	B	C		
56440	3/4"	9x12	30-150	24-108	510	17	38	12	1000	3203.53
56441	1.1/4"	14x18	96-480	70-360	850	24	38	16	2500	5157.51
56492	2"	24x32	240-1200	180-900	1250	30	38	24	6200	10800.14
56493	4"	27x36	480-2400	360-1800	1500	49	38	30	13000	19965.24

730N

Cheie dinamometrica cu capete interschimbabile MANOSKOP®

- *dreptunghi de antrenare 9x12 mm sau 14x18 mm*
- *capetele interschimbabile (usor ajustabile, nu necesita dezasamblarea dispozitivului) pot si folosite si la aplicarea cuplului de forta in sens antiorar*
- *cheie electronica cu capete intershimbabile cu masurare rapida, presetare exacta datorita optiunii de selectare rapida (QuikSelect)*
- *semnal de oprire prin dubla avertizare sonora*
- *scala dubla cu marcaje colorate diferit pentru N m/ft.lb si ft.lb/inch.lb.*
- *se livreaza cu certificat de verificare emis de producator*
- *precizie de masurare ±3%*



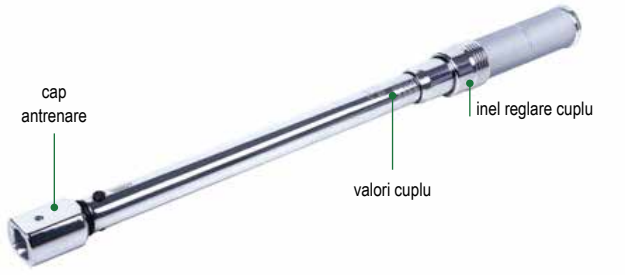


SW 50181102	-	4 - 20	40-180 in·lb	275	737	9x12	1	**2646.81**
SW 50181005	-	10 - 50	7-37 ft·lb	330	831	9x12	1	**2715.13**
SW 50181010	-	20 - 100	15 - 75 ft·lb	386	988	9x12	1	**3030.95**
SW 50181012	-	25 - 130	20 - 95 ft·lb	421	1128	14x18	1	**3210.20**
SW 50181020	-	40 - 200	30 - 150 ft·lb	467	1264	14x18	1	**3457.92**
SW 50181040	-	80 - 400	60 - 300 ft·lb	607	1655	14x18	1	**5037.38**
SW 50181065	-	130 - 650	100 - 480 ft·lb	890	3231	14x18	1	**7513.31**
SW 50181080	-	160 - 800	120 - 600 ft·lb	1178	4825	22x28	1	NOU **9741.74**
SW 50181100	-	200 - 1000	150 - 750 ft·lb	1363	5000	22x28	1	NOU **12166.55**

IST-11WM

Cheie dinamometrica cu capete interschimbabile

- *functionare numai in sensul acelor de ceasornic*
- *in conformitate cu DIN ISO 6789, ASME B107.300*
- *constructie integral metalica, robusta si durabila*



IST-11WM12	-	2.5 - 12	±4%	0.05	284	580	9x12	1	**1312.50**
IST-11WM30	-	6 - 30	±4%	0.1	303	720	9x12	1	**1344.00**
IST-11WM60	-	10 - 60	±4%	0.5	372	860	9x12	1	**1375.50**
IST-11WM125	-	25 - 125	±4%	0.5	427	940	9x12	1	**1144.50**
IST-11WM200	-	40 - 200	±4%	1	460	1060	14x18	1	**1522.50**
IST-11WM335	-	65 - 335	±4%	1	520	1200	14x18	1	**1659.00**

IST-SD

Surubelnita dinamometrica digitala

- *functionare in sensul acelor de ceasornic si invers acelor de ceasornic*
- *unitati: cN.m, in.lb, kg.cm*
- *valoarea cuplului tinta poate fi setata, cu alarma sonora si vizuala:*
  - *lumina LED verde aprinsa si sunet cand valoarea este de 90% -100% din cuplul tinta*
  - *LED-ul rosu aprins si sunet atunci cand se atinge valoarea cuplului tinta*
- *oprire automata in 5 minute fara nicio operatie*
- *alimentare: 1 x AAA*

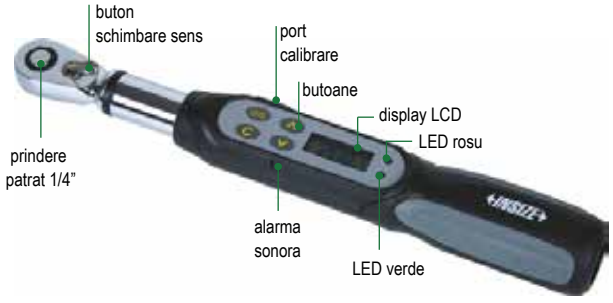


IST-SD50	10-50	1/4"	±3%	±4%	0.1	193	190	**3727.50**
IST-SD200	40-200	1/4"	±2.5%	±3.5%	0.1	203	200	**3727.50**
IST-SD400	80-400	1/4"	±2.5%	±3.5%	0.1	203	200	**3727.50**

IST-WP

Cheie dinamometrica digitala

- *functionare in sensul acelor de ceasornic si invers acelor de ceasornic*
- *unitati: cN.m, in.lb, kg.cm*
- *mod de lucru Peak si Track*
- *valoarea cuplului tinta poate fi setata, cu alarma sonora si vizuala:*
  - *lumina LED verde aprinsa si sunet cand valoarea este de 90% -100% din cuplul tinta*
  - *LED-ul rosu aprins si sunet atunci cand se atinge valoarea cuplului tinta*
- *oprire automata in 5 minute fara nicio operatie*
- *maner antialunecare*
- *protectie la suprasarcina (la atingerea de 110% din cuplul maxim)*
- *alimentare: 1 x AAA*



IST-WP6	1.2 - 6	1/4"	±3%	±4%	0.001	260	430	**4567.50**
IST-WP20	4 - 20	1/4"	±3%	±4%	0.01	260	430	**3087.00**

TORSIOTRONIC 10/29 NOU

Set surubelnita dinamometrica TORSIOTRONIC 29 piese

• indicarea si declansarea electromecanica
• clichet integrat cu 80 de dinți pentru un unghi de lucru de numai 4,5° și astfel o lucru deosebit de fin gradat - ideal pentru conexiuni cu șuruburi greu accesibile după eliberare, mecanismul de alunecare împiedică depășirea neintenționată a cuplului de strângere stabilit și strângerea excesivă a șurubului
• afișare clară a tuturor informațiilor relevante pe un afișaj color OLED luminos și care economisește baterie - care poate fi citit din aproape orice unghi
• evaluarea vizuală a strângerii șuruburilor prin intermediul culorilor semaforului din afișaj și LED-urilor laterale
• afișare în diferite limbi
• durată lungă de viață a bateriei cu modul standby de economisire a bateriei. Bateriile pot fi schimbate rapid și ușor.
• stochează până la 2.500 de operații și secvențe de înșurubare pentru citire și documentare ulterioară pe PC prin interfața micro-USB integrată
• cuplul țintă și toleranțele pentru evaluarea valorii măsurate pot fi setate individual
• perioadă scurtă de pregătire datorită elementelor de operare aproape auto-explicative și unei structuri de meniu ușor de înțeles
• trei moduri de operare (Click, Track, Peak Hold)
• semnal de oprire optic, acustic și haptic
• mânerul cu bile optimizat ergonomic permite lucrul fără oboseală și este rezistent la uleiuri, grăsimi, combustibili, lichide de frână și Skydrol
• cu pătrat exterior de 1/4" (6,3 DIN 3120/ISO 1174-1) pentru a găzdui prize de 1/4"
• cu pătrat interior de 1/4" la capătul mânerului (6.3 DIN 3120/ISO 1174-1) pentru a găzdui un mâner transversal de 1/4"
• unități de măsură: cN-m, N-m, ft-lb, in-lb, in-oz
• set livrare: Software SENSOMASTER 4, cablu USB, suport pentru biți, mâner în cruce (10)
• livrat cu baterie litiu 3,6 V, tip 18650, ambalat conform UN 3480
• certificat conform DIN EN ISO 6789-2:2017
• abaterea afișajului ± 4



SW 96510000	1/4"	1-10	0,7-7,3 ft·lb	420	575	1/4"	1	**14275.38**

1 Surubelnita dinamometrica Electromecanica Nr.TORSIOTRONIC 10 100-1000 cN-m 1/4".
1 CD SENSOMASTER 4
1 saiba izolatoare
1 maner in cruce 1/4" cu piesa de glisare L. 250 mm
1 insert cheie tubular 1/4" cu hexagon nr. 40 SW 4; 5; 5,5; 6; 7; 8; 9; 10 mm
Inserții de șurubelniță cu 3 biți de 1/4" pentru șuruburi cu cap încrucișat PH1; PH2, PH3
Inserții de șurubelniță cu 3 biți 1/4" pentru șuruburi cu cap în cruce PZ1; PZ2, PZ3
4 inserturi INHEX 1/4" Nr. 44 K: SW 3; 4; 5; 6 mm
5 biți de șurubelniță 1/4" pentru șuruburi TORX® din interior nr. 44 KTX: T8; T9; T10; T15; T20
5 biți de șurubelniță 1/4" pentru șuruburi TORX® interioare cu gaura nr. 44 KTXB: T8; T9; T10; T15; T20
1 suport bit 1/4" L.25mm
1 șurubelniță decalată TORX® nr. 10766 T8
1 cablu de conectare USB
1 baterie litiu-ion

721QR/20/3/1 Quick NOU

Set strangere roti

• cheie dinamometrica 40-200 N·m cu clichet QR de ½", cu chei tubulare pentru roti Nr. 51IMP K, 17 mm (verde), 19 mm (albastru), 20,8 mm (rosu), extensie 130 mm, 96507214
• setul la indemana contine toate instrumentele de care aveti nevoie pentru schimbarea rapida si uaoară a anvelopelor
• nu este nevoie sa setati cheia dinamometrica inapoi la „0" – valoarea de strangere poate ramane permanent setata datorita sistemului brevetat de eliberare cu uzura redusa cu tija flexibila



SW 96507214	40-200	30-150	560x95x75	920	1	**5703.32**

1 MANOSKOP® No 721QR/20 Quick, 40-200 N·m, 30 - 150 ft·lb, cu clichet QuickRelease reversibil, 1/2"
3 capete tubulare de impact pentru roti nr. 51IMP K, dimensiuni 17 (verde), 19 (albastru), 21 mm (rosu)

701/32/1 NOU

Set cheie dinamometrica SENSOTORK® 701/32/1

• design foarte subțire și compact pentru cupluri mici de la 1 N-m
• unități de măsură: N-m, cN-m, ft-lb, in-lb
• măsurare independentă de punctul de aplicare a forței
• funcții suplimentare cu software-ul SENSOMASTER 4
• livrat cu baterie litiu 3,6 V, tip 14500
• calibrare cu dispozitivul de calibrare perfectControl nr. 7794 sau sistemul de calibrare nr. 7706.
• cu certificat
• acuratete: ± 4



SW 96090005	1/4"	1-20	0,7-15 ft·lb	320	920	1/4"	1	**5703.32**

1 cheie dinamometrică nr. 701/2, 1-20 N-m, 1/4"
Inserții pentru chei tubulare de 11 1/4" nr. 40, SW 4; 5; 5,5; 6; 7; 8; 9; 10; 11; 12; 13 mm
Prelungire QuickRelease 1 1/4" L. 54 mm
1 suport bit nr. 412
3 biți pentru șuruburi Phillips Nr. 1221-1223, PH1; PH2; PH3
3 biți pentru șuruburi Phillips Nr. PZ1221-1223, PZ1; PZ2; PZ3
4 biți pentru șuruburi cu cap hexagonal nr. 13011304, SW 4; 5; 6; 8 mm
7 biți pentru șuruburi interne TORX® Nr. 1414-1420, T10; T15; T20; T25; T27; T30; T40
1 cablu USB nr.7754, mufa USB-A la mufa Micro-B

730R/40/32 Quick NOU

Set chei dinamometrice MANOSKOP® Quick

• click-type
• elementul de măsurare este doar sub sarcină în timp ce se aplică forța, nu este necesară resetarea manuală la zero
• suport pentru unelte interschimbabile de inserție/carcasă
• blocare de siguranță QuickRelease
• setare rapidă datorită manetei de blocare cu acțiune ușoară din mâner
• dispozitiv de reglare anti-alunecare, proiectat ergonomic, cu o locașă pentru degetul mare
• maner convex optimizat pentru lucru fără efort
• semnal dublu de oprire
• poate fi aplicat fie pentru strângerea în sensul acelor de ceasornic, fie în sens invers acelor de ceasornic prin răsturnarea inserțiilor
• cu certificat
• valoarea abaterii afișajului ± 4%



SW 96502053	80 - 400	480x240x60	9739	1	**14505.91**

1 Service-MANOSKOP® No 730/40 Quick, 80-400 N·m
1 clichet nr. 735/20, reversibil, 1/2"
1 clichet nr. 734/20, 1/2"
7 capete chei fixe 731/40: 13; 15; 17; 19; 22; 27; 30 mm
1 cap cheie fixa nr. 3731/40, 24 mm
7 capete chei inelare Nr 732/40: 13; 15; 17; 19; 22; 24; 27 mm
10 capete tubulare 12 laturi nr 50: 13; 14; 15; 17; 19; 22; 24; 27; 30; 32 mm
4 accesorii, 1/2"
1 antrenor in T nr 506
1 prelungitor nr 509/10, 255 mm
1 prelungitor nr 509/5, 130 mm
1 prelungitor nr 509/2, 55 mm

IST-WS Tip A

NOU

Cheie dinamometrica digitala

- *functionare in sensul acelor de ceasornic si invers acelor de ceasornic*
- *unitati: N.m, in.lb, ft.lb, kg.cm*
- *trei moduri de măsurare:*
  - *Modul unghiular: unghiul de rotatie poate fi setat, cand se întoarce la unghi, 2 LED-uri care clipesc si soneria emite un bip, captand valorile cuplului*
  - *Mod de afisare a valorii maxime: captarea valorilor de varf ale cuplului*
  - *Mod de afisare a valorii in timp real: urmărirea in timp real a valorilor cuplului*
- *in modul unghiul si in modul valoare maxima, limitele superioare si inferioare de toleranta pot fi setate pentru a determina trecerea sau esecul de catre luminile LED*
- *memorie de 50 de rezultate*
- *intrati în modul de economisire a energiei dupa 2 minute*
- *maner antiderapant*
- *cu inregistrare de suprasarcina (odata ce cuplul atinge 110% din intervalul maxim)*
- *alimentare: 2 x AA (pentru 110 ore de lucru)*



INSPECTION CERTIFICATE

INSIZE

	N.m	■	↻	↺		L		
IST-4W30A	6-30	1/4"	±2%	±3%	0.01	390	760	**7182.00**
IST-4W135A	27-135	3/8"	±2%	±3%	0.1	415	940	**7591.50**
IST-4W200A	40-200	1/2"	±2%	±3%	0.1	530	1340	**8211.00**
IST-4W340A	38-340	1/2"	±2%	±3%	0.1	650	1540	**9019.50**

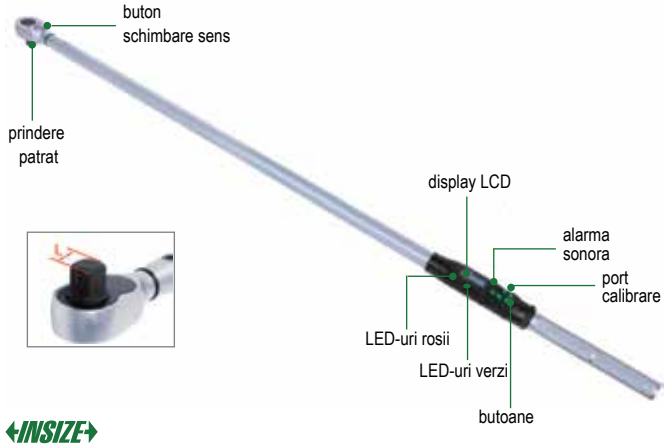
IST-WS Tip B

NOU

Cheie dinamometrica digitala

- *functionare in sensul acelor de ceasornic si invers acelor de ceasornic*
- *unitati: N.m, in.lb, ft.lb, kg.cm*
- *trei moduri de măsurare:*
  - *Modul unghiular: unghiul de rotatie poate fi setat, cand se întoarce la unghi, 2 LED-uri care clipesc si soneria emite un bip, captand valorile cuplului*
  - *Mod de afisare a valorii maxime: captarea valorilor de varf ale cuplului*
  - *Mod de afisare a valorii in timp real: urmărirea in timp real a valorilor cuplului*
- *in modul unghiul si in modul valoare maxima, limitele superioare si inferioare de toleranta pot fi setate pentru a determina trecerea sau esecul de catre luminile LED*
- *memorie de 50 de rezultate*
- *intrati în modul de economisire a energiei dupa 2 minute*
- *maner antiderapant*
- *cu inregistrare de suprasarcina (odata ce cuplul atinge 110% din intervalul maxim)*
- *alimentare: 2 x AA (pentru 110 ore de lucru)*

INSPECTION CERTIFICATE



INSIZE

	N.m	■	↻	↺		L		
IST-4W850A	170-850	3/4"	±2.5%	±3.5%	0.1	1220	6000	**26491.50**
IST-4W1200A	240-1200	1"	±2.5%	±3.5%	1	1800	9100	**35343.00**
IST-4W1500A	300-1500	1"	±2.5%	±3.5%	1	1800	9100	**38871.00**
IST-4W2000A	400-2000	1"	±2.5%	±3.5%	1	1800	10500	**46641.00**

IST-25WM

NOU

Cheie dinamometrica mecanica cu setare digitala

- *fara masuratori in timp real*
- *functionare numai in sens orar*
- *unitati: N.m, in.lb, ft.lb, kg.cm*
- *cheie dinamometrica mecanic cu "click" , valoarea cuplului pre-setat este afisat pe display*



INSIZE

	N.m	■	↻	↺		L		
IST-25WM60	12-60	9x12	±3%	-	0.1	408	1300	**2005.50**
IST-25WM100	20-100	9x12	±3%	-	0.1	431	1400	**2310.00**
IST-25WM140	28-140	14x18	±3%	-	0.1	492	1450	**2688.00**
IST-25WM200	40-200	14x18	±3%	-	0.1	510	1500	**2793.00**
IST-25WM300	60-300	14x18	±3%	-	0.1	568	1700	**3181.50**

IST-19WM

NOU

Cheie dinamometrica mecanica cu setare digitala

- *fara masuratori in timp real*
- *functionare numai in sens orar*
- *unitati: N.m, in.lb, ft.lb, kg.cm*
- *cheie dinamometrica mecanic cu "click" , valoarea cuplului pre-setat este afisat pe display*



INSIZE

	N.m	■	↻	↺		L		
IST-19WM60	12-60	3/8"	±3%	-	0.1	408	1300	**2310.00**
IST-19WM100	20-100	3/8"	±3%	-	0.1	431	1400	**2719.50**
IST-19WM140	28-140	1/2"	±3%	-	0.1	492	1450	**3160.50**
IST-19WM200	40-200	1/2"	±3%	-	0.1	510	1500	**3265.50**
IST-19WM300	60-300	1/2"	±3%	-	0.1	568	1700	**3727.50**

IST-WS

Cheie dinamometrica digitala scurta

- *functionare in sensul acelor de ceasornic si invers acelor de ceasornic*
- *unitati: cN.m, in.lb, kg.cm*
- *mod de lucru Peak si Track*
- *valoarea cuplului tinta poate fi setata, cu alarma sonora si vizuala:*
  - *lumina LED verde aprinsa si sunet cand valoarea este de 90% -100% din cuplul tinta*
  - *LED-ul rosu aprins si sunet atunci cand se atinge valoarea cuplului tinta*
- *oprire automata in 5 minute fara nicio operatie*
- *maner antialunecare*
- *protectie la suprasarcina (la atingerea de 110% din cuplul maxim)*
- *alimentare: 1 x AAA*

INSPECTION CERTIFICATE



INSIZE

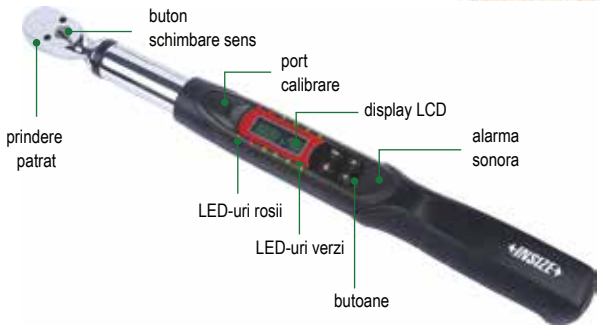
						L		
IST-WS30	6 - 30	1/4"	±3%	±4%	0.01	215	750	**2898.00**
IST-WS30A	6 - 30	3/8"	±3%	±4%	0.01	215	830	**2898.00**
IST-WS60	12 - 60	3/8"	±3%	±4%	0.01	225	917	**2971.50**
IST-WS85	17 - 85	3/8"	±3%	±4%	0.1	271	1000	**3087.00**

IST-W

Cheie dinamometrica digitala

- *functionare in sensul acelor de ceasornic si invers acelor de ceasornic*
- *unitati: cN.m, in.lb, kg.cm*
- *mod de lucru Peak si Track*
- *valoarea cuplului tinta poate fi setata, cu alarma sonora si vizuala:*
  - *lumina LED verde aprinsa si sunet cand valoarea este de 90% -100% din cuplul tinta*
  - *LED-ul rosu aprins si sunet atunci cand se atinge valoarea cuplului tinta*
- *oprire automata in 5 minute fara nicio operatie*
- *maner antialunecare*
- *protectie la suprasarcina (la atingerea de 110% din cuplul maxim)*
- *alimentare: 2 x AA*

INSPECTION CERTIFICATE



INSIZE

						L		
IST-W30A	6-30	1/4"	±2%	±3%	0.01	390	830	**2898.00**
IST-W135A	27-135	3/8"	±2%	±3%	0.1	415	950	**3013.50**
IST-W200A	40-200	1/2"	±2%	±3%	0.1	530	1400	**3475.50**
IST-W340A	68-340	1/2"	±2%	±3%	0.1	650	1600	**3696.00**
IST-W500A	100-500	3/4"	±2.5%	±3.5%	0.1	950	2100	**8305.50**
IST-W850A	170-850	3/4"	±2.5%	±3.5%	0.1	1220	2550	**9733.50**
IST-W1200A	240-1200	1"	±2.5%	±3.5%	1.0	1800	13000	**15981.00**
IST-W1500A	300-1500	1"	±2.5%	±3.5%	1.0	1800	13000	**17913.00**
IST-W2000A	400-2000	1"	±2.5%	±3.5%	1.0	1800	14000	**21294.00**

266

Cheie dinamometrica cu afisaj electronic 1/4" 1,5-30 Nm

1/2"

- *avertizare atingere cuplul setat: sonor + 12 LED-uri*
- *modul de functionare: Peak hold / Track*
- *selectie unitate: N-m, in-lb, ft-lb, kg-cm*
- *tip cap: cap interschimbabil*
- *numar de dinti clichet: 52*
- *baterii: AA × 2 bucati*
- *durata de viata a bateriei (functionare continua): 110 ore*
- *durata de viata a bateriei (standby): 1 an*
- *capacitate memorie: 250 masuratori*
- *10 setari cuplu prestabilite*
- *temperatura de functionare: -10˚C ~ 60˚C*
- *temperatura de depozitare: -20˚C ~ 70˚C*
- *umiditate: pana la 90% fara condens*
- *test la cadere: 1 m*
- *test vibratii: 10G*
- *garantie: 10.000 cicluri / un an*
- *etalonari online*
- *certificat de compatibilitate electromagnetic*
- *acuratete CW: +/-2%, CCW: +/-3%*
- *posibilitate de conectare la PC*





UNIOR

				L	Rezolutie	Antrenare		
627575	1/4"	1.5 - 30	1.11 - 22.12	390	0.01 Nm	9x12	1	**2131.80**

266

Cheie dinamometrica cu afisaj electronic 1/2" 6,8-135 Nm

1/2"

- *avertizare atingere cuplul setat: sonor + 12 LED-uri*
- *modul de functionare: Peak hold / Track*
- *selectie unitate: N-m, in-lb, ft-lb, kg-cm*
- *tip cap: cap interschimbabil*
- *numar de dinti clichet: 52*
- *baterii: AA × 2 bucati*
- *durata de viata a bateriei (functionare continua): 110 ore*
- *durata de viata a bateriei (standby): 1 an*
- *capacitate memorie: 250 masuratori*
- *10 setari cuplu prestabilite*
- *temperatura de functionare: -10˚C ~ 60˚C*
- *temperatura de depozitare: -20˚C ~ 70˚C*
- *umiditate: pana la 90% fara condens*
- *test la cadere: 1 m*
- *test vibratii: 10G*
- *garantie: 10.000 cicluri / un an*
- *etalonari online*
- *certificat de compatibilitate electromagnetic*
- *acuratete CW: +/-2%, CCW: +/-3%*
- *posibilitate de conectare la PC*





UNIOR

				L	Rezolutie	Antrenare		
627576	1/2"	6.8 - 135	5.0 - 99.5	410	0.01 Nm	9x12	1	**2265.57**

266

Cheie dinamometrica cu afisaj electronic 1/2" 10-200 Nm

1/2"

- *avertizare atingere cuplul setat: sonor + 12 LED-uri*
- *modul de functionare: Peak hold / Track*
- *selectie unitate: N-m, in-lb, ft-lb, kg-cm*
- *tip cap: cap interschimbabil*
- *numar de dinti clichet: 52*
- *baterii: AA × 2 bucati*
- *durata de viata a bateriei (functionare continua): 110 ore*
- *durata de viata a bateriei (standby): 1 an*
- *capacitate memorie: 250 masuratori*
- *10 setari cuplu prestabilite*
- *temperatura de functionare: -10˚C ~ 60˚C*
- *temperatura de depozitare: -20˚C ~ 70˚C*
- *umiditate: pana la 90% fara condens*
- *test la cadere: 1 m*
- *test vibratii: 10G*
- *garantie: 10.000 cicluri / un an*
- *etalonari online*
- *certificat de compatibilitate electromagnetic*
- *acuratete CW: +/-2%, CCW: +/-3%*
- *posibilitate de conecatre la PC*



UNIOR

				L	Rezolutie	Antrenare		
627577	1/2"	10 - 200	7.4 - 147.5	410	0.01 Nm	14x18	1	2399.67

266B

Cheie dinamometrica cu afisaj electronic

1/2"

- *chei dinamometrice special concepute pentru servisarea bicicletelor*
- *maner anti-alunecare*
- *avertizare la atingerea cuplului: sonor + 2 LED-uri*
- *mod de functionare: peak hold / track*
- *unitati de masura: N-m, in-lb, ft-lb, kg-cm*
- *numar dinti clichet: 60*
- *baterie: 1 × AAA (nu sunt incluse), compatibil cu baterie reincarcabila*
- *garantie: 10.000 cicluri / un an*
- *oprirea automata dupa 5 minute*



UNIOR

			L			
627784	1/4"	1.0 - 20	207	1S	1	1702.19
627785	1/2"	4.2 - 85	290	1S	1	1702.19



730D

Cheia dinamometrica digitala cu cap de antrenare interschimbabil MANOSKOP®

- *semnal de declansare tactil si acustic*
- *utilizare cu capete interschimbabile*
- *blocare de siguranta QuickRelease*
- *setare rapida utilizand tastatura convenabila*
- *compensare automata pentru a obtine un cuplu de strangere corect chiar daca este introdusa o extensie modificata*
- *protectie la suprasarcina prin intermediul semnalelor acustice si vizuale*
- *blocarea automata a tastaturii previne modificarile accidentale*
- *afisajul functioneaza si pentru cuplul in sens invers acelor de ceasornic*
- *unitati de masura: N · m, ft · lb, in · lb*
- *pot fi stabilite limite diferite de toleranta pentru fiecare articulatie*
- *semnalele vizuale rosii di verzi de pe afisaj confirma starea articulatiei*
- *securitate suplimentara pentru presetari (modul functional, declansator sau valoare presetata, unitate de masura, toleranta, salvare, extensie deviata) utilizand codul PIN*
- *pot fi stocate pana la 7.500 de masuratori*
- *interfata USB*
- *notificare automata a urmatoarei date de calibrare*
- *calibrare utilizand unitatea de calibrare perfectControl® nr. 7794 sau sistemul de calibrare nr. 7791*
- *maner bicomponent cu straturi mai moi de culoare verde proiectate ergonomic (rezistente la uleiuri, grasimi, combustibili, lichide de frana si skydrol)*
- *certificat in conformitate cu DIN EN ISO 6789-2: 2017*
- *in cutie de plastic robusta (dimensiuni 40-100 in cutie de otel)*
- *brevet*
- *livrat cu doua baterii de 1,5 V AA. Se pot utiliza si baterii reincarcabile AA / LR6, 1,2 V*
- *fiseaza valoarea deviatiei ± 2%, ± 1 digit*



STAHLWILLE



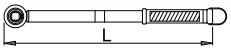
				L		Antrenare		
SW 96501710	-	10 - 100	7.4 - 75	467	1510	9x12	1	4858.13
SW 96501720	-	20 - 200	15 - 150	548	1896	14x18	1	5225.22
SW 96501740	-	40 - 400	30 - 300	688	5155	14x18	1 NOU	7257.22
SW 96501765	-	65 - 650	48 - 480	870	6000	14x18	1 NOU	8964.80
SW 96502080	-	80 - 800	60 - 600	1160	10500	22x28	1 NOU	14335.18
SW 96502100	-	100 - 1000	74 - 750	1344	11000	22x28	1 NOU	17630.82

TWS (Super)

Cheie dinamometrica cu afisaj electronic si cu capete interschimbabile Super acuratete ±1%

- *abaterea maxima admisibila ± 1% din citirea masurarii efective*
- *comunicare standard prin USB sau prin Bluetooth*
- *comunicare prin serial si Zigbee disponibile la cerere*
- *durata de viata a bateriei: pana la 180 de ore.*
- *limbi: engleza, germana, franceza, spaniola, italiana, rusa, poloneza, portugheza, chineza*
- *unitati: Nm, ozf.in, lbf.in, lbf.ft, kgf.cm, kgf.m*
- *unghi de vizualizare de 170 grade*
- *clichet reversibil*
- *LED si ecran cu vizibilitate mare*
- *Semnale de avertizare*
- *Membrana tactila*
- *Comutator cu semnale de avertizare verde/rosu*
- *Manere ergonomice pentru confort*
- *4 baterii AA*





BMS TORQUE SOLUTIONS

				L		Antrenare		
TW010S	3/8"	1 - 5	-	410	850	9x12	1	5381.80
TW050S	3/8"	5 - 50	-	410	850	9x12	1	5381.80
TW200S	1/2"	20 - 200	-	625	1300	14x18	1	5670.98
TW340S	1/2"	34 - 340	-	625	1300	14x18	1	5670.98
TW600S	3/4"	60 - 600	-	1200	4000	24x32	1	11649.84

730DR

Cheia dinamometrica digitala cu cap de antrenare interschimbabil 1/2” (14x18 mm) MANOSKOP®

- *semnal de declansare tactil si acustic*
- *utilizare cu capete interschimbabile*
- *blocare de siguranta QuickRelease*
- *setare rapida utilizand tastatura convenabila*
- *compensare automata pentru a obtine un cuplu de strangere corect chiar daca este introdusa o extensie modificata*
- *protectie la suprasarcina prin intermediul semnalelor acustice si vizuale*
- *blocarea automata a tastaturii previne modificarile accidentale*
- *afisajul functioneaza si pentru cuplul in sens invers acelor de ceasornic*
- *unitati de masura: N · m, ft · lb, in · lb*
- *pot fi stabilite limite diferite de toleranta pentru fiecare articulatie*
- *semnalele vizuale rosii di verzi de pe afisaj confirma starea articulatiei*
- *securitate suplimentara pentru presetari (modul functional, declansator sau valoare presetata, unitate de masura, toleranta, salvare, extensie deviata) utilizand codul PIN*
- *pot fi stocate pana la 7.500 de masuratori*
- *interfata USB*
- *notificare automata a urmatoarei date de calibrare*
- *calibrare utilizand unitatea de calibrare perfectControl® nr. 7794 sau sistemul de calibrare nr. 7791*
- *maner bicomponent cu straturi mai moi de culoare verde proiectate ergonomic (rezistente la uleiuri, grasimi, combustibili, lichide de frana si skydrol)*
- *certificat in conformitate cu DIN EN ISO 6789-2: 2017*
- *in cutie de plastic robusta (dimensiuni 40-100 in cutie de otel)*
- *brevet*
- *livrat cu doua baterii de 1,5 V AA. Se pot utiliza si baterii reincarcabile AA / LR6, 1,2 V*
- *fiseaza valoarea deviatiei ± 2%, ± 1 digit*



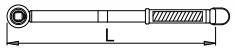
SW 96501810	1/2”	10 - 100	7,4 - 75	501	1232	9x12	1 NOU	**5652.04**
SW 96501820	1/2”	20 - 200	15 - 150	595	1663	14x18	1	**6036.26**
SW 96501840	3/4”	40 - 400	30 - 300	738	2232	14x18	1 NOU	**8384.22**
SW 96501865	3/4”	65 - 650	48 - 480	975	3767	14x18	1 NOU	**10279.72**
SW 96501880	3/4”	80 - 800	60 - 600	1255	6492	24x32	1 NOU	**18390.72**
SW 96501800	3/4”	100 - 1000	900-9000	1439	6910	24x32	1 NOU	**21686.36**

TWP (Pro)

Cheie dinamometrica cu afisaj electronic si cu capete interschimbabile Pro acuratete ±1%

- *abaterea maxima admisibila ± 1% din citirea masurarii efective*
- *comunicare standard prin USB sau prin Bluetooth*
- *comunicare prin serial si Zigbee disponibile la cerere*
- *durata de viata a bateriei: pana la 180 de ore.*
- *limbi: engleza, germana, franceza, spaniola, italiana, rusa, poloneza, portugheza, chineza*
- *unitati: Nm, ozf.in, lbf.in, lbf.ft, kgf.cm, kgf.m*
- *unghi de vizualizare de 170 grade*
- *clichet reversibil*
- *LED si ecran cu vizibilitate mare*
- *Semnale de avertizare*
- *Membrana tactila*
- *Comutator cu semnale de avertizare verde/rosu*
- *Manere ergonomice pentru confort*
- *4 baterii AA*





TW2000P	1”	200 - 2000	-	1600	8000	27x36	1	**21920.33**

TWW (EZ)

Cheie dinamometrica cu afisaj electronic si cu capete interschimbabile EZ acuratete ±1%

- *abaterea maxima admisibila ± 1% din citirea masurarii efective*
- *comunicare standard prin USB sau prin Bluetooth*
- *comunicare prin serial si Zigbee disponibile la cerere*
- *durata de viata a bateriei: pana la 180 de ore.*
- *limbi: engleza, germana, franceza, spaniola, italiana, rusa, poloneza, portugheza, chineza*
- *unitati: Nm, ozf.in, lbf.in, lbf.ft, kgf.cm, kgf.m*
- *unghi de vizualizare de 170 grade*
- *clichet reversibil*
- *LED si ecran cu vizibilitate mare*
- *Semnale de avertizare*
- *Membrana tactila*
- *Comutator cu semnale de avertizare verde/rosu*
- *Manere ergonomice pentru confort*
- *4 baterii AA*



Mod de urmarire



afiseaza cuplul aplicat in timp real

Mod de presetare

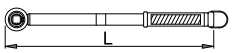


ecranul isi schimba culoarea la atingerea cuplului presetat

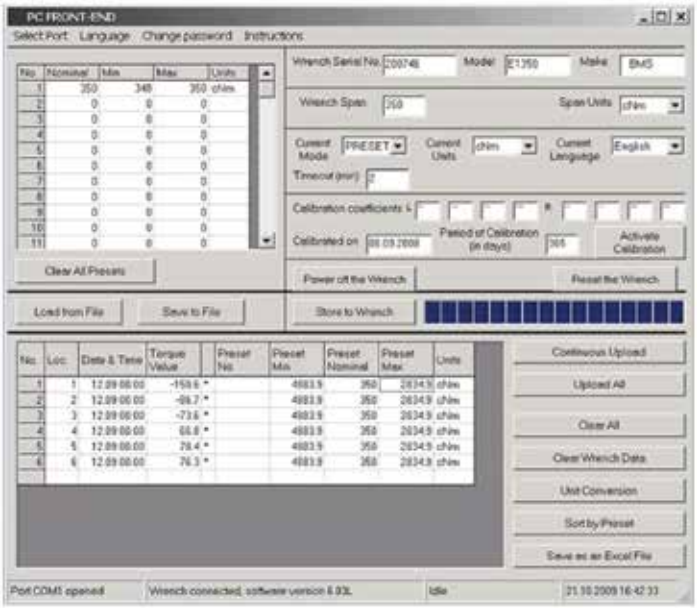
Memorie



memoreaza si afiseaza mai mult de 2000 de rezultate sau incarcari pe PC sau SPC



TW800W	3/4”	80 - 800	-	1360	6000	24x32	1	**13148.36**



DESCRIEREA FUNCTIILOR CHEII DINAMOMETRICE BMS

MODUL TRACK
In momentul aplicarii cuplului, cheia dinamometrica va afisa in mod activ aceasta valuare. Afisajul va reveni la zero, atunci cand inceteaza aplicarea cuplului.

MODUL (MOMENT MAXIM) PEAK
Afisajul cuplului maxim ramane in continuare activat in cazul in care inceteaza aplicarea cuplului Utilizatorul are optiunea de a stoca citirile in memorie sau a continua cu urmatoarea citire.

NUMAI DEPLASARE
Afisarea momentului de torsiune la un unghi specificat de catre utilizator (implicit de 3 grade) precum si unghiul si cuplul final. Utilizatorul poate memora rezultatele.

NUMAI UNGHIUL
Afiseaza cuplul si unghiul in timpul aplicarii momentului de torsiune. Utilizatorul poate stoca rezultatele finale

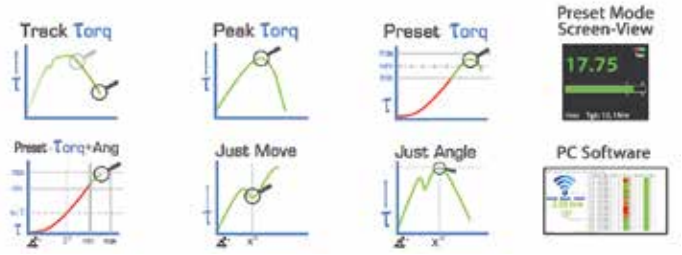
REGLAJ
Permite utilizatorului sa regleze limitele pentru functia de moment de torsiune si moment & unghi.

PRESETARE
In cazul functiei de presetare, utilizatorul poate alege pana la 99 de presetari programate cu limitari pentru cuplu sau unghiul cuplului. Rezultatele pot fi stocate.

RECHEMARE
Cu ajutorul functiei de rechemare, utilizatorul poate derula peste 2000 de rezultate stocate.

INCARCARE
Cu ajutorul functiei de incarcare, utilizatorul poate incarca toate sau o selectie de informatii stocate de cheia dinamometrica

COMMS *(comunicatii)*
Cu ajutorul functiei Comms utilizatorul poate alege metoda incarcarii informatiilor pe un calculator. Exista posibilitatea alegerii intre ASCII, Binary si PCFE.



OPTIUNI MENIU	Ez	Pro	Super
Limba, comunicatii, varf, setare, incarcare, stergere		●	●
Data, parcurs, presetare, unitati	●	●	●
Afisaj cu LED	●	●	●
Unitati de masura: cNm, Nm, kgfm, kgfcm, ozins, lbins, lbft	●	●	●
Alarme: semnale audio si vizuale	●	●	●
Setare automata a punctului zero	●	●	●
Inchidere automata	●	●	●
Depasirea cuplului: sistem de avertizare pe ecran	●	●	●
Capete interschimbabile	●	●	●
Baterii: durata de viata mai mare de 180 de ore	●	●	●
Capacitate de stocare: mai mare de 2000 de inregistrari		●	●
Limbi: engleza,	●	●	●
chineza, franceza, germana, italiana, japoneza, poloneza, portugheza, rusa, spaniola, romana si altele, la cerere			●
Presetari programabile: 99, prin PC sau direct pe cheie			●
Calibrare electronica: dupa data sau numar de masuratori			●
Precizie mai buna de 1% din citirile reale LHS & RHS de la 10% la 100% din intervalul specificat	●	●	●
Afisare masuratori: de la 2% pana la maxim	●	●	●
Compatibil Windows Excel si SPC			●
Comunicare USB bidirectionala		●	●
Comunicari PLC: folosind transferul ASCII sau binar			●

IST-12W

Cheie dinamometrica digitala cu Bluetooth

- *unitati de masura: N.m, in.lb, ft.lb, kg.cm*
- *functionare in sensul acelor de ceasornic si invers acelor de ceasornic*
- *modul de lucru: Peak and Mode*
- *se pot seta 9 valori ale cuplului tinta, cu alarma sonora si vizuala:*

- lumina LED verde aprinsa si semnal sonor atunci cand valoarea cuplului este de 80% - 99,5% din cuplul tinta
- atat lumina LED verde, cat si cea rosie aprinsa si semnal sonor atunci cand valoarea cuplului este peste 99,5% din cuplul tinta

- *capacitate de memorare a 2000 de rezultate*
- *oprire automata in 2 minute*
- *maner antiderapant*

Transmiterea datelor:
- *transmisie date prin Bluetooth (Bluetooth 4.0)*
- *transmisie si control bidirectional*
- *distanta de transmisie: 10 m (fara obstacole, fara interferente electromagnetice)*
- *conexiunea si deconectarea Bluetooth sunt afisate de indicatorul luminos*

Software:
- *in sistemul Windows10 versiunea 1709 sau mai sus*
- *doua moduri de functionare:*

- mod de transmitere a datelor: cheia transmite valoarea reala a cuplului catre software dupa utilizare
- modul de ghidare al programului: mai intai setati procesul pe software (setati secventa de ajustare, selectati surubul si setati valorile cuplului si tolerantele). Apoi, software-ul arata ce cheie ar trebui sa utilizeze operatorul (indicatorul cheii selectate este aprins) si arata valoarea cuplului tinta si numarul de serie al surubului care trebuie strans (se afiseaza pe cheie); Dupa ce operatiunea este terminata, valoarea cuplului real este trimisa software-ului.

- *cheiea poate trimite numai date calificate dupa operare (in conformitate cu toleranta)*
- *doua moduri de transmitere a datelor: automat sau apasati butonul pentru a trimite*
- *cand cheia este deconectata, datele sunt stocate in cheie si trimise automat la computer dupa conectare prin Bluetooth*
- *datele din software pot fi tiparite sau exportate in Excel*
- *alimentare: 2 x AA*

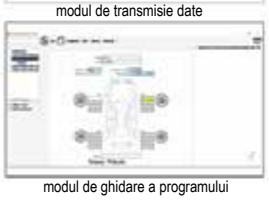




un computer poate fi conectat cu mai multe chei, distante de transmisie este de 10 metri (fara obstacole, fara interferente electromagnetica)



modul de transmisie date



modul de ghidare a programului

	N.m	■				L		
IST-12W30A	6 - 30	1/4"	±2%	±3%	0.01	390	760	**12988.50**
IST-12W135A	27 - 135	3/8"	±2%	±3%	0.1	415	940	**12988.50**
IST-12W200A	40 - 200	1/2"	±2%	±3%	0.1	530	1340	**12988.50**
IST-12W340A	68 - 340	1/2"	±2%	±3%	0.1	650	1540	**13240.50**

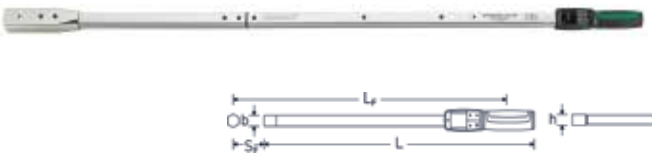
714

Cheia dinamometrica digitala unghiulara cu capete interschimbabil MANOSKOP®

• 4 moduri de masurare (moment de rasucire, unghi de rotire, moment de rasucire cu control variabil al unghiului de rotire, unghi de rotire cu control variabil al momentului de rasucire)
• afisaj grafic color de inalta rezolutie cu lumini de semnalizare laterale suplimentare, structura meniu liber configurabila
• 3 moduri de functii: declansare, varf (afisare functionare cu afisaj valoare de varf) si cale (afisare functionare cu afisaj valoare curenta)
• interfata Micro-USB 2,0
• memorie de date (2500 operatiuni de insurubat), pana la 200 insurubari programabile in maxim 25 de procese
• unitati de masura: Nm, ft.lb, in.lb/moment corectat automat la introducerea unei dimensiuni deviate efective
• semnal de decuplare sesizabil, optic si acustic, cuplu si unghi de rotatie vizibile concomitent
• semnalare automata a urmatorului termen de calibrare in functie de timp si/sau numarul incarcarilor
• rezolutie de afisare unghi de rotatie 0,1°
• rezolutia de afisaj a cuplului ≤ 60 Nm: 0,01 Nm > 60 Nm: 0,1 Nm
• setare rapida si precisa prin intermediul tastaturii, blocare automata a tastelor pentru protectia impotriva dereglarii neintentionate
• protectie la supraincarcare asigurata de semnale de avertizare acustice si optice precum si decuplarea fortata (dreapta)
• anevrare sigura datorita manerului cu forma ergonomica (rezistent la uleiuri, vaseline, combustibili, lichide de frana si Skydrol)

Set de livrare:
• in cutie robusta din plastic (dimensiune 40 in cutie din tabla de otel), cu software Sensomaster, cablu USB, 4 micro-baterii AAA/LR03, pot fi folositi acumulatori Micro-NiMH de 1,5 V AAA, 1,2 V.











STAHLWILLE

SW 96500901	-	1 - 10	0,7 - 7,5	188	370	9x12	1	12730.01
SW 96500902	-	2 - 20	1,5 - 15	188	380	9x12	1	NOU 12730.01
SW 96500904	-	4 - 40	3 - 30	214	420	9x12	1	NOU 13387.43
SW 96500906	-	6 - 60	4,5 - 45	355	810	9x12	1	NOU 13387.43
SW 96500910	-	10 - 100	7,4 - 75	428	1085	9x12	1	NOU 13959.49
SW 96500920	-	20 - 200	15 - 150	516	1361	14x18	1	NOU 14138.74
SW 96500940	-	40 - 400	30 - 300	656	1765	14x18	1	NOU 15752.44
SW 96500965	-	65 - 650	48 - 480	890	3222	24x32	1	NOU 19141.96
SW 96500980	-	80 - 800	60 - 600	1158	4572	24x32	1	NOU 22915.77
SW 96500100	-	100 - 1000	74 - 750	1343	4990	24x32	1	NOU 24145.25

713R NOU

Cheia dinamometrica digitala unghiulara cu capete interschimbabil SENSOTORK®

• operare simplă, flexibilă datorită ghidării operatorului pe afișaj de format mare
• domeniu de măsurare foarte larg (5% până la 100% din valoarea nominală)
• livrata cu unelte de inserare clichet reversibil, mai multe scule de inserare
• blocare de siguranță QuickRelease
• pentru cuplu în sensul acelor de ceasornic și în sens invers acelor de ceasornic
• măsurători independente de punctul de aplicare a forței
• unități de măsură: N·m, ft·lb, in·lb
• puncte de avertizare anticipata programabile pentru semnale vizuale, tactile si acustice
• cuplul și unghiul sunt vizibile simultan
• nou: afișajul iluminat din spate ajută la evaluarea operațiunii de strângere (culori semafor).
• măsurare convenabilă a unghiului într-un interval de unghi foarte larg fără braț de referință
• lungimile sculelor de inserție pot fi setate individual
• ușor de întreținut datorită ajustării ușoare și reamintirii automate a următoarei date de calibrare
• îmbinările repetate pot fi adunate pentru a forma o singură secvență ghidată de meniu
• nou: lucrările de strângere sunt stocate cu un marcaj de timp
• posibile marcaje individuale de identificare
• protecție prin parolă pentru a preveni modificările accidentale și pentru a face instrumentul inviolabil
• îndeplinește cerințele DKD-R 3-7, Clasa 2
• cu certificat
• în carcasă solidă din plastic (dimensiunea 40 în carcasă din oțel dur)
• se livreaza cu doua baterii AA de 1,5 V. AA/LR6, pot fi utilizate și celule reîncărcabile NiMH de -.2 V.
• calibrare complet automatizată (cuplu) folosind unitatea de calibrare perfectControl nr. 7794-2.
• reglare fara demontare.
• afisarea valorii abaterii pentru unghi ± 1°
• valoarea abaterii afișajului ± 1%



STAHLWILLE

						Antrenare		
SW 96501606	3/8"	3 - 60	2,5 - 44	378	856	9x12	1	13771.65
SW 96501620	1/2"	10 - 200	7,0 - 148	608	1552	14x18	1	NOU 14616.91
SW 96501640	3/4"	20 - 400	15 - 296	838	2332	14x18	1	NOU 16034.24

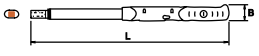
Cheie dinamometrica cu capete interschimbabile 14x18 si afisaj electronic

• angrenajul cu clichet este fabricat din Cr-V pentru rezistenta maxima
• sistem de inregistrare si comunicare a datelor (pentru modele cu cablu de comunicatie articolele 57591 soii 57592)
• pornirea progresiva a LED-urilor si a semnalului acustic la apropierea valorii prestabilite
• manerele ergonomice si antiderapante supradimensionate
• sistem de calibrare web 24h.
• doua moduri de masurare:
- M1: pentru verificarea cuplului de strangere
- M2: pentru Peak (valoarea cuplului maxim) si Track (valoarea cuplului curent)
• ofera optiunea de a stoca pana la 9 valori diferite ale cuplului
unitati de masura: Nm, Lb.ft, Lb.in, Kg.cm.
cutie de transport









EGA Master ART IN INNOVATION EGATORK

57587	14x18	10 -200	7-148 lb.ft	470	38	±2%	±3%	1400	1S	3838.27
57588	14x18	17 - 340	12-251 lb.ft	590	38	±2%	±3%	1600	1S	4094.07
57591*	14x18	10 - 200	7-148 lb.ft	470	38	±1%	±2%	1400	1S	5629.47
57592*	14x18	17 - 340	12-251 lb.ft	590	38	±1%	±2%	1600	1S	5757.52

** : Track mode: Valoare directa a cuplului - Peak mode: Valoarea maxima a cuplului*
** : Cablu pentru calibrare si comunicare de date inclus*

1820 NOU

Maner pentru capete interschimbabile 9x12 mm

• pentru prinderea capetele interschimbabile pentru cheile dinamometrice (fara functie de cuplu)



STAHLWILLE

	L	Antrenare					
18200001	382,5	9x12	490	4B	1	NOU	536.84

1821 NOU

Maner pentru capete interschimbabile 14x18 mm

• pentru prinderea capetele interschimbabile pentru cheile dinamometrice (fara functie de cuplu)



STAHLWILLE

	L	Antrenare					
18210001	575	14x18	720	4B	1	NOU	693.92

1822 NOU

Maner pentru capete interschimbabile 24,5x28 mm

• pentru prinderea capetele interschimbabile pentru cheile dinamometrice (fara functie de cuplu)



STAHLWILLE

	L	Antrenare					
18220003	1000	24,5x28	2057	4B	1	NOU	2476.01

2213/2BI

Dispozitiv de strangere unghiulara ± 360°

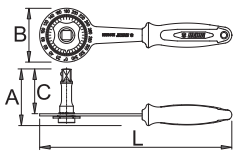
1/2"

- *acesta este folosit pentru suruburile din capul motorului cat si a celorlalte elemente de ansamblare ce necesita a fi stranse la moment, strangerea la unghi este de asemenea posibila.*
- *daca spatiul de manevra este limitat, se poate folosi un prelungitor pentru obtinerea lungimii dorite*
- *scala este de 360°, cu diviziuni de 2°*

Cum sa utilizati scula:

- *opriti scara de unghi cu manerul acesteia penru a evita rotatia in timpul insurubarii, setati indicatorul la zero si apoi strangeti surubul la unghiul prescris cu o alta scula cu antrenare de 1/2"(ex cu un prelungitor cu cardan care este mai lung, tinand cont ca fortele de strangere sunt considerabile)*





UNIOR

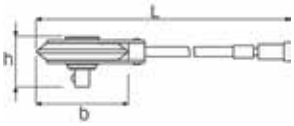
	L	B	A	C				
622815	270	75	80	63	428	4B	1	209.84

7380N

Dispozitiv de strangere unghiulara ± 360°

• pentru strangerea boltului / surubului in unghi controlat, cu punct de citire static
• citire posibila din orice unghi datorita celor doua scale inclinate
• magnet detasabil pentru atasarea prizelor cu unitate patrata interna de 1/2"
• pentru utilizare impreuna cu instrumente de strangere, cum ar fi MANOSKOP® nr. 730N
• deoarece aceasta metoda de strangere necesita aplicarea unui cuplu strans predeterminat, este esential sa alegeti o cheie dinamometrica care sa acopere atat cuplul strans, cat si cuplul maxim necesar pentru a atinge unghiul de strangere recomandat
• daca se foloseste unghiul de cuplu cu actionare patrata de 1/2" sau 3/4" depinde de actionarea patrata a cheii dinamometrice corespunzatoare folosita





STAHLWILLE

	■	b	h	L			
SW 54010001	1/2"	78	43	416	505	1	1246.52
SW 54010002	3/4"	78	76	416	720	1 NOU	1613.70

IST-5W

Adaptor dinamometric digital

• functionare in sensul acelor de ceasornic si invers acelor de ceasornic
• setati mai intai cuplul dorit. Dupa atingerea cuplului dorit, setati unghiul si rotiti cheia in acest unghi pentru a aplica un cuplu suplimentar
• unitati: N.m, in.lb, ft.lb, kg.cm, grad
• modul de lucru : Peck si Mode
• cuplul tinta sau valoarea unghiului pot fi setate, cu alarma sonora si vizuala
- lumina LED verde aprinsa si semnalul sonor cand valoarea cuplului sau a unghiului este de 80% -100% din cuplul sau unghiul tinta
- atat lumina LED verde, cat si cea rosie aprinsa semnalul sonor atunci cand este atinsa valoarea cuplului sau a unghiului
• oprire automata in 2 minute
• capacitate de memorare 50 valori de masurare
• cu protectie la suprasarcina (odata ce cuplul atinge 110% din domeniul maxim)



INSIZE

	N.m	°	■						L		
IST-5W30A	6 - 30	0 -999°	1/4"	±3%	±4%	±2°	0.01	1°	85x60	150	3139.50
IST-5W135A	27 - 135	0 -999°	3/8"	±3%	±4%	±2°	0.01	1°	85x75	220	3297.00
IST-5W200A	40 - 200	0 -999°	1/2"	±3%	±4%	±2°	0.01	1°	85x90	240	3496.50
IST-5W340A	68 - 340	0 -999°	1/2"	±3%	±4%	±2°	0.01	1°	85x80	240	3517.50

HT4 NOU

Multiplicator de cuplu 300-3000 Nm

- *constructia robusta inseamna intretinere minima si viata lunga*
- *raporturile mari permit utilizarea unei chei dinamometrice mici.*
- *livrat in husa de transport cu unitate patrată de schimb.*
- *clichet anti-inchidere (Anti Backlash) montat pentru a permite o operare mai sigura si mai practica*
- *raportor unghiular pentru cuplu usoara si strangere unghiularaa*
- *multiplicare adevărată a cuplului 15,5:1, precizie garantată mai bună de +/-4%.*



							L		
17022	3000	2200	15.5:1	1/2"	1"	-	-	6100	**34876.35**

HT4 NOU

Multiplicator de cuplu 450-4500 Nm

- *constructia robusta inseamna intretinere minima si viata lunga*
- *raporturile mari permit utilizarea unei chei dinamometrice mici.*
- *livrat in husa de transport cu unitate patrată de schimb.*
- *clichet anti-inchidere (Anti Backlash) montat pentru a permite o operare mai sigura si mai practica*
- *raportor unghiular pentru cuplu usoara si strangere unghiularaa*
- *multiplicare adevărată a cuplului 26:1, precizie garantată mai bună de +/-4%.*



							L		
17021	4500	3300	26:1	1/2"	1"	-	-	7000	**38405.59**

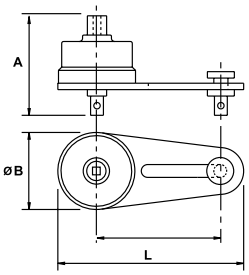
Multiplicatoare de cuplu 1700 - 9500 Nm

- *EGA Master produce o gama larga de dispozitive de strangere controlata, multiplicatoarele de cuplu fiind parte a acestora.*
- *multiplicatoarele EGA Master Torque sunt complementul ideal pentru cheile dinamometrice digitale, care maresc cuplul de intrare in proportie de 4 sau 20, permitand cupluri mari de iesire pentru cereri speciale*
- *precizie ±4%.*

EGATORK





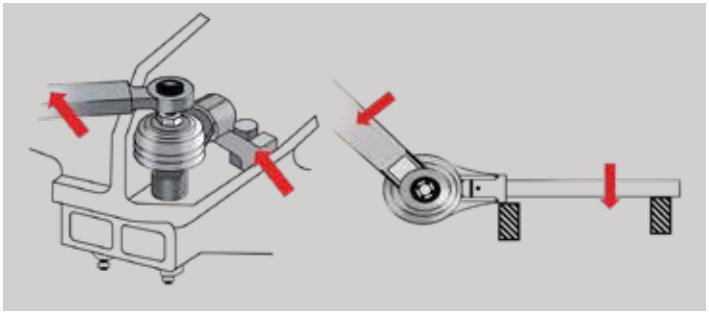


						A	B	C	L		
63850	1700	1250	5:1	1/2"	3/4"	120	120	250	310	4500	**10472.51**
63851	1700	1250	5:1	3/4"	1"	120	120	250	310	5000	**10908.86**
63852	1700	1250	25:1	1/2"	1"	200	120	250	310	7000	**15709.13**
63853	2700	2000	5:1	3/4"	1"	145	140	260	365	8000	**15709.13**
63854	2700	2000	25:1	1/2"	1"	200	140	260	365	12000	**17454.97**
63855	3400	2500	5:1	3/4"	1.1/2"	150	140	260	365	10000	**17454.97**
63856	3400	2500	25:1	1/2"	1.1/2"	205	140	260	365	14000	**26182.39**
63857	6000	4500	5:1	3/4"	1.1/2"	170	185	360	445	16000	**27928.23**
63858	6000	4500	25:1	1/2"	1.1/2"	250	185	360	445	23000	**29673.25**
63859	9500	7000	25:1	3/4"	2.1/2"	290	200	480	505	32000	**34909.87**

Convertor dinamometrie

Unitate convertita	Sistem international S.I.			IMPERIAL			METRIC		
	mN·m	cN·m	N·m	ozf·in	lbf·in	lbf·ft	gf·cm	kgf·cm	kgf·m
1 mNm	1	0.1	0.001	0.142	0.009	0.0007	10.2	0.01	0.0001
1 cNm	10	1	0.01	1.416	0.088	0.007	102	0.102	0.001
1 Nm	1000	100	1	141.6	8.851	0.738	10197	10.2	0.102
1 ozfin	7.062	0.706	0.007	1	0.0625	0.005	72	0.072	0.0007
1 lbf·in	113	11.3	0.113	16	1	0.083	1152.1	1152	0.0115
1 lbf·ft	1356	135.6	1.365	192	12	1	13826	13.83	0.138
1 gf·cm	0.098	0.01	0.0001	0.014	0.0009	0.00007	1	0.001	0.00001
1 kgf·cm	98.07	9.807	0.098	13.89	0.868	0.072	1000	1	0.01
1 kgf·m	9807	980.7	9.807	1389	86.8	7.233	100000	100	1

Utilizarea corecta a multiplicatorului de cuplu



Multiplicatorul de forta, art. 280, este un instrument de precizie care multiplica de cinci ori forta initiala.
Pentu a roti o piulita: selectati un cap de cheie de ¾" (articol 280, 1300Nm) sau 1" (articol 280, 2700 Nm). Este recomandabil, dar nu essential, sa se foloseasca un cap de forta. In timpul utilizarii, corpul instrumentului se roteste in directia opusa impulsului aplicat. Este necesar sa se permita bratului multiplicatorului sa se sprijine pe un corp solid in timpul folosirii.
Se poate utiliza un prelungitor de 9"cu conditia ca momentul de iesire sa nu depaseasca 1000Nm, iar fortele de reactie sa se produca langa capatul barii de reactie.
Pentru art. 280 (1300Nm) se recomanda folosirea unui antrenor cu patrat de ½" sau un cap cheie tubulara de 32 mm; iar pentru art. 280 (2700Nm), un antrenor cu patrat de ¾" sau un cap cheie tubulara de 36 mm. Pentru efectuarea unei strangeri controlate este necesara o cheie dinamometrica. Fixati cuplul de torsiune la o cincime din cel dorit. Nu depasiti impulsul maxim de intrare: 260 Nm (190 lbf. ft) pentru art. 280 (1300Nm) si 540 Nm (400 lbf. ft) pentru art. 280 (2700 Nm).
NU FOLOSITI MULTIPLICATORUL DE FORTA CU CHEI DE IMPACT SAU DE IMPULS!

HT5/25 1"

Multiplicator de cuplu

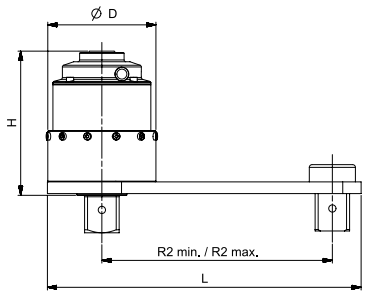
- *contin angrenaje foarte precise.*
- *rata de multiplicare 25:1.*
- *modele robuste, ceea ce inseamna mentenanta minima si durabilitate.*
- *se folosesc in combinatie cu chei dinamometrice, determinarea momentelor acestora din urma facandu-se printr-un simplu calcul matematic - impartirea momentului dorit la factorul de multiplicare – 5 in cazul de fata.*
- *compuse din elemente mecanice precise, testate in timp, cu posibilitate redusa de decalibrare.*
- *modelul 17221 recomandat si pentru strangerea/desfacerea prezoanelor la camioane si autobuze*
- *precizie ±4%.*











							D	H	L		
16028	3400	2500	27:1	1/2"	1"	-	119	127	355	6400	**30051.77**

280

Multiplicator de cuplu

- *5:1 moment de multiplicare, acuratete garantata de +/-4%*
- *livrat cu doua modele de bare de antrenare pentru o maxima polivalenta*
- *constructie robusta necesitand intretinere minima si durata de exploatare lunga*
- *se livreaza intr-o cutie de protectie. Ideala pentru a fi inclusa intr-un kit de lucrari grele.*

Avantaje:

- *definirea exacta a multiplicarii-nu este nevoie de un tabel de conversie*
- *utilizarea simpla nu necesita cunostinte suplimentare*

Utilizare

- *constructii*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *industria aerospatiala*
- *elemente de agregate industriale*
- *rafinarii*

Important

- *Folosirea capetelor de impact UNIOR este recomandata*
- *Nu trebuie sa depasim niciodata momentul de torsiune indicat al multiplicatorului*



						D	A	C	H				
616804	1300	960	5:1	1/2"(32mm)	3/4"	108	126	210	180	7000	1F	1	**9937.38**
616805	2700	2000	5:1	3/4"(36mm)	1"	108	128	210	186	7000	1F	1	**9937.38**

MP3000

Multiplicator de cuplu MULTIPOWER

- *multiplicatorul de cuplu STAHLWILLE MULTIPOWER cu angrenaje planetara elimina oboseala din strangerea sau slabirea conexiunilor rigide sau cu auruburi mari. Nu este necesara un levier lung*
- *STAHLWILLE MULTIPOWER multiplica puterea umana; transferul cuplului constant este usor pe piulite si suruburi. Chiar si cele mai mari cupluri sunt transferate cu usurinta si precizie pe perioade lungi.*
- *in consecinta, materialele din care este realizat si manopera sunt extrem de robuste*
- *cutie de transport*
- *abaterea indicatiei ± 5%*



							B	h	L		
SW 53030800	800	590	4:1	1/2"	3/4"	1:3,5	66	85	215	2000	**8213.41**
SW 53031350	1350	996	4:1	3/4"	3/4"	1:3,6	90	106	265	7000	**11987.22**
SW 53033000	3000	2212	16:1	3/4"	1.1/2"	1:12,5	95	161	330	7000	**29660.72**
SW 53035000	5000	3687	20:1	3/4"	1"	1:17	120	180	400	10400	**44226.44**

735

Cap antrenor clichet reversibil pentru cheie dinamometrica

9x12
14x18

- *reversibil, 60 dinti*
- *unghiul dintilor 6°*



STAHLWILLE

			b	h	S		Antrenare			
SW 58250004	1/4"	42	33	24	17,5	82	9x12	1	NOU	667.60
SW 58250005	3/8"	100	33	24	17,5	150	9x12	1		751.38
SW 58250010	1/2"	100	33	24	17,5	147	9x12	1		781.17
SW 58250020	1/2"	300	43	26	25	302	14x18	1		802.59
SW 58250040	3/4"	400	50	31,5	25	505	14x18	1	NOU	1195.32
SW 58250065	3/4"	650	58	36	30	725	14x18	1	NOU	1357.53

266INS.1

Cap antrenor clichet reversibil pentru cheie dinamometrica

9x12
14x18

- *reversibil, 60 dinti*
- *unghiul dintilor 6°*



UNIOR

					Antrenare		
628099	1/4"	135	1,5 - 30	69	9x12	1	218.69
628100	3/8"	135	6,8 - 135	153	9x12	1	258.69
628101	1/2"	135	6,8 - 135	156	9x12	1	278.69
628102	1/2"	200	10 - 200	310	14x18	1	298.52

734

Cap antrenare pentru cheia dinamometrica MANOSKOP® cu cap de antrenare interschimbabil

9x12

- *pentru utilizare cu cheia dinamometrica Service-MANOSKOP® nr. 730/2 Quick*



STAHLWILLE

			b	h	S		Antrenare			
SW 58240004	1/4 "	40	20	14	17,5	71	9x12	1	NOU	324.49
SW 58240005	3/8 "	80	20	14	17,5	76	9x12	1		324.49
SW 58240010	1/2 "	100	20	14	17,5	72	9x12	1	NOU	332.10
SW 58240020	1/2 "	300	27	18	25	205	14x18	1	NOU	359.40
SW 58240040	3/4 "	650	40	25	25	396	14x18	1	NOU	593.40

725QR

Cap antrenor clichet reversibil cu eliberare rapida pentru cheie dinamometrica

9x12

- *reversibil, cu eliberare rapida si blocare de siguranta*
- *dimensiunea 1/4": 30 dinti*
- *dimensiunea 3/8": 22 dinti*
- *dimensiunea 1/2": 30 dinti*
- *unghiul dintilor 12°*



STAHLWILLE

			b	h	S		Antrenare			
SW 58253004	1/4"	40	22	13,8	17,5	50	9x12	1	NOU	888.03
SW 58253005	3/8"	100	29	18	28	130	9x12	1		905.07
SW 58253010	1/2"	100	29	18	28	141	9x12	1	NOU	964.79

725/4

Cap antrenor clichet reversibil pentru cheie dinamometrica 9x12 mm 1/4"

9x12

- *reversibil, 22 dinti*
- *unghiul dintilor 16,4°*



STAHLWILLE

			b	h	S		Antrenare		
SW 58254004	1/4"	40	22	13,8	17,5	62	9x12	1	687.36

734L/5

NOU

Cap antrenor clichet reversibil pentru cheie dinamometrica

9x12



STAHLWILLE

			b	h	S		Antrenare		
SW 58242005	3/8"	80	20	14	45	141	9x12	1	665.94

734F

NOU

Cap antrenor clichet reversibil pentru cheie dinamometrica

9x12

- *reversibil, 60 dinti*
- *unghiul dintilor 6°*



			b	h	S		Antrenare		
SW 58241004	1/4"	40	22	14	17,5	72	9x12	1	**387.61**
SW 58241005	3/8"	80	22	14	17,5	75	9x12	1	**387.61**

725QR/20

NOU

Cap antrenor clichet reversibil cu eliberare rapida pentru cheie dinamometrica

14x18

- *reversibil, cu eliberare rapida si blocare de siguranta*
- *36 dinti*



			b	h	S		Antrenare		
SW 58253020	1/2"	200	42	22,3	38,5	325	14x18	1	**998.88**

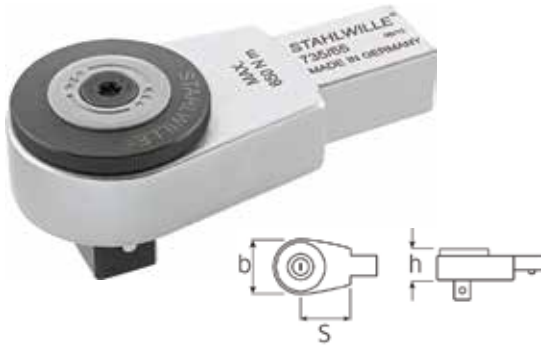
735/65

NOU

Cap antrenor clichet reversibil pentru cheie dinamometrica

22x28

- *reversibil, 60 dinti*
- *unghiul dintilor 6°*



			b	h	S		Antrenare		
SW 58251065	3/4"	650	61	35	55	1115	22x28	1	**1886.90**

735/100

NOU

Cap antrenor clichet reversibil pentru cheie dinamometrica

22x28

- *reversibil, 30 dinti*
- *unghiul dintilor 12°*



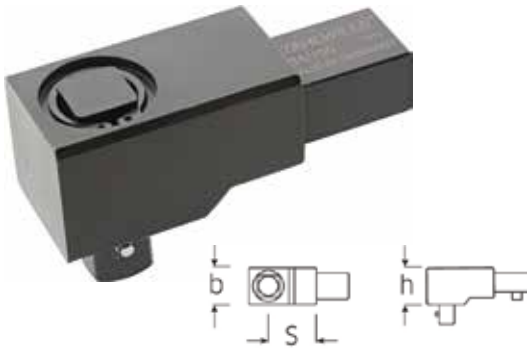
			b	h	S		Antrenare		
SW 58250100	3/4"	1000	76	42	55	1893	22x28	1	**4115.27**

734/100

NOU

Cap antrenor clichet reversibil pentru cheie dinamometrica

24,5x28



			b	h	S		Antrenare		
SW 58240100	3/4"	-	43	42	55	1175	24,5x28	1	**1895.43**

725B

NOU

Cap antrenor clichet reversibil pentru biti pentru chei dinamometrice

9x12

- *reversibil*
- *cu hexagon interior, 1/4" sau 5/16", DIN 3126/ISO 1173 D 6,3 sau D8*
- *pentru montarea directa a bitilor hexagon extern de 1/4" sau 5/16" C 6.3 sau C 8 (dimensiunea 4: 22 de dinți, dimensiunea 5: 30 de dinti)*
- *cu arc de compresie inel*
- *bitii sunt usor de introdus, se blocheaza în siguranta si pot fi scoase din nou cu usurinta; de asemenea hexagonal cu canelura larga (Forma E, DIN 3126/ISO 1173)*



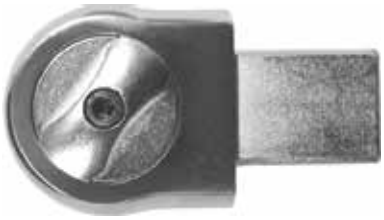
			b	h	S		Antrenare		
SW 58255004	1/4"	-	22	13,6	17,5	54	9x12	1	**674.47**
SW 58255005	5/16"	-	29	17,9	28	117	9x12	1	**913.51**

NOU

Cap antrenor clichet reversibil pentru chei dinamometrice

24x32

• *reversibil*



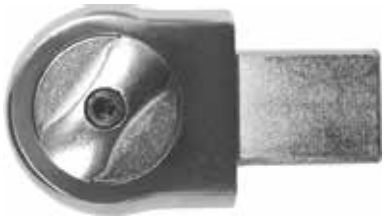
			Nr. dinti		Antrenare		
68240	3/4"	-	45	1050	24x32	1	**2258.85**
68241	1"	-	45	1700	24x32	1	**2710.82**

NOU

Cap antrenor clichet reversibil pentru chei dinamometrice

27x36

• *reversibil*



			Nr. dinti		Antrenare		
56539	1"	-	45	1803	27x36	1	**3177.65**

NOU

Cap antrenor clichet reversibil pentru chei dinamometrice

16

• *reversibil*



			Nr. dinti		Antrenare		
66008	1/4"	-	45	240	16	1	**963.71**
66009	3/8"	-	45	250	16	1	**963.71**
66010	1/2"	-	45	287	16	1	**963.71**

Clichet 1/2" 72 dinti pentru chei dinamometrice 16 mm

16

• *se utilizeaza cu chei dinamometrice cu capete interschimbabile prindere 16 mm*
• *otel aliat forjat*
• *capete de antrenare usor interschimbabile*
• *calibrate pentru un cuplu corect la piulita / surub*
• *nunar de dinti clichet: 72*
• *diametru clichet: 40 mm (1,6")*









			b	h	S		Antrenare		
29825	1/2"	350	-	-	-	-	16	1	**981.29**

NOU

Cap antrenor clichet reversibil pentru chei dinamometrice

22

• *reversibil*



			Nr. dinti		Antrenare		
66260	1"	-	45	1100	22	1	**4597.20**

7370/10

Adaptor cheie dinamometrica cu capete interschimbabile de la 9x12 la 14x18 mm

9x12
14x18

• *pentru utilizarea instrumentelor de inserare cu o actionare patrata exterioara de 14 x 18 mm pe chei dinamometrice cu o actionare patrata interna de 9 x 12 mm*
Prudenta! *Setari modificate ale cheii dinamometrice !*





			b	h	S		Antrenare		
SW 58290010 9x12	-	31	26	30.5	118	14x18	1	**521.53**

7370/40

NOU

Adaptor cheie dinamometrica cu capete interschimbabile de la 14x18 la 9x12 mm

14x18
9x12

• *pentru utilizarea instrumentelor de inserare cu o actionare patrata exterioara de 9 x 12 mm pe chei dinamometrice cu o actionare patrata interna de 14 x 18 mm*
Prudenta! *Setari modificate ale cheii dinamometrice !*





			b	h	S		Antrenare		
SW 58290040 14x18	-	28	21	21,5	117	9x12	1	**835.24**

Adaptor cheie dinamometrica cu capete interschimbabile de la 27x36 mm

27x36
24x32

Prudenta! *Setari modificate ale cheii dinamometrice !*



			L		Antrenare		
59118	24x32		105	1150	27x36	1	**890.69**

NOU

Adaptor cheie dinamometrica cu capete interschimbabile de la 24x32 mm

24x32
14x18
27x36

Prudenta! *Setari modificate ale cheii dinamometrice !*



EGA Master ART IN INNOVATION EGATORK

		L		Antrenare		
59116	14x18	90	500	24x32	1	673.34
59119	27x36	105	1250	24x32	1	1402.96

7370/100

NOU

Adaptor cheie dinamometrica cu capete interschimbabile de la 24,5x28 la 22x28 mm

24,5x28
22x28

- *pentru folosirea sculelor cu antrenare patrata interna de 24,5 x 28 mm la cheile dinamometrice cu antrenare patrata interna de 22 x 28 mm*

Prudenta! *Setari modificate ale cheii dinamometrice !*



STAHLWILLE

		L	b	h	S		Antrenare		
SW 58291100	22x28	85	33	30	100	421	24,5x28	1	1186.80

7370/40-1

NOU

Adaptor cheie dinamometrica cu capete interschimbabile de la 24,5x28 la 14x18 mm

14x18

- *pentru folosirea sculelor cu antrenare patrata interna de 24,5 x 28 mm la cheile dinamometrice cu antrenare patrata interna de 14 x 18 mm*

Prudenta! *Setari modificate ale cheii dinamometrice !*



STAHLWILLE

		L	b	h	S		Antrenare		
SW 58290041	14x18	66	75	20	-	251		1	623.26

266INS.2

Cap cheie reglabila pentru cheie dinamometrica 266

- *material:crome vanadium*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *cu scala*



UNIOR

					Antrenare		
628103	30	135	6,8 - 135	265	9x12	1	525.90
628104	30	200	10 - 200	302	14x18	1	534.10

731/10

Cap cheie fixa interschimbabil pentru cheie dinamometrica 9x12 mm

9x12

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*



STAHLWILLE

			b	h	S		Antrenare		
SW 58211007	7	-	22	5	17.5	40	9x12	1	365.44
SW 58211008	8	-	22	5	17.5	39	9x12	1	331.20
SW 58211009	9	-	26	5.5	17.5	38	9x12	1	356.91
SW 58211010	10	-	26	5	17.5	42	9x12	1	315.89
SW 58211011	11	-	26	5	17.5	41	9x12	1	326.98
SW 58211012*	12	-	30	7	17.5	43	9x12	1	344.92
SW 58211013	13	-	30	7	17.5	43	9x12	1	315.06
SW 58211014	14	-	35	8	17.5	52	9x12	1	315.06
SW 58211015	15	-	35	8	17.5	51	9x12	1	331.20
SW 58211016	16	-	38	8.5	17.5	58	9x12	1	315.06
SW 58211017	17	-	38	8.5	17.5	60	9x12	1	315.06
SW 58211018	18	-	42	9	20	71	9x12	1	319.29
SW 58211019	19	-	42	9	20	74	9x12	1	315.89

** pentru tevi hidraulice la vehiculele franceze*

731a/10

NOU

Cap cheie fixa interschimbabil pentru cheie dinamometrica 9x12 mm

9x12

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*



STAHLWILLE

			b	h	S		Antrenare		
SW 58611016	1/4"	-	22	5	17.5	36	9x12	1	329.54
SW 58611020	5/16"	-	22	5	17.5	53	9x12	1	329.54
SW 58611024	3/8"	-	26	5,5	17.5	38	9x12	1	329.54
SW 58611028	7/16"	-	26	5,5	17.5	37	9x12	1	329.54
SW 58611032	1/2"	-	30	7	17.5	44	9x12	1	329.54
SW 58611034	9/16"	-	35	8	17.5	49	9x12	1	329.54
SW 58611036	5/8"	-	38	8,5	17.5	64	9x12	1	329.54
SW 58611038	11/16"	-	42	9	20	76	9x12	1	329.54
SW 58611040	3/4"	-	42	9	20	73	9x12	1	329.54

731/40

Cap cheie fixa interschimbabil pentru cheie dinamometrica 14x18 mm

14x18

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*



STAHLWILLE

			b	h	S		Antrenare		
SW 58214013	13	-	30	7	25	128	14x18	1	358.57
SW 58214014	14	-	35	8	25	129	14x18	1	367.17
SW 58214015	15	-	35	8	25	132	14x18	1	396.96
SW 58214016	16	-	38	9	25	140	14x18	1	363.70
SW 58214017	17	-	38	9	25	130	14x18	1	358.57
SW 58214018	18	-	42	10	25	147	14x18	1	365.44
SW 58214019	19	-	42	10	25	140	14x18	1	358.57
SW 58214021	21	-	50	11	25	171	14x18	1	435.42
SW 58214022	22	-	50	11	25	165	14x18	1	435.42
SW 58214024	24	-	53	12	25	167	14x18	1	425.16
SW 58214025	25	-	53	12	25	170	14x18	1	478.10
SW 58214027	27	-	60	13	30	219	14x18	1	425.16
SW 58214030	30	-	66	14	30	275	14x18	1	486.62
SW 58214032	32	-	66	14	32.5	246	14x18	1	486.62
SW 58214034	34	-	66	14	32.5	239	14x18	1	537.97
SW 58214036	36	-	74	15	32.5	275	14x18	1	533.68
SW 58214038	38	-	74	15	32.5	265	14x18	1	554.94
SW 58214041	41	-	82	15	36.5	307	14x18	1	537.97

731a/40

NOU

Cap cheie fixa interschimbabil pentru cheie dinamometrica 14x18 mm

14x18

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*



STAHLWILLE

			b	h	S		Antrenare		
SW 58614028	7/16"	-	30	7	25	127	14x18	1	388.44
SW 58614032	1/2"	-	30	7	25	125	14x18	1	388.44
SW 58614034	9/16"	-	35	8	25	129	14x18	1	388.44
SW 58614036	5/8"	-	38	9	25	136	14x18	1	388.44
SW 58614038	11/16"	-	42	10	25	148	14x18	1	388.44
SW 58614040	3/4"	-	42	10	25	144	14x18	1	388.44
SW 58614042	13/16"	-	50	11	25	171	14x18	1	456.76
SW 58614044	7/8"	-	50	11	25	165	14x18	1	456.76
SW 58614046	15/16"	-	53	12	25	177	14x18	1	456.76
SW 58614048	1"	-	60	13	30	224	14x18	1	456.76
SW 58614052	1.1/8"	-	66	14	30	258	14x18	1	456.76

731/100

Cap cheie fixa interschimbabil pentru cheie dinamometrica 22x28 mm

22x28

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*



STAHLWILLE

			b	h	S		Antrenare		
SW 58211024	24	-	50	13	55	618	22x28	1	532.47
SW 58211027	27	-	56	14	55	640	22x28	1	571.76
SW 58211030	30	-	63	15	55	690	22x28	1	593.63
SW 58211032	32	-	67	15	55	705	22x28	1	624.09
SW 58211034	34	-	72	15	55	731	22x28	1	654.63
SW 58211036	36	-	74	15	55	713	22x28	1	693.92
SW 58211041	41	-	84	16	55	894	22x28	1	1099.85
SW 58211046	46	-	94	17	55	934	22x28	1	1143.51
SW 58211050	50	-	104	18	55	1073	22x28	1	1161.01
SW 58211055	55	-	114	19	55	1172	22x28	1	1195.85
SW 58211060	60	-	124	20	55	1241	22x28	1	1222.09

732/10

Cap cheie inelara interschimbabil pentru cheie dinamometrice 9x12 mm

9x12

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*



STAHLWILLE

			b	h	S		Antrenare		
SW 58221007	7	-	13	8	17.5	37	9x12	1	341.53
SW 58221008	8	-	14.2	8	17.5	40	9x12	1	333.01
SW 58221010	10	-	17.2	9	17.5	44	9x12	1	333.76
SW 58221011	11	-	18.5	9	17.5	41	9x12	1	341.53
SW 58221012	12	-	20.5	11	17.5	49	9x12	1	341.53
SW 58221013	13	-	21.5	11	17.5	55	9x12	1	333.76
SW 58221014	14	-	22.5	11	17.5	52	9x12	1	341.53
SW 58221015	15	-	24.5	12	17.5	52	9x12	1	333.01
SW 58221016	16	-	26	12	17.5	54	9x12	1	333.76
SW 58221017	17	-	27	13	17.5	59	9x12	1	333.76
SW 58221018	18	-	28	13	17.5	56	9x12	1	333.76
SW 58221019	19	-	30.5	13	17.5	65	9x12	1	333.76
SW 58221021	21	-	33	15	17.5	71	9x12	1	349.22
SW 58221022	22	-	34.5	15	17.5	74	9x12	1	333.76

732a/10

Cap cheie inelara interschimbabil pentru cheie dinamometrice 9x12 mm

9x12

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*





			b	h	S		Antrenare		
SW 58621016	1/4"	-	13	8	17.5	36	9x12	1	**339.80**
SW 58621020	5/16"	-	14.2	8	17.5	37	9x12	1	**339.80**
SW 58621024*	3/8"	-	17.2	9	17.5	37	9x12	1	**339.80**
SW 58621028	7/16"	-	18.5	9	17.5	40	9x12	1	**339.80**
SW 58621032	1/2"	-	21.5	11	17.5	53	9x12	1	**339.80**
SW 58621034	9/16"	-	22.5	11	17.5	52	9x12	1	**339.80**
SW 58621036	5/8"	-	26	12	17.5	54	9x12	1	**339.80**
SW 58621038	11/16"	-	28	13	17.5	58	9x12	1	**339.80**
SW 58621040	3/4"	-	30.5	13	17.5	58	9x12	1	**339.80**
SW 58621042	13/16"	-	33	15	17.5	68	9x12	1	**356.91**
SW 58621044	7/8"	-	34.5	15	17.5	69	9x12	1	**356.91**

** pentru motoarele aeriene Volvo. Tipuri „JAS"*

732/40

Cap cheie inelara interschimbabil pentru cheie dinamometrice 14x18 mm

14x18

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*





			b	h	S		Antrenare		
SW 58224013	13	-	22.5	11	25	130	14x18	1	**359.40**
SW 58224014	14	-	23	11	25	123	14x18	1	**359.40**
SW 58224015	15	-	24	11	25	128	14x18	1	**367.17**
SW 58224016	16	-	25.5	12	25	133	14x18	1	**359.40**
SW 58224017	17	-	27	12	25	135	14x18	1	**359.40**
SW 58224018	18	-	29	13	25	134	14x18	1	**359.40**
SW 58224019	19	-	30.5	13	25	145	14x18	1	**359.40**
SW 58224021	21	-	33	15	25	144	14x18	1	**431.12**
SW 58224022	22	-	34.5	15	25	145	14x18	1	**431.12**
SW 58224024	24	-	37.5	15	25	153	14x18	1	**431.12**
SW 58224027	27	-	42.5	17	25	162	14x18	1	**431.12**
SW 58224028	28	-	45.5	19	25	175	14x18	1	**520.86**
SW 58224030	30	-	46	19	25	182	14x18	1	**486.62**
SW 58224032	32	-	47.5	19	25	181	14x18	1	**486.62**
SW 58224034	34	-	52	19	28	210	14x18	1	**533.68**
SW 58224036	36	-	54	19	28	203	14x18	1	**533.68**
SW 58224041	41	-	60	20	30	240	14x18	1	**533.68**

732a/40

Cap cheie inelara interschimbabil pentru cheie dinamometrica 14x18 mm

14x18

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*





			b	h	S		Antrenare		
SW 58624032	1/2"	-	22.5	11	25	122	14x18	1	**413.17**
SW 58624034	9/16"	-	23	11	25	122	14x18	1	**396.13**
SW 58624036	5/8"	-	25.5	12	25	134	14x18	1	**396.13**
SW 58624038	11/16"	-	29	13	25	132	14x18	1	**396.13**
SW 58624040	3/4"	-	30.5	13	25	138	14x18	1	**396.13**
SW 58624042	13/13"	-	33	15	25	142	14x18	1	**469.58**
SW 58624044	7/8"	-	34.5	15	25	147	14x18	1	**469.58**
SW 58624046	15/16"	-	37.5	15	25	151	14x18	1	**469.58**
SW 58624048	1"	-	41	17	25	160	14x18	1	**469.58**

732/100

Cap cheie inelara interschimbabil pentru cheie dinamometrica 22x28 mm

22x28

- *pentru chei dinamometrice cu suport dreptunghiular*
- *fixare prin blocare pin*
- *placare cromata peste nichel, permanenta si fara descuamare*
- *forjat, calire si revenire totala*
- *extrem de rezistent, extrem de durabil*





			b	h	S		Antrenare		
SW 58221024	24	-	43	15	55	616	22x28	1	**532.47**
SW 58221027	27	-	43	15	55	609	22x28	1	**571.76**
SW 58221030	30	-	46	16	55	617	22x28	1	**593.63**
SW 58221032	32	-	49	16	55	611	22x28	1	**624.09**
SW 58221034	34	-	52	17	55	627	22x28	1	**654.63**
SW 58221036	36	-	54	17	55	620	22x28	1	**693.92**
SW 58221041	41	-	61	18	55	630	22x28	1	**1099.85**
SW 58221046	46	-	66	19	55	628	22x28	1	**1143.51**
SW 58221050	50	-	75	20	55	701	22x28	1	**1161.01**
SW 58221055	55	-	84	21	55	776	22x28	1	**1195.85**
SW 58221060	60	-	93	22	55	867	22x28	1	**1222.09**

266INS.3

Cap cheie inelara decupata interschimbabil pentru cheie dinamometrica 9x12 mm

9x12
14x18

- pentru chei dinamometrice cu suport dreptunghiular
- fixare prin blocare pin
- placare cromata peste nichel, permanenta si fara descuamare
- forjat, calire si revenire totala
- extrem de rezistent, extrem de durabil



UNIOR

			b	h	S		Antrenare		
628105	10	-	-	-	-	53	9x12	1	170.66
628106	11	-	-	-	-	55	9x12	1	170.66
628107	12	-	-	-	-	55	9x12	1	170.66
628108	13	-	-	-	-	55	9x12	1	170.66
628109	14	-	-	-	-	59	9x12	1	170.66
628110	16	-	-	-	-	61	9x12	1	170.66
628111	17	-	-	-	-	63	9x12	1	179.84
628112	18	-	-	-	-	69	9x12	1	179.84
628113	19	-	-	-	-	71	9x12	1	179.84
628114	21	-	-	-	-	74	9x12	1	179.84
628115	22	-	-	-	-	76	9x12	1	179.84
628116	24	-	-	-	-	139	14x18	1	307.38

733/10

Cap cheie inelara interschimbabil pentru cheie dinamometrica 9x12 mm

9x12

- pentru chei dinamometrice cu suport dreptunghiular
- fixare prin blocare pin
- placare cromata peste nichel, permanenta si fara descuamare
- forjat, calire si revenire totala
- extrem de rezistent, extrem de durabil



STAHLWILLE

		W	b	h	S		Antrenare		
SW 58231010	10	7.1	21.5	11	17.5	57	9x12	1	361.97
SW 58231011	11	8.6	22.5	11	17.5	55	9x12	1	361.97
SW 58231012	12	9	24.5	12	17.5	59	9x12	1	361.97
SW 58231013	13	10	26	12	17.5	55	9x12	1	361.97
SW 58231014	14	11	27	13	17.5	60	9x12	1	361.97
SW 58231016	16	13	30.5	13	17.5	65	9x12	1	373.13
SW 58231017	17	14	31.5	13	17.5	64	9x12	1	361.97
SW 58231018	18	14.8	33	15	17.5	74	9x12	1	380.82
SW 58231019	19	15.8	34	15	17.5	70	9x12	1	361.97
SW 58231021	21	16.2	38.5	15	20	88	9x12	1	391.00
SW 58231022	22	17	39.5	15	20	92	9x12	1	361.97
SW 58231024	24	18	40	15	20	75	9x12	1	361.97

733a/10

NOU

Cap cheie inelara interschimbabil pentru cheie dinamometrica 9x12 mm

9x12

- pentru chei dinamometrice cu suport dreptunghiular
- fixare prin blocare pin
- placare cromata peste nichel, permanenta si fara descuamare
- forjat, calire si revenire totala
- extrem de rezistent, extrem de durabil



STAHLWILLE

		W	b	h	S		Antrenare		
SW 58631024	3/8"	7.1	21.5	11	17.5	55	9x12	1	380.82
SW 58631028	7/16"	8.6	22.5	11	17.5	56	9x12	1	380.82
SW 58631032	1/2"	9.5	26	12	17.5	58	9x12	1	380.82
SW 58631034	9/16"	11	27.5	13	17.5	59	9x12	1	380.82
SW 58631036	5/8"	12.7	30.5	13	17.5	61	9x12	1	380.82
SW 58631038	11/16"	14	33	15	17.5	48	9x12	1	391.00
SW 58631040	3/4"	15.8	34	15	17.5	76	9x12	1	391.00

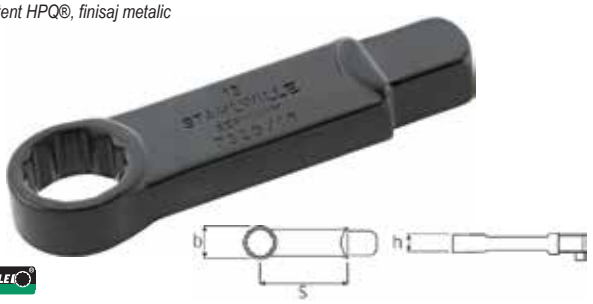
732G/10

NOU

Cap cheie inelara interschimbabil pentru cheie dinamometrica 9x12 mm

9x12

- otel rezistent HPQ®, finisaj metalic



STAHLWILLE

		b	h	S		Antrenare		
SW 58620007	7	11.5	6	45	31	9x12	1	320.27
SW 58620008	8	12.4	6	45	33	9x12	1	358.57
SW 58620009	9	14	8	45	44	9x12	1	358.57
SW 58620010	10	15.6	8	45	45	9x12	1	358.57
SW 58620013	13	19.3	9.2	45	60	9x12	1	370.94

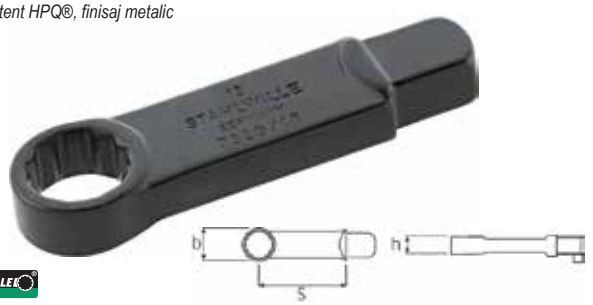
732aG/10

NOU

Cap cheie inelara interschimbabil pentru cheie dinamometrica 9x12 mm

9x12

- otel rezistent HPQ®, finisaj metalic



STAHLWILLE

		b	h	S		Antrenare		
SW 58621216	1/4"	10.4	6	45	28	9x12	1	451.18
SW 58621220	5/16"	12.4	6	45	31	9x12	1	402.91
SW 58621224	3/8"	14.9	8	45	42	9x12	1	402.91
SW 58621228	7/16"	17	8	45	43	9x12	1	466.56
SW 58621232	1/2"	19	9.2	45	58	9x12	1	466.56
SW 58621234	9/16"	21	9.2	45	58	9x12	1	423.58
SW 58621236	5/8"	23	12	45	74	9x12	1	466.56

Cap cheie fixa pentru chei dinamometrice 16 mm - metric

- *se utilizeaza cu chei dinamometrice cu capete interschimbabile prindere 16 mm*
- *otel aliat forjat*
- *capete de antrenare usor interschimbabile*
- *calibrate pentru un cuplu corect la piulita / surub*



29841	7,0	9	-	-	-	-	16	1	776.74
29842	8,0	13	-	-	-	-	16	1	776.74
29843	9,0	19	-	-	-	-	16	1	776.74
29844	10,0	25	-	-	-	-	16	1	776.74
29845	11,0	32	-	-	-	-	16	1	776.74
29846	12,0	41	-	-	-	-	16	1	776.74
29847	13,0	51	-	-	-	-	16	1	776.74
29848	14,0	63	-	-	-	-	16	1	776.74
29849	15,0	77	-	-	-	-	16	1	776.74
29850	16,0	92	-	-	-	-	16	1	776.74
29851	17,0	107	-	-	-	-	16	1	776.74
29876	18,0	128	-	-	-	-	16	1	693.47
29877	19,0	149	-	-	-	-	16	1	776.74
29852	20,0	172	-	-	-	-	16	1	776.74
29853	21,0	198	-	-	-	-	16	1	804.71
29854	22,0	225	-	-	-	-	16	1	804.71
29855	23,0	255	-	-	-	-	16	1	1018.44
29856	24,0	287	-	-	-	-	16	1	804.71
29857	25,0	322	-	-	-	-	16	1	1018.44
29858	26,0	330	-	-	-	-	16	1	1057.32
29878	27,0	330	-	-	-	-	16	1	901.15
29860	29,0	330	-	-	-	-	16	1	979.13
29861	30,0	330	-	-	-	-	16	1	901.15
29863	32,0	330	-	-	-	-	16	1	901.15
297100	36,0	330	-	-	-	-	16	1	1344.28

Cap cheie fixa pentru chei dinamometrice 16 mm - inch

- *se utilizeaza cu chei dinamometrice cu capete interschimbabile prindere 16 mm*
- *otel aliat forjat*
- *capete de antrenare usor interschimbabile*
- *calibrate pentru un cuplu corect la piulita / surub*



29701	1/4"	7	-	-	-	-	16	1	998.57
29702	5/16"	13	-	-	-	-	16	1	998.57
29703	3/8"	21	-	-	-	-	16	1	998.57
29704	7/16"	32	-	-	-	-	16	1	998.57
29705	1/2"	48	-	-	-	-	16	1	998.57
29706	9/16"	67	-	-	-	-	16	1	998.57
29707	5/8"	90	-	-	-	-	16	1	998.57
29708	11/16"	118	-	-	-	-	16	1	998.57
29709	3/4"	150	-	-	-	-	16	1	998.57
29710	13/16"	187	-	-	-	-	16	1	998.57
29711	7/8"	230	-	-	-	-	16	1	1165.75
29712	15/16"	281	-	-	-	-	16	1	1165.75
29713	1"	330	-	-	-	-	16	1	1165.75
29714	1.1/16"	330	-	-	-	-	16	1	1165.75
29715	1.1/8"	330	-	-	-	-	16	1	1165.75
29716	1.3/16"	330	-	-	-	-	16	1	1165.75
29717	1.1/4"	330	-	-	-	-	16	1	1165.75
29718	1.5/16"	330	-	-	-	-	16	1	1165.75

Cap cheie inelara pentru chei dinamometrice 16 mm - metric

- *se utilizeaza cu chei dinamometrice cu capete interschimbabile prindere 16 mm*
- *otel aliat forjat*
- *capete de antrenare usor interschimbabile*
- *calibrate pentru un cuplu corect la piulita / surub*



29881	7,0	25	-	-	-	-	16	1	845.10
29882	8,0	35	-	-	-	-	16	1	823.07
29883	9,0	45	-	-	-	-	16	1	823.07
29884	10,0	52	-	-	-	-	16	1	823.07
29885	11,0	73	-	-	-	-	16	1	845.10
29886	12,0	89	-	-	-	-	16	1	823.07
29887	13,0	107	-	-	-	-	16	1	823.07
29888	14,0	128	-	-	-	-	16	1	823.07
29889	15,0	150	-	-	-	-	16	1	823.07
29890	16,0	175	-	-	-	-	16	1	823.07
29891	17,0	201	-	-	-	-	16	1	823.07
29913	18,0	230	-	-	-	-	16	1	823.07
29914	19,0	261	-	-	-	-	16	1	823.07
29892	20,0	294	-	-	-	-	16	1	823.07
29893	21,0	330	-	-	-	-	16	1	854.06
29894	22,0	330	-	-	-	-	16	1	854.06
29895	23,0	330	-	-	-	-	16	1	1002.56
29896	24,0	330	-	-	-	-	16	1	854.06
29915	27,0	330	-	-	-	-	16	1	854.06



Cap cheie inelara pentru chei dinamometrice 16 mm - inch

- *se utilizeaza cu chei dinamometrice cu capete interschimbabile prindere 16 mm*
- *otel aliat forjat*
- *capete de antrenare usor interschimbabile*
- *calibrate pentru un cuplu corect la piulita / surub*



	○		b	h	S		Antrenare		
29726	1/4"	25	-	-	-	-	16	1	998.57
29727	5/16"	35	-	-	-	-	16	1	998.57
29728	3/8"	42	-	-	-	-	16	1	998.57
29729	7/16"	73	-	-	-	-	16	1	998.57
29730	1/2"	115	-	-	-	-	16	1	998.57
29731	9/16"	170	-	-	-	-	16	1	998.57
29732	5/8"	226	-	-	-	-	16	1	998.57
29733	11/16"	260	-	-	-	-	16	1	998.57
29734	3/4"	305	-	-	-	-	16	1	998.57
29735	13/16"	330	-	-	-	-	16	1	998.57
29736	7/8"	330	-	-	-	-	16	1	998.57
29737	15/16"	330	-	-	-	-	16	1	998.57
29738	1"	330	-	-	-	-	16	1	1109.27
29739	1.1/16"	330	-	-	-	-	16	1	1109.27

Cap cheie inelara decupata pentru chei dinamometrice 16 mm - metric

- *se utilizeaza cu chei dinamometrice cu capete interschimbabile prindere 16 mm*
- *otel aliat forjat*
- *capete de antrenare usor interschimbabile*
- *calibrate pentru un cuplu corect la piulita / surub*



	○		b	h	S		Antrenare		
29921	7,0	7	-	-	-	-	16	1	908.93
29922	8,0	6	-	-	-	-	16	1	908.93
29923	9,0	5	-	-	-	-	16	1	908.93
29924	10,0	26	-	-	-	-	16	1	884.84
29925	11,0	19	-	-	-	-	16	1	908.93
29926	12,0	13	-	-	-	-	16	1	908.93
29927	13,0	34	-	-	-	-	16	1	884.84
29928	14,0	24	-	-	-	-	16	1	884.84
29929	15,0	18	-	-	-	-	16	1	908.93
29930	16,0	66	-	-	-	-	16	1	908.93
29931	17,0	56	-	-	-	-	16	1	884.84
29953	18,0	45	-	-	-	-	16	1	884.84
29954	19,0	80	-	-	-	-	16	1	884.84
29932	20,0	60	-	-	-	-	16	1	908.93
29933	21,0	43	-	-	-	-	16	1	1148.04
29934	22,0	172	-	-	-	-	16	1	1118.02
29935	23,0	153	-	-	-	-	16	1	1148.04
29936	24,0	118	-	-	-	-	16	1	1118.02
29955	27,0	76	-	-	-	-	16	1	998.57

Cap cheie fixa pentru chei dinamometrice 22 mm - metric

- *se utilizeaza cu chei dinamometrice cu capete interschimbabile prindere 16 mm*
- *otel aliat forjat*
- *capete de antrenare usor interschimbabile*
- *calibrate pentru un cuplu corect la piulita / surub*



	○		b	h	S		Antrenare		
29963.22	22,0	225	-	-	-	-	22	1	1386.89
29963.24	24,0	287	-	-	-	-	22	1	1381.97
29963.27	27,0	399	-	-	-	-	22	1	1386.89
29963.30	30,0	536	-	-	-	-	22	1	1386.89
29963.32	32,0	550	-	-	-	-	22	1	1521.83
29963.36	36,0	550	-	-	-	-	22	1	1521.83
29963.41	41,0	550	-	-	-	-	22	1	1529.50
29963.46	46,0	550	-	-	-	-	22	1	1529.50

Cap cheie inelara pentru chei dinamometrice 22 mm - metric

- *se utilizeaza cu chei dinamometrice cu capete interschimbabile prindere 16 mm*
- *otel aliat forjat*
- *capete de antrenare usor interschimbabile*
- *calibrate pentru un cuplu corect la piulita / surub*



	○		b	h	S		Antrenare		
29960.22	22,0	225	-	-	-	-	22	1	1359.29
29960.24	24,0	287	-	-	-	-	22	1	1359.29
29960.27	27,0	399	-	-	-	-	22	1	1359.29
29960.30	30,0	536	-	-	-	-	22	1	1359.29
29960.32	32,0	550	-	-	-	-	22	1	1483.92
29960.36	36,0	550	-	-	-	-	22	1	1483.92
29960.41	41,0	550	-	-	-	-	22	1	1706.40
29960.46	46,0	550	-	-	-	-	22	1	1706.40

Ghid de utilizare a hexagoanelor metric

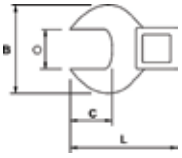
Clasa	8.8		10.9		12.9		Dimnsiune cap tubular
Dimensiune normala si pasul filetului	Moment Nm						
	Uscat	Umed	Uscat	Umed	Uscat	Umed	
M5 x 0.80	6.1	4.6	8.8	6.7	10.3	7.7	8 - 9
M6 x 1.00	10.4	7.8	15	11.2	17.6	13.1	10
M7 x 1.00	17.6	13.1	25.1	18.9	29.4	22	10 - 12
M8 x 1.25	25.4	19.1	37.6	27.3	42.6	32.1	13 - 14
M10 x 1.50	50	38	72	54	84	64	15 - 16 - 17
M12 x 1.75	88	6	126	94	146	110	18 - 19 - 20
M14 x 2.00	141	106	201	150	235	176	21 - 22 - 23
M16 x 2.00	218	164	312	233	365	274	24 - 25 - 26
M18 x 2.50	301	226	431	323	504	378	27 - 28
M20 x 2.50	426	319	609	457	712	534	30
M22 x 2.50	580	435	831	624	971	728	32 - 34
M24 x 3.00	736	552	1052	789	1231	923	36
M27 x 3.00	1079	809	1544	1158	1805	1353	41
M30 x 3.50	1463	1097	2092	1570	2446	1834	46
M33 x 3.50	1990	1493	2849	2137	3328	2497	50
M36 x 4.00	2557	1918	3659	2744	4276	3208	55

NOU

Cap cheie fixa CROW-FOOT

1/4"





EGA Master ART IN INNOVATION

	O	L	A	B	C		Antrenare		
57211	7	30	6	25	6	70	1/4"		221.52
57212	8	31	6	26	7	70	1/4"		232.15
57213	9	33	6	28	8	75	1/4"		242.64
57214	10	35	6	30	9	75	1/4"		253.12
57215	11	36	7	31	11	90	1/4"		263.68
57216	12	38	7	34	12	95	1/4"		274.32
57217	13	39	7	35	13	95	1/4"		284.88

540

NOU

Cap cheie fixa CROW-FOOT

3/8"





STAHLWILLE

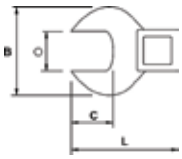
	O	L	b	a	S		Antrenare		
SW 1200008	8	25,5		6,3	14,6	19	3/8"	1	314.23
SW 1200009	9	25,5		6,3	14,6	21	3/8"	1	314.23
SW 1200010	10	25,5		6,3	14,6	20	3/8"	1	314.23
SW 2200011	11	32		6,3	17,4	36	3/8"	1	331.80
SW 2200012	12	34,3		6,3	18,2	37	3/8"	1	307.30
SW 2200013	13	34,3		6,3	17,8	36	3/8"	1	300.58
SW 2200014	14	37,7		6,3	20,8	46	3/8"	1	286.33
SW 2200015	15	37,7		6,3	20,4	45	3/8"	1	365.74
SW 2200016	16	37,7		6,3	19,9	45	3/8"	1	371.85
SW 2200017	17	42,5		6,3	23,8	62	3/8"	1	337.31
SW 2200018	18	42,5		6,3	22,9	61	3/8"	1	396.13
SW 2200019	19	42,5		6,3	22,4	64	3/8"	1	337.31
SW 2200020	20	42,4		6,3	25	55	3/8"	1	467.01
SW 2200021	21	44,5		6,3	23,6	59	3/8"	1	456.76
SW 2200022	22	44,5		6,3	24,2	64	3/8"	1	456.76
SW 2200023	23	44,5		6,3	25,8	64	3/8"	1	506.38
SW 2200024	24	44,4		6,3	26,3	60	3/8"	1	469.58
SW 2200025	25	47		8	26,4	75	3/8"	1	506.38
SW 2200026	26	47		8	27,6	80	3/8"	1	480.06
SW 2200027	27	47		8	27,6	76	3/8"	1	461.06
SW 2200028	28	50		8	29,2	78	3/8"	1	515.05
SW 2200030	30	50		8	29,3	84	3/8"	1	461.06
SW 2200032	32	53		8	30,5	95	3/8"	1	461.06
SW 2200034	34	54,5		8	31,6	107	3/8"	1	519.42
SW 2200036	36	56,5		8	32,8	100	3/8"	1	576.36
SW 2200040	40	63		8	37,6	130	3/8"	1	704.48
SW 2200041	41	63		8	37,2	130	3/8"	1	828.15
SW 2200042	42	63		8	37,7	125	3/8"	1	828.15
SW 2200046	46	72		8	43,1	191	3/8"	1	973.31
SW 2200050	50	75		8	45,4	217	3/8"	1	973.31

NOU

Cap cheie fixa CROW-FOOT

1/4"





EGA Master ART IN INNOVATION

	O	L	A	B	C		Antrenare		
57218	5/16"	31	6	26	7	70	1/4"		221.52
57219	3/8"	33	6	28	8	75	1/4"		242.64
57220	7/16"	35	6	30	9	75	1/4"		253.12
57221	1/2"	38	7	34	12	92	1/4"		263.68
57222	9/16"	39	7	36	14	100	1/4"		284.88

540a

NOU

Cap cheie fixa CROW-FOOT

3/8"





STAHLWILLE

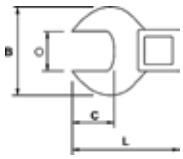
	O	L	b	a	S		Antrenare		
SW 1500024	3/8"	25,5	19,8	6,3	14,6	17	3/8"		310.76
SW 2500028	7/16"	32	22,2	6,3	17,2	34	3/8"		327.43
SW 2500032	1/2"	34,3	25,4	6,3	18,1	37	3/8"		312.50
SW 2500034	9/16"	37,7	30	6,3	20,9	40	3/8"		312.50
SW 2500036	5/8"	37,7	30	6,3	20,4	44	3/8"		373.13
SW 2500038	11/16"	42,5	38	6,3	24,1	62	3/8"		373.13
SW 2500040	3/4"	42,5	38	6,3	24	66	3/8"		373.13
SW 2500042	13/16"	42,3	38	6,3	24	59	3/8"		405.55
SW 2500044	7/8"	44,5	41	6,3	25,8	65	3/8"		469.58
SW 2500048	1"	47	45	8	26,7	78	3/8"		469.58
SW 2500050	11/16"	47	45	8	27,2	78	3/8"		469.58
SW 2500052	11/8"	50	50	8	28,5	84	3/8"		456.76
SW 2500054	13/16"	50	50	8	29,2	83	3/8"		480.06
SW 2500056	11/4"	53	57	8	30,3	101	3/8"		469.58
SW 2500058	15/16"	53	57	8	31,2	101	3/8"		493.10
SW 2500060	13/8"	54,5	60	8	32,3	105	3/8"		480.06
SW 2500062	17/16"	56,5	62	8	33,1	107	3/8"		602.30
SW 2500064	11/2"	58	65	8	34,5	118	3/8"		589.10
SW 2500065	19/16"	59,5	68	8	35,7	126	3/8"		619.72
SW 2500066	15/8"	63	70	8	37,3	140	3/8"		785.47
SW 2500067	111/16"	63	70	8	37,7	126	3/8"		855.45
SW 2500068	13/4"	68	76	8	40,4	161	3/8"		890.29
SW 2500070	17/8"	72	82	8	42	205	3/8"		925.28
SW 2500072	2"	75	88	8	44,8	214	3/8"		951.52
SW 2500074	21/8"	75,6	91	10	46	265	3/8"		1239.51
SW 2500076	21/4"	80,5	96	10	49,5	297	3/8"		1238.00
SW 3500078	23/8"	81,5	96	8	51,3	214	3/8"		1335.58

NOU

Cap cheie fixa CROW-FOOT

1/2"





EGA Master
ART IN INNOVATION

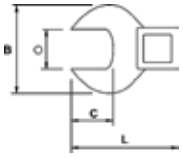
	O	L	A	B	C		Antrenare		
57224	20	50	12	42	19	150	1/2"		**465.13**
57225	21	50	12	42	19	150	1/2"		**485.35**
57226	22	55	12	43	20	150	1/2"		**505.65**
57227	23	55	12	45	21	160	1/2"		**525.73**
57228	24	55	12	46	22	160	1/2"		**545.96**
57229	25	60	12	47	23	160	1/2"		**566.18**
57230	26	60	12	49	24	185	1/2"		**586.48**
57231	27	60	12	50	25	190	1/2"		**606.71**
57232	28	65	12	50	26	200	1/2"		**626.71**
57233	29	65	12	55	27	200	1/2"		**647.01**
57234	30	70	12	60	28	210	1/2"		**667.39**
57235	31	70	12	60	29	220	1/2"		**687.61**
57236	32	70	14	60	30	230	1/2"		**707.84**
57237	33	70	14	65	31	250	1/2"		**727.92**
57238	34	75	14	65	32	260	1/2"		**768.44**
57239	35	75	14	70	33	260	1/2"		**809.04**
57240	36	75	14	70	34	270	1/2"		**859.46**
57241	37	80	14	70	35	270	1/2"		**910.10**
57242	38	80	14	75	36	280	1/2"		**960.59**
57243	39	80	14	75	37	290	1/2"		**1011.16**
57244	40	85	14	80	38	300	1/2"		**1061.65**
57245	41	85	14	80	39	320	1/2"		**1112.14**
57246	42	85	14	80	40	320	1/2"		**1162.85**
57247	43	90	14	85	41	330	1/2"		**1263.91**
57248	44	90	14	85	42	340	1/2"		**1365.04**
57249	45	90	14	85	43	360	1/2"		**1415.53**
57250	46	95	15	90	44	380	1/2"		**1466.09**

NOU

Cap cheie fixa CROW-FOOT

1/2"





EGA Master
ART IN INNOVATION

	O	L	A	B	C		Antrenare		
57251	15/16	55	12	45	21	160	1/2"		**485.35**
57252	1	60	12	47	23	160	1/2"		**566.18**
57253	1.1/16	60	12	50	25	190	1/2"		**626.71**
57254	1.1/8	65	12	50	26	200	1/2"		**647.01**
57255	1.3/16	70	12	60	28	210	1/2"		**667.39**
57256	1.1/4	70	14	60	30	230	1/2"		**687.61**
57257	1.5/16	70	14	65	31	250	1/2"		**707.84**
57258	1.3/8	75	14	70	33	260	1/2"		**727.92**
57259	1.7/16	75	14	70	34	270	1/2"		**768.44**
57260	1.1/2	80	14	75	36	280	1/2"		**809.04**
57261	1.9/16	80	14	75	37	290	1/2"		**859.46**
57262	1.5/8	85	14	80	39	320	1/2"		**910.10**
57263	1.11/16	90	14	80	41	330	1/2"		**960.59**
57264	1.3/4	90	14	84	42	340	1/2"		**1011.16**
57265	1.13/16	95	15	90	44	380	1/2"		**1112.14**
57266	1.7/8	95	15	90	45	400	1/2"		**1213.34**
57267	1.15/16	95	15	90	46	430	1/2"		**1314.40**
57268	2	100	15	95	49	460	1/2"		**1415.53**
57269	2.1/16	100	15	95	49	480	1/2"		**1466.09**
57270	2.1/8	100	15	100	50	500	1/2"		**1516.81**
57271	2.3/16	100	15	100	50	600	1/2"		**1567.23**
57272	2.1/4	105	15	100	50	650	1/2"		**1617.79**
57273	2.5/16	105	15	105	55	650	1/2"		**1668.36**
57274	2.3/8	110	15	105	55	700	1/2"		**1718.92**
57275	2.7/16	110	15	110	60	750	1/2"		**1769.41**
57276	2.1/2	110	15	110	60	850	1/2"		**1820.05**

440

Cap cheie inelara decupata

1/4" 3/8" 1/2"

- *otel aliat forjat*
- *capete de antrenare usor interschimbabile*







	O	L	b	a	S		Antrenare		
SW 01190008	8	23,8	12,7	8	12,3	6,3	1/4"	NOU	426.90
SW 01190009	9	28,5	18,2	13,5	14	6,7	1/4"	NOU	435.42
SW 01190010	10	28,4	18,2	13,5	14	7,1	1/4"	NOU	378.26
SW 01190011	11	28	18,2	13,5	14	8,6	1/4"	NOU	426.90
SW 01190012	12	30,8	20,6	14	15,7	9	1/4"	NOU	389.42
SW 01190013	13	32	22,2	14	16,4	10	1/4"	NOU	378.26
SW 01190014	14	31,7	22,2	14	16,4	11,1	1/4"	NOU	378.26
SW 02190015	15	36,5	24,6	17,5	19,1	11,9	3/8"	NOU	550.72
SW 02190016	16	36,1	24,6	17,5	19,1	13	3/8"	NOU	486.62
SW 02190017	17	39,2	27,3	17,5	20,5	14	3/8"	NOU	486.62
SW 02190018	18	40,8	29	18,5	21,3	14,8	3/8"	NOU	486.62
SW 02190019	19	40,5	29	18,5	21,3	15,8	3/8"	NOU	469.58
SW 02190020	20	42,9	31,3	18,5	22,5	15,8	3/8"	NOU	508.04
SW 02190021	21	42,8	31,3	18,5	22,5	16,2	3/8"	NOU	495.29
SW 02190022	22	45,3	33,5	19	23,6	17	3/8"		495.29
SW 02190023	23	47,5	35,7	19,5	24,6	17,5	3/8"	NOU	567.76
SW 02190024	24	47,3	35,7	19,5	24,6	18	3/8"		495.29
SW 02190025	25	49,3	37,7	20	25,7	19	3/8"	NOU	576.36
SW 02190026	26	49,3	37,7	20	25,7	19	3/8"	NOU	508.04
SW 02190027	27	52,8	40	21,4	28,2	20	3/8"		584.88
SW 02191027	27	57,1	42,1	15	29,3	20	3/8"	NOU	597.62
SW 03190028	28	56,8	42,1	22,5	29,3	21	1/2"	NOU	597.62
SW 03190030	30	63	48	22,5	32,5	22	1/2"		619.04
SW 03190032	32	62,5	48	22,5	32,5	24	1/2"		644.60
SW 03190034	34	64,2	50	24	33,5	27	1/2"	NOU	644.60
SW 03190036	36	66,5	51,9	24	34,6	27	1/2"	NOU	665.94
SW 03190038	38	68,1	53,9	24	35,6	28,6	1/2"		708.70
SW 03190040	40	71,8	57,9	24,5	37,7	31	1/2"		964.79
SW 03190041	41	71,8	57,9	24,5	37,7	31	1/2"		721.52
SW 03190042	42	71	57,9	24,5	37,7	33,2	1/2"	NOU	802.59
SW 03190046	46	77,7	64,2	26	40,9	34,1	1/2"	NOU	815.33
SW 03190050	50	83,2	70,5	27,5	44,1	39,7	1/2"	NOU	1041.56

736/10 NOU

Cap cheie inelara interschimbabil pentru biti utilizare cu cheie dinamometrica 9x12 mm

9x12

- *pentru chei dinamometrice cu suport dreptunghiular*
- *extrem de rezistent, extrem de durabil*





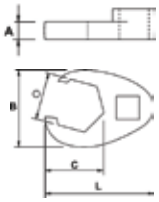
	O		b	h	S		Antrenare		
SW 58261010	5/16"	-	16	12.5	17.5	47	9x12	1	345.83
SW 58262610	1/4"	-	14	10	17.5	45	9x12	1	352.62

NOU

Cap cheie hexagonala CROW-FOOT

3/8"





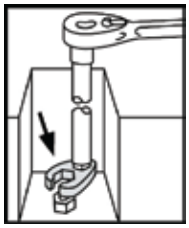
	O	L	A	B	C		Antrenare		
55736	10	38	7,8	31	16	28	3/8"		228.06
55737	11	38	7,8	31	18	28	3/8"		237.58
55738	12	38	8	31	18	35	3/8"		246.95
55739	13	38	8	31	18	40	3/8"		266.06
55740	14	41	9	33	21	41	3/8"		285.10
55741	15	41	9	33	21	50	3/8"		304.06
55742	16	41	9	33	21	50	3/8"		323.17
55743	17	45	10,5	36	24	56	3/8"		342.06
55744	19	46	10,5	36	25	62	3/8"		361.10
55745	21	50	11	40	28,5	80	3/8"		380.06
55746	22	50	11	40	28,5	100	3/8"		399.09
55747	24	55	11,5	45	34	140	3/8"		418.13
55748	25	55	11,5	45	34	140	3/8"		437.17
55749	27	55	11,5	45	34	200	3/8"		456.20

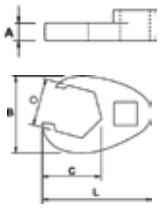
NOU

Cap cheie hexagonala CROW-FOOT

3/8"







	O	L	A	B	C		Antrenare		
55750	3/8	38	7,8	31	16	28	3/8"		228.06
55751	7/16	38	7,8	31	18	28	3/8"		237.58
55752	1/2	38	8	31	18	40	3/8"		246.95
55753	9/16	41	9	33	21	41	3/8"		266.06
55754	5/8	41	9	33	21	50	3/8"		285.10
55755	11/16	46	10,5	36	24	56	3/8"		304.06
55756	3/4	46	10,5	36	25	62	3/8"		323.17
55757	13/16	50	11	40	28,5	80	3/8"		342.06
55758	7/8	50	11	40	28,5	100	3/8"		361.10
55759	15/16	55	11,5	45	34	140	3/8"		380.06
55760	1	55	11,5	45	34	140	3/8"		399.09
55761	1.1/16	55	11,5	45	34	200	3/8"		418.13

736/40 NOU

Cap cheie inelara interschimbabil pentru biti utilizare cu cheie dinamometrica 14x18 mm

14x18

- *pentru chei dinamometrice cu suport dreptunghiular*
- *extrem de rezistent, extrem de durabil*





	O		b	h	S		Antrenare		
SW 58261040	5/16"	-	16	12.5	25	114	14x18	1	469.58



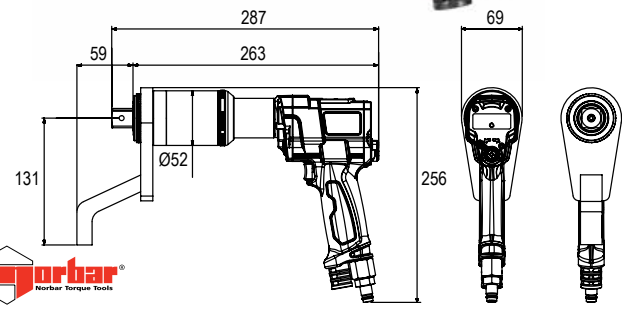
PTS-52-500

Multiplicator de cuplu pneumatic 100-500 Nm

3/4"

- *fara impact - nivel redus de vibratii pentru o utilizare confortabila si sigura*
- *functionare foarte silentioasa - reducerea necesitatii de protectie cu nivel de presiune acustica de la 77dB (A) la 79dB (A)*
- *livrat standard cu un certificat de calibrare numai in sensul orar*
- *functionare rapida pentru desfacere rapida a suruburilor*
- *greutate redusa*
- *comutator usor accesibil pentru functionarea inainte si inapoi*
- *cuplaj de aer conceput pentru siguranta si functionare rapida*
- *± 5% repetabilitate a citirii de la 20% la 100% din interval*
- *patrat de antrenare inlocuibil*





	N.m	lbf.ft						
180241.B06	100 - 500	74 - 370	3/4"	±3%	±3%	35.5 rpm	4200	**53336.15**

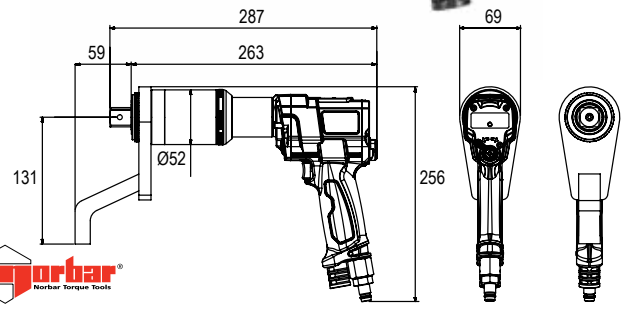
PTS-52-800

Multiplicator de cuplu pneumatic 160-800 Nm

3/4"

- *fara impact - nivel redus de vibratii pentru o utilizare confortabila si sigura*
- *functionare foarte silentioasa - reducerea necesitatii de protectie cu nivel de presiune acustica de la 77dB (A) la 79dB (A)*
- *livrat standard cu un certificat de calibrare numai in sensul orar*
- *functionare rapida pentru desfacere rapida a suruburilor*
- *greutate redusa*
- *comutator usor accesibil pentru functionarea inainte si inapoi*
- *cuplaj de aer conceput pentru siguranta si functionare rapida*
- *± 5% repetabilitate a citirii de la 20% la 100% din interval*
- *patrat de antrenare inlocuibil*





	N.m	lbf.ft						
180242.B06	160 - 800	118 - 590	3/4"	±3%	±3%	25.7 rpm	4200	**53336.15**

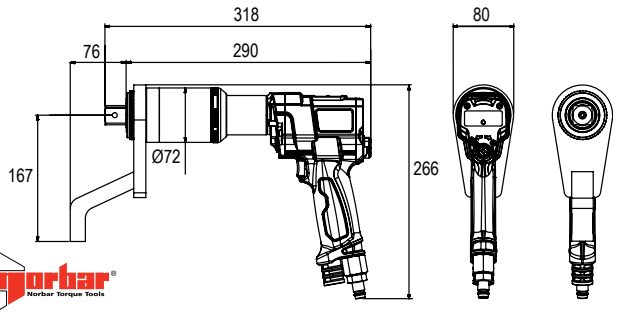
PTS-72-1000

Multiplicator de cuplu pneumatic 200-1000 Nm

3/4"

- *fara impact - nivel redus de vibratii pentru o utilizare confortabila si sigura*
- *functionare foarte silentioasa - reducerea necesitatii de protectie cu nivel de presiune acustica de la 77dB (A) la 79dB (A)*
- *livrat standard cu un certificat de calibrare numai in sensul orar*
- *functionare rapida pentru desfacere rapida a suruburilor*
- *greutate redusa*
- *comutator usor accesibil pentru functionarea inainte si inapoi*
- *cuplaj de aer conceput pentru siguranta si functionare rapida*
- *± 5% repetabilitate a citirii de la 20% la 100% din interval*
- *patrat de antrenare inlocuibil*





180243.B06	200 - 1000	147 - 738	3/4"	±3%	±3%	20.4 rpm	6240	**55843.83**

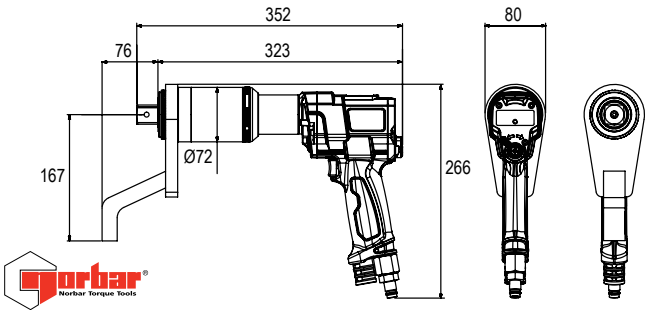
PTS-72-2000

Multiplicator de cuplu pneumatic 400-2000 Nm

1"

- *fara impact - nivel redus de vibratii pentru o utilizare confortabila si sigura*
- *functionare foarte silentioasa - reducerea necesitatii de protectie cu nivel de presiune acustica de la 77dB (A) la 79dB (A)*
- *livrat standard cu un certificat de calibrare numai in sensul orar*
- *functionare rapida pentru desfacere rapida a suruburilor*
- *greutate redusa*
- *comutator usor accesibil pentru functionarea inainte si inapoi*
- *cuplaj de aer conceput pentru siguranta si functionare rapida*
- *± 5% repetabilitate a citirii de la 20% la 100% din interval*
- *patrat de antrenare inlocuibil*





180245.B08	400-2000	295-1475	1"	±3%	±3%	9.2 rpm	6600	**58460.24**

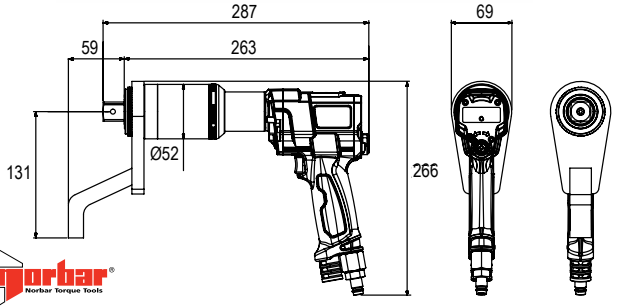
PTS-72-1350

Multiplicator de cuplu pneumatic 270-1350 Nm

1"

- *fara impact - nivel redus de vibratii pentru o utilizare confortabila si sigura*
- *functionare foarte silentioasa - reducerea necesitatii de protectie cu nivel de presiune acustica de la 77dB (A) la 79dB (A)*
- *livrat standard cu un certificat de calibrare numai in sensul orar*
- *functionare rapida pentru desfacere rapida a suruburilor*
- *greutate redusa*
- *comutator usor accesibil pentru functionarea inainte si inapoi*
- *cuplaj de aer conceput pentru siguranta si functionare rapida*
- *± 5% repetabilitate a citirii de la 20% la 100% din interval*
- *patrat de antrenare inlocuibil*





180244.B08	270-1350	200-1000	1"	±3%	±3%	14.7 rpm	6240	**55843.83**

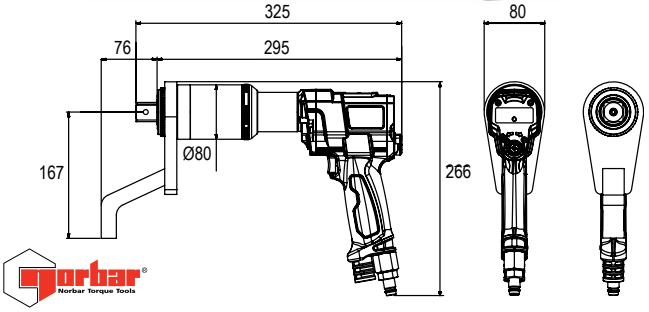
PTS-80-2700

Multiplicator de cuplu pneumatic 540-2700 Nm

1"

- *fara impact - nivel redus de vibratii pentru o utilizare confortabila si sigura*
- *functionare foarte silentioasa - reducerea necesitatii de protectie cu nivel de presiune acustica de la 77dB (A) la 79dB (A)*
- *livrat standard cu un certificat de calibrare numai in sensul orar*
- *functionare rapida pentru desfacere rapida a suruburilor*
- *greutate redusa*
- *comutator usor accesibil pentru functionarea inainte si inapoi*
- *cuplaj de aer conceput pentru siguranta si functionare rapida*
- *± 5% repetabilitate a citirii de la 20% la 100% din interval*
- *patrat de antrenare inlocuibil*





180246.B08	540-2700	400-2000	1"	±3%	±3%	7.3 rpm	6150	**64728.63**

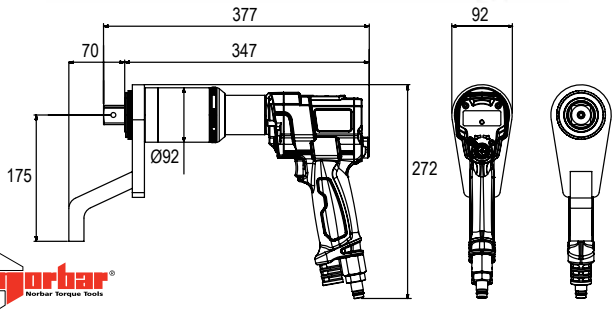
PTS-92-4000

Multiplicator de cuplu pneumatic 800-4000 Nm

1”

- *fara impact - nivel redus de vibratii pentru o utilizare confortabila si sigura*
- *functionare foarte silentioasa - reducerea necesitatii de protectie cu nivel de presiune acustica de la 77dB (A) la 79dB (A)*
- *livrat standard cu un certificat de calibrare numai in sensul orar*
- *functionare rapida pentru desfacere rapida a suruburilor*
- *greutate redusa*
- *comutator usor accesibil pentru functionarea inainte si inapoi*
- *cuplaj de aer conceput pentru siguranta si functionare rapida*
- *± 5% repetabilitate a citirii de la 20% la 100% din interval*
- *patrat de antrenare inlocuibil*





	N.m	lbf.ft						
180250.B08	800-4000	590-2950	1”	±3%	±3%	5.3 rpm	8950	**67842.68**

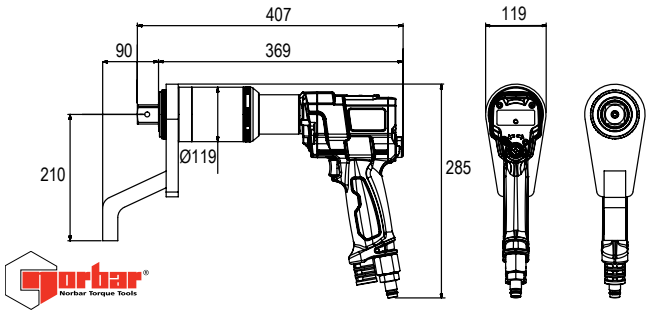
PTS-119-7000

Multiplicator de cuplu pneumatic 1400-7000 Nm

1.1/2”

- *fara impact - nivel redus de vibratii pentru o utilizare confortabila si sigura*
- *functionare foarte silentioasa - reducerea necesitatii de protectie cu nivel de presiune acustica de la 77dB (A) la 79dB (A)*
- *livrat standard cu un certificat de calibrare numai in sensul orar*
- *functionare rapida pentru desfacere rapida a suruburilor*
- *greutate redusa*
- *comutator usor accesibil pentru functionarea inainte si inapoi*
- *cuplaj de aer conceput pentru siguranta si functionare rapida*
- *± 5% repetabilitate a citirii de la 20% la 100% din interval*
- *patrat de antrenare inlocuibil*





	N.m	lbf.ft						
180249.B12	1400-7000	1030-5200	1.1/2”	±3%	±3%	2.6 rpm	12520	**77026.86**

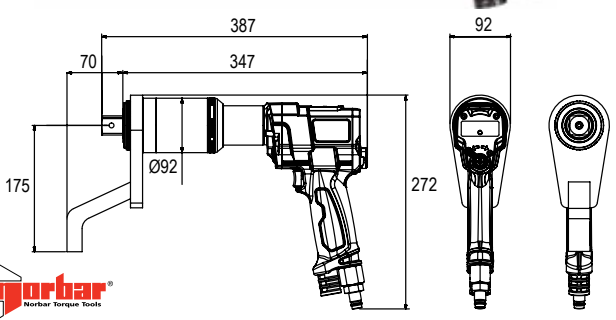
PTS-92-4000

Multiplicator de cuplu pneumatic 800-4000 Nm

1.1/2”

- *fara impact - nivel redus de vibratii pentru o utilizare confortabila si sigura*
- *functionare foarte silentioasa - reducerea necesitatii de protectie cu nivel de presiune acustica de la 77dB (A) la 79dB (A)*
- *livrat standard cu un certificat de calibrare numai in sensul orar*
- *functionare rapida pentru desfacere rapida a suruburilor*
- *greutate redusa*
- *comutator usor accesibil pentru functionarea inainte si inapoi*
- *cuplaj de aer conceput pentru siguranta si functionare rapida*
- *± 5% repetabilitate a citirii de la 20% la 100% din interval*
- *patrat de antrenare inlocuibil*





	N.m	lbf.ft						
180250.B12	800-4000	590-2950	1.1/2”	±3%	±3%	5.3 rpm	8950	**67842.68**

Accesorii optionale







Manerul secundar este un accesoriu usor de adaptat si versatil, care ofera suport suplimentar si usurinta in manevrare la aplicarea cuplului cu multiplicatoarele pneumatice Norbar. Manerul secundar este conceput pentru a se potrivi direct tuturor multiplicatoarelor care au o canelura de localizare a manerului in inel, acoperita de o banda de cauciuc rosie (asa cum se vede in imagine)







Declansator secundar pentru utilizare cu toate instrumentele PTS ™ si PTM. Acest lucru necesita ca operatorul sa foloseasca ambele maini pentru a actiona instrumentul, reducand astfel riscul ca mainile sa fie prinse intre bara de reacte si punctul de reactie



Cutia de viteze cu unghi drept permite utilizarea multiplicatoarelor de cuplu pneumatice si electrice Norbar intr-o serie de aplicatii din care sunt excluse in prezent din cauza restrictiilor de spatiu.
Cutia de viteze cu unghi drept permite ca majoritatea instrumentelor ET, PTS si PTM cu un unghi de functionare de 90 °.

IST-TS500

Stand testare chei dinamometrice

- *se utilizeaza impreuna cu testere digitale (IST-TT5, IST-TT30, IST-TT50, IST-TT220, IST-TT550)*
- *lungime brat (L1): 150-620 mm, reglabila*
- *cursa maxima (L2): 200 mm*
- *greutate: 12.78 kg*





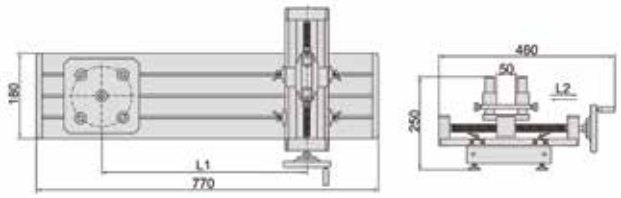
exemplu de utilizare



tester digital de torsiune (optional)



adaptor (optional, pentru testerul digital de torsiune IST-TT5, IST-TT30, IST-TT50, IST-TT220)



	L1	L2	IST-TT5	IST-TT30	IST-TT50	IST-TT220	IST-TT550			
IST-TS500	150 - 620	200	0.5 - 5 Nm	3 - 30 Nm	5 - 50 Nm	22 - 220 Nm	220 - 340 Nm	12780	1	**23354.93**

Tabel de conversie al mometului de torsiune din Newton metru in Inch Pounds

Formula conversie: newton metru x 8.85074579 = inch pounds

Newton Meters (N-m)	Inch Pounds (in-lbs)	Newton Meters (N-m)	Inch Pounds (in-lbs)	Newton Meters (N-m)	Inch Pounds (in-lbs)	Newton Meters (N-m)	Inch Pounds (in-lbs)	Newton Meters (N-m)	Inch Pounds (in-lbs)
1 =	8.85	32 =	283.22	63 =	557.60	94 =	831.97	125 =	1106.34
2 =	17.70	33 =	292.07	64 =	566.45	95 =	840.82	126 =	1115.19
3 =	26.55	34 =	300.93	65 =	575.30	96 =	849.67	127 =	1124.04
4 =	35.40	35 =	309.78	66 =	584.15	97 =	858.52	128 =	1132.90
5 =	44.25	36 =	318.63	67 =	593.00	98 =	867.37	129 =	1141.75
6 =	53.10	37 =	327.48	68 =	601.85	99 =	876.22	130 =	1150.60
7 =	61.96	38 =	336.33	69 =	610.70	100 =	885.07	131 =	1159.45
8 =	70.81	39 =	345.18	70 =	619.55	101 =	893.93	132 =	1168.30
9 =	79.66	40 =	354.03	71 =	628.40	102 =	902.78	133 =	1177.15
10 =	88.51	41 =	362.88	72 =	637.25	103 =	911.63	134 =	1186.00
11 =	97.36	42 =	371.73	73 =	646.10	104 =	920.48	135 =	1194.85
12 =	106.21	43 =	380.58	74 =	654.96	105 =	929.33	136 =	1203.70
13 =	115.06	44 =	389.43	75 =	663.81	106 =	938.18	137 =	1212.55
14 =	123.91	45 =	398.28	76 =	672.66	107 =	947.03	138 =	1221.40
15 =	132.76	46 =	407.13	77 =	681.51	108 =	955.88	139 =	1230.25
16 =	141.61	47 =	415.99	78 =	690.36	109 =	964.73	140 =	1239.10
17 =	150.46	48 =	424.84	79 =	699.21	110 =	973.58	141 =	1247.96
18 =	159.31	49 =	433.69	80 =	708.06	111 =	982.43	142 =	1256.81
19 =	168.16	50 =	442.54	81 =	716.91	112 =	991.28	143 =	1265.66
20 =	177.01	51 =	451.39	82 =	725.76	113 =	1000.13	144 =	1274.51
21 =	185.87	52 =	460.24	83 =	734.61	114 =	1008.99	145 =	1283.36
22 =	194.72	53 =	469.09	84 =	743.46	115 =	1017.84	146 =	1292.21
23 =	203.57	54 =	477.94	85 =	752.31	116 =	1026.69	147 =	1301.06
24 =	212.42	55 =	486.79	86 =	761.16	117 =	1035.54	148 =	1309.91
25 =	221.27	56 =	495.64	87 =	770.01	118 =	1044.39	149 =	1318.76
26 =	230.12	57 =	504.49	88 =	778.87	119 =	1053.24	150 =	1327.61
27 =	238.97	58 =	513.34	89 =	787.72	120 =	1062.09	151 =	1336.46
28 =	247.82	59 =	522.19	90 =	796.57	121 =	1070.94	152 =	1345.31
29 =	256.67	60 =	531.04	91 =	805.42	122 =	1079.79	153 =	1354.16
30 =	265.52	61 =	539.90	92 =	814.27	123 =	1088.64	154 =	1363.01
31 =	274.37	62 =	548.75	93 =	823.12	124 =	1097.49	155 =	1371.87

Ghid de strangere controlata

μ=0,10 **tabel de strangere pentru suruburi fosfatate sau zincate,ungerea de buna calitate(μ=coeficient de frecare mediu)**

	ISO272		Clasa de calitate suruburi de otel ISO 898-1													
Ø SURUB	Pas filet	DC	5.6	5.6	5.8	5.8	6.8	6.8	8.8	8.8	9.8	9.8	10.9	10.9	12.9	12.9
mm	ISO mm	mm	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo
1.6	0.35	3.2	0.06	260	0.084	364	0.096	416	0.128	555	0.144	624	0.189	815	0.221	954
2	0.4	4	0.126	432	0.177	604	0.202	690	0.27	921	0.303	1036	0.396	1352	0.483	1582
2.5	0.45	5	0.261	718	0.365	1006	0.417	1150	0.556	1533	0.626	1724	0.82	2251	0.96	2634
3	0.5	5.5	0.44	1077	0.62	1508	0.71	1724	0.95	2298	1.09	2586	1.4	3376	1.64	3951
4	0.7	7	1.03	1868	1.44	2615	1.65	2988	2.2	3985	2.49	4484	3.23	5853	3.78	6849
5	0.8	8	2.03	3053	2.85	4275	3.25	4885	4.34	6514	4.92	7335	6.3	9568	7.4	11196
6	1	10	3.53	4310	4.95	6034	5.6	6896	7.5	9195	8.53	10336	11	13506	12.6	15805
8	1.25	13	8.5	7904	11.9	11066	13.6	12647	18.2	16863	20.63	18968	26	24678	31	28984
10	1.5	16	16.8	12580	23	17612	27	20128	36	26838	41	30197	52	39418	61	46128
12	1.75	18	29	18337	40	25672	46	29339	62	39119	70	44022	91	57457	106	67236
14	2	21	46	25175	65	35245	74	40280	99	53707	111	60251	145	78882	170	92309
16	2	24	71	34597	100	48436	115	55356	153	73808	173	83165	225	108406	263	126858
18	2.5	27	99	42094	139	58932	159	67351	220	92440			313	131897	366	154348
20	2.5	30	140	54059	196	75682	225	86494	311	119003			440	169385	515	198216
22	2.5	34	192	67511	269	94515	307	108017	424	148374			602	211534	704	247540
24	3	36	241	77845	338	108983	387	124552	534	171437			758	243914	887	285432
27	3	41	355	102393	498	143350	569	163829	784	225110			1114	320832	1304	375442
30	3.5	46	483	124491	677	174287	773	199185	1067	274030			1515	390072	1773	456467
33	3.5	50	653	155083	915	217116	1046	248132	1442	341347			2048	485926	2397	568637
36	4	55	841	182032	1177	254845	1346	291252	1855	400571			2636	570369	3085	667453
39	4	60	1088	218667	1523	306135	1741	349868	2399	481158			3410	685159	3990	801782
42	4.5	65	1348	250311	1887	350435	2156	400497	2965	550683			4223	784306	4941	917805
45	4.5	70	1681	292970	2353	410158	2690	468752	3698	644534			5267	917973	6164	1074223
48	5	75	2032	329254	2845	460956	3251	526807	4470	724359			6367	1031663	7450	1207265
52	5	80	2608	395006	3651	553008	4172	632009	5737	869013			8171	1237685	9562	1448354
56	5.5	85	3255	456159	4577	638622	5208	729854	7161	1003549			10199	1429298	11935	1672582
60	5.5	90	4032	532893	5645	746050	6451	852629	8871	1172365			12634	1669732	14785	1953941
64	6	95	4856	602793	6798	843911	7769	964470	10683	1326146			15215	1888753	17805	2210243

μ=0,15 **tabel de strangere pentru suruburi fosfatate sau zincate,ungere superficiala(in stare de livrare)(μ=coeficient de frecare mediu)**

	ISO272		Clasa de calitate suruburi de otel ISO 898-1													
Ø SURUB	Pas filet	DC	5.6	5.6	5.8	5.8	6.8	6.8	8.8	8.8	9.8	9.8	10.9	10.9	12.9	12.9
mm	ISO mm	mm	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo
1.6	0.35	3.2	0.075	234	0.105	327	0.12	374	0.16	499	0.18	561	0.235	732	0.275	857
2	0.4	4	0.159	388	0.222	544	0.254	621	0.339	829	0.381	932	0.498	1217	0.582	1424
2.5	0.45	5	0.33	648	0.463	907	0.529	1036	0.705	1382	0.793	1555	1.04	2030	1.21	2375
3	0.5	5.5	0.57	972	0.8	1362	0.91	1556	1.21	2075	1.38	2335	1.79	3048	2.09	3567
4	0.7	7	1.3	1685	1.83	2359	2.09	2696	2.78	3594	3.16	4044	4.09	5279	4.79	6178
5	0.8	8	2.59	2759	3.62	3682	4.14	4414	5.5	5886	6.27	6626	8.1	8645	9.5	10116
6	1	10	4.49	3891	6.2	5448	7.1	6226	9.5	8302	10.84	9334	14	12194	16.4	14269
8	1.25	13	10.9	7145	15.2	10003	17.4	11432	23	15242	26.34	17146	34	22388	40	26198
10	1.5	16	21	11379	30	15930	34	18206	46	24275	52	27313	67	35655	79	41724
12	1.75	18	37	16594	52	23231	59	26550	79	35401	90	39835	116	51995	136	60845
14	2	21	59	22789	83	31905	95	36463	127	48618	143	54570	187	71408	219	83563
16	2	24	93	31385	130	43939	148	50216	198	66955	224	75422	291	98340	341	115079
18	2.5	27	128	38123	179	53373	205	60998	283	83746			402	119454	471	139787
20	2.5	30	182	49039	254	68655	291	78463	402	107941			570	153657	667	179811
22	2.5	34	250	61326	350	85857	400	98123	552	134806			783	192257	917	224865
24	3	36	313	70616	438	98863	500	112986	691	155489			981	221266	1148	258928
27	3	41	463	93042	649	130259	741	148868	1022	204577			1452	291534	1700	341157
30	3.5	46	628	116045	880	158263	1005	180872	1387	248811			1969	354209	2305	414500
33	3.5	50	854	141009	1195	197412	1366	225614	1884	310343			2676	441828	3132	517033
36	4	55	1096	165409	1534	231573	1754	264655	2418	363974			3435	518282	4020	606501
39	4	60	1424	198910	1994	278474	2279	318257	3139	437669			4463	623253	5223	729339
42	4.5	65	1760	227588	2464	318624	2816	364141	3872	500694			5515	713110	6453	834491
45	4.5	70	2203	266613	3085	373258	3525	426580	4847	586548			6903	835386	8079	977579
48	5	75	2659	299530	3722	419342	4254	479248	5849	658966			8330	938258	9748	1098277
52	5	80	3425	359684	4795	503558	5480	575495	7335	791306			10731	1127011	12558	1318843
56	5.5	85	4270	415172	5978	581240	6832	664275	9394	913378			13379	1300871	15656	1522296
60	5.5	90	5306	485416	7428	679583	8490	776666	11673	1067916			16625	1520971	19455	1779860
64	6	95	6382	548969	8935	768556	10212	878350	14041	1207731			19998	1720102	23402	2012885

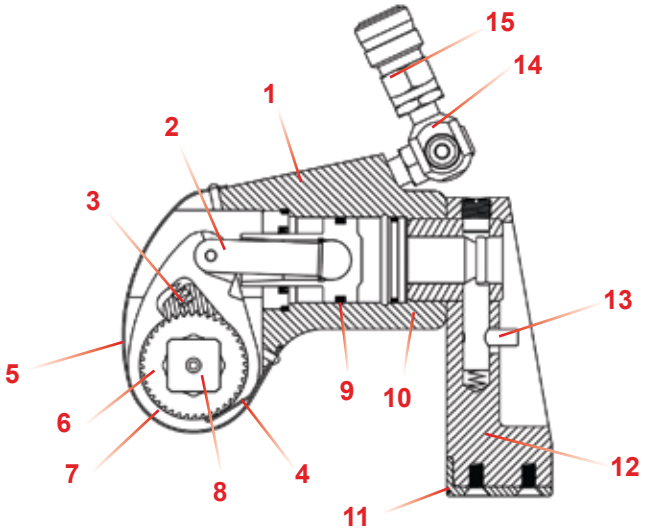
μ=0,20 **tabel de strangere pentru suruburi acoperite sau fara acoperire.Montaj uscat fara ungere (μ=coeficient de frecare mediu)**

	ISO272		Clasa de calitate suruburi de otel ISO 898-1													
Ø SURUB	Pas filet	DC	5.6	5.6	5.8	5.8	6.8	6.8	8.8	8.8	9.8	9.8	10.9	10.9	12.9	12.9
mm	ISO mm	mm	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo	Cs	Fo
1.6	0.35	3.2	0.086	210	0.12	294	0.137	335	0.183	447	0.206	503	0.269	657	0.315	769
2	0.4	4	0.183	349	0.256	488	0.293	558	0.39	744	0.439	837	0.573	1093	0.671	1279
2.5	0.45	5	0.383	582	0.536	815	0.612	931	0.816	1242	0.918	1397	1.2	1824	1.4	2134
3	0.5	5.5	0.66	874	0.92	1224	1.06	1399	1.41	1866	1.6	2099	2.07	2740	2.43	3207
4	0.7	7	1.51	1514	2.11	2120	2.42	2422	3.22	3230	3.66	3635	4.74	4744	5.5	5552
5	0.8	8	3	2481	4.2	3473	4.81	3970	6.4	5293	7.27	5958	9.4	7774	11	9098
6	1	10	5.2	3498	7.2	4893	8.3	5598	11.1	7464	12.57	8392	16.3	10962	19.1	12828
8	1.25	13	12.6	6426	17.7	8997	20	10283	27	13710	30.62	15423	39	20137	46	23565
10	1.5	16	25	10238	35	14334	40	16382	53	21843	61	24575	78	32082	92	37542
12	1.75	18	43	14934	60	20908	69	23895	92	31860	105	35849	136	46795	159	54760
14	2	21	69	20514	97	28719	111	32800	148	43763	167	49142	218	64277	255	75218
16	2	24	108	28280	152	39592	174	45248	232	60331	262	67944	341	88611	399	103694
18	2.5	27	149	34324	209	48054	239	54919	330	75421			469	107549	549	125856
20	2.5	30	213	44188	298	61863	341	70700	471	97253			667	138456	781	162023
22	2.5	34	293	55298	411	77418	470	88478	648	121574			920	173269	1077	202762
24	3	36	366	63630	513	89083	586	101809	809	140084			1148	199376	1343	233313
27	3	41	544	83910	762	117474	871	134257	1201	184517			1706	262920	1997	307672
30	3.5	46	737	101914	1032	142679	1180	163062	1628	224292			2311	319331	2704	373685
33	3.5	50	1004	127210	1406	178094	1607	203536	2216	279953			3148	398593	3684	466438
36	4	55	1288	149174	1803	208844	2060	238679	2840	328236			4036	467413	4723	546973
39	4	60	1677	179487	2348	251282	2683	287179	3697	394919			5255	562393	6150	658119
42	4.5	65	2070	205323	2898	287452	3312	328516	4554	451710			6486	643344	7590	752849
45	4.5	70	2596	240641	3635	336897	4154	385025	5712	529410			8136	754008	9520	882350
48	5	75	3130	270321	4383	378449	5009	432514	6887	594706			9809	847006	11478	991177
52	5	80	4041	324763	5657	454668	6465	519620	8889	714478			12661	1017590	14816	1190797
56	5.5	85	5034	374739	7048	524635	8054	599582	11075	824426			15773	1174182	18458	1374043
60	5.5	90	6266	438337	8772	613672	10026	701340	13785	964342			19634	1373457	22976	1607237
64	6	95	7533	495676	10546	693947	12052	793082	16572	1090488			23603	1553119	27620	1817480

Chei dinamometrice hidraulice cu antrenare patrata

- *cheile dinamometrice hidraulice EGA Master au fost proiectate pentru strangerea controlata a conexiunilor piulita-surub*
- *debitul hidraulic controlat de la distanta si presiunea furnizate de centralele hidraulice EGA Master asigura rotatia piulitei pe surub*
- *sortimentul de actionare patrata (utilizat cu chei tubulare de impact) permite strangerea unei game foarte largi de dimensiuni ale piulitelor, atat in milimetri, cat si in inci*
- *dimensiunile lor mici si durabilitatea ridicata le fac instrumentul perfect pentru mai multe sectoare: industria petrochimica, sectorul eolian, generarea de energie electrica, sectorul naval etc.*

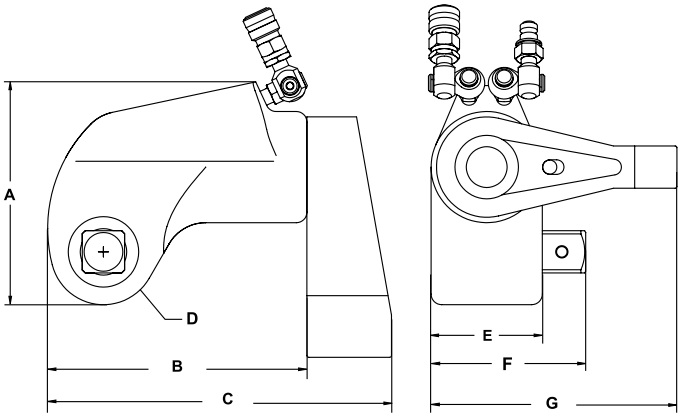


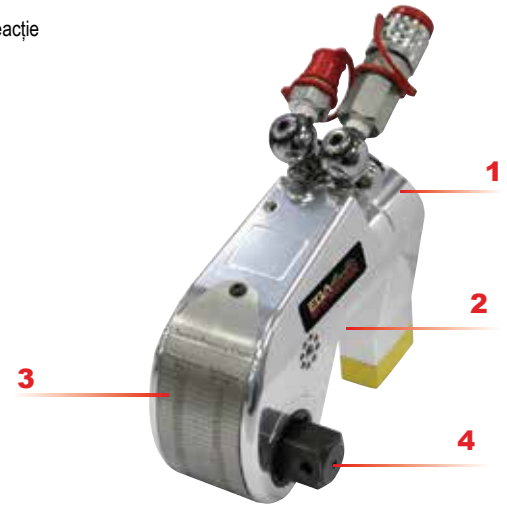


1. Carcasa mono-corp
2. Tija de antrenare echilibrata
Miscare larga a pistonului fara sarcina
3. Segment de antrenare multi-dinti
Asigura pana la 27 grade de cursa de lucru
4. Mecanism anti joc
Oferă funcționare fără mâini
5. Diagrama de cupluri gravată cu laser
Nu mai este nevoie de cautari
6. Clichet cu mai mulți dinți
Dantura puternica Vascomax oferă rezistență, precizie și cursă de cuplu de 27 de grade

7. O placa de antrenare
O placa de antrenare Vascomax dintr-o singură bucată oferă o durabilitate mai mare
8. Antrenare push-through (de trecere)
Doar păsați pentru a comuta de la slăbire la strângere
9. Piston cu o singura etansare
Asigura functionare extinsa fara intretinere
10. Reacție directă a carcasei
Permite utilizarea instrumentului fără braț de reacție
11. Brat de reacție din oțel
Inlocuibilă si protejează brațul de reacție
12. Braț lung de reacție
Permite reacții la toate aplicațiile

13. Buton de eliberare
Protejat în carcasa brațului de reacție
14. 360° x 360° pivot
Permite pozitia furtunului pentru toate aplicațiile
15. Cuplaje rapide fara picurare
Asigura operarea usoara si sigura
16. Piston din otel aliat
Robust, permite un ciclu de funcționare mai lung





1. 360˚ braț de reacție pivotant pentru o potrivire corectă la orice aplicație.
2. Permite utilizarea instrumentului fără braț de reacție.
3. Diagrama cupluri gravată cu laser pentru acces mai rapid.
4. Permite schimbarea rapidă de direcție împingând unitatea pătrată, fără scule suplimentare.

		N.m	Ft.lbs	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Acuratete	Repit	Ciclu			
56578	3/4"	172-1722	127-1270	105	120	160	5	50	70	110	±3%	100%	100%	1700	1	**45941.66**
56572	1"	447-4514	330-3330	135	155	210	33	65	95	150	±3%	100%	100%	4000	1	**65331.70**
56579	1.1/2"	1003-10031	740-7400	180	210	280	45	90	130	200	±3%	100%	100%	8500	1	**88328.93**
56580	1.1/2"	1491-14925	1100-11010	200	230	310	49	100	140	220	±3%	100%	100%	13000	1	**108982.82**
56581	2.1/2"	2630-27964	1940-20625	230	240	410	60	125	180	280	±3%	100%	100%	28000	1	**140635.70**
56582	2.1/2"	3687-36872	2720-27200	260	310	410	65	135	190	300	±3%	100%	100%	32000	1	**152358.88**
56583	2.1/2"	7862-78625	5800-58000	290	390	520	80	165	230	360	±3%	100%	100%	60000	1	**256427.86**

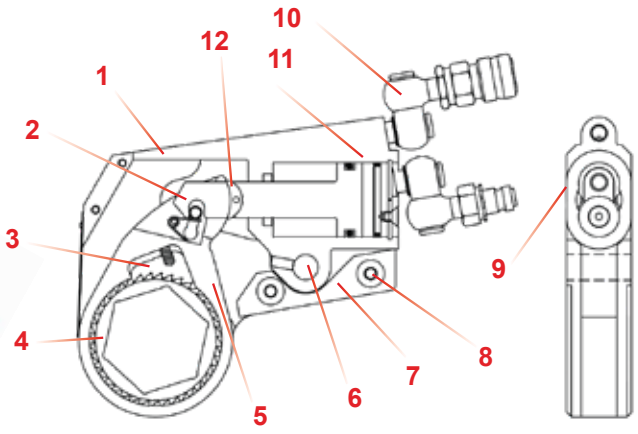
TABEL DE CONVERSIE CUPLU

P.S.I	COD. 56578	COD. 56572	COD. 56579	COD. 56580	COD. 56581	COD. 56582	COD. 56583	Bar	COD. 56578	COD. 56572	COD. 56579	COD. 56580	COD. 56581	COD. 56582	COD. 56583
	Ft.-lbs.	Ft.-lbs.	Ft.-lbs.	Ft.-lbs.	Ft.-lbs.	Ft.-lbs.	Ft.-lbs.		N.M	N.M	N.M	N.M	N.M	N.M	N.M
1,000	132	347	790	1198	2249	3032	6202	69	179	470	1071	1624	3049	4111	8409
1,200	159	414	947	1433	2683	3606	7422	83	215	561	1284	1943	3638	4889	10062
1,400	185	481	1104	1668	3118	4180	8641	97	251	652	1497	2262	4227	5668	11716
1,600	212	547	1262	1904	3552	4755	9861	110	287	742	1710	2581	4816	6446	13369
1,800	238	614	1419	2139	3987	5329	11080	124	323	833	1924	2900	5405	7225	15023
2,000	265	681	1576	2374	4421	5903	12300	138	359	923	2137	3219	5994	8003	16677
2,200	292	748	1734	2612	4847	6469	13477	152	396	1015	2351	3541	6572	8771	18272
2,400	319	816	1892	2850	5273	7035	14654	165	433	1106	2565	3864	7150	9538	19868
2,600	346	883	2050	3088	5700	7600	15831	179	469	1197	2779	4187	7728	10305	21464
2,800	373	951	2208	3326	6126	8166	17008	193	506	1289	2994	4509	8305	11072	23060
3,000	400	1018	2366	3564	6552	8732	18185	207	542	1380	3208	4832	8883	11839	24656
3,200	427	1085	2525	3802	6974	9302	19378	221	579	1471	3423	5155	9455	12612	26273
3,400	454	1152	2683	4041	7396	9873	20571	234	616	1562	3638	5479	10028	13386	27890
3,600	481	1220	2842	4279	7818	10443	21763	248	652	1654	3853	5802	10600	14159	29507
3,800	508	1287	3000	4518	8240	11014	22956	262	689	1745	4068	6125	11172	14932	31124
4,000	535	1354	3159	4756	8662	11584	24149	276	725	1836	4283	6448	11744	15706	32742
4,200	561	1421	3317	4990	9077	12137	25344	290	761	1926	4497	6766	12306	16455	34361
4,400	588	1487	3475	5225	9492	12690	26538	303	797	2016	4711	7084	12869	17205	35981
4,600	614	1554	3632	5459	9906	13242	27733	317	833	2107	4925	7402	13431	17954	37601
4,800	641	1620	3790	5694	10321	13795	28927	331	869	2197	5139	7719	13994	18704	39220
5,000	667	1687	3948	5928	10736	14348	30122	345	904	2287	5353	8037	14556	19453	40840
5,200	694	1754	4106	6164	11158	14911	31317	359	941	2379	5568	8357	15128	20217	42460
5,400	721	1822	4265	6400	11580	15474	32511	372	977	2470	5782	8677	15700	20980	44079
5,600	747	1889	4423	6635	12002	16037	33706	386	1013	2561	5997	8996	16273	21743	45699
5,800	774	1957	4582	6871	12424	16600	34900	400	1050	2653	6212	9316	16845	22507	47319
6,000	801	2024	4740	7107	12846	17163	36095	414	1086	2744	6427	9636	17417	23270	48938
6,200	828	2092	4901	7348	13271	17720	37293	427	1123	2837	6645	9963	17993	24026	50562
6,400	855	2160	5063	7589	13696	18278	38491	441	1160	2929	6864	10290	18569	24781	52186
6,600	883	2229	5224	7831	14120	18835	39688	455	1197	3022	7083	10617	19145	25537	53810
6,800	910	2297	5386	8072	14545	19393	40886	469	1234	3114	7302	10944	19721	26293	55434
7,000	937	2365	5547	8313	14970	19950	42084	483	1270	3207	7521	11271	20297	27049	57058
7,200	964	2432	5705	8547	15388	20510	43282	496	1306	3297	7735	11588	20863	27807	58683
7,400	990	2499	5863	8781	15806	21069	44480	510	1343	3388	7949	11905	21430	28566	60307
7,600	1017	2565	6021	9015	16223	21629	45678	524	1379	3478	8163	12223	21996	29325	61931
7,800	1043	2632	6179	9249	16641	22188	46876	538	1415	3569	8378	12540	22562	30083	63555
8,000	1070	2699	6337	9483	17059	22748	48074	552	1451	3659	8592	12857	23129	30842	65180
8,200	1098	2769	6505	9727	17492	23308	49272	565	1488	3754	8820	13188	23716	31601	66804
8,400	1126	2838	6674	9971	17925	23868	50470	579	1526	3848	9048	13518	24302	32360	68428
8,600	1153	2908	6842	10214	18357	24427	51667	593	1564	3942	9277	13849	24889	33119	70052
8,800	1181	2977	7011	10458	18790	24987	52865	607	1601	4037	9505	14179	25476	33878	71676
9,000	1209	3047	7179	10702	19223	25547	54063	621	1639	4131	9733	14510	26063	34637	73300
9,200	1236	3115	7342	10943	19653	26106	55260	634	1676	4223	9954	14837	26645	35395	74922
9,400	1263	3183	7505	11184	20082	26665	56456	648	1713	4316	10175	15164	27228	36153	76544
9,600	1291	3251	7668	11426	20512	27225	57653	662	1750	4408	10396	15491	27810	36912	78167
9,800	1318	3319	7831	11667	20941	27784	58849	676	1787	4500	10617	15818	28393	37670	79789
10,000	1345	3387	7994	11908	21371	28343	60046	689	1824	4592	10838	16145	28975	38428	81411

Chei dinamometrice hidraulice cu antrenare hexagonala

- *cheile dinamometrice hidraulice EGA Master au fost proiectate pentru strangerea controlata a conexiunilor piulita-surub*
- *debitul hidraulic controlat de la distanta si presiunea furnizate de centralele hidraulice EGA Master asigura rotatia piulitei pe surub*
- *sortimentul de actionare hexagonala (nu necesita capete tubulare suplimentare) permite strangerea unei game foarte largi de dimensiuni ale piulitelor, atat in milimetri, cat si in inci*
- *dimensiunile lor mici si durabilitatea ridicata le fac instrumentul perfect pentru mai multe sectoare: industria petrochimica, sectorul eolian, generarea de energie electrica, sectorul naval etc.*





1. "Peanut-shaped" cilindru oval
Potrivit pentru zone inchise

2. Tija
Activează automat legătura la prima cursa

3. Mecanism anti-blocare
Asigură că instrumentul nu se va bloca niciodată

4. Clichet cu dantura multipla
Asigura pana la 27 grade de cursa de lucru

5. O placa de antrenare
Aliajul robust asigură o rază mica

6. Pin de legatura
Un pin pentru legătura cu cuplarea cilindrului, nu sunt necesare unelte

7. Tampon în linie
Asigura reactia libera de fiecare data

8. Pin aliniere din otel
Asigură deplasarea egală a sarcinilor la plăcile laterale

9. Design complet plat
Lățimea cilindrului și a legăturii sunt egale

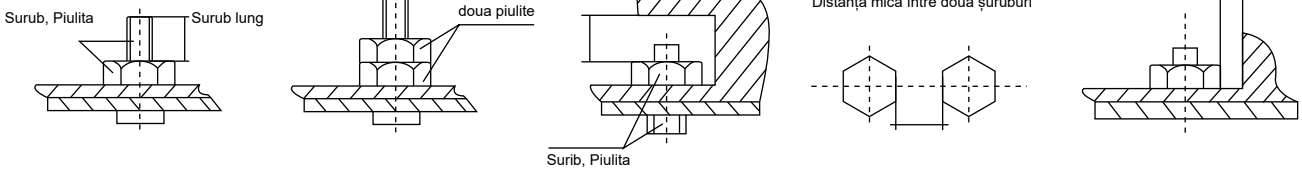
10. 360˚ x 360˚ pivot
Permite rotirea furtunului pentru toate aplicațiile

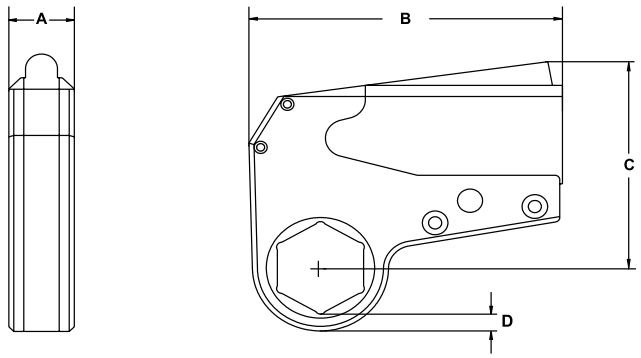
11. Etanșare piston patentată
Oferă ani de utilizare fără întreținere

12. Glisor
Previne uzura pistonului și a plăcii de acționare și reduce costul reparațiilor

UNELE SITUAȚII ÎN CARE CHEILE DINAMOMETRICE HEXAGONAL POT FI UTILIZATE

13640







1. Fara scule. Știftul poate fi ușor îndepărtat pentru a schimba caseta.
2. Raza mica pentru spatii reduse.
3. Compacte pentru locuri inaccesibile .

EGA Master
ART IN INNOVATION

	N.m	Ft.lbs	Kg	Kg	A (mm)	B (mm)	C (mm)	D (mm)	Acuratete	Repit	Ciclu		
56586	61-759	45-560	0,5	0,5	20	110	85	6	±3%	100%	100%	1	**23951.33**
56573	260-2614	192-1928	1,5	1,0-1,5	32	165	100	9	±3%	100%	100%	1	**24692.50**
56587	535-5335	395-3950	2,7	2,4-3,4	41	200	145	12	±3%	100%	100%	1	**35513.84**
56588	1125-11699	830-8630	5,0	5,5-6,5	50	260	180	14	±3%	100%	100%	1	**42277.19**
56589	2115-22503	1560-16600	7,5	9,5-13	65	330	195	17	±3%	100%	100%	1	**50021.11**
56590	4365-48335	3220-35650	12,0	13-18	80	400	240	24	±3%	100%	100%	1	**67019.71**
56591	6575-64239	4850-47380	13,0	13-8	125	430	260	24	±3%	100%	100%	1	**91305.61**

* casetele nu sunt incluse

Element hexagonal



EGA Master
ART IN INNOVATION

		mm	inch	
56594	56586		1/2"	20319.60
56595	56586	13mm		20319.60
56596	56586		9/16"	20319.60
56597	56586	14mm		20319.60
56598	56586		5/8"	20319.60
56599	56586	15mm		20319.60
56600	56586	17mm		20319.60
56601	56586		11/16"	20319.60
56602	56586	19mm	3/4"	20319.60
56603	56586		13/16"	20319.60
56604	56586	21mm		20319.60
56605	56586	22mm	7/8"	20319.60
56606	56586		15/16"	20319.60
56607	56586	24mm		20319.60
56608	56586		1"	20319.60
56609	56586	27mm	1.1/16"	20319.60
56610	56586		1.1/8"	20319.60
56611	56586	30mm	1.3/16"	20319.60
56612	56586		1.1/4"	20319.60
56613	56586	32mm		20319.60
56614	56586		1.5/16"	20319.60
56615	56586	35mm	1.3/8	20319.60
56616	56586	36mm		20319.60
56617	56586		1.7/16"	20319.60
56618	56586	38mm	1.1/2"	20319.60
56619	56586		1.9/16"	20319.60
56620	56586	41mm	1.5/8"	20319.60
56621	56586	19mm	3/4"	22939.69
56622	56573		13/16"	22939.69
56623	56573	22mm	7/8"	22939.69
56624	56573		15/16"	22939.69
56625	56573	24mm		22939.69
56626	56573		1"	22939.69
56627	56573	27mm	1.1/16"	22939.69
56628	56573		1.1/8"	22939.69
56629	56573	30mm	1.3/16"	22939.69
56630	56573		1.1/4"	22939.69
56631	56573	32mm		22939.69
56632	56573		1.5/16"	22939.69
56633	56573	35mm	1.3/8"	22939.69
56634	56573	36mm		22939.69
56635	56573		1.7/16"	22939.69
56574	56573	38mm	1.1/2"	22939.69
56636	56573		1.9/16"	22939.69
56637	56573	41mm	1.5/8"	22939.69
56638	56573		1.11/16"	22939.69

		mm	inch	
56639	56586		1.3/4"	22939.69
56640	56586	46mm	1.13/16"	22939.69
56641	56586		1.7/8"	22939.69
56642	56586	49mm	1.15/16"	22939.69
56643	56586	50mm		22939.69
56644	56586		2"	22939.69
56645	56586		2.1/16"	22939.69
56646	56586		2.1/8"	22939.69
56647	56586	55mm	2.3/16"	22939.69
56648	56586		2.1/4"	22939.69
56649	56586		2.5/16"	22939.69
56650	56586	60mm	2.3/8"	22939.69
56651	56586		2.7/16"	22939.69
56652	56586		2.1/2"	22939.69
56653	56586	65mm	2.9/16"	22939.69
56654	56587		1"	27004.36
56655	56587	27mm	1.1/16"	27004.36
56656	56587		1.1/8"	27004.36
56657	56587	30mm	1.3/16"	27004.36
56658	56587		1.1/4"	27004.36
56659	56587	32mm		27004.36
56660	56587		1.5/16"	27004.36
56661	56587	35mm	1.3/8"	27004.36
56662	56587	36mm		27004.36
56663	56587		1.7/16"	27004.36
56664	56587	38mm	1.1/2"	27004.36
56665	56587		1.9/16"	27004.36
56666	56587	41mm	1.5/8"	27004.36
56667	56587		1.11/16"	27004.36
56668	56587		1.3/4"	27004.36
56669	56587	46mm	1.13/16"	27004.36
56670	56587		1.7/8"	27004.36
56671	56587	49mm	1.15/16"	27004.36
56672	56587	50mm		27004.36
56673	56587		2"	27004.36
56674	56587		2.1/16"	27004.36
56675	56587		2.1/8"	27004.36
56676	56587	55mm	2.3/16"	27004.36
56677	56587		2.1/4"	27004.36
56678	56587		2.5/16"	27004.36
56679	56587	60mm	2.3/8"	27004.36
56680	56587		2.7/16"	27004.36
56681	56587		2.1/2"	27004.36
56682	56587	65mm	2.9/16"	27004.36
56683	56587		2.5/8"	27004.36
56684	56587		2.11/16"	27004.36

		mm	inch	
56685	56587	70mm	2.3/4"	27004.36
56686	56587		2.13/16"	27004.36
56687	56587		2.7/8"	27004.36
56688	56587	75mm	2.15/16"	27004.36
56689	56587		3"	27004.36
56690	56587		3.1/16"	27004.36
56691	56587		3.1/8"	27004.36
56692	56588		1.7/8"	36472.94
56693	56588	49mm	1.15/16"	36472.94
56694	56588	50mm		36472.94
56695	56588		2"	36472.94
56696	56588		2.1/16"	36472.94
56697	56588		2.1/8"	36472.94
56698	56588	55mm	2.3/16"	36472.94
56699	56588		2.1/4"	36472.94
56700	56588		2.5/16"	36472.94
56701	56588	60mm	2.3/8"	36472.94
56702	56588		2.7/16"	36472.94
56703	56588		2.1/2"	36472.94
56704	56588	65mm	2.9/16"	36472.94
56705	56588		2.5/8"	36472.94
56706	56588		2.11/16"	36472.94
56707	56588	70mm	2.3/4"	36472.94
56708	56588		2.13/16"	36472.94
56709	56588		2.7/8"	36472.94
56710	56588	75mm	2.15/16"	36472.94
56711	56588		3"	36472.94
56712	56588		3.1/16"	36472.94
56713	56588		3.1/8"	36472.94
56714	56588	80mm		36472.94
56715	56588		3.3/16"	36472.94
56716	56588		3.1/4"	36472.94
56717	56588		3.5/16"	36472.94
56718	56588	85mm		36472.94
56719	56588		3.3/8"	36472.94
56720	56588		3.7/16"	36472.94
56721	56588		3.1/2"	36472.94
56722	56588	90mm		36472.94
56723	56588		3.9/16"	36472.94
56724	56588		3.5/8"	36472.94
56725	56588		3.11/16"	36472.94
56726	56588	95mm	3.3/4"	36472.94
56727	56588		3.13/16"	36472.94
56728	56588		3.7/8"	36472.94
56729	56588	100mm	3.15/16"	36472.94
56730	56588		4"	36472.94
56731	56588		4.1/16"	36472.94
56732	56588	105mm	4.1/8"	36472.94

		mm	inch	
56733	56589	55mm	2.3/16"	**44589.19**
56734	56589		2.1/4"	**44589.19**
56735	56589		2.5/16"	**44589.19**
56736	56589	60mm	2.3/8"	**44589.19**
56737	56589		2.7/16"	**44589.19**
56738	56589		2.1/2"	**44589.19**
56739	56589	65mm	2.9/16"	**44589.19**
56740	56589		2.5/8"	**44589.19**
56741	56589		2.11/16"	**44589.19**
56742	56589	70mm	2.3/4"	**44589.19**
56743	56589		2.13/16"	**44589.19**
56744	56589		2.7/8"	**44589.19**
56745	56589	75mm	2.15/16"	**44589.19**
56746	56589		3"	**44589.19**
56747	56589		3.1/16"	**44589.19**
56748	56589		3.1/8"	**44589.19**
56749	56589	80mm		**44589.19**
56750	56589		3.3/16"	**44589.19**
56751	56589		3.1/4"	**44589.19**
56752	56589		3.5/16"	**44589.19**
56753	56589	85mm		**44589.19**
56754	56589		3.3/8"	**44589.19**
56755	56589		3.7/16"	**44589.19**
56756	56589		3.1/2"	**44589.19**
56757	56589	90mm		**44589.19**
56758	56589		3.9/16"	**44589.19**
56759	56589		3.5/8"	**44589.19**
56760	56589		3.11/16"	**44589.19**
56761	56589	95mm	3.3/4"	**44589.19**
56762	56589		3.13/16"	**44589.19**
56763	56589		3.7/8"	**44589.19**
56764	56589	100mm	3.15/16"	**44589.19**
56765	56589		4"	**44589.19**
56766	56589		4.1/16"	**44589.19**
56767	56589	105mm	4.1/8"	**44589.19**
56768	56589		4.3/16"	**44589.19**
56769	56589		4.1/4"	**44589.19**
56770	56589		4.5/16"	**44589.19**
56771	56589	110mm		**44589.19**
56772	56589		4.3/8"	**44589.19**
56773	56589		4.7/16"	**44589.19**
56774	56589		4.1/2"	**44589.19**
56775	56589	115mm		**44589.19**
56776	56589		4.9/16"	**44589.19**
56777	56589		4.5/8"	**44589.19**
56778	56589		4.11/16"	**44589.19**
56779	56589	120mm		**44589.19**
56780	56589		4.3/4"	**44589.19**
56781	56589		4.13/16"	**44589.19**

		mm	inch	
56782	56589		4.7/8"	**44589.19**
56783	56589	125mm		**44589.19**
56784	56589		4.15/16"	**44589.19**
56785	56589		5"	**44589.19**
56786	56589		5.1/16"	**44589.19**
56787	56589	130mm	5.1/8"	**44589.19**
56788	56589		5.3/16"	**44589.19**
56789	56589		5.1/4"	**44589.19**
56790	56589	135mm	5.5/16"	**44589.19**
56791	56590/91		3.1/8"	**80753.90**
56792	56590/91	80mm		**80753.90**
56793	56590/91		3.3/16"	**80753.90**
56794	56590/91		3.1/4"	**80753.90**
56795	56590/91		3.5/16"	**80753.90**
56796	56590/91	85mm		**80753.90**
56797	56590/91		3.3/8"	**80753.90**
56798	56590/91		3.7/16"	**80753.90**
56799	56590/91		3.1/2"	**80753.90**
56800	56590/91	90mm		**80753.90**
56801	56590/91		3.9/16"	**80753.90**
56802	56590/91		3.5/8"	**80753.90**
56803	56590/91		3.11/16"	**80753.90**
56804	56590/91	95mm	3.3/4"	**80753.90**
56805	56590/91		3.13/16"	**80753.90**
56806	56590/91		3.7/8"	**80753.90**
56807	56590/91	100mm	3.15/16"	**80753.90**
56808	56590/91		4"	**80753.90**
56809	56590/91		4.1/16"	**80753.90**
56810	56590/91	105mm	4.1/8"	**80753.90**
56811	56590/91		4.3/16"	**80753.90**
56812	56590/91		4.1/4"	**80753.90**
56813	56590/91		4.5/16"	**80753.90**
56814	56590/91	110mm		**80753.90**
56815	56590/91		4.3/8"	**80753.90**
56816	56590/91		4.7/16"	**80753.90**
56817	56590/91		4.1/2"	**80753.90**
56818	56590/91	115mm		**80753.90**
56819	56590/91		4.9/16"	**80753.90**
56820	56590/91		4.5/8"	**80753.90**
56821	56590/91		4.11/16"	**80753.90**
56822	56590/91	120mm		**80753.90**
56823	56590/91		4.3/4	**80753.90**
56824	56590/91		4.13/16	**80753.90**
56825	56590/91		4.7/8	**80753.90**
56826	56590/91	125mm		**80753.90**
56827	56590/91		4.15/16"	**80753.90**
56828	56590/91		5"	**80753.90**
56829	56590/91		5.1/16"	**80753.90**
56830	56590/91	130mm	5.1/8"	**80753.90**

		mm	inch	
56831	56590/91		5.3/16"	**80753.90**
56832	56590/91		5.1/4"	**80753.90**
56833	56590/91	135mm	5.5/16"	**80753.90**
56834	56590/91		5.3/8"	**80753.90**
56835	56590/91		5.7/16"	**80753.90**
56836	56590/91	140mm	5.1/2"	**80753.90**
56837	56590/91		5.9/16"	**80753.90**
56838	56590/91		5.5/8"	**80753.90**
56839	56590/91		5.11/16"	**80753.90**
56840	56590/91	145mm		**80753.90**
56841	56590/91		5.3/4"	**80753.90**
56842	56590/91		5 13/16"	**80753.90**
56843	56590/91		5.7/8"	**80753.90**
56844	56590/91	150mm		**80753.90**
56845	56590/91		5.15/16"	**80753.90**
56846	56590/91		6"	**80753.90**
56847	56590/91		6.1/16"	**80753.90**
56848	56590/91	155mm		**80753.90**
56849	56590/91		6.1/8"	**80753.90**
56850	56590/91		6.3/16"	**80753.90**
56851	56590/91		6.1/4"	**80753.90**
56852	56590/91	160mm		**80753.90**
56853	56590/91		6.5/16"	**80753.90**
56854	56590/91		6.3/8"	**80753.90**
56855	56590/91		6.7/16"	**80753.90**
56856	56590/91	165mm	6.1/2"	**80753.90**
56857	56590/91		6.9/16"	**80753.90**
56858	56590/91		6.5/8"	**80753.90**
56859	56590/91	170mm	6.11/16"	**80753.90**
56860	56590/91		6.3/4"	**80753.90**
56861	56590/91		6.13/16"	**80753.90**
56862	56590/91		6.7/8"	**80753.90**
56863	56590/91	175mm		**80753.90**
56864	56590/91		6.15/16"	**80753.90**
56865	56590/91		7"	**80753.90**
56866	56590/91		7.1/16"	**80753.90**
56867	56590/91	180mm		**80753.90**
56868	56590/91		7.1/8"	**80753.90**
56869	56590/91		7.3/16"	**80753.90**
56870	56590/91		7.1/4"	**80753.90**
56871	56590/91	185mm		**80753.90**
56872	56590/91		7.5/16"	**80753.90**
56873	56590/91		7.3/8"	**80753.90**
56874	56590/91		7.7/16"	**80753.90**
56875	56590/91	190mm		**80753.90**
56876	56590/91		7.1/2"	**80753.90**
56877	56590/91		7.9/16"	**80753.90**
56878	56590/91		7.5/8"	**80753.90**
56879	56590/91	195mm	7.11/16"	**80753.90**
56880	56590/91		7.3/4"	**80753.90**
56881	56590/91		7.13/16"	**80753.90**
56882	56590/91	200mm	7.7/8"	**80753.90**

TABEL DE CONVERSIE CUPLU

Bar	56586			56573			56587		56588		
	7/8" - 1 1/8" 22-28 mm	1 3/16"- 1 5/8" 29-41 mm	1 11/16"- 2" 42-50 mm	3/4"- 1 13/16" 19-46 mm	1 7/8"- 2 9/16" 47-65 mm	2 5/8"- 2 15/16" 67-75 mm	1"- 2 9/16" 25 - 65 mm	2 5/8"- 3 1/8" 66-79 mm	1 7/8"- 3 1/8" 47-79 mm	3 3/16"- 3 9/16" 80-90 mm	3 5/8"- 4 5/8" 92-117 mm
	N.M	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m
69	75	96	107	274	321	347	572	644	1080	1142	1325
83	87	112	125	326	382	412	681	766	1297	1371	1592
97	100	128	143	378	442	477	790	888	1515	1600	1858
110	112	144	160	429	503	543	898	1011	1732	1830	2124
124	125	160	178	481	563	608	1007	1133	1949	2059	2391
138	137	176	196	532	624	673	1116	1255	2166	2289	2657
152	150	192	214	586	686	740	1228	1382	2383	2519	2924
165	162	208	231	639	748	808	1341	1508	2601	2749	3191
179	174	224	249	692	811	875	1453	1635	2819	2978	3458
193	187	240	267	745	873	942	1566	1761	3036	3208	3725
207	199	256	285	799	936	1010	1679	1888	3254	3438	3992
221	211	272	302	853	999	1078	1789	2013	3470	3667	4257
234	223	287	319	907	1062	1146	1900	2137	3686	3895	4522
248	235	303	336	961	1125	1214	2010	2261	3902	4123	4787
262	247	318	353	1014	1188	1282	2121	2386	4118	4352	5052
276	259	334	371	1068	1251	1351	2232	2510	4334	4580	5317
290	272	349	388	1122	1314	1418	2340	2633	4547	4805	5578
303	284	365	406	1175	1377	1486	2449	2755	4760	5030	5840
317	296	381	423	1229	1439	1553	2558	2877	4973	5255	6101
331	308	396	440	1282	1502	1621	2667	3000	5186	5480	6362
345	321	412	458	1336	1565	1689	2775	3122	5399	5705	6624
359	333	428	475	1389	1627	1756	2885	3245	5617	5935	6890
372	345	444	493	1442	1689	1823	2994	3368	5834	6165	7157
386	357	459	510	1496	1752	1891	3104	3492	6051	6394	7423
400	370	475	528	1549	1814	1958	3214	3615	6269	6624	7690
414	382	491	545	1602	1876	2025	3323	3738	6486	6854	7957
427	394	507	563	1656	1940	2094	3435	3863	6706	7087	8227
441	406	522	580	1710	2003	2162	3546	3989	6927	7320	8498
455	418	538	598	1765	2067	2231	3657	4114	7147	7552	8768
469	431	554	615	1819	2130	2299	3769	4239	7368	7785	9038
483	443	569	633	1873	2194	2368	3880	4365	7588	8018	9309
496	455	585	650	1927	2257	2436	3988	4486	7805	8247	9575
510	467	600	667	1980	2320	2504	4096	4608	8021	8476	9840
524	479	616	684	2034	2382	2571	4204	4729	8238	8705	10106
538	491	631	701	2088	2445	2639	4312	4850	8454	8934	10372
552	503	647	719	2141	2508	2707	4420	4972	8671	9163	10637
565	515	663	736	2195	2571	2775	4533	5099	8899	9403	10917
579	528	679	754	2248	2633	2842	4646	5226	9127	9644	11196
593	540	695	772	2301	2695	2909	4758	5352	9355	9885	11476
607	553	711	790	2354	2758	2976	4871	5479	9583	10126	11755
621	565	727	807	2408	2820	3044	4984	5606	9810	10367	12035
634	577	742	825	2460	2881	3110	5095	5731	10024	10592	12297
648	589	758	842	2512	2943	3176	5206	5856	10238	10818	12559
662	601	773	859	2565	3004	3242	5318	5981	10452	11044	12822
676	613	789	876	2617	3065	3308	5429	6107	10665	11270	13084
689	625	804	893	2669	3127	3374	5540	6232	10879	11496	13346

TABEL DE CONVERSIE CUPLU

Bar	56589			56590			56591		
	2 5/8" - 3 15/16" 66 - 100mm	4" - 4 5/8" 101 - 117 mm	4 11/16" - 5 1/4" 119 - 133 mm	3 1/8" - 4 5/8" 79 - 117 mm	4 11/16" - 6 1/2" 119 - 165 mm	6 9/16" - 8" 166 - 203 mm	3 1/8" - 4 5/8" 79 - 117 mm	4 11/16" - 6 1/2" 119 - 165 mm	6 9/16" - 8" 166 - 203 mm
	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m	N.m
69	2206	2404	2813	4707	5212	5884	6160	6820	7700
83	2618	2852	3338	5602	6202	7002	7403	8196	9254
97	3029	3301	3863	6496	7192	8120	8647	9573	10808
110	3441	3749	4388	7391	8183	9238	9890	10950	12363
124	3853	4198	4913	8285	9173	10357	11134	12327	13917
138	4264	4646	5438	9180	10163	11475	12377	13703	15471
152	4675	5094	5962	10062	11140	12578	13590	15046	16987
165	5087	5542	6486	10945	12118	13681	14803	16389	18504
179	5498	5990	7010	11828	13095	14785	16016	17732	20020
193	5909	6438	7534	12710	14072	15888	17229	19074	21536
207	6320	6886	8059	13593	15050	16991	18441	20417	23052
221	6732	7335	8584	14486	16038	18107	19668	21775	24585
234	7144	7784	9109	15378	17026	19223	20895	23133	26118
248	7555	8233	9634	16271	18014	20338	22121	24491	27651
262	7967	8681	10159	17163	19002	21454	23348	25849	29185
276	8379	9130	10685	18056	19990	22570	24574	27207	30718
290	8789	9577	11207	18937	20966	23672	25795	28559	32244
303	9199	10023	11730	19819	21943	24774	27016	29911	33770
317	9609	10470	12253	20701	22919	25876	28237	31262	35296
331	10019	10917	12775	21583	23895	26978	29458	32614	36822
345	10429	11363	13298	22464	24871	28080	30679	33966	38349
359	10848	11820	13833	23350	25852	29188	31900	35318	39875
372	11268	12277	14368	24236	26833	30296	33121	36670	41402
386	11687	12735	14903	25123	27814	31403	34342	38022	42928
400	12107	13192	15438	26009	28795	32511	35564	39374	44455
414	12527	13649	15973	26895	29776	33619	36785	40726	45981
427	12952	14112	16515	27790	30767	34737	38008	42080	47510
441	13377	14576	17058	28685	31758	35856	39231	43434	49038
455	13802	15039	17600	29580	32749	36975	40454	44788	50567
469	14228	15503	18142	30475	33740	38093	41676	46142	52096
483	14653	15966	18685	31370	34731	39212	42899	47496	53624
496	15065	16415	19210	32249	35705	40312	44121	48848	55151
510	15477	16864	19735	33129	36679	41411	45343	50201	56678
524	15889	17312	20260	34009	37653	42511	46564	51553	58205
538	16301	17761	20785	34889	38627	43611	47786	52906	59732
552	16712	18210	21311	35768	39601	44711	49008	54258	61260
565	17146	18683	21864	36651	40577	45813	50230	55611	62787
579	17580	19155	22417	37533	41554	46916	51451	56964	64314
593	18014	19628	22970	38415	42531	48019	52673	58317	65842
607	18447	20101	23523	39297	43508	49122	53895	59670	67369
621	18881	20573	24076	40179	44484	50224	55117	61023	68897
634	19313	21044	24627	41064	45464	51330	56338	62374	70423
648	19745	21514	25177	41949	46443	52436	57559	63726	71949
662	20177	21985	25728	42833	47423	53542	58780	65078	73475
676	20608	22455	26278	43718	48402	54648	60001	66430	75001
689	21040	22926	26829	44603	49382	55753	61222	67781	76527

TABEL DE CONVERSIE CUPLU

P.S.I	56586			56573			56587		56588		
	7/8" - 1 1/8" 22-28 mm	1 3/16"- 1 5/8" 29-41 mm	1 11/16"- 2" 42-50 mm	3/4"- 1 13/16" 19-46 mm	1 7/8"- 2 9/16" 47-65 mm	2 5/8"- 2 15/16" 67-75 mm	1"- 2 9/16" 25-65 mm	2 5/8"- 3 1/8" 66-79 mm	1 7/8"- 3 1/8" 47-79 mm	3 3/16"- 3 9/16" 80-90 mm	3 5/8"- 4 5/8" 92-117 mm
	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs
1,000	55	71	79	202	237	256	422	475	797	842	978
1,200	64	83	92	240	282	304	502	565	957	1011	1174
1,400	74	95	105	278	326	352	582	655	1117	1180	1370
1,600	83	106	118	317	371	400	663	745	1277	1350	1567
1,800	92	118	131	355	415	448	743	836	1437	1519	1763
2,000	101	130	144	393	460	496	823	926	1597	1688	1960
2,200	110	142	158	432	506	546	906	1019	1758	1858	2157
2,400	119	154	171	471	552	596	989	1112	1918	2027	2353
2,600	129	165	184	511	598	645	1072	1206	2079	2197	2550
2,800	138	177	197	550	644	695	1155	1299	2239	2366	2747
3,000	147	189	210	589	690	745	1238	1393	2400	2536	2944
3,200	156	200	223	629	737	795	1320	1484	2559	2704	3140
3,400	165	212	235	669	783	845	1401	1576	2719	2873	3335
3,600	174	223	248	708	830	896	1483	1668	2878	3041	3531
3,800	182	235	261	748	876	946	1564	1760	3037	3210	3726
4,000	191	246	273	788	923	996	1646	1852	3197	3378	3922
4,200	200	258	286	827	969	1046	1726	1942	3354	3544	4114
4,400	209	269	299	867	1015	1096	1806	2032	3511	3710	4307
4,600	218	281	312	906	1062	1146	1887	2122	3668	3876	4500
4,800	227	292	325	946	1108	1196	1967	2212	3825	4042	4693
5,000	236	304	338	985	1154	1246	2047	2303	3982	4208	4885
5,200	245	316	351	1024	1200	1295	2128	2393	4143	4377	5082
5,400	254	327	364	1064	1246	1345	2209	2484	4303	4547	5279
5,600	264	339	376	1103	1292	1394	2289	2575	4463	4716	5475
5,800	273	350	389	1142	1338	1444	2370	2666	4623	4886	5672
6,000	282	362	402	1182	1384	1494	2451	2757	4784	5055	5869
6,200	291	374	415	1222	1431	1544	2533	2849	4946	5227	6068
6,400	300	385	428	1261	1478	1595	2615	2942	5109	5399	6267
6,600	309	397	441	1301	1524	1645	2698	3034	5272	5570	6467
6,800	318	408	454	1341	1571	1696	2780	3127	5434	5742	6666
7,000	327	420	467	1381	1618	1746	2862	3219	5597	5914	6866
7,200	336	431	479	1421	1664	1796	2942	3309	5756	6083	7062
7,400	344	443	492	1461	1711	1846	3021	3398	5916	6252	7258
7,600	353	454	505	1500	1757	1897	3101	3488	6076	6420	7454
7,800	362	466	517	1540	1804	1947	3180	3577	6236	6589	7650
8,000	371	477	530	1579	1850	1997	3260	3667	6395	6758	7846
8,200	380	489	543	1619	1896	2046	3343	3761	6564	6936	8052
8,400	389	501	556	1658	1942	2096	3426	3854	6732	7113	8258
8,600	399	512	569	1697	1988	2146	3510	3948	6900	7291	8464
8,800	408	524	582	1737	2034	2195	3593	4041	7068	7468	8670
9,000	417	536	596	1776	2080	2245	3676	4135	7236	7646	8877
9,200	426	547	608	1814	2125	2294	3758	4227	7393	7813	9070
9,400	435	559	621	1853	2170	2343	3840	4319	7551	7979	9263
9,600	443	570	634	1892	2216	2391	3922	4412	7709	8146	9457
9,800	452	582	646	1930	2261	2440	4004	4504	7866	8312	9650
10,000	461	593	659	1969	2306	2489	4086	4596	8024	8479	9844

TABEL DE CONVERSIE CUPLU

P.S.I.	56589			56590			56591		
	2 5/8" - 3 15/16" 66-100mm	4" - 4 5/8" 101-117 mm	4 11/16" - 5 1/4" 119-133 mm	3 1/8" - 4 5/8" 79 -117 mm	4 11/16" - 6 1/2" 119-165 mm	6 9/16" - 8" 166-203 mm	3 1/8" - 4 5/8" 79-117 mm	4 11/16" - 6 1/2" 119-165 mm	6 9/16" - 8" 166-203 mm
	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs	Ft.-lbs
1,000	1627	1773	2075	3472	3844	4340	4543	5030	5679
1,200	1931	2104	2462	4132	4574	5165	5460	6045	6825
1,400	2234	2435	2849	4791	5305	5989	6377	7061	7972
1,600	2538	2765	3236	5451	6035	6814	7295	8076	9118
1,800	2842	3096	3623	6111	6766	7639	8212	9092	10265
2,000	3145	3427	4011	6771	7496	8463	9129	10107	11411
2,200	3448	3757	4397	7422	8217	9277	10023	11097	12529
2,400	3752	4088	4784	8073	8938	10091	10918	12088	13648
2,600	4055	4418	5170	8724	9658	10905	11813	13078	14766
2,800	4358	4749	5557	9375	10379	11718	12707	14069	15884
3,000	4661	5079	5944	10026	11100	12532	13602	15059	17002
3,200	4965	5410	6331	10684	11829	13355	14506	16061	18133
3,400	5269	5741	6719	11342	12558	14178	15411	17062	19264
3,600	5573	6072	7106	12001	13286	15001	16316	18064	20395
3,800	5876	6403	7493	12659	14015	15824	17220	19065	21525
4,000	6180	6734	7881	13317	14744	16646	18125	20067	22656
4,200	6483	7063	8266	13967	15464	17459	19026	21064	23782
4,400	6785	7393	8652	14618	16184	18272	19926	22061	24908
4,600	7087	7722	9037	15268	16904	19085	20827	23058	26033
4,800	7389	8052	9423	15918	17624	19898	21727	24055	27159
5,000	7692	8381	9808	16569	18344	20711	22628	25052	28285
5,200	8001	8718	10203	17222	19068	21528	23528	26049	29410
5,400	8311	9055	10597	17876	19791	22345	24429	27046	30536
5,600	8620	9393	10992	18529	20515	23162	25330	28044	31662
5,800	8930	9730	11387	19183	21238	23979	26230	29041	32788
6,000	9239	10067	11781	19837	21962	24796	27131	30038	33914
6,200	9553	10409	12181	20497	22693	25621	28033	31037	35041
6,400	9866	10751	12581	21157	23424	26446	28935	32035	36169
6,600	10180	11092	12981	21817	24154	27271	29837	33034	37296
6,800	10494	11434	13381	22477	24885	28096	30739	34032	38424
7,000	10808	11776	13781	23137	25616	28921	31641	35031	39551
7,200	11111	12107	14168	23786	26334	29732	32542	36029	40677
7,400	11415	12438	14556	24435	27053	30543	33443	37026	41804
7,600	11719	12769	14943	25084	27771	31355	34344	38024	42930
7,800	12023	13100	15331	25733	28490	32166	35245	39021	44056
8,000	12326	13431	15718	26381	29208	32977	36146	40019	45183
8,200	12646	13780	16126	27032	29928	33790	37047	41017	46309
8,400	12966	14128	16534	27683	30649	34603	37949	42015	47436
8,600	13286	14477	16942	28333	31369	35417	38850	43012	48562
8,800	13606	14825	17350	28984	32090	36230	39751	44010	49689
9,000	13926	15174	17758	29635	32810	37044	40652	45008	50815
9,200	14245	15521	18164	30287	33532	37859	41553	46005	51941
9,400	14563	15868	18570	30940	34255	38675	42453	47002	53067
9,600	14881	16215	18976	31592	34977	39490	43354	47999	54192
9,800	15200	16562	19382	32245	35700	40306	44254	48996	55318
10,000	15518	16909	19788	32897	36422	41122	45155	49993	56444

56889

Pompa electrica 0.8 kW / 1.25 CP

- *unitatile EGA Master sunt fabricate pentru a functiona in medii nefavorabile, permitand reglarea presiunii pentru a asigura cuplul de iesire corect la fiecare aplicatie*
- *telecomandă pentru o utilizare usoara si un maner confortabil pentru transport.*
- *designul o face potrivita pentru lucrul in cele mai dificile medii si in cele mai exigente conditii, cum ar fi instalatiile de foraj si industria miniera*
- *porturi: 1*
- *pentru utilizare cu: 56572, 56573, 56578, 56579, 56586, 56587, 56588*
- *greutate fara ulei: 22 kg*
- *debit 8,6l / min. @ 75bar / 0,75l / min @ 700bar*
- *buton de control al presiunii*
- *telecomanda pentru actionare de la distanta: 4 m*
- *furtun hidraulic Twinline: 4 m*



EGA Master ART IN INNOVATION

	kW	litri	V		
56889	0.8	5.5	220	22000	**66401.58**

56575 / 56887

Pompa electrica 1.1 kW

- *unitatile EGA Master sunt fabricate pentru a functiona in medii nefavorabile, permitand reglarea presiunii pentru a asigura cuplul de iesire corect la fiecare aplicatie*
- *telecomandă pentru o utilizare usoara si un maner confortabil pentru transport.*
- *designul o face potrivita pentru lucrul in cele mai dificile medii si in cele mai exigente conditii, cum ar fi instalatiile de foraj si industria miniera*
- *porturi 56575: 1*
- *porturi 56887: 4*
- *pentru utilizare cu: 56572, 56573, 56578, 56579, 56580, 56581, 56582, 56583, 56586, 56587, 56588, 56589, 56590, 56591*
- *debit 11,5l/min. @ 75bar / 0,9l/min @ 700bar*
- *buton de control al presiunii*
- *telecomanda pentru actionare de la distanta: 4 m*
- *furtun hidraulic Twinline: 4 m*



EGA Master ART IN INNOVATION

	kW	litri	V		
56575	1.1	5.5	220	29000	**89821.03**
56887	1.1	7.5	220	30000	**la cerere**

56890 / 56891

Pompa pneumatica

- *unitatile EGA Master sunt fabricate pentru a functiona in medii nefavorabile, permitand reglarea presiunii pentru a asigura cuplul de iesire corect la fiecare aplicatie*
- *pompa cu actionare pneumatica pentru a fi utilizata in medii explozive sau in aplicatii in care electricitatea nu este disponibila*
- *telecomandă pentru o utilizare usoara si un maner confortabil pentru transport.*
- *designul o face potrivita pentru lucrul in cele mai dificile medii si in cele mai exigente conditii, cum ar fi instalatiile de foraj si industria miniera*
- *porturi 56890: 1*
- *porturi 56891: 4*
- *pentru utilizare cu: 56572, 56573, 56578, 56579, 56580, 56581, 56582, 56583, 56586, 56587, 56588, 56589, 56590, 56591*
- *debit 11,5l/min. @ 75bar / 0,9l/min @ 700bar*
- *buton de control al presiunii*
- *telecomanda pentru actionare de la distanta: 4 m*
- *furtun hidraulic Twinline: 4 m*



EGA Master ART IN INNOVATION

	kW	litri		
56890	4.5	7.5	33000	**la cerere**
56891	4.5	7.5	33000	**la cerere**

56893

Distribuitor cu 4 porturi

- *distribuitor cu 4 porturi*
- *pentru pompe 56885, 56575, 56890*



EGA Master ART IN INNOVATION

56893	4000	**la cerere**

710P

Rulete

- *carcasa din doua materiale*
- *cu blocare dubla, bratara de prindere si clips*
- *banda de masurare din otel cu foarte buna elasticitate*
- *marcaj producator*
- *marcaj de metrologizare*
- *clasa de precizie II*





UNIOR

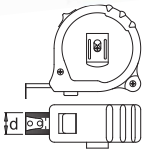
	m	ft	d				
612131	2	0	16	113	4A	10	25.57
612132	3	0	16	140	4A	10	28.36
612133	5	0	19	230	4A	10	42.46
612134	8	0	25	441	4A	10	75.25
612135	10	0	25	470	4A	10	95.41

710R

Rulete

- *carcasa plastic din doua materiale*
- *cu blocare si bratara de prindere*
- *clips*





UNIOR

	m	ft					
612789	2	0	16	95	4A	10	11.80
612790	3	0	16	140	4A	10	16.07
612791	5	0	19	230	4A	10	24.92
612792	8	0	25	340	4A	10	47.54
612793	2	6	16	96	4A	10	11.80
612794	3	10	16	110	4A	10	16.07
612795	5	16	19	230	4A	10	24.92
612796	8	26	20	370	4A	10	47.54

70594

Ruleta lunga

- *carcasa din ABS*
- *banda din fibra de sticla*
- *banda printata pe ambele parti*
- *clasa de precizie III*



KRONUS

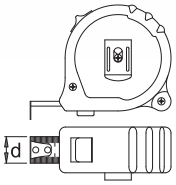
	m	ft	d				
900481	50	165	12,5	113	1A	1	66.46

7710

Rulete

- *material carcasa din doua materiale*
- *cu 3 sisteme de blocare*
- *bratara cauciucata*
- *banda metrologizata conform directivei 2004/22/EC*
- *clema pentru agatare la centura*











banda metrologizata conform directivei 2004/22/EC

KRONUS

	m	ft	d				
699902	2	0	16	89	4A	10	9.67
621764	3	0	16	99	4A	10	12.90
699905	5	0	19	178	4A	10	18.26
699908	8	0	25	364	4A	10	35.20
699910	10	0	25	464	4A	10	45.25

714

Ruleta lunga

- *carcasa de plastic din doua materiale*
- *banda de otel imbracata in invelis acrilic pentru o durata de viata mai lunga*
- *viteza de 6 ori mai mare la strangere*



UNIOR

	m	ft	d				
621525	50	165	13	1100	1A	1	219.84

70481

Ruleta

- *carcasa din ABS cu protectie de cauciuc*
- *cu 2 sisteme de blocare si bratara*
- *banda alb mat 0,105 mm*
- *clasa de precizie II*
- *bratara cauciucata*
- *banda metrologizata conform directivei 2004/22/EC*
- *clema pentru agatare la centura*



KRONUS

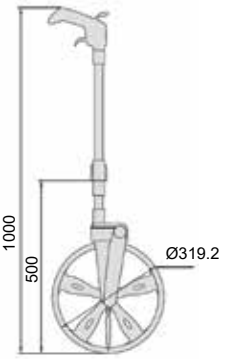
	m	ft	d				
900480	3	0	6	175	1A	1	13.48

7145-1

Roata de masura

- *cadru rezistent din ABS, cauciuc PU rezistent la intemperii*
- *maner pliabil in doua sectiuni*
- *frana si buton resetare contor pe maner*
- *suport lateral de sprijin*
- *indicator vertical*
- *contor cu buton reset*
- *include rucsac de transport*





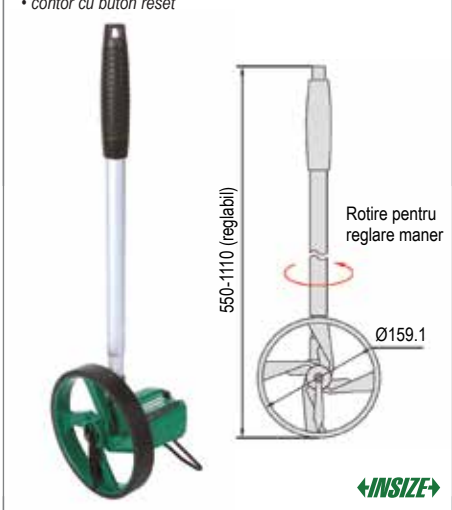
INSIZE

	m			
7145-1	0.1 - 9999.9	0.1	1880	1123.50

7144-1

Roata de masura

- *cadru rezistent din ABS, cauciuc PU rezistent la intemperii*
- *maner pliabil in doua sectiuni*
- *suport lateral de sprijin*
- *indicator vertical*
- *contor cu buton reset*



	m			
7144-1	0.1 - 9999.9	0.1	820	**499.80**

7111

Ruleta de circumferinta

- *gradatie : 0.1 mm*
- *material: otel inoxidabil*
- *scala gravata cu laser*



	Circumferinta	Acuratete	
7114-950	150-950 mm	±1.5 mm	**129.15**
7114-2200	940-2200 mm	±1.5 mm	**160.65**

710W

Metru pliabil

- *metru pliabil din lemn de fag*
- *mm - gradatii imprimate pe ambele parti*
- *clasa de precizie III*



	m	d		
609365	2	16	125	**28.11**

Perfekt 10 N

Metru lemn fag 2 m imbinari din otel si nituri vizibile, culoare natur

- *metru pliant 2 m din lemn de fag*
- *ecologic - culoare solubila in apa*
- *finisaj de suprafata multi-strat, strat superior cu acoperire UV*
- *rezistent la abraziune si exfoliere, rezistent la intemperii*
- *conexiuni fixe de otel, lubrifiate cu unsoare*
- *capetele segmentelor frezate*
- *fitinguri din alama*
- *clasa de precizie: III*





	m	d		
Perfect 10N	2	16	120	**23.77**

Profi 10 W

Metru lemn fag 2 m imbinari din otel si nituri ascunse culoare alb

- *metru pliant 2 mdin lemn de fag pentru utilizare profesionala*
- *ecologic - culoare solubila in apa, finisaj de suprafata multi-strat, strat superior cu acoperire UV*
- *rezistent la abraziune si exfoliere*
- *rezistent la intemperii*
- *nituri ascunse, conexiuni de otel de arc*
- *capetele segmentelor frezate*
- *fitinguri din alama*
- *clasa de precizie: III*
- *potrivit pentru scopuri promotionale*





	m	d		
Profi 10W	2	16	125	**29.51**

Block 52 Y

Metru lemn fag 2 m imbinari din otel si nituri vizibile, culoare gaben

- *metru pliant 2 m din lemn de fag*
- *ecologic - culoare solubila in apa*
- *finisaj de suprafata multi-strat, strat superior cu acoperire UV*
- *rezistent la abraziune si exfoliere*
- *rezistent la intemperii*
- *imbinari sferice ascunse din otel, lubrifiate, nituri alama*
- *capetele segmentelor frezate*
- *clasa de precizie: III*
- *potrivit pentru scopuri promotionale*





	m	d		
Block 52 Y	2	16	125	**26.72**

Block 71 W

Metru lemn fag 1 m imbinari din plastic si nituri vizibile otel, culoare alb

- *metru pliant 1 m din lemn de fag*
- *ecologic - culoare solubila in apa*
- *finisaj de suprafata multi-strat, strat superior cu acoperire UV*
- *rezistent la abraziune si exfoliere, rezistent la intemperii*
- *imbinari sferice ascunse, lubrifiate, din otel calit*
- *capetele segmentelor frezate*
- *clasa de precizie: III*
- *potrivit pentru scopuri promotionale*
- *articulatii plastic ascunse cu oprire peste 180°*





	m	d		
Block 71 W	1	16	65	**14.59**

Block 72 W

Metru lemn fag 2 m imbinari din plastic si nituri vizibile otel, culoare alb

- *metru pliant 2 m din lemn de fag*
- *ecologic - culoare solubila in apa*
- *finisaj de suprafata multi-strat, strat superior cu acoperire UV*
- *rezistent la abraziune si exfoliere, rezistent la intemperii*
- *imbinari sferice ascunse, lubrifiate, din otel calit*
- *capetele segmentelor frezate*
- *clasa de precizie: III*
- *potrivit pentru scopuri promotionale*
- *articulatii plastic ascunse cu oprire peste 180°*





	m	d		
Block 72 W	2	16	125	**24.26**

Slimboy HB

Metru lemn carpen 2 m imbinari din otel si nituri ascunse culoare natur

- *metru pliant din lemn selectionat de carpen*
- *finisaj de suprafata multi-strat, strat superior cu acoperire UV*
- *rezistent la abraziune si exfoliere*
- *rezistent la intemperii*
- *nituri ascunse, conexiuni de otel de arc*
- *clasa de precizie: III*





	m	d		
Slimboy HB	2	16	125	**49.84**

1279

Ac trasat / punctator

- *confectionat din otel de calitate*
- *echipat cu clip de buzunar*
- *cu varful confectionat din otel aliat de calitate care asigura o viata indelungata pe diferite suprafete dure.*



UNIOR



	Dimensiune	Lungime totala	
617692	140	140	29.51

U8000001

Ac trasat / punctator

Made in Germany

- *corp hexagonal*
- *varf din carbura*



USH GERMANY



	Dimensiune	Lungime totala	
U8000001	140	140	21.49

9600

Ac de trasat cu varf din carbura

- *cu varf de trasare din carbura si clip*



BOHRCRAFT



	Dimensiune	Lungime totala	
96001500140	140	140	18.20

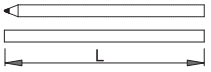
1299

Creion de tamplarie, set de 10 piese

- *confectionat din lemn de calitate*
- *grafit dur HB*



UNIOR



	Dimensiune	Lungime totala	
617724	180	180	36.59

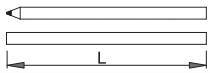
71299MIXT

Set 6 creioane diferite culori

- *potrivit pentru: piatra, sticla, lemn, metal, plastic, portelan, panza*
- *culori: rosu, verde, albastru, negru, galben, maro*
- *dimensiuni: 8.9 x 1.05 x 0.7 cm*



KRONUS



		L		
900707	6	89	113	6.15

403

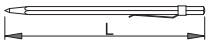
Ac de trasat cu varf din carbura

- *cu sectiune hexagonala 6 mm*
- *varf din carbura*

Made in Germany



DIAGER



	Dimensiune	Lungime totala	
403	6	140	51.80

71299HB

Set 6 creioane negre

- *potrivit pentru: piatra, sticla, lemn, metal, plastic, portelan, panza*
- *culori: negru*
- *dimensiuni: 8.9 x 1.05 x 0.7 cm*



KRONUS

		L		
900708	6	89	113	4.96

766406

Creta galbena pentru trasat

- *pentru utilizare pe suprafete uleioase, netede, umede, reci sau uscate*
- *ideala, ceramica, cauciuc, metal, hartie si carton*
- *non-toxica, rezistenta la apa*
- *lungime: 106 mm*
- *grosime: 13 mm*



KRONUS

	L	l		
766406	106	13	18	4.25

766401

Creta rosie pentru trasat

- *pentru utilizare pe suprafete uleioase, netede, umede, reci sau uscate*
- *ideala, ceramica, cauciuc, metal, hartie si carton*
- *non-toxica, rezistenta la apa*
- *lungime: 106 mm*
- *grosime: 13 mm*



KRONUS

	L	l		
766401	106	13	18	4.25

766404

Creta neagra pentru trasat

- *pentru utilizare pe suprafete uleioase, netede, umede, reci sau uscate*
- *ideala, ceramica, cauciuc, metal, hartie si carton*
- *non-toxica, rezistenta la apa*
- *lungime: 106 mm*
- *grosime: 13 mm*



KRONUS

	L	l		
766404	106	13	18	4.25

EDMARKER NOU

Creion constructori cu mina retractabila

- *permite marcarea pe o gama larga de suprafete si materiale, precum: beton, gresie, metal, lemn, parchet...*
- *material: ABS si otel inoxidabil pentru rezistenta si durabilitate.*
- *buton cu ascutitor integrat.*
- *designul ergonomic faciliteaza marcarea in zonele inguste sau prin gauri.*
- *toc practic de depozitare cu clema pentru curea.*
- *tarcaje usor de curatat.*
- *se livreaza cu un mina ø 2,8 x 120 mm, din grafit gri 2B.*
- *poate fi echipat cu mine colorate (vandute separat).*







EDMA UN OUTIL D'AVANCE

	Dimensiune		
283155	120	29	50.00

283255 NOU

Mina gri pentru EDMARKER 6 bucati

- *fabricat din grafit 2B.*
- *dimensiuni : ø 2,8 x 120 mm.*
- *potrivit pentru marcarea pe o gama largă de suprafete si materiale, cum ar fi: beton, gresie, metal, lemn, parchet...*



EDMA UN OUTIL D'AVANCE

	L	l		
283255	120	2.8	24	17.38

283355 NOU

Mine colorate pentru EDMARKER 6 bucati

- *1 mina de grafit gri 2B.*
- *5 mine colorate: alb, portocaliu, galben, albastru si rosu.*
- *dimensiuni : ø 2,8 x 120 mm.*
- *potrivit pentru marcarea pe o gama largă de suprafete si materiale, cum ar fi: beton, gresie, metal, lemn, parchet...*



EDMA UN OUTIL D'AVANCE

	L	l		
283355	120	2.8	24	17.38

764494LP

Trasator 30 m cu cretă albastra 113 g si mininivela 75 mm

- *include trasator 30 m cu creta albastra 113 g si mininivela 75 mm*
- *cretă albastră - standard interior/exterior (1 săptămână)*
- *realizat din plastic dur, cu maner ergonomic cauciucat.*
- *dotat cu mecanism strangere ata cu manivela*



KRONUS

900813	3	375	46.35

764495L

Trasator 30 m cu cretă roşie 113 g si mininivela 75 mm

- *include trasator 30 m cu creta rosie 113 g si mininivela 75 mm*
- *creta rosie - permanent exterior (pana la 2 luni)*
- *realizat din plastic dur, cu maner ergonomic cauciucat.*
- *dotat cu mecanism strangere ata cu manivela*



KRONUS

900814	3	375	46.35

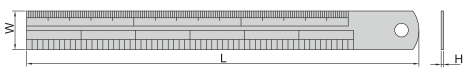
7110

Rigla semiflexibila

- *gradatii: 0.5 mm, 1 mm, 1/32", 1/16"*
- *semi-flexibila*
- *material: otel inoxidabil*

BASIC MODEL





INSIZE

	Dimensiune	Acuratete	L	W	H	
7110-150	150 mm	±0.08 mm	170	18	1	12.50
7110-200	200 mm	±0.08 mm	220	18	1	14.91
7110-300	300 mm	±0.11 mm	330	25	1	23.10
7110-500	500 mm	±0.14 mm	530	30	1.2	51.66
7110-600	600 mm	±0.15 mm	630	30	1.2	59.54
7110-1000	1000 mm	±0.20 mm	1040	32	1.5	122.85
7110-1200	1200 mm	±0.24 mm	1240	35	1.8	246.75
7110-1500	1500 mm	±0.35 mm	1550	38	1.8	304.50
7110-2000	2000 mm	±0.45 mm	2065	40	2.0	451.50

241

NOU

Rigla semiflexibila din otel inoxidabil

- *rigla din otel de arc inoxidabil, calita*
- *tip flexibila sau semiflexibila*
- *conform CE*
- *citire de la stanga la dreapta.*
- *gradatie gravată pentru o citire clara*
- *in ambalaj de plastic*



werka

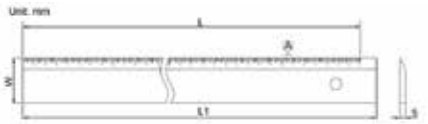
	Dimensiune	Sectiune	tip	
241-0528	150 mm	13x0.5 mm	flexibila	6.55
241-0535	200 mm	13x0.5 mm	flexibila	7.64
241-6926	300 mm / 12"	25x1 mm	semiflexibila	12.73
241-6896	500 mm	30x1 mm	semiflexibila	22.73
241-6933	600 mm / 24"	25x1 mm	semiflexibila	22.37
241-6940	1000 mm / 39'	25x1 mm	semiflexibila	52.37

7111

Rigla dreapta

- *gradatie pe fateta inclinata*
- *material: otel inoxidabil*
- *cromata*





INSIZE

	Dimensiune	Acuratete	L	W	
7111-300A	300 mm	±0.02 mm	320	40	532.35

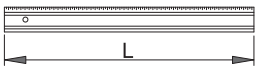
1280

Rigla gradata

- *confectionata din aluminiu acoperit argintiu profilat de sectiune 60 x 5 mm cu fateta*
- *cu gradatii pe o parte in mm*



UNIOR



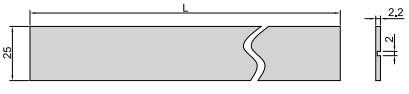
	L		
617704	500	321	106.56
617707	1000	641	163.11

7113

Rigla rigida din otel

- *gradatie pe ambele laturi - mm si inch*
- *acoperire cromare satinata*
- *rigida*





INSIZE

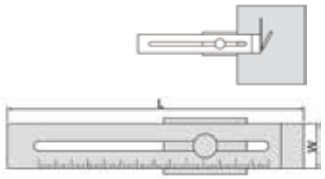
	Dimensiune	Acuratete	L	
7113-300A	300 mm	±0.15 mm	300	134.40

7120

Rigla de marcaj

- *material: otel carbon de scule, tratat termic*
- *acoperire cromare satinata*
- *cu surub de blocare a cursorului*





INSIZE

	Dimensiuni	Gradatie	Acuratete	L	W	
7120-200A	0-200 mm	0.1 mm	±0.1 mm	250	40	**280.35**
7120-250A	0-250 mm	0.1 mm	±0.1 mm	300	40	**346.50**
7120-300A	0-300 mm	0.1 mm	±0.1 mm	350	40	**393.75**

250

NOU

Rigla de marcaj

- *material: otel carbon de scule, tratat termic*
- *acoperire cromare satinata*
- *cu surub de blocare a cursorului*
- *ambalat în cutie de carton*



werka

	Dimensiune	Gradatie	
250-1600	0-200 mm	0.1 mm	**103.83**
250-1617	0-250 mm	0.1 mm	**113.47**
250-1624	0-300 mm	0.1 mm	**122.92**

40-1P

Raportor de lemn

- *se utilizeaza la copierea de unghiuri si transferul lor prin copiere pe semifabricate de lemn*



Finie www.pinie.cz

	Dim.	L	H	I	G	
40-1P	0°-340°	350	50	24	250	**88.62**

2281-360

NOU

Raportor 15°, 30°, 45°, 60°, 90°

- *precizia unghiului ±1°*
- *flacon usor de citit*
- *lama se poate misca si poate fi blocata cu surubul de strangere*
- *lama din otel inoxidabil*
- *maner dur din cauciuc*
- *gradatii centimetri/inci*



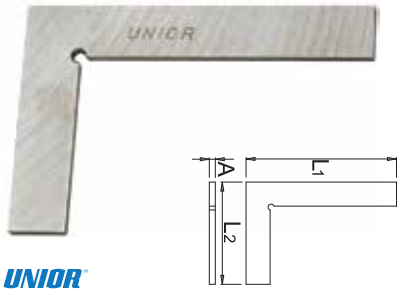
INSIZE

	dimensiuni	acuratete	
2281-360	15°, 30°, 45°, 60°, 90°	± 1°	**117.60**

1260/7

Echere

- *material: confectionat din otel*
- *masuara suprafete de asezare*
- *acuratete: 0,01425° = 0,25mm/m*



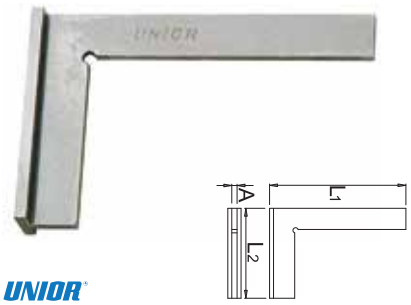
UNIOR

	L1	L2	A				
610730	125	85	5	140	1E	10	**98.20**
610731	150	100	5	205	1E	10	**115.74**
610732	200	130	5	385	1E	10	**123.28**
610733	250	165	5	500	1E	10	**157.70**
610734	300	200	5	575	1E	10	**174.92**

1260/7A

Echere cu talpa

- *material: confectionat din otel*
- *masuara suprafete de asezare*
- *acuratete: 0,01425° = 0,25mm/m*
- *talpa este prinsa de bratul scurt*



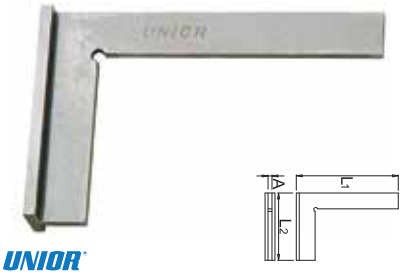
UNIOR

	L1	L2	A				
610736	150	100	5	205	1E	10	**209.34**
610738	250	165	5	500	1E	10	**282.46**
610739	300	200	5	575	1E	10	**304.75**

1262/5A

Echer de tamplarie cu talpa

- *material: onfectionat din otel*
- *acoperire:zincare*
- *precizie: +/- 0,0285° = 0,5mm/m*
- *talpa este prinsa de bratul scurt*



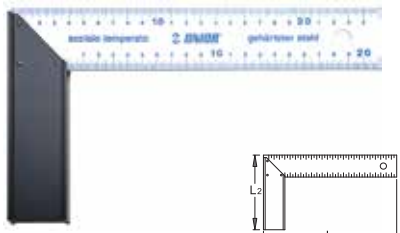
UNIOR

	L1	L2	A				
617154	125	85	5	140	1E	10	**101.15**
617155	150	100	5	205	1E	10	**121.15**
617156	200	130	5	385	1E	10	**139.67**
617157	250	160	5	500	1E	10	**164.59**
617158	300	175	5	470	1E	10	**184.92**

1263

Echer

- *latura de masurare confectionata din otel rapid tratat termic, 40×1,2mm, cu gradatii - mm*
- *suportul talpii este confectionat din profil de aluminiu acoperit negru , forma- I 40×14mm*
- *precizie: 0,5mm/m*



UNIOR

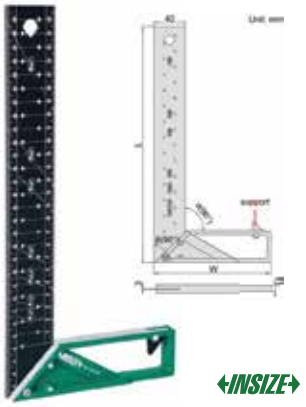
	L1	L2				
617693	250	135	205	1E	10	**84.43**
617694	300	135	225	1E	10	**86.07**
617695	350	190	300	1E	10	**92.13**
617696	400	190	315	1E	10	**95.41**
617697	500	210	370	1E	10	**106.23**

2280-300

NOU

Echer

- *gradadii: 1 mm*
- *lama si baza din aluminiu*
- *suprafate frezata pe 4 parti*
- *suport metalic retractabil*
- *marcaje gravate si gauri pentru marcare: 10°, 15°, 22.5°, 30°, 45°, 50° si 60°*



INSIZE

	dimensiuni	acuratete	
2280-300	300 x 150 mm	0.5 mm	**250.95**

2282-180 NOU

Echer multifunctional din plastic

- *gama lungimi: 0-180 mm, gradatii 1/8"*
- *gama unghiuri: 0-90°, gradatii: 1°*

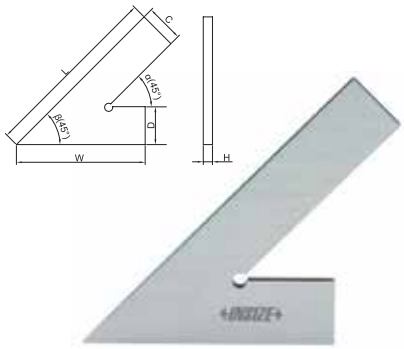


	dimensiuni	acuratete	
2282-180	180 x 185 mm	± 3º	**57.33**

4745

Echer la 45º

- *material: otel inoxidabil, tratat termic*

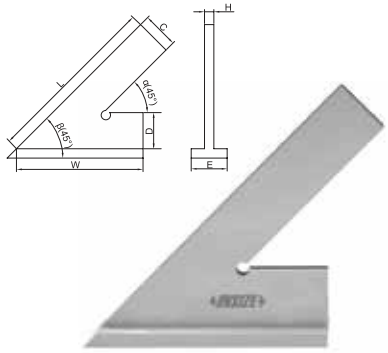


	Dimensiune	interior	exterior	C	D	H	
4745-1120	120x80	29 µm	32 µm	20	20	5	**220.50**
4745-1150	150x100	32 µm	35 µm	20	20	5	**268.80**
4745-1200	200x130	36 µm	40 µm	20	25	5	**429.45**

4747

Echer la 45º cu talpa

- *material: otel inoxidabil, tratat termic*



	Dimensiune	interior	exterior	C	D	H	
4747-120	120x80	29 µm	33 µm	20	20	5	**366.45**
4747-150	150x100	32 µm	36 µm	20	20	5	**397.95**
4747-200	200x130	36 µm	41 µm	20	25	5	**558.60**

240 NOU

Echer la 45º

- *echer în unghi ascutit 45°, fara talpa*
- *in conformitate cu DIN875/2*
- *fabricat din otel inoxidabil, tratat termic*
- *marcare cu logo-ul si dimensiunile pe latura lunga*
- *livrat in ambalaj de carton*



	Dimensiune	Dimensiune	
240-2034	100x70 mm	20x5 mm	**116.26**
240-2041	120x80 mm	20x5 mm	**126.12**
240-2058	150x100 mm	20x5 mm	**145.28**
240-2065	200x130 mm	20x5 mm	**178.93**
240-2072	250x160mm	20x5 mm	**261.92**
240-2089	300x200mm	30x6 mm	**333.11**

240 NOU

Echer la 45º cu talpa

- *echer în unghi ascutit 45°, cu talpa*
- *in conformitate cu DIN875/2*
- *fabricat din otel inoxidabil, tratat termic*
- *marcare cu logo-ul si dimensiunile pe latura lunga*
- *livrat in ambalaj de carton*



	Dimensiune	Dimensiune	
240-2096	100x70 mm	20x5 mm	**135.80**
240-2102	120x80 mm	20x5 mm	**145.28**
240-2119	150x100 mm	20x5 mm	**174.68**
240-2126	200x130 mm	20x5 mm	**245.87**
240-2133	250x160 mm	20x5 mm	**325.18**
240-2140	300x200 mm	30x6 mm	**374.50**

2276-300

Echer combinat

- *cap echer (realizat din zinc):*
- *pentru fixarea lamei la 90º sau 45º pe marginea piesei*
- *acuratete: ±0.5º*
- *lama (realizata din otel inoxidabil)*
- *scala: 12" / 300 mm*
- *gradatii 1 mm pe partea frontala si pe spate*

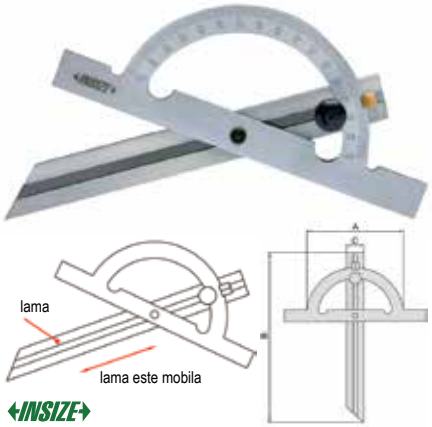


	Scala	Acuratete	L	
2276-300	300	±0.5º	300	**90.51**

4797

Raportor

- *material: otel inoxidabil*
- *scala satina cromata*
- *cu surub de fixare*
- *lama mobila*



	Dimensiune	Scala	Gradatii	Acuratete	
4797-150	150x300 mm	10º-170º	1º	± 0.3º	**386.40**
4797-200	200x400 mm	10º-170º	1º	± 0.3º	**472.50**
4797-250	250x500 mm	10º-170º	1º	± 0.3º	**708.75**
4797-300	300x600 mm	10º-170º	1º	± 0.3º	**871.50**

4799

Raportor

- *material: otel inoxidabil*
- *scala satina cromata*
- *cu surub de fixare*



	Dimensiune	Scala	Gradatii	Acuratete	L	C	
4799-180	80x120	0º-180º	1º	±0.3º	168	11	**206.85**
4799-1120	120x150	0º-180º	1º	±0.3º	220	14	**236.25**
4799-1150	150x200	0º-180º	1º	±0.3º	285	16	**308.70**
4799-1200	200x300	0º-180º	1º	±0.3º	413	20	**395.85**
4799-1300	300x500	0º-180º	1º	±0.3º	675	30	**655.20**

242 NOU

Raportor

- *raportor pentru masurarea 1-180°, gradatia 1°*
- *fabricat din otel carbon*
- *lama mobila*
- *finisaj cromat satinat, cu surub de blocare*
- *ambalat in husa moale*

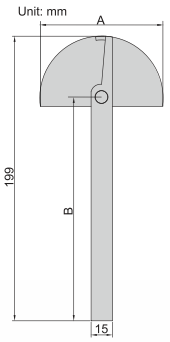


	Dimensiune	Scala	Gradatii	
242-0597	80x120 mm	0º-180º	1º	**85.83**
242-0603	120x150 mm	0º-180º	1º	**100.19**
242-0610	150x200 mm	0º-180º	1º	**116.19**
242-0627	200x300 mm	0º-180º	1º	**159.29**
242-0634	300x500 mm	0º-180º	1º	**320.58**
242-0641	400x600 mm	0º-180º	1º	**417.31**

4780-85A

Raportor

- *material: otel inoxidabil*
- *scala cromare satinata*
- *cu surub de fixare*





INSIZE

	Dimensiune	Scala	Gradatii	Acuratete	
4780-85A	85x150	0º-180º	1º	± 0.3º	**88.20**

4700

Rigla planeitate

- *in conformitate cu DIN 874*
- *acoperire cromare satinata*
- *cu muchie tesita*
- *material: otel inoxidabil, tratat termic*





INSIZE

	Dimensiune	Acuratete	W	H	
4700-150	150 mm	2.6 µm	6	30	**245.70**
4700-200	200 mm	2.8 µm	6	30	**307.65**
4700-300	300 mm	3.2 µm	8	40	**581.70**
4700-400	400 mm	3.2 µm	8	40	**1270.50**

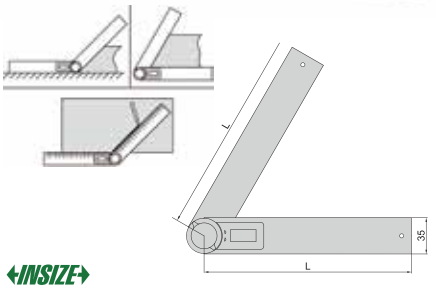
In gama producatorului exista si alte lungimi; lungimea maxima 500 mm

2176

Raportor digital

- *butoane: on/off, zero*
- *cu surub pentru blocare*
- *gradatie lama: 1 mm si 1/32"*
- *baterie: CR2032*
- *oprire automata daca nu este utilizat*





INSIZE

	Dimensiune	Scala	Rezolutie	Acuratete	
2176-200	200	0º-360º	0.1º	± 0.3º	**243.60**
2176-300	300	0º-360º	0.1º	± 0.3º	**267.75**

242 NOU

Raportor

- *raportor pentru măsurarea 1-180°, gradatia 1°.*
- *fabricat din otel carbon*
- *lama mobila*
- *placa dreptunghiulara*
- *finisaj cromat satinat, cu surub de blocare*
- *ambalat in husa moale*



werka

	Dimensiune	Scala	Gradatii	
242-0580	85x150	0º-180º	1º	-

241 NOU

Rigla de precizie pentru planeitate

- *rigla de precizie pentru planeitate*
- *in conformitate cu DIN874/00*
- *fabricat din otel inoxidabil, tratat termic*
- *cromat satinat mat*
- *marginea inclinata rectificata fin si lepuita*
- *cu maner de izolatie negru*
- *ambalat in punga moale*



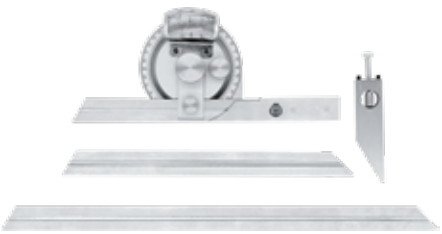
werka

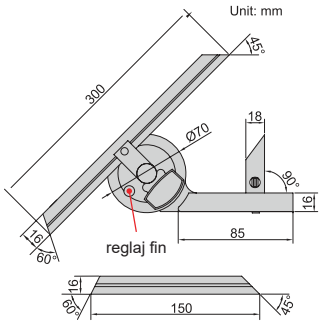
	Dimensiune	L	a	h	
241-1471	100 mm	100	5	20	**91.28**
241-1488	125 mm	125	5	20	**99.46**
241-1495	150 mm	150	6	25	**128.19**
241-1501	200 mm	200	6	25	**144.56**
241-1518	300 mm	300	8	35	**276.57**
241-1525	400 mm	400	8	35	**379.31**
241-1532	500 mm	500	10	42	**559.69**
241-1549	600 mm	600	10	42	**968.82**

242 NOU

Raportor universal cu lupa

- *raportor universale cu lupa*
- *fabricat din otel inoxidabil*
- *gradatie marcata cu laser*
- *toate fețele de masurare sunt calite si slefuite*
- *cu ajustare fina, luneta reglabila*
- *baza cu unghi ascutit ca accesoriu standard*
- *domeniul de masurare 360º, citire 5', precizie ±5'*
- *ambalat in cutie de carton*
- *include 3 rigle, 150, 200 si 300 mm*







rigla 150 mm (inclusa)

werka

	Dimensiune	Acuratete	Gradatii	
242-0504	0º-360º	±5'	5º	**701.89**

242 NOU

Raportor 10-170°, gradatie 1°

- *raportor pentru măsurarea 10-170°, gradatia 1°.*
- *fabricat din otel carbon*
- *lama mobila*
- *finisaj cromat satinat, cu surub de blocare*
- *ambalat in husă moale*



werka

	Dimensiune	Scala	Gradatii	
242-0658	100x150	10º-170º	1º	**174.29**
242-0665	150x300	10º-170º	1º	**208.14**
242-0672	200x400	10º-170º	1º	**253.41**
242-0689	250x500	10º-170º	1º	**358.84**
242-0696	300x600	10º-170º	1º	**448.98**

6104 NOU

Raportor digital

- *fabricat din otel inoxidabil*
- *scala mm / inch, citire: 1 mm, 1/32""*
- *afisaj LCD, oprire automata*
- *ON / OFF, Reset*
- *cu mecanismul de blocare, baterie: 3V CR2032*
- *temperatura de functionare: 0º ~ +50º*
- *cu gauri de agatat*
- *livrat cu un manual, cutie colorata*



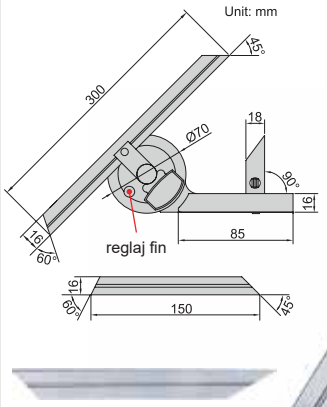
werka

	Dimensiune	Scala	Gradatii	Acuratete	
6104-200D	200 mm	0º-360º	0.1º	± 0.3º	**166.93**
6104-300D	300 mm	0º-360º	0.1º	± 0.3º	**190.02**

2372

Raportor universal cu lupa

- *rigla paralela culiseaza liber si se roteste pentru a se aseza pe supafata al carui unghi trebuie masurat, apoi se blocheaza*
- *se livreaza cu rigla de 150 mm*
- *material: otel inoxidabil*



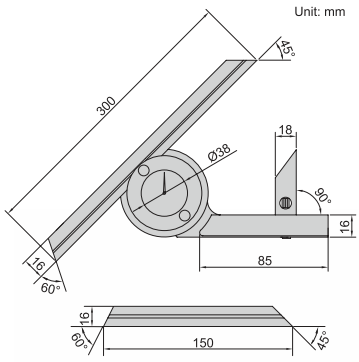
rigla 150 mm (inclusa)

	Scala	Gradatie	Acuratete	
2372-360	0°-360°	5'	±5'	**912.45**

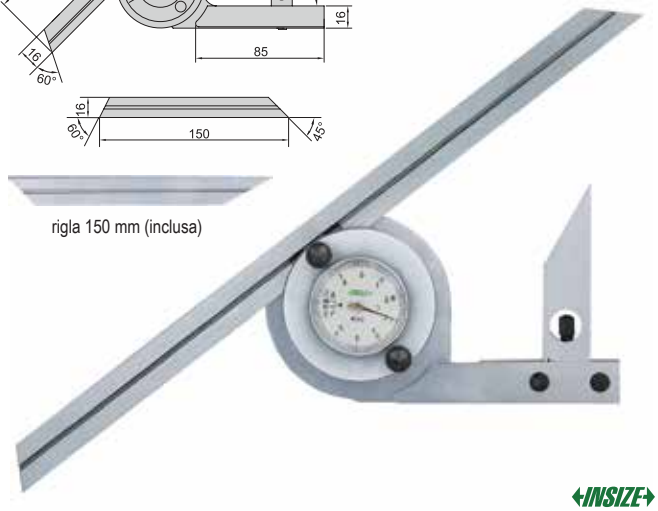
2373

Raportor universal cu cardan 0°-360°

- *rigla paralela culiseaza liber si se roteste pentru a se aseza pe suprafata al carui unghi trebuie masurat, apoi se blocheaza*
- *se poate prinde inclema (cod 2372-CLAMP) dispozitivului de trasat 1156 sau 1351*
- *material: otel inoxidabil*



rigla 150 mm (inclusa)

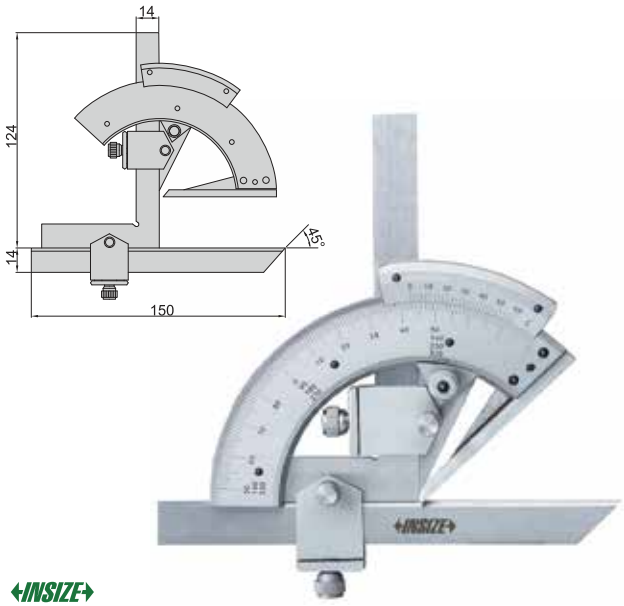


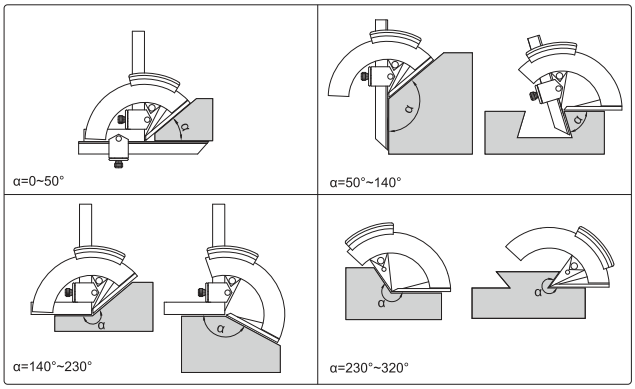
	Scala	Gradatie	Acuratete	
2373-360	0°-360°	5'	±5'	**1186.50**

2374

Raportor universal

- *material: otel inoxidabil*
- *acoperire cromare satinata*





	Scala	Gradatie	Acuratete	
2374-320	0-320°	2'	±2'	**857.85**

242-0644 NOU

Raportor universal cu vernier

- *raportor cu vernier*
- *fabricat din otel inoxidabil*
- *cu reglare fina*
- *cromat satinat*
- *combinatie multipla de metode de masurare*



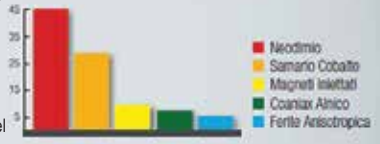
	Dimensiune	Acuratete	Gradatii	
242-0644	0-320°	±2	2'	**619.52**

CARE ESTE MOTIVUL PENTRU CARE NIVELA KAPPA ESTE MAI USOR DE FOLOSIT?

Posibilitatea de **A CITI RAPID SI EXACT**. Fiolele Kappa au cel mai mare efect de lupa de pe piata.
Cu fiolele Kappa se evita efectul de dublare a bulei.
Compara singur!



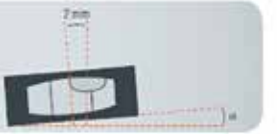
Magneti confectionati dintr-un material special, **NEODIM**, fac ca produsele sa fie cele mai avansate din punct de vedere tehnologic care se gasesc pe piata de profil. Magnetii neodim au o putere **DE 10 ORI MAI MARE** decat materialele magnetice traditionale. Magnetii neodim ai niveleleor Kappa sunt pozitionati in interiorul profilului, suprafata nivelei ramanand intotdeauna perfect plata, astfel prelungindu-se perioada de viata a magnetului!



Vizibilitatea este imbunatattita datorita **BENZII LUMINISCENTE** chiar si in conditii de luminozitate reduse! Nu uitati sa fiti intotdeauna prietenosi cu natura!



Cum **REACTIONEAZA BULA** cand se modifica pozitia planului? Sensibilitatea fiolelor noastre determina, la fiecare 36 min 11.5 sec ca bula **SA SE MISTE 2 MM**.



Capacele antisoc ofera **REZISTENTA PERFECTA** pentru a absorbi orice impact. Kappa produce nivele cu tot cu capetele antisoc ceea ce inseamna ca si in urma unor impacturi puternice probabilitatea ca ele sa ramana intacte este foarte mare.

040E

Nivela aluminiu clasica ProLevel

- *structura din aluminiu de inalta calitate, rezistent*
- *grosime: 1,2 mm*
- *clasa de precizie 0,5 mm/m*
- *sectiune dreptunghiulara*
- *protectie electrostatica*
- *cu doua bule (verticala si orizontala)*
- *cu bule fosforescente*
- *bule cu efect de lupa*
- *bule cu lichid nealterabil*
- *bule antisoc*
- *bule cu inscriptionare aplicata (metalica)*
- *cu capate antisoc drepte*



kappa by JAP

	L		
040E030	300	210	189.30
040E040	400	264	204.18
040E050	500	324	221.09
040E060	600	490	239.31
040E080	800	541	269.27
040E100	1000	757	329.30

040EM

Nivela aluminiu clasica ProLevel cu magnet

- *structura din aluminiu de inalta calitate, rezistent*
- *grosime: 1,2 mm*
- *clasa de precizie 0,5 mm/m*
- *sectiune dreptunghiulara*
- *cu magnet*
- *cu doua bule (verticala si orizontala)*
- *cu bule fosforescente*
- *bule cu efect de lupa*
- *bule cu lichid nealterabil*
- *bule antisoc*
- *bule cu inscriptionare aplicata (metalica)*
- *cu capate antisoc drepte*



kappa by JAP

	L		
040EM40	400	298	297.51
040EM50	500	352	321.91
040EM60	600	400	348.63
040EM80	800	499	514.65
040EM100	1000	575	652.83

042AA

Nivela zidarie INDAR

- *corp din aluminiu turnat*
- *suprafata de masurare frezata pentru precizie maxima de masurare*
- *clasa de precizie 0,5 mm/m*
- *sectiune profilata*
- *protectie electrostatica*
- *cu doua bule (verticala si orizontala)*
- *cu bule fosforescente*
- *bule cu efect de lupa*
- *bule cu lichid nealterabil*
- *bule antisoc*
- *bule cu inscriptionare aplicata (metalica)*
- *cu capate antisoc drepte*



kappa by JAP

	L		
042AA40	400	490	354.71
042AA50	500	550	406.44
042AA60	600	600	437.51

042AM

Nivela zidarie cu magnet INDAR

- *corp din aluminiu turnat*
- *suprafata de masurare frezata pentru precizie maxima de masurare*
- *clasa de precizie 0,5 mm/m*
- *sectiune profilata*
- *cu magnet*
- *cu doua bule (verticala si orizontala)*
- *cu bule fosforescente*
- *bule cu efect de lupa*
- *bule cu lichid nealterabil*
- *bule antisoc*
- *bule cu inscriptionare aplicata (metalica)*
- *cu capate antisoc drepte*
- *magneti de neodim*



kappa JAP

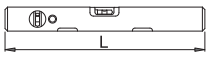
	L		
042AM40	400	490	462.72
042AM50	500	550	507.06
042AM60	600	600	551.19

1250

Nivele de aluminiu

- *profil de aluminiu de calitate, dimensiune 48x22 mm*
- *eloxat argintiu*
- *prevazute cu bule rezistenta la soc*
- *precizia de 0.5 mm/m*
- *acuratete prin testare electronica*





UNIOR

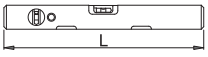
	L				
610716	300	220	1K	10	**88.08**
610717	400	270	1K	10	**100.36**
610718	500	340	1K	10	**114.57**
610719	600	380	1K	10	**118.83**
610720	800	510	1K	10	**137.91**
610721	1000	600	1K	10	**157.07**
610722	1200	680	1K	10	**188.16**
610723	1500	900	1K	10	**224.55**
610724	2000	1200	1K	10	**282.83**

1252

Nivele de aluminiu cu bula de aer si cu magnet

- *profil de aluminiu de calitate, dimensiune 48x22 mm*
- *eloxat argintiu*
- *prevazute cu bule rezistenta la soc*
- *precizia de 0.5 mm/m*
- *acuratete prin testare electronica*
- *suprafata de masurare este echipata cu doi magneti*





UNIOR

	L				
610725	400	530	1K	10	**172.72**
610726	500	580	1K	10	**183.91**
610727	600	640	1K	10	**201.14**
610728	800	820	1K	10	**208.96**
610729	1000	1080	1K	10	**309.19**



70024

Mininivela cu 3 bule TORPEDO

- *material: polipropilena*
- *lungime: 230 mm*
- *3 bule: 0°, 45°, 90°*
- *capete TPR antisoc*
- *gauri pentru agatare*
- *dimensiuni: 230 x 40 x 18,5 mm*
- *cu magnet*



KRONUS Professional Quality

90° 45° 0°

	L		
70024	230	90	**16.55**

19003

Nivela Boa cu trei muchii Tri-Level™

- *conceptul inovator Tri-Level al BOA se bazeaza pe un profil de sectiune de inalta stabilitate*
- *latimea bazei "V" si centrul de greutate redus o mentin stabila in conditiile meteorologice cele mai nefavorabile si permite mentinerea mainilor libere in timpul lucrarilor la conducte si structuri din otel*
- *profilele de colt pot fi verificate si ajustate usor (simultan)*
- *fiecare nivel Tri-Level este dotat cu bule de tip bloc, indestructibile.*
- *manerul incorporat permite o manevrare usoara, iar atunci cand este folosit ca o linie dreapta de taiere, si este proiectat pentru a mentine lama cutitului in siguranta deplina, departe de degete*
- *profilul din aluminiu de 1,8 mm face din Tri-Level BOA una dintre cele mai rigide si robuste nivele de pe piata*
- *nivela permite masurarea, taierea si ruperea gips-cartonul (Dry-Wall) intr-o singura miscare usoara, deoarece baza stabila si profilul de 1,8 mm este suficient de puternic pentru a realiza presiunea necesara*
- *clasa de precizie precizie de 0.5 mm/m*
- *scala de masurare dubla in mm si inch*



Patented
Winner
Worlds 1st Leading Technology
Guarantee

boa









	L		
19003/40	400 (16")	640	**179.61**
19003/60	600 (24")	960	**257.65**
19003/90	900 (36")	1440	**308.73**
19003/120	1200 (48")	1920	**383.74**
19003/180	1800 (72")	2880	**576.32**

19003

Stand nivele Boa cu trei muchii Tri-Level™



boa

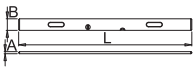
	Dimensiune	Ambalare	
19003/Display	15 piese **19003** (3x400, 3x600, 3x900, 3x1200, 3x1800)	1	**5118.15**

1272

Dreptare de zidarie

- *profil special de aluminiu*
- *cu doua manere si doua bule*
- *utilizat pentru lucrari de fatade, pavaje,suprafete denivelate, in primul rand pentru lucrari in constructii mai usoare si mai precise.*





UNIOR

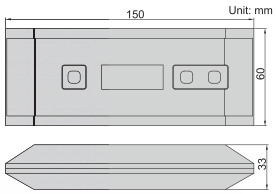
	L	B	A				
610751	1000	100	18	900	1K	10	**258.85**
610752	1500	100	18	1350	1K	10	**299.67**
610753	2000	100	18	1800	1K	10	**340.33**
610754	2500	100	18	2300	1K	10	**385.41**
610755	3000	100	18	2700	1K	5	**442.79**
610756	4000	100	18	3600	1K	5	**557.21**



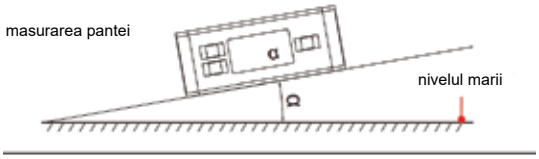
2179-360

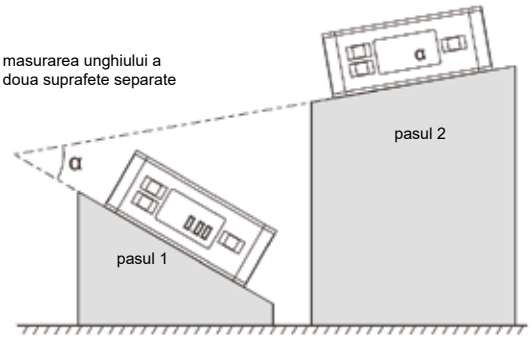
Nivela si raportor digital

- *rama din aluminiu*
- *baza magnetica cu canal in V pentru suprafete cilindrice*
- *setarea zero poate fi făcută pe suprafețe plane*
- *butoane: ON/ OFF, ZERO, HOLD (sa tina minte valoarea masurata)*
- *alimentare 2 x AAA*
- *se inchide automat daca nu este folosita*









INSIZE

	Dimensiune	Acuratete	Rezolutie	
2179-360	360° (4 x 90°)	±la 0° si 90°, 0.1 mm	0.05° (=10.873 mm/m)	**992.25**

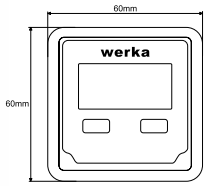
6103-02

NOU

Nivela si raportor digital

- *potrivit pentru masurarea inclinatiei si a unghiului*
- *fabricat din aliaj Al, cu magneti*
- *masurare inversa disponibila*
- *oprire automata, 1 baterie AAA*
- *temperatura de functionare: 0° ~ +50°*
- *livrat cu un manual, cutie colorata*
- *butoane ON / OFF, Reset*





werka

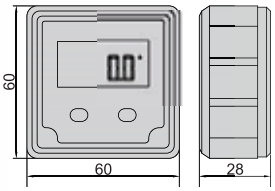
	Dimensiune	Acuratete	Rezolutie	
6103-02	4 x 90°	0,1'	0,1'	**231.84**

2170

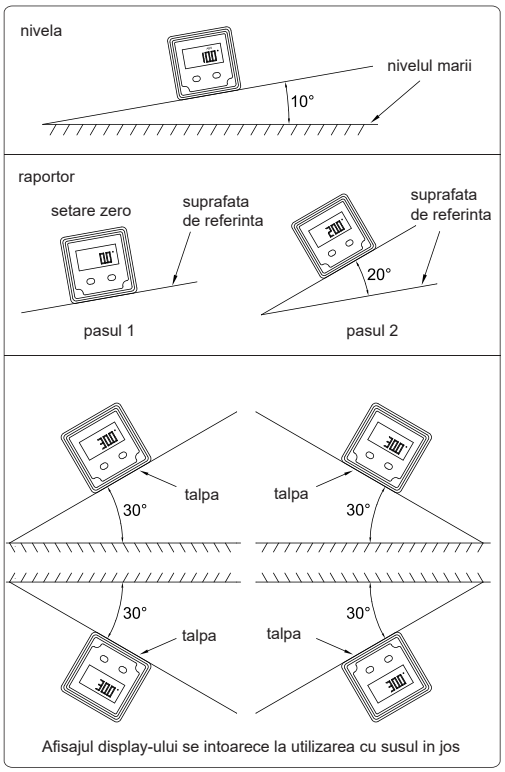
Nivela si raportor digital

- *rama din aluminiu*
- *baza magnetica*
- *afisajul se intoarce, atunci cand partea de jos este indreptata in sus*
- *lumina de fundal este activata automat atunci cand produsul este in uz si se intrerupe automat daca nu este folosita 15 minute*
- *nivelul este setat permanent de cip, setarea zero nu este necesara atunci cand bateria este inlocuita*
- *butoane: on/off, zero, masurari absolute si incrementale*
- *o baterie AAA*
- *se inchide automat daca nu este folosita 5 minute*





BACKLIGHT | ABSOLUTE LEVEL | MAGNETIC BOTTOM | DISPLAY FLIPS OVER WHEN THE BOTTOM FACES UP



INSIZE

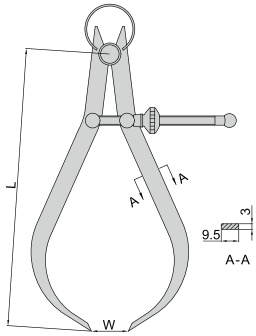
	Dimensiune	Acuratete	Rezolutie	
2170-1	4 x 90°	±0.1 mm	0.1° (=1.745 mm/m)	**396.90**

7262

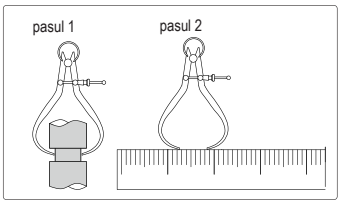
Compas de exterior cu inel si surub de reglare

- *material: otel carbon de scule*
- *varfuri tratate termic*









INSIZE

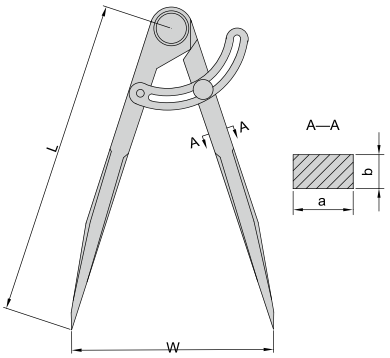
	Dimensiune	Tip	Deschidere	
7262-150	155 mm	A	0-140 mm	**103.64**
7262-200	210 mm	A	0-210 mm	**116.55**
7262-250	265 mm	A	0-270 mm	**164.85**
7262-300	310 mm	A	0-320 mm	**185.85**

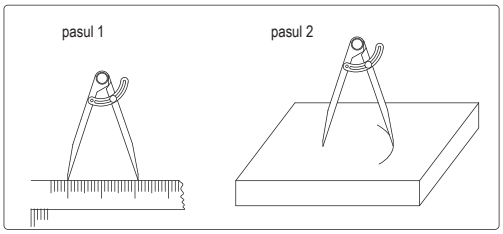
7247

Compas mecanic cu aripa de blocare

- *material: otel carbon de scule*
- *varfuri tratate*







INSIZE

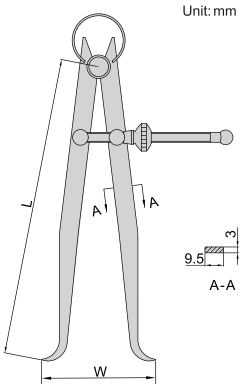
	Dimensiune	Deschidere	a	b	
7247-150	150 mm	0-140 mm	8.5	7	**72.87**
7247-200	200 mm	0-190 mm	10	7	**90.62**
7247-300	300 mm	0-290 mm	12	7	**135.45**

7261

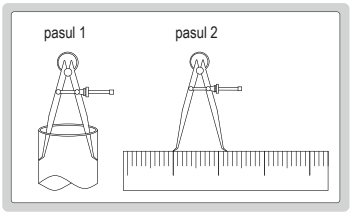
Compas de interior cu inel si surub de reglar

- *material: otel carbon de scule*
- *varfuri tratate*









INSIZE

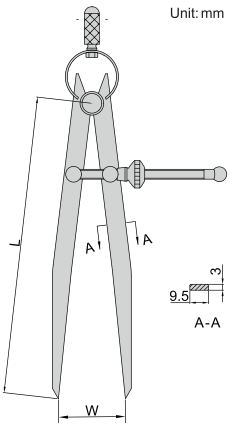
	Dimensiune	Tip	Deschidere	
7261-150	150 mm	A	15-140 mm	**103.22**
7261-200	200 mm	A	18-190 mm	**116.55**
7261-250	250 mm	A	20-240 mm	**154.35**
7261-300	300 mm	A	20-290 mm	**172.20**

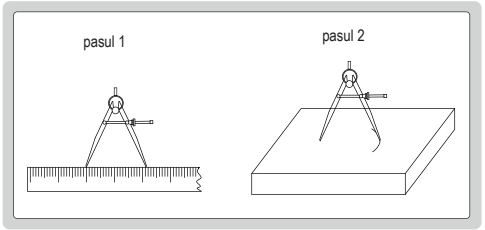
7260

Compas de trasat cu inel si surub de reglare

- *material: otel carbon de scule*
- *varfuri tratate*







INSIZE

	Dimensiune	Tip	Deschidere	
7260-150	150 mm	A	0-150 mm	**103.43**
7260-200	200 mm	A	0-210 mm	**116.55**
7260-250	245 mm	A	0-260 mm	**154.35**
7260-300	300 mm	B	0-320 mm	**172.20**

257 NOU

Compas de trasat cu aripa de blocare

- *fabricat din otel carbon de scule, forjat*
- *articulatie nituita*
- *varfuri tratate termic*
- *cu aripă de reglare*
- *livrat in ambalaj din plastic*



werka

	Dimensiune	
257-2003	150 mm	**45.64**
257-2010	200 mm	**51.46**
257-2027	300 mm	**69.64**

257 NOU

Compas de interior cu inel si surub de reglare

- *fabricat din otel carbon de scule, forjat*
- *varfuri tratate termic*
- *surub de reglare cu actionare rapida*
- *livrat in ambalaj din plastic*



werka

	Dimensiune	
257-1945	150 mm	**44.00**
257-1952	200 mm	**47.28**
257-1969	300 mm	**58.37**

257 NOU

Compas de trasat cu inel si surub de reglare

- *fabricat din otel carbon de scule, forjat*
- *varfuri tratate termic*
- *surub de reglare cu actionare rapida*
- *livrat in ambalaj din plastic*



werka

	Dimensiune	
257-1914	150 mm	**44.00**
257-1921	200 mm	**47.28**
257-1938	300 mm	**58.37**

257 NOU

Compas de exterior cu inel si surub de reglare

- *fabricat din otel carbon de scule, forjat*
- *varfuri tratate termic*
- *surub de reglare cu actionare rapidă*
- *livrat in ambalaj din plastic*



werka

	Dimensiune	
257-1976	150 mm	**44.00**
257-1983	200 mm	**47.28**
257-1990	300 mm	**58.37**

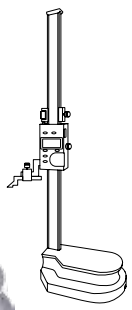
216 NOU

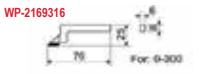
Dispozitiv digital de trasat

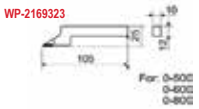
- *rezolutie: 0.01 mm/0.0005""*
- *fabricat din otel inoxidabil (in afara de baza)*
- *cu ajustare fina*
- *trasator cu varf de carbura*
- *alimentat de o baterie de 3V*
- *cu butoane DIR, TOL, ON/OFF/PRE, HOLD, ZERO/ABS/, mm/in.*
- *iesire de date cu interfata mini USB*
- *baza robusta din fonta, lacuita si slefuita, fata de lucru inferioara*
- *ambalat in cutie de plastic*
- *livrat cu raport de inspectie*

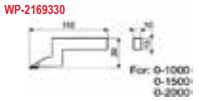












werka

216-8661

216-8678
216-8685

	Scala	Acuratete	H	h	
216-8661	0-300mm/0-12"	± 0.04 mm	475	43 mm	**1,242.30**
216-8678	0-600mm/0-24"	± 0.05 mm	870	54 mm	**2,347.32**
216-8685	0-1000mm/0-40"	± 0.07 mm			**5,439.63**

1150

Dispozitiv digital de trasat

- *rezolutie: 0.01 mm/0.0005"*
- *butoane: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set*
- *ABS/INC este pentru măsurare absolută și incrementală*
- *TOL - toleranta masuratorii*
- *trasator cu carbura*
- *material: otel inoxidabil (in afara de baza)*
- *baterii: SR44 sau LR44*
- *export date*
- *dotata cu clema de prindere*

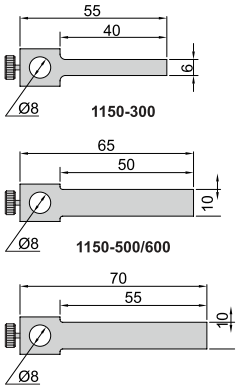
DATA OUTPUT



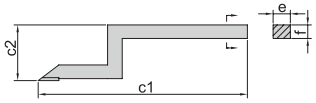
Clema de prindere

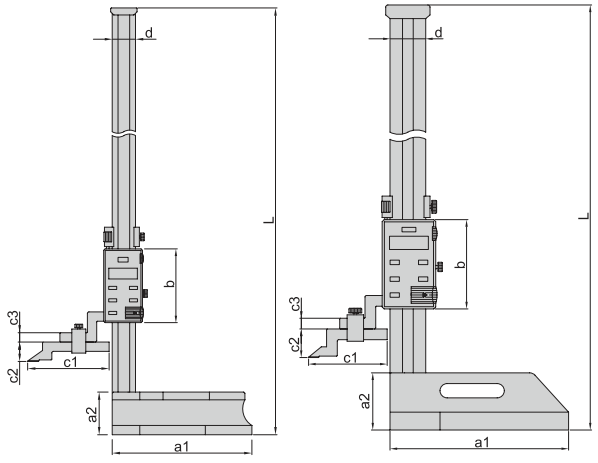


Unit: mm



Trasator cu carbura





tip A

tip B

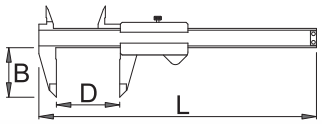
INSIZE

	Scala	Tip	Acuratete	L	
1150-300	0-300 mm	A	± 0.04 mm	470	**3003.00**
1150-500	0-500 mm	A	± 0.05 mm	720	**4315.50**
1150-600	0-600 mm	A	± 0.05 mm	820	**5617.50**
1150-1000	0-1000 mm	B	± 0.07 mm	1275	**11445.00**

271

Subler mecanic de exterior, interior, cu tije de adancime

- *precizie: 0,02mm/0,001"*
- *functii: masurarea dimensiunilor interioare, exterioare, adancimi si intervale*
- *in conformitate cu standardul DIN 862*
- *scala dubla inch si mm*





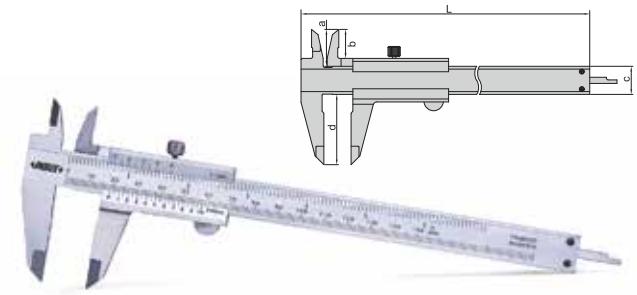
UNIOR

	Scala	Acuratete	L	b	
612035	0-150 mm	± 0.02 mm	235	40	**175.90**

1205

Subler mecanic de exterior, interior, cu tije de adancime

- *in conformitate cu DIN 862*
- *material: otel inoxidabil, cromare satinata*
- *gradatie: 0.05 mm/1/128"*



INSIZE

	Scala	Acuratete	L	a	b	c	d	
1205-150S	0-150 mm	± 0.05 mm	235	20.5	15.5	16	40	**227.32**
1205-200S	0-200 mm	± 0.05 mm	290	23.5	19	16	50	**383.25**
1205-250S	0-250 mm	± 0.05 mm	364	27.5	22	20	64	**885.15**
1205-300S	0-300 mm	± 0.05 mm	414	27.5	22	20	64	**729.75**

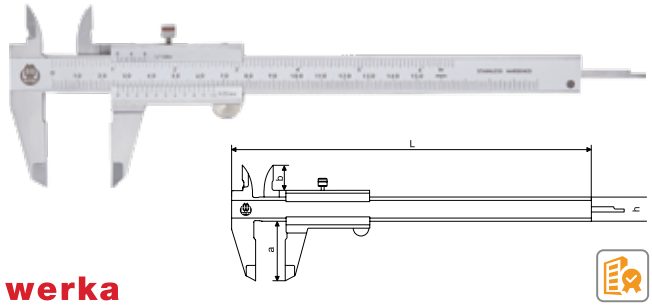
Sublerele se pot aduce si cu gradatie 0.02 mm/0,001"

210

NOU

Subler mecanic de exterior, interior, cu tije de adancime

- *in conformitate cu DIN 862*
- *gradatie: 0.05 mm/1/128"*
- *fabricat din inoxidabil, calit, finisaj cromare satinata*
- *cu surub de blocare superior, bumbul de impingere din metal*
- *livrare cu raportul de inspectie*
- *in cutie de plastic*



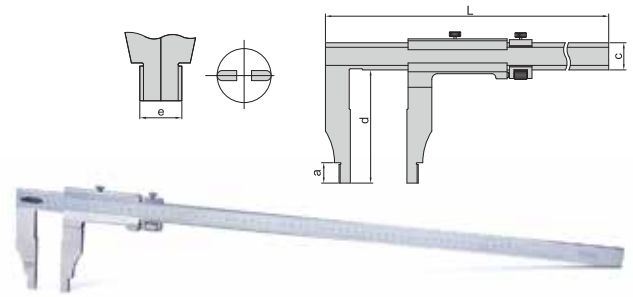
werka

	Scala	Acuratete	L	a	b	h		
210-0016T	0-150mm/0-6"	± 0.05 mm	236	40	16.5	16	297	**227.32**
210-0023T	0-200mm/0-8"	± 0.05 mm	286	50	19.5	16	322	**326.58**
210-0030T	0-300mm/0-12"	± 0.05 mm	400	60	21.5	16	410	**461.14**

1208

Subler mecanic de exterior-interior, cu reglaj fin

- *cu reglaj fin*
- *material: otel inoxidabil, cromare satinata*
- *gradatie: 0.05 mm*



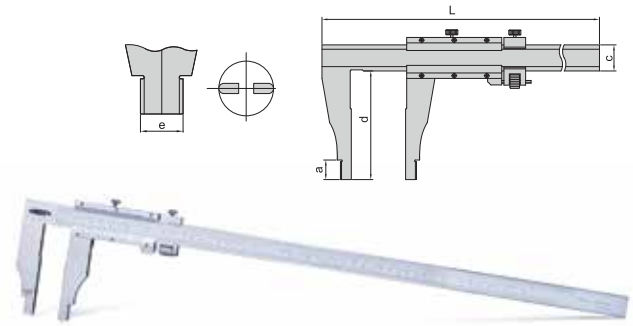
INSIZE

	Scala	Acuratete	a	c	d	e	L	
1208-394	0-300 mm	± 0.07 mm	10	20	90	10	410	**1281.00**
1208-324	0-300 mm	± 0.07 mm	18	24	150	20	410	**2058.00**
1208-524	0-500 mm	± 0.07 mm	18	24	100	20	670	**2194.50**

1214

Subler mecanic de exterior-interior, cu reglaj fin

- *cu reglaj fin*
- *material: otel inoxidabil, cromare satinata*
- *gradatie: 0.02 mm*



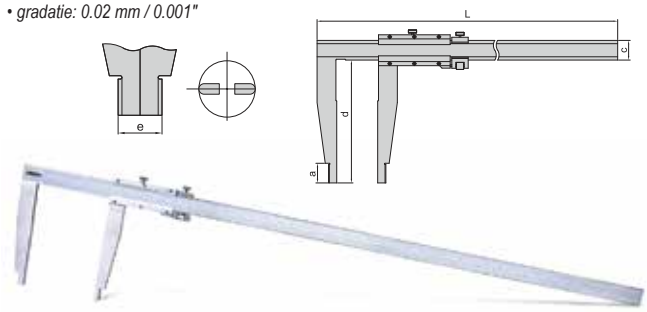
INSIZE

	Scala	Acuratete	a	c	e	L	d	
1214-450	0-450 mm	± 0.05 mm	18	24	20	650	100	**1627.50**
1214-500	0-500 mm	± 0.05 mm	18	24	20	670	100	**1669.50**
1214-600	0-600 mm	± 0.05 mm	18	24	20	770	100	**1753.50**
1214-1000	0-1000 mm	± 0.08 mm	24	32	20	1216	140	**5029.50**

1215

Subler mecanic de exterior-interior, cu varfuri lungi si reglaj fin

- *cu reglaj fin*
- *material: otel inoxidabil, cromare satinata*
- *gradatie: 0.02 mm / 0.001"*



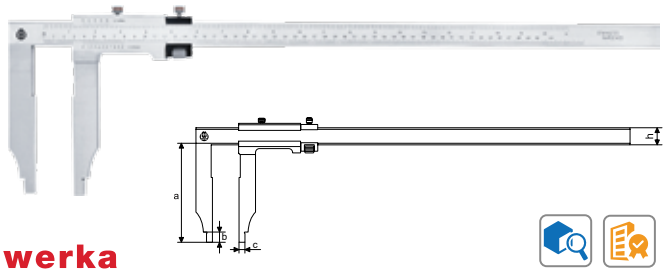
INSIZE

	Scala	Acuratete	a	c	d	e	L	
1215-532	0-500 mm	± 0.06 mm	18	24	200	20	670	**2929.50**
1215-822	0-800 mm	± 0.07 mm	24	32	150	20	1020	**4599.00**
1215-1032	0-1000 mm	± 0.08 mm	24	32	200	20	1220	**6583.50**
1215-1052	0-1000 mm	± 0.11 mm	24	42	300	20	1330	**9859.50**

2105 NOU

Subler mecanic de exterior-interior, cu reglaj fin

- *in conformitate cu DIN 862*
- *gradatie: 0.05 mm/1/128"*
- *fabricat din inoxidabil, calit, finisaj cromare satinata*
- *cu surub de blocare superior, bumbul de impingere din metal*
- *livrare cu raportul de inspectie*
- *in cutie de plastic*



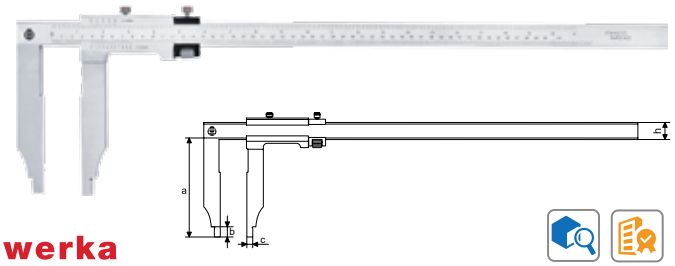
werka

	Scala	Acuratete	a	b	c	h		
2105-500	0-500mm/0-20"	± 0.08 mm	100	15	10	24	670	**1382.32**
213-9460	0-600mm/0-24"	± 0.08 mm	100	15	10	24	950	**1442.14**
213-8418	0-1000mm/0-40"	± 0.10 mm	150	24	10	31	1200	**3773.46**

2105 NOU

Subler mecanic de exterior-interior, cu varfuri lungi si reglaj fin

- *gradatie: 0.05 mm/1/128"*
- *fabricat din inoxidabil, calit, finisaj cromare satinata*
- *cu reglaj fin si surub de fixare superior*
- *cu vernier monobloc*
- *livrare cu raportul de inspectie*
- *in cutie de plastic*



werka

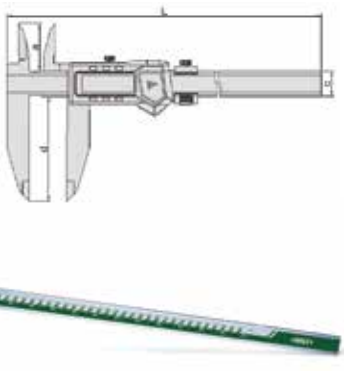
	Scala	Acuratete	a	b	c	h		
2105-502	0-500mm/0-20"	± 0.12 mm	200	15	10	24	670	**1388.68**
2105-800	0-800mm/0-32"	± 0.09 mm	150	15	10	24	1020	**2591.71**
2105-1002	0-1000mm/0-40"	± 0.13 mm	200	24	10	31	1220	**4528.08**
2105-1003	0-1000mm/0-40"	± 0.15 mm	300	24	10	31	1330	**5979.68**

1135-601

Subler digital 0-600 mm

- *rezolutie: 0.01 mm / 0.0005"*
- *butoane: on/off, zero, mm/inch, ABS, data preset*
- *baterie: CR2032*
- *iesire date*
- *material: otel inoxidabil*

DATA OUTPUT



INSIZE

	Scala	Acuratete	L	a	c	d	
1135-601	0-600	± 0.05 mm	770	45	24	100	**3486.00**

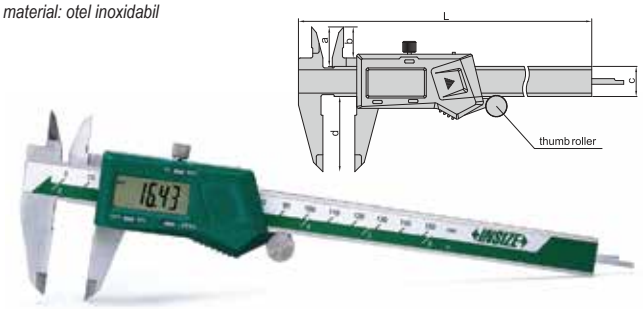
1108

Subler digital de exterior-interior, cu tije de adancime

- *rezolutie: 0.01mm/0.0005"*
- *butoane: ON/OFF, Zero, mm/inch*
- *oprire automata daca nu este utilizat*
- *baterie: CR2032*
- *compatibil USB; iesire cablu date*
- *in conformitate cu DIN 862*
- *material: otel inoxidabil*

INSPECTION CERTIFICATE TRACEABLE TO DKD

DATA OUTPUT



INSIZE

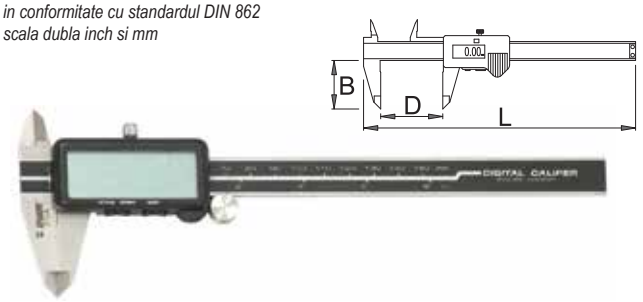
	Scala	Acuratete	L	a	b	c	d	
1108-150*	0-150 mm	± 0.02 mm	236	21	16	16	40	**316.05**
1108-200*	0-200 mm	± 0.03 mm	286	24	19	16	50	**467.25**
1108-250*	0-250 mm	± 0.03 mm	350	25	20.5	16	60	**963.90**
1108-300*	0-300 mm	± 0.03 mm	400	25	20.5	16	60	**834.75**

** livrat cu certificat de inspectie producator trasabil la DKD Germany*

270A

Subler digital de exterior-interior, cu tije de adancime

- *precizie: 0, 02mm/0,001"*
- *viteza de masurare:1.5m/sec*
- *functii:masurarea dimensiunilor interioare, exterioare, adancimi si intervale*
- *in conformitate cu standardul DIN 862*
- *scala dubla inch si mm*



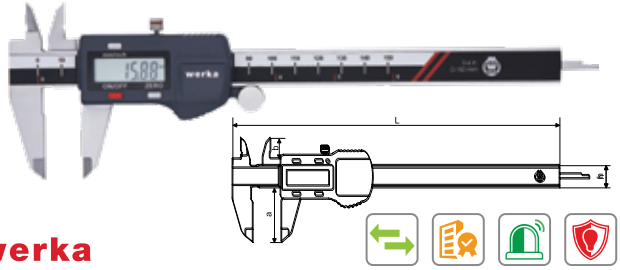
UNIOR

	Scala	Acuratete	L	b	
619881	0-150 mm	± 0.02 mm	235	40	**374.26**

210 NOU

Subler digital de exterior-unteior, cu tije de adancime

- *acuratetea in conformitate cu DIN 862*
- *citire: 0.01mm/0.0005"*
- *3 butoane: ON/OFF, Zero, mm/inch*
- *oprire automata daca nu este utilizat*
- *baterie: CR2032; fara iesire date.*
- *fabricat din inoxidabil, calit, finisaj cromare*
- *cu surub de fixare superior si rola pentru deplasare rapida*
- *pentru patru tipuri de masuratori*
- *livrare cu raportul de inspectie in cutie de plastic*



werka

	Scala	Acuratete	L	a	b	h		
210-8895	0-150mm/0-6"	± 0.03 mm	236	40	16.5	16	416	**247.66**
210-8901	0-200mm/0-8"	± 0.03 mm	286	50	19.5	16	568	**352.22**
210-8918	0-300mm/0-12"	± 0.03 mm	390	60	21.5	16	912	**517.51**

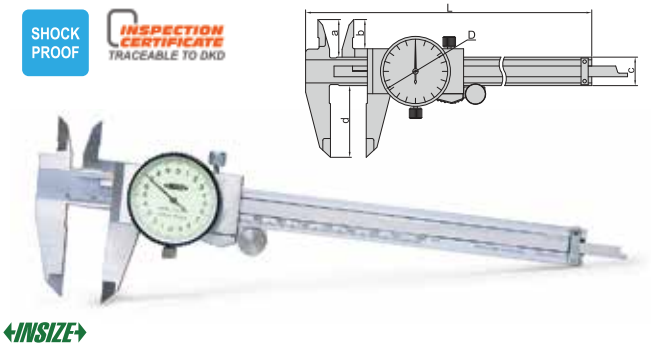
1311

Subler cu ceas, de exterior-interior

- *rezistent la soc*
- *material: otel inoxidabil*
- *gradatie: 0.01 mm*

SHOCK PROOF

INSPECTION CERTIFICATE TRACEABLE TO DKD



INSIZE

	Scala	Acuratete	L	a	b	c	d	D	
1311-150A*	0-150 mm	± 0.03 mm	235	21	16,5	16	40	Ø39	**471.45**
1311-200A*	0-200 mm	± 0.03 mm	288	24	19	16	50	Ø39	**788.55**
1311-300A*	0-300 mm	± 0.04 mm	410	28	22	20	62	Ø44,5	**1218.00**

** livrat cu certificat de inspectie producator trasabil la DKD Germany*

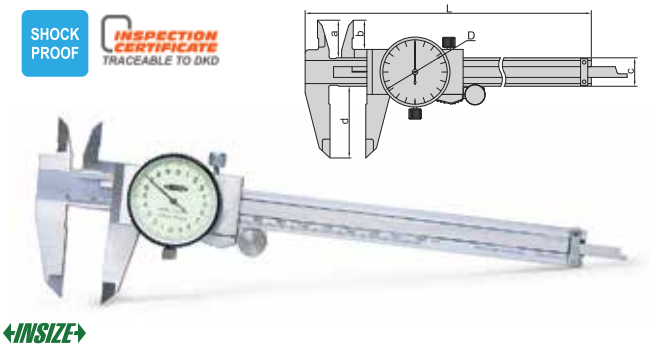
1312

Subler cu ceas, de exterior-interior

- *rezistent la soc*
- *material: otel inoxidabil*
- *gradatie: 0.02 mm*

SHOCK PROOF

INSPECTION CERTIFICATE TRACEABLE TO DKD



INSIZE

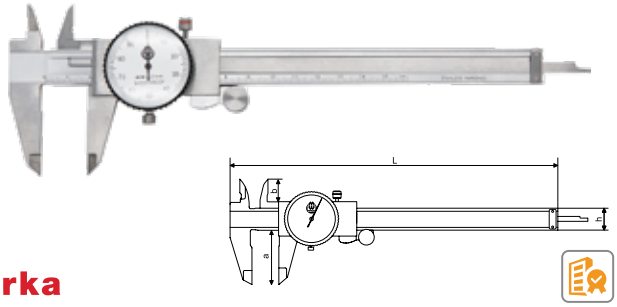
	Scala	Acuratete	L	a	b	c	d	D	
1312-150A*	0-150 mm	± 0.03 mm	235	21	16,5	16	40	Ø39	**423.15**
1312-200A*	0-200 mm	± 0.03 mm	288	24	19	16	50	Ø39	**604.80**
1312-300A*	0-300 mm	± 0.04 mm	410	28	22	20	62	Ø44,5	**1071.00**

** livrat cu certificat de inspectie producator trasabil la DKD Germany*

210 NOU

Subler cu ceas, de exterior-interior, cu tije de adancime

- *acuratetea in conformitate cu DIN 862*
- *gradatie: 0.02 mm*
- *fabricat din inoxidabil, calit, finisaj cromare*
- *rezistent la soc; cu surub de fixare superior*
- *cu tije de adancime plata; pentru patru tipuri de masuratori*
- *tabel pentru filete pe spate*
- *livrare cu raportul de inspectie*
- *in cutie de plastic*



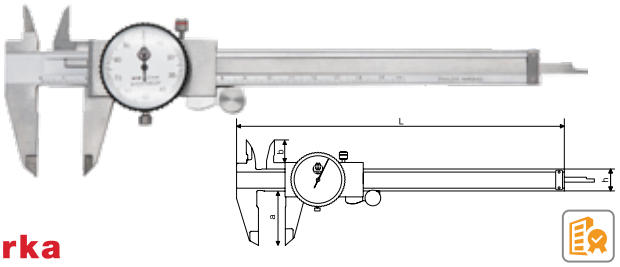
werka

	Scala	Acuratete	L	a	b	h		
210-8364	0-150 mm	± 0.03 mm	236	40	16.5	16	416	**301.12**
210-8845	0-200 mm	± 0.03 mm	286	50	19.5	16	568	**398.58**
210-8852	0-300 mm	± 0.04 mm	410	64	21.5	20	912	**584.42**

210 NOU

Subler cu ceas, de exterior-interior, cu tije de adancime

- *acuratetea in conformitate cu DIN 862*
- *gradatie: 0.01 mm*
- *fabricat din inoxidabil, calit, finisaj cromare*
- *rezistent la soc; cu surub de fixare superior*
- *cu tije de adancime plata; pentru patru tipuri de masuratori*
- *tabel pentru filete pe spate*
- *livrare cu raportul de inspectie*
- *in cutie de plastic*



werka

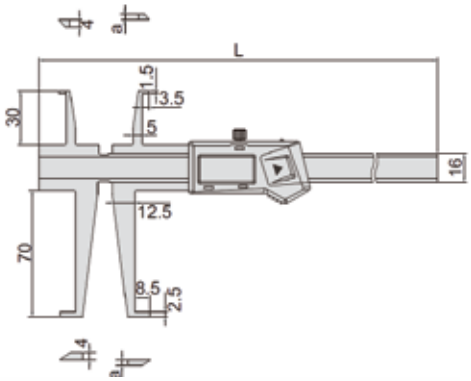
	Scala	Acuratete	L	a	b	h		
210-8371	0-150 mm	± 0.03 mm	236	40	16.5	16	416	**310.58**
210-8869	0-200 mm	± 0.03 mm	286	50	19.5	16	568	**408.22**
210-8876	0-300 mm	± 0.04 mm	410	64	21.5	20	912	**593.88**

1176-150

Subler digital pentru caneluri interioare

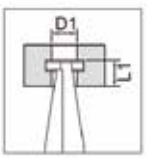
- *masurarea diametrului canelurilor din interiorul gaurilor*
- *material: otel inoxidabil*
- *gradatie: 0.01 mm / 0.0005"*
- *butoane:*
  on/off, zero, mm/inch, preset (+,-) (tip A)
  on/off, zero, mm/inch, ABS/REL, hold (tip B)
- *baterie CR2032*
- *accesorii optionale: limitator de adancime (cod 6143)*



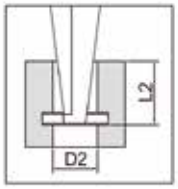




limitator de adancime (cod 6143) (optional)



dimensiune masurata (utilizare falca superioara)



dimensiune masurata (utilizare falca inferioara)

INSIZE

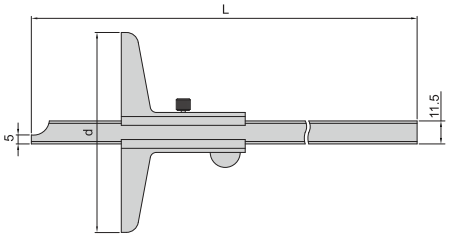
	Superior	Inferior	Tip	Acuratete	L	a	
1176-150	9-150 mm	17-150 mm	A	± 0.04 mm	260	3	**1879.50**

1240

Subler mecanic de adancime

- *material: otel inoxidabil*
- *cromare satinata*





INSIZE

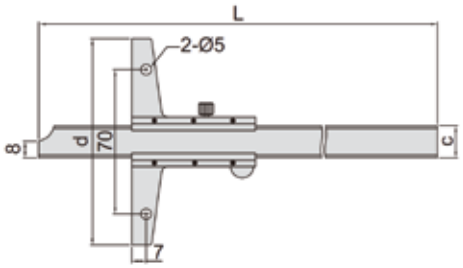
	Scala	Acuratete	L	d	
gradatie 0.02 mm					
1240-1501	0-150 mm	± 0.03 mm	245	100	**337.05**
1240-2001	0-200 mm	± 0.03 mm	282	100	**363.30**
1240-3001	0-300 mm	± 0.04 mm	382	100	**466.20**
1240-5001	0-500 mm	± 0.05 mm	585	100	**970.20**
gradatie 0.05 mm					
1240-150	0-150 mm	± 0.05 mm	245	100	**334.95**
1240-200	0-200 mm	± 0.05 mm	282	100	**360.15**
1240-300	0-300 mm	± 0.08 mm	382	100	**462.00**
1240-500	0-500 mm	± 0.09 mm	585	150	**968.10**

1247

Subler de adancime

- *material: otel inoxidabil*
- *domeniu de utilizare: 0 - 300 mm*
- *precizie: ±0.8 mm*
- *gradatie minima: 0.05 mm*
- *se pot monta extensii la baza*





INSIZE

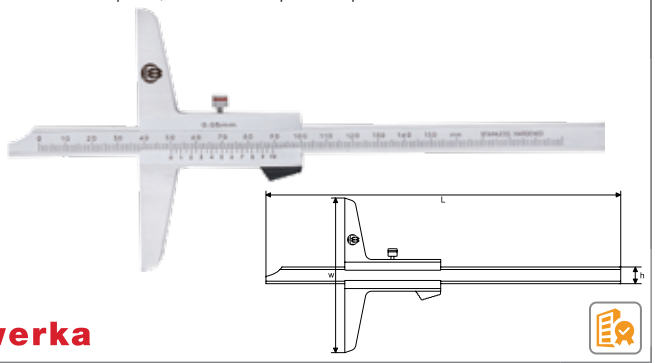
	Scala	Acuratete	L	c	d	
1247-200	0-200	± 0.05 mm	290	16	100	**475.65**
1247-300	0-300	± 0.08 mm	390	16	100	**592.20**

- *la comanda se pot aduce si dimensiuni de 600 mm si 1000 mm*

2106 NOU

Subler mecanic de adancime

- *Acuratetea in conformitate cu DIN 862*
- *fabricat din otel inoxidabil, calit*
- *finisaj crom satinat nonius si scara*
- *cantare duble permit utilizarea ca indicator de adancime normal*
- *ambalat in cutie de plastic, se livreaza cu raport de inspectie*



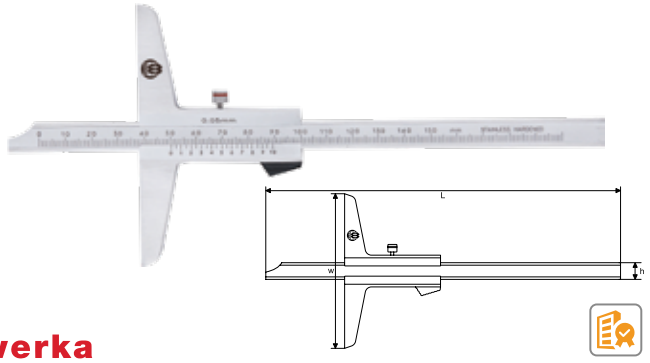
werka

	Scala	Acuratete	L	w	h		
2106-151	0-150 mm	± 0.03 mm	245	100	11.5	556	**205.84**
2106-201	0-200 mm	± 0.03 mm	282	100	11.5	561	**247.30**
2106-301	0-300 mm	± 0.04 mm	382	100	11.5	783	**362.22**

2105 NOU

Subler mecanic de adancime

- *Acuratetea in conformitate cu DIN 862*
- *fabricat din otel inoxidabil, calit*
- *finisaj crom satinat nonius si scara*
- *cantare duble permit utilizarea ca indicator de adancime normal*
- *ambalat in cutie de plastic, se livreaza cu raport de inspectie*



werka

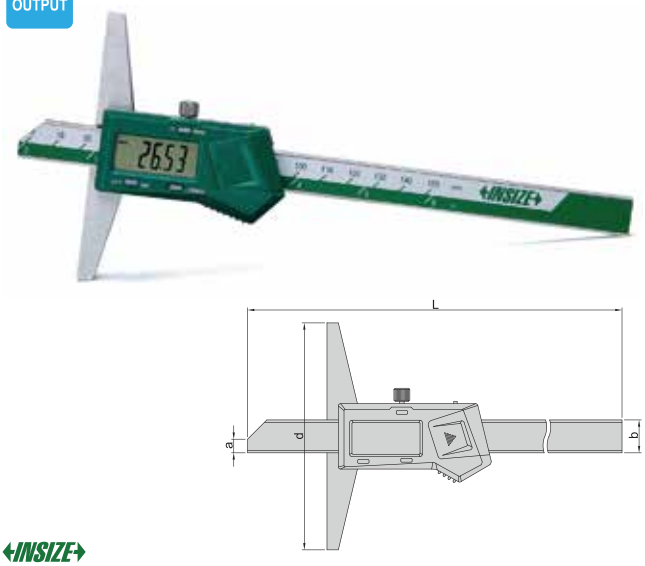
	Scala	Acuratete	L	w	h		
211-0146	0-150 mm	± 0.12 mm	245	100	11.5	556	**205.84**
211-9507	0-200 mm	± 0.09 mm	282	100	11.5	561	**247.30**
211-0153	0-300 mm	± 0.13 mm	382	100	11.5	783	**362.22**
211-0160	0-500 mm	± 0.15 mm				1080	**524.78**

1141

Subler digital de adancime

- *rezolutie: 0.01mm/0.0005"*
- *material: otel inoxidabil*
- *butoane: ON/OFF, Zero, mm/inch*
- *baterie: CR2032*
- *compatibil USB*
- *in conformitate cu DIN 862*
- *oprire automata*

DATA OUTPUT



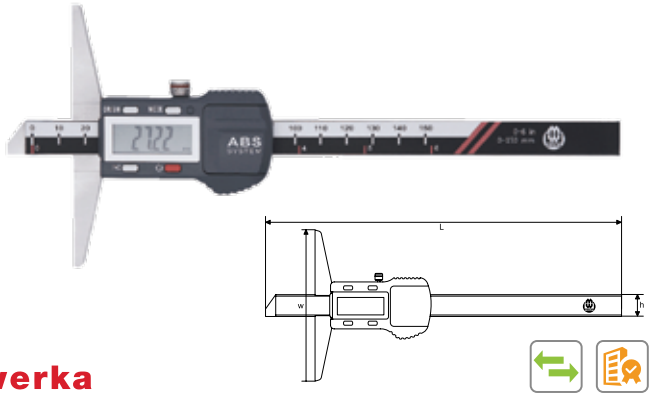
INSIZE

	Scala	Acuratete	L	a	b	d	
1141-150A	0-150 mm	± 0.03 mm	230	6	14.5	100	**539.70**
1141-200A	0-200 mm	± 0.03 mm	280	6	14.5	100	**656.25**
1141-300A	0-300 mm	± 0.03 mm	380	6	14.5	150	**1396.50**
1141-500A	0-500 mm	± 0.05 mm	585	7	15	150	**2929.50**

2222 NOU

Subler digital de adancime

- *calitate superioară, precizie conform DIN862*
- *rezolutie: 0.01mm/0.0005""*
- *sistem absolut; cu baterie 3V, cod CR2032*
- *clasa protectie IP54, rezistent la apa si praf*
- *sacala cu sina de sticla pentru masuratori de precizie*
- *fara limita de viteza in miscare*
- *executat din oțel inoxidabil, călit*
- *pastrare fina si baza de adancime dublata*
- *cu patru butoane ORIGIN, MODE, INC si POWER*
- *iesire de date cu interfata mini USB*
- *se livreaza in cutie de plastic; cu raport de inspectie*



werka

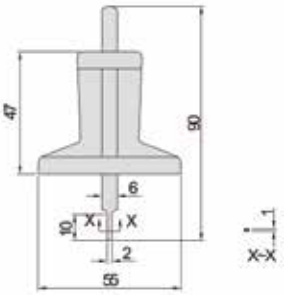
	Scala	Acuratete	L	w	h		
2222-150	0-150mm/0-6"	± 0.03 mm	232.5	100	14.5	556	**496.59**
2222-200	0-200mm/0-8"	± 0.03 mm	285	100	14.5	561	**617.88**
2222-300	0-300mm/0-12"	± 0.03 mm	390	150	14.5	783	**832.08**

1244-30

Subler de adancime pentru anvelope 0-30 mm

- *material: otel inoxidabil*
- *domeniu de utilizare: 0 - 30 mm*
- *precizie: ±0.1 mm*
- *gradatie minima: 0.1 mm*
- *ideal pentru masurarea adancimii rizurilor anvelopelor ce echipeaza autovehiculele*





INSIZE

	Scala	Acuratete	L	l	
1244-30	0-30	± 0.1 mm	90	55	**160.65**

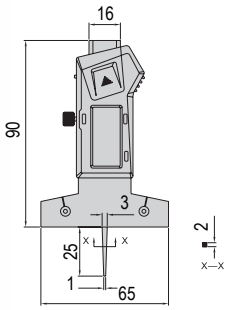
1145-25A

Subler digital de adancime pentru anvelope 0-25 mm

- *rezolutie: 0.01 mm/0.0005"*
- *butoane: on/off, zero, mm/inch*
- *oprire automata, pornire la miscarea unitatii digitale•*
- *posibilitate de masurare rapida*
- *baterie: CR2032*
- *compatibil USB*
- *material: otel inoxidabil*
- *optional cablu de date: SPC*
- *acuratete: ±0.03 mm*
- *lungime: 90 mm*
- *latime falca: 65 mm*

DATA OUTPUT





setare zero



masurare



suprafata setare zero (inclusa)

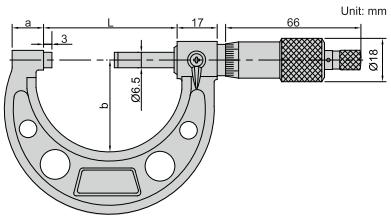
INSIZE

	Scala	Acuratete	L	l	
1145-25A	0-25	± 0.03 mm	90	65	**648.90**

3203

Micrometru mecanic de exterior

- *gradatie: 0.01 mm*
- *suprafetele de masurare cu carbura*
- *in conformitate cu DIN 863*
- *se livreaza cu tampon de calibrare la cota minima (exceptie 0-25 mm)*





INSIZE

	Scala	Acuratete	L	a	b	
3203-25A*	0-25 mm	4 µm	32	9	28	**210.21**
3203-50A*	25-50 mm	4 µm	57	14	38	**231.00**
3203-75A*	50-75 mm	5 µm	82	15	49	**301.35**
3203-100A*	75-100 mm	5 µm	107	15	60	**338.10**
3203-125A	100-125 mm	6 µm	133	16.5	73	**459.90**
3203-150A	125-150 mm	6 µm	158	16.5	85	**527.10**
3203-175A	150-175 mm	7 µm	183	19.4	104	**667.80**
3203-200A	175-200 mm	7 µm	209	19.4	117	**695.10**

* *livrat cu certificat de inspectie producator trasabil la DKD Germany*
La comanda se pot aduce micrometre pana la 300 mm
La comanda micrometrele se pot aduce si cu gradatie in inch, 0,0001"

3203-1004A

Set micrometru mecanic de exterior 0-100 mm / 4 piese



INSIZE

3203-1004A	0-100 mm / 4 piese **3203-25A, 3203-50A, 3203-75A, 3203-100A**	**1081.50**

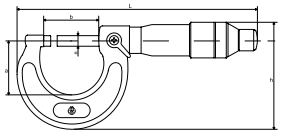
217

NOU

Micrometru mecanic de exterior

- *in conformitate cu DIN863*
- *gradatie: 0.01 mm*
- *opritor cu clichet cu frictiune*
- *suprafetele de masurare din carbura*
- *corpul vopsit, tamburul cu scala gradata finisat cromat*
- *de la dimensiunea 25-50 mm inclusiv se livreaza cu cale de calibrare la cota minima*
- *cu cheie de reglare*
- *livrare in cutie de carton ; certificat de inspectie*





werka

	Scala	Acuratete	L	a	b	h	
217-5523	0-25 mm	4 µm	133.8	29.5	31	31	**198.20**
217-5530	25-50 mm	4 µm	160	38	56	56	**231.00**
217-5547	50-75 mm	5 µm	185.5	51	81	81	**278.21**
217-5554	75-100 mm	5 µm	210.5	63.5	106	106	**329.85**
217-5561	100-125 mm	6 µm	237.3	76	131	131	**396.77**
217-5578	125-150 mm	6 µm	263.8	89	156	156	**482.96**
217-9583	150-175 mm	7 µm	288	101.5	186	186	**456.59**
217-9590	175-200 mm	7 µm					**525.14**

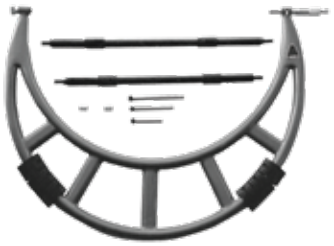
217 / 3111

NOU

Micrometru mecanic de exterior cu palpatori interschimbabili

- *gradatie: 0.01 mm*
- *corpul vopsit, tamburul cu scala gradata finisat cromat*
- *opritor cu clichet cu frictiune*
- *cu palpatori interschimbabili*
- *suprafetele de masurare din carbura*
- *palpatori interschimbabili pentru diferite domenii de masurare*
- *ax φ8.0mm*
- *cu cale de reglare*
- *precizie standard de producător*
- *livrare in cutie de lemn*
- *livrare cu raport de inspectie*







werka

	Scala	Acuratete	L	b	Tip	Set inclus	
217-5721	0-150 mm	6 µm	158	82			**1456.51**
217-5738	150-300 mm	9 µm	308	165			**1795.27**
3111-400	300-400 mm	11 µm	409	224			**2923.92**
3111-500	400-500 mm	13 µm	509	275			**3308.87**
3111-600	500-600 mm	14 µm	609	321			**3803.65**
3111-800	700-800 mm	18 µm	809	426			**4573.54**
3111-900	800-900 mm	20 µm	909	476			**6058.23**
3111-1000	900-1000 mm	22 µm	1009	576			**6937.96**

3206

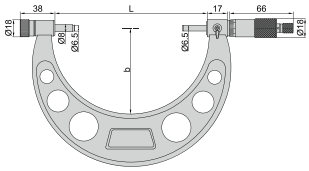
Micrometru de exterior cu palpatori interschimbabili

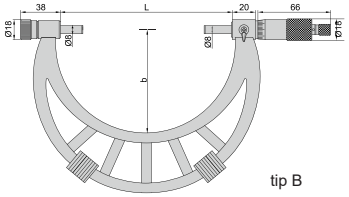
- *gradatie: 0.01 mm*
- *suprafetele de masurare cu carbura*
- *opritor cu clichet*
- *se livreaza cu setul standard de calibrare*











INSIZE

tip A

tip B

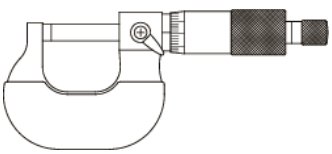
	Scala	Acuratete	L	b	Tip	Set inclus	
3206-100A	0-100 mm	5 µm	108	57	A	25; 50; 75	**1491.00**
3206-150A	0-150 mm	6 µm	158	82	A	25; 50; 75; 100; 125	**1753.50**
3206-200A	100-200 mm	7 µm	208	114	A	100; 125; 150; 175	**1942.50**
3206-300A	150-300 mm	9 µm	308	165	A	150; 175; 200; 225; 250; 275	**2257.50**
3206-301A	200-300 mm	9 µm	308	165	A	200; 225; 250; 275	**2205.00**
3206-400	300-400 mm	11 µm	409	224	B	325; 375	**3853.50**
3206-500	400-500 mm	13 µm	509	275	B	425; 475	**4378.50**
3206-600	500-600 mm	14 µm	609	321	B	525; 575	**5019.00**
3206-800	700-800 mm	18 µm	809	426	B	725; 775	**6825.00**
3206-900	800-900 mm	20 µm	909	476	B	825; 875	**7707.00**
3206-1000	900-1000 mm	22 µm	1009	576	B	925; 975	**8841.00**

272

Micrometru mecanic de exterior

- *confectionat din otel de calitate. Suprafata de masurare confectionata din aliaj rezistent*
- *ax 6,5 mm dia., cu maner ce se blocheaza si clichet*
- *in concordanta cu DIN 863*
- *domeniul de masurare 0 - 25 mm, indicator minimal 0,01 mm*
- *conform cu standardul DIN 863*





UNIOR

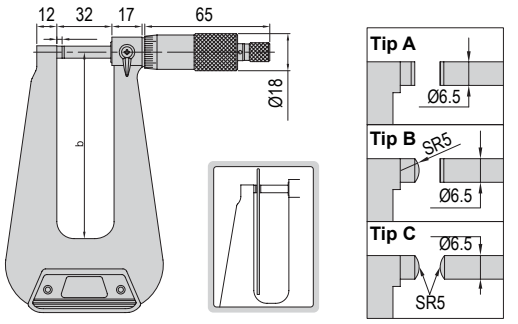
	Scala	
617698	0-25 mm	**251.97**

3239

Micrometru pentru foi tabla, potcoava 155 mm

- *cadru adanc potrivit pentru tabla, hartie si plastic*
- *gradatii: 0.01 mm*
- *opritor cu clichet*
- *suprafata de masurare din carbura*





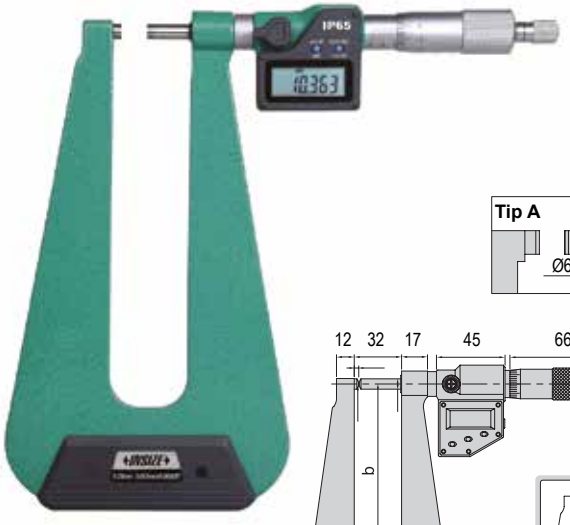
INSIZE

	Scala	Acuratete	b	Tip	
3239-253F	0-25	7 µm	155	B	**1155.00**

3539

Micrometru digital pentru foi tabla, potcoava 155 mm

- *cadru adanc potrivit pentru tabla, hartie si plastic*
- *rezolutie: 0.001 mm / 0.00005"*
- *opritor cu clichet*
- *suprafata de masurare din carbura*
- *iesire date*
- *baterie LR44, oprire automata*
- *butoane: on/off, set, mm/inch, ABS/INC*



IP65 WATERPROOF

DATA OUTPUT

INSIZE

	Scala	Acuratete	b	Tip	
3539-253A	0-25	7 µm	155	A	**1974.00**

3101

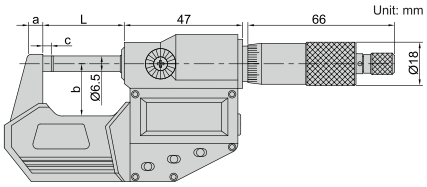
Micrometru digital de exterior

- *rezolutie: 0.001mm/0.00005"*
- *(rezolutiea pentru 3101-275 si 3101-300A este : 0.001mm/0.0001"*
- *clasa de protectie: IP65 praf / apa*
- *butoane: on/off, set, mm/inch, ABS/INC, data output*
- *export date*
- *baterie: SR44 sau LR44, oprire automata*
- *suprafetele de masurare cu carbura*
- *se livreaza cu palpatorul sferic*
- *se livreaza cu setul standard de calibrare, exceptie 0-25mm*

IP65 WATERPROOF

DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO DKD







nicovala sferica (inclusa)



masurare grosime perete teava



INSIZE

	Scala	Acuratete	L	a	b	c	
3101-25A*	0-25 mm	2 µm	32,5	6	24	3	**1323.00**
3101-50A*	25-50 mm	2 µm	57,5	8	32	3	**1690.50**
3101-75A*	50-75 mm	3 µm	82,5	8	44,5	3	**1848.00**
3101-100A*	75-100 mm	3 µm	107,5	8	57	3	**2058.00**
3101-125A	100-125 mm	3 µm	133	10	70	3	**2425.50**
3101-150A	125-150 mm	3 µm	158,5	10	82	3	**2520.00**
3101-175A	150-175 mm	4 µm	184	12	94,5	5,5	**2635.50**
3101-200A	175-200 mm	4 µm	209,5	12	107	5,5	**2856.00**

* *livrat cu certificat de inspectie producator trasabil la DKD Germany*

217-6858 NOU

Stativ pentru micrometre

- *cu unghi reglabil si clemă centrala*
- *clemă cu tampoane de cauciuc pentru protecția instrumentelor*
- *baza din fonta, pentru micrometre de exterior 0-100mm*



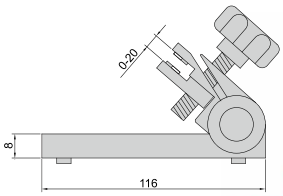
werka

	Pentru micromete max.	Deschidere max.	Lungime baza	
217-6858	100 mm	20 mm	163 mm	**133.29**

6300

Stativ pentru micrometre

- *corpul turnat din aliaj usor*
- *protectie prin vopsire*



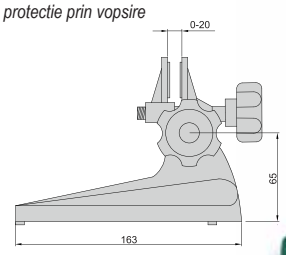


	Pentru micrometre max.	Deschidere max.	Lungime baza	
6300	100 mm	20 mm	116 mm	**299.25**

6301

Stativ pentru micrometre

- *corpul turnat din aliaj usor*
- *protectie prin vopsire*





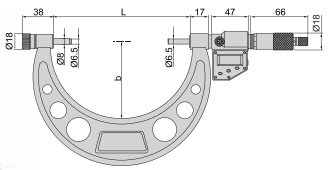
	Pentru micrometre max.	Deschidere max.	Lungime baza	
6301	100 mm	20 mm	163 mm	190.05

3506

Micrometru digital de exterior cu palpatori interschimbabili

- *rezolutie: 0.001mm/0.0001"*
- *clasa de protectie: IP65*
- *butoane: on/off, set, mm/inch*
- *export date ABS/INC*
- *export date RS232*
- *baterie: SR44 sau LR44, oprire automata*
- *suprafetele de masurare cu carbura*
- *se livreaza cu setul standard de calibrare*

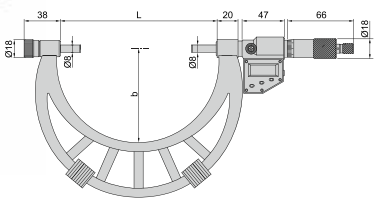




IP65 WATERPROOF

DATA OUTPUT





	Scala	Acuratete	L	b	Tip	Set inclus	
3506-301A	200-300 mm	8 µm	305	165	A	200; 225; 250; 275	**3570.00**
3506-400A	300-400 mm	9 µm	405	224	B	325; 375	**4662.00**
3506-500A	400-500 mm	11 µm	505	275	B	425; 475	**5260.50**
3506-600A	500-600 mm	12 µm	605	321	B	525; 575	**5890.50**

La comanda se pot aduce micrometre pana la 1000 mm

3108

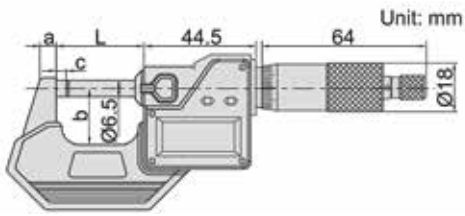
Micrometru digital de exterior

- *rezolutie: 0.001mm*
- *clasa de protectie: IP54 praf / apa*
- *butoane: on/off, set, mm/inch, ABS/INC*
- *fara export date*
- *baterie: SR44 sau LR44, oprire automata*
- *suprafetele de masurare cu carbura*
- *se livreaza cu palpatorul sferic*
- *se livreaza cu setul standard de calibrare, exceptie 0-25mm*

IP65 WATERPROOF

INSPECTION CERTIFICATE TRACEABLE TO DKD

ATTENTION: NO DATA OUTPUT





nicovala sferica (inclusa)

masurare grosime perete teava

	Scala	Acuratete	L	a	b	c	
3108-25A*	0-25 mm	2 µm	32,5	6	24	3	**898.80**
3108-50A*	25-50 mm	2 µm	57,5	8	32	3	**1144.50**
3108-75A*	50-75 mm	3 µm	82,5	8	44,5	3	**1386.00**
3108-100A*	75-100 mm	3 µm	107,5	8	57	3	**1522.50**
3108-125A	100-125 mm	3 µm	133	10	70	3	**1732.50**
3108-150A	125-150 mm	3 µm	158,5	10	82	3	**1837.50**
3108-175A	150-175 mm	4 µm	184	12	94,5	5,5	**2005.50**
3108-200A	175-200 mm	4 µm	209,5	12	107	5,5	**2194.50**

* *livrat cu certificat de inspectie producator trasabil la DKD Germany*

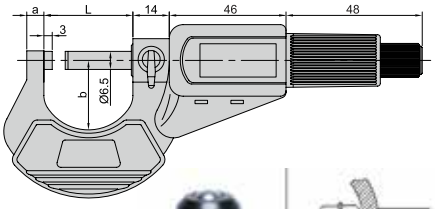
3109

Micrometru digital de exterior

- *rezolutie: 0.001mm/0.00005"*
- *butoane: on/off, set, mm/inch, ABS/INC*
- *export de date*
- *baterie: CR2032, oprire automata*
- *suprafetele de masurare cu carbura*
- *se livreaza cu palpatorul sferic*
- *se livreaza cu setul standard de calibrare, exceptie 0-25mm*

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

ATTENTION: NO DATA OUTPUT





nicovala sferica (inclusa)



masurare grosime perete teava



	Scala	Acuratete	L	a	b	c	
3109-25A*	0-25 mm	2 µm	32,5	6	24	3	**654.15**
3109-50A*	25-50 mm	2 µm	57,5	8	32	3	**862.05**
3109-75A*	50-75 mm	3 µm	82,5	8	44,5	3	**1041.60**
3109-100A*	75-100 mm	3 µm	107,5	8	57	3	**1176.00**

* *livrat cu certificat de inspectie producator trasabil la DKD Germany*

217 NOU

Micrometru digital de exterior IP65

- *rezolutie: 0.001mm/0.00005""*
- *acuratetea in conformitate cu DIN 863.*
- *un LED verde se aprinde cand citirea este in limitele de toleranta prestabilite*
- *clasa protectie IP54, rezistent la apa si praf*
- *ramă vopsită, cu opritor cu clichet cu frictiune.*
- *fata de mssurare din carbura*
- *cu functii de mm/inch, setare zero la orice pozitie, pornire/oprire si setare de toleranta*
- *de la dimensiunea 25-50mm inclusiv se livreaza cu cala de reglare*
- *ieşire de date cu interfata mini USB*
- *livrarea in cutie de plastic, cu baterie 3V CR2032*
- *livrare cu raportul de inspectie*



werka

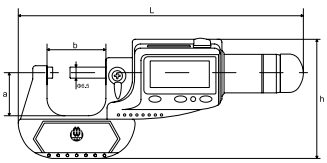
	Scala	Acuratete	L	a	b	h	
217-5981	0-25 mm / 0-1"	± 3 µm	156	25	32	63	**648.97**
217-5998	25-50 mm / 1-2"	± 3 µm	185	31	57	80	**746.07**
217-6001	50-75 mm / 2-3"	± 4 µm	212	44	82	95	**858.63**
217-6018	75-100 mm / 3-4"	± 4 µm	240	56	107	113	**955.73**
217-6025	100-125 mm / 4-5"	± 5 µm	269	68	132	128	**1139.93**
217-6032	125-150 mm / 5-6"	± 5 µm	296	81	157	146	**1307.40**

217 NOU

Micrometru digital de exterior IP54

- *rezolutie: 0.001mm/0.00005"*
- *acuratetea in conformitate cu DIN 863.*
- *un LED verde se aprinde cand citirea este în limitele de toleranta prestabilite*
- *clasa protectie IP54, rezistent la apa si praf*
- *ramă vopsita, cu opritor cu clichet cu frictiune.*
- *fata de masurare din carbura*
- *cu functii de mm/inch, setare zero la orice pozitie, pornire/oprire si setare de toleranta*
- *de la dimensiunea 25-50mm inclusiv se livreaza cu cala de reglare*
- *iesire de date cu interfata mini USB*
- *livrarea in cutie de plastic, cu baterie 3V CR2032*
- *livrare cu raportu de inspectie*





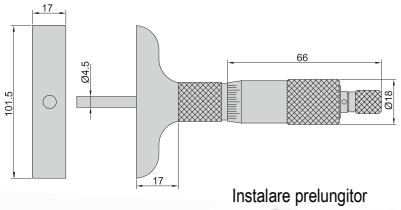
werka

	Scala	Acuratete	L	a	b	h	
217-5868	0-25 mm / 0-1"	± 3 µm	156	25	32	63	**568.60**
217-5875	25-50 mm / 1-2"	± 3 µm	185	31	57	80	**665.70**
217-5882	50-75 mm / 2-3"	± 4 µm	212	44	82	95	**778.08**
217-5899	75-100 mm / 4-5"	± 4 µm	240	56	107	113	**875.36**
217-5905	100-125 mm / 4-5"	± 5 µm	269	68	132	128	**1059.56**
217-5912	125-150 mm / 5-6"	± 5 µm	296	81	157	146	**1227.03**

3240

Micrometru mecanic de adancime, cu talpa

- *gradatie : 0.01mm*
- *acuratetea capului micrometric : ± 3 µm*
- *acuratetea extensiilor : ± (2 + L / 75) µm (L = lungimea maxima de masurat)*
- *extensiile cu capete plate*
- *clichet de oprire*



Instalare prelungitor



INSIZE

	Scala	Extensii	
3240-25	0-25 mm	1 pcs	**572.25**
3240-50	0-50 mm	2 pcs	**651.00**
3240-75	0-75 mm	3 pcs	**789.60**
3240-100	0-100 mm	4 pcs	**834.75**
3240-150	0-150 mm	6 pcs	**1081.50**
3240-200	0-200 mm	8 pcs	**1512.00**
3240-300	0-300 mm	12 pcs	**1974.00**

3240 NOU

Micrometru mecanic de adancime, cu talpa

- *gradatie : 0.01 mm*
- *dimensiuni baza 63x16 mm,*
- *scala cromată*
- *insertii de masurare φ4.5mm cu fata de mssurare sferica*
- *insertii usor de înlocuit*
- *cu opritor cu clichet cu frictiune*
- *se livreaza cu raport de inspectie*





werka

	Scala	Acuratete	
217-6193	0-150 mm	± 5 µm	**869.18**
217-6209	0-200 mm	± 6 µm	**1219.39**
217-6216	0-300 mm	± 7 µm	**1690.71**

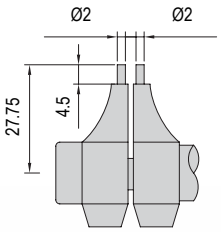
3520-30

Micrometru digital de interior 5-30 mm

- *citire: 0.001 mm / 0.00005"*
- *butoane: on/off, set, mm/inch, ABS/INC, data output*
- *iesire date*
- *baterii LR44, oprire automata*
- *opritor cu clichet*
- *suprafata de masurare din carbura*

DATA OUTPUT

Tip A





INSIZE

	Scala	Acuratete	Inel reglare	Tip	
3520-30	5-30 mm	±5 µm	5 mm (inclus)	A	**2425.50**

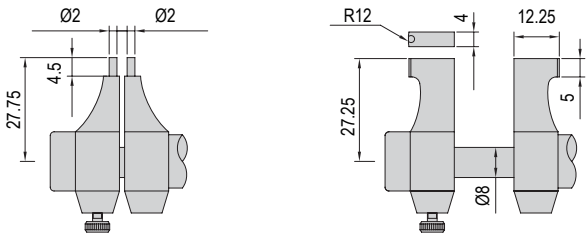
- *la comanda se pot aduce si dimensiuni de pana la 100 mm*

3220

Micrometru mecanic de interior

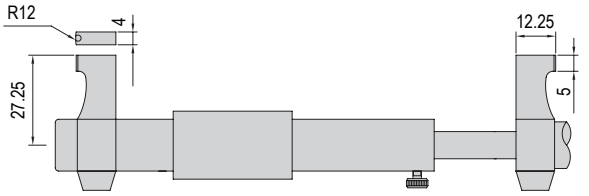
- *gradatie: 0.01 mm*
- *suprafetele de masurare cu carbura*
- *opritor cu clichet*





Tip A

Tip B



Tip C

INSIZE

	Scala	Acuratete	Tip	Inel reglare	
3220-30	5-30 mm	7 µm	A	5 mm (inclus)	**668.85**
3220-50	25-50 mm	8 µm	B	25 mm (inclus)	**721.35**
3220-75	50-75 mm	9 µm	B	50 mm (optional)	**846.30**
3220-100	75-100 mm	10 µm	C	75 mm (optional)	**950.25**

3222

Micrometru mecanic tubular de interior

- *gradatie : 0.01mm*
- *acuratetea : (3 + n + L/50) µm*
  n = numarul de extensii
  L = lungimea maxima de masurat
- *se livreaza cu setul standard de extensii*
- *suprafetele de masurare cu carbura*

Set extensii incluse:

3222-63: -
3222-150: 13 mm, 25 mm, 50 mm
3222-300: 13 mm, 25 mm, 50 mm (2 bucati), 100 mm
3222-500: 13mm, 25 mm, 50 mm (2 bucati), 100 mm, 200 mm
3222-600: 13 mm, 25 mm, 50 mm, 100 mm, 150 mm, 200 mm
3222-1000: 13 mm, 25 mm, 50 mm (2 bucati), 100 mm, 200 mm (2 bucati), 300 mm
3222-1500: 13 mm, 25 mm, 50 mm (2 bucati), 100 mm, 200 mm (3 bucati), 300 mm (2 bucati)



INSIZE

	Scala	Cursa capului micrometric	
3222-63	50-63 mm	13 mm	**789.60**
3222-150	50-150 mm	13 mm	**842.10**
3222-300	50-300 mm	13 mm	**1365.00**
3222-500	50-500 mm	13 mm	**1764.00**
3222-600	50-600 mm	13 mm	**1869.00**
3222-1000	50-1000 mm	13 mm	**2709.00**
3222-1500	50-1500 mm	13 mm	**4000.50**

3240

NOU

Micrometru mecanic tubular de interior

- *gradatie : 0.01mm*
- *potrivit pentru măsurarea diametrului interior pentru dimensiuni mari*
- *tije de extensie, tije vopsite*
- *cu calibru de reglare, cu chei*
- *livrat cu un manual, cutie de lemn*
- *eroare: (3+n+L/50)µm, n= numărul de tije,*
- *L = lungimea maxima care trebuie masurata*



werka

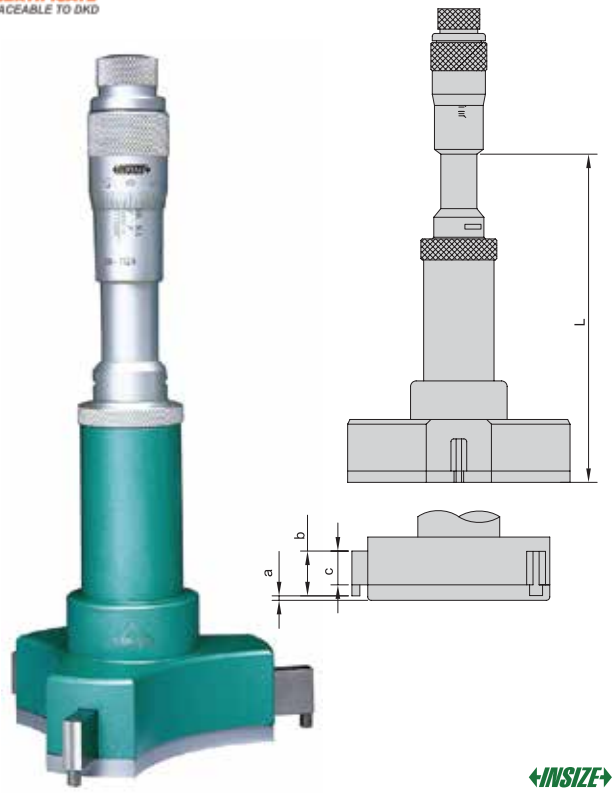
	Scala		Acuratete	Acuratete	
3110-063	50-63 mm	13 mm	----		**715.52**
3110-1501	50-150 mm	13 mm	13, 25, 50 mm		**806.08**
3110-3001	50-300 mm	13 mm	13, 25, 50 (2 buc), 100 mm		**1093.20**
3110-5001	50-500 mm	13 mm	13, 25, 50 (2 buc), 100, 200 mm		**1365.04**
3110-6001	50-600 mm	13 mm	13, 25, 50, 100, 150, 200 mm		**1440.87**
3110-1000	50-1000 mm	13 mm	13, 25, 50 (2 buc), 100, 200 (2 buc), 300 mm		**4522.63**
3110-1500	50-1500 mm	13 mm	13, 25, 50 (2 buc), 100, 200 (3 buc), 300 mm(2 buc)		**8484.83**

3227

Micrometru de interior in 3 puncte

- *in conformitate cu DIN 863-4*
- *gradatii: 0.005 mm*
- *opritor cu clichet*
- *optional: inel reglare (6312)*

INSPECTION CERTIFICATE TRACEABLE TO DKD



INSIZE

	Scala	Acuratete	Inel reglare	L	a	b	c	
3227-8	6-8 mm	±4 µm	Ø6 mm (inclus)	54.5	1.5	2.5	-	**2551.50**
3227-10	8-10 mm	±4 µm	Ø8 mm (inclus)	54.5	1.5	2.5	-	**2551.50**
3227-12	10-12 mm	±4 µm	Ø10 mm (inclus)	54.5	1.5	2.5	-	**2551.50**
3227-16	12-16 mm	±4 µm	Ø16 mm (inclus)	80	0.5	6	4.5	**2037.00**
3227-20	16-20 mm	±4 µm	Ø16 mm (inclus)	80	0.5	6	4.5	**2037.00**
3227-63	50-63 mm	±5 µm	Ø62 mm (inclus)	114	0.5	17.5	14.5	**3664.50**
3227-75	62-75 mm	±5 µm	Ø62 mm (inclus)	114	0.5	17.5	14.5	**3801.00**

- *la comanda se pot aduce in gama de la 6 mm pana la 300 mm*

220

NOU

Ceas comparator

- *gradatie : 0.01mm*
- *in conformitate cu DIN878*
- *carcasă metalica*
- *indicatoare de toleranta interioara*
- *tija ø8mm h6*
- *model normal sau model rezistent la socuri I*
- *cu spate plat sau cu spate cu ureche pentru accesorii*
- *se livrează cu certificat*



werka

	Scala	Gradatie	Ø ceas	Remarca	
220-9231	0 - 5 mm	0.01 mm	42 mm	normal / cu spate plat	-
220-6964	0 - 10 mm	0.01 mm	58 mm	normal	**257.84**

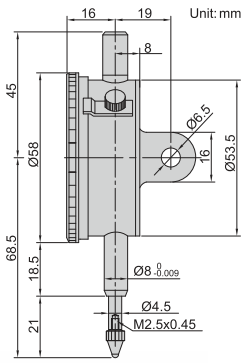
2308

Ceas comparator

- *gradatie: 0.01 mm*
- *lagare cu rubini*
- *se livreaza cu palpator*

JEWELED BEARING

INSPECTION CERTIFICATE TRACEABLE TO DKD





INSIZE

	Scala	Gradatie	Acuratete	Citire	
2308-3A*	3 mm	0.01 mm	14 µm	0-100	**310.80**
2308-5A*	5 mm	0.01 mm	16 µm	0-100	**307.65**
2308-10A*	10 mm	0.01 mm	17 µm	0-100	**215.25**

* *livrat cu certificat de inspectie producator trasabil la NIST USA*

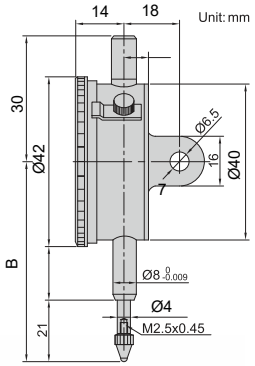
2311

Ceas comparator

- *conform DIN878*
- *lagare cu rubini*
- *se livreaza cu palpator*

JEWELED BEARING

INSPECTION CERTIFICATE TRACEABLE TO DKD





INSIZE

	Scala	Gradatie	Acuratete	Citire	Scala/rev	B	D	
2311-3	3	0.01	12 µm	0-50	0.5	46	10.5	**370.65**
2311-5	5	0.01	14 µm	0-50	0.5	48	12.5	**340.20**

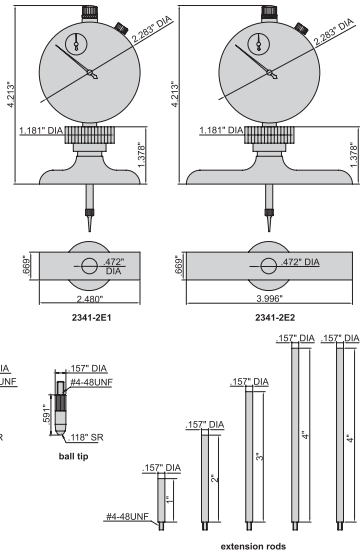
* *livrat cu certificat de inspectie producator trasabil la NIST USA*

2342-202

Ceas comparator cu talpa

- *gradatii ceas comparator: 0.01 mm*
- *acuratete: ±0.03 mm*
- *baza din otel inoxidabil*
- *prelungitoare: 25 mm (1 buc), 50 mm (1 buc), 75 mm (1 buc), 100 mm (2 buc)*
- *livrat cu varf ascutit si sferic*





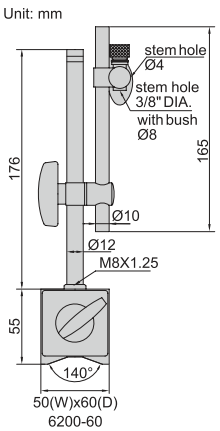
	Scala	Acuratete	Cursa	Baza	
2342-202	0-300	± 0.03 mm	30 mm	101.5 x 17 mm	**1228.50**

6200

Suport magnetic pentru ceas comparator

- *fara reglaj fin*





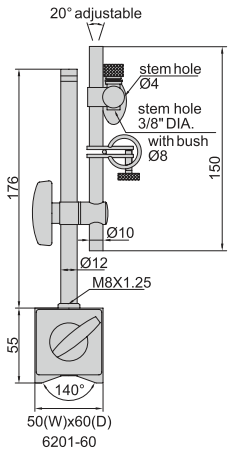
	Forta magnetica	Diametre	
6200-60	60 kgf	Ø8 mm, Ø4 mm, 3/8" DIA	**219.45**

6201

Suport magnetic pentru ceas comparator

- *cu reglaj fin*





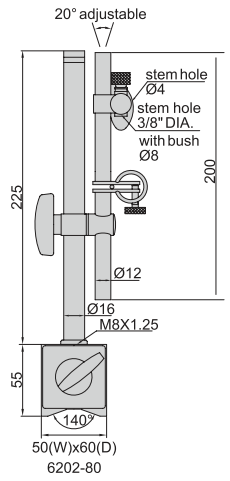
	Forta magnetica	Diametre	
6201-60	60 kgf	Ø8 mm, Ø4 mm, 3/8" DIA	**213.15**

6202-80

Suport magnetic pentru ceas comparator

- *cu reglaj fin*





	Forta magnetica	Diametre	
6202-80	80 kgf	Ø8 mm, Ø4 mm, 3/8" DIA,	**339.15**

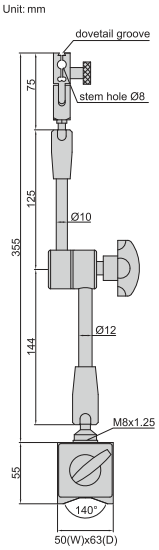
6208-80A

Suport magnetic universal pentru ceas comparator

- *cu reglaj fin*

LOW LOCK FORCE



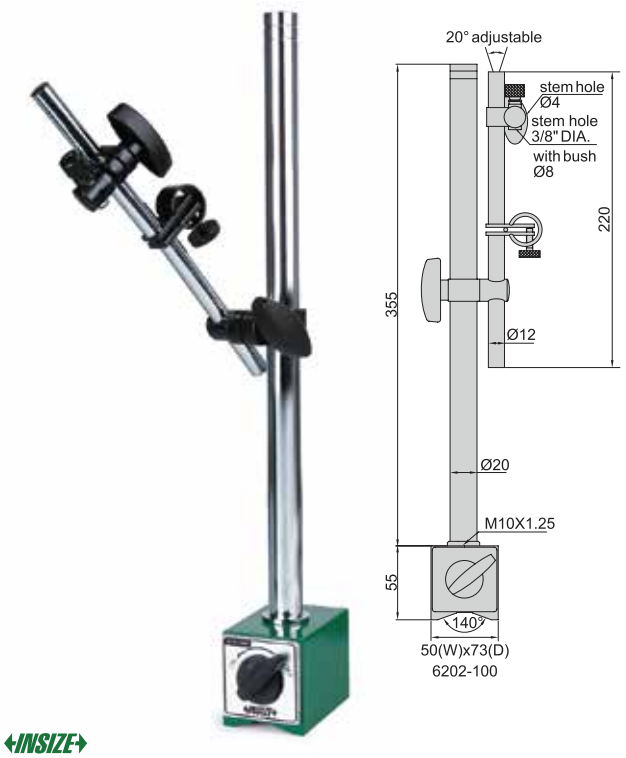


	Forta magnetica	Diametre	
6208-80A	80 kgf	Ø8 mm	**492.45**

6202-100

Suport magnetic pentru ceas comparator

• *cu reglaj fin*



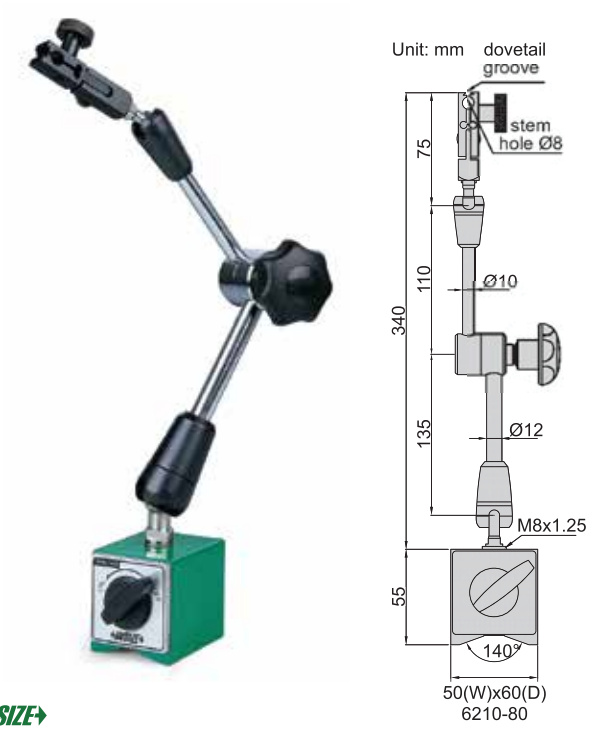
INSIZE

	Forta magnetica	Diametre	
6202-100	100 kgf	Ø8 mm, Ø4 mm, 3/8" DIA	**544.95**

6210-80

Suport magnetic universal pentru ceas comparator

• *cu reglaj fin*



INSIZE

	Forta magnetica	Diametre	
6210-80	80 kgf	Ø8 mm	**895.65**

230-8159 NOU

Suport magnetic pentru ceas comparator

• *model de baza, fara reglaj fin*
• *coloana din doua segmente, Ø12x176mm + Ø10x160mm*
• *pentru comparatoare cu diametrul tijei Ø8mm si Ø6,5mm*
• *baza prismatica magnetic cu buton on/off*
• *ambalat in cutie de carton*



werka

	Forta magnetica	Dimensiuni	
230-8159	60 kgf	58x50x55 mm	**163.27**

230 NOU

Suport magnetic pentru ceas comparator

• *model de baza, cu reglaj fin*
• *coloana din doua segmente,*
• *pentru comparatoare cu diametrul tijei Ø8mm si Ø6,5mm*
• *baza prismatica magnetic cu buton on/off*
• *ambalat in cutie de carton*



werka

	Forta magnetica	Dimensiuni baza	Coloana principala	Ramificatia coloanei	
230-8166	60 kgf	58x50x55 mm	Ø12x176mm	Ø10x160mm	**170.23**
230-8173	60 kgf	58x50x55 mm	Ø16x225mm	Ø12x190mm	**200.41**

230 NOU

Suport magnetic pentru ceas comparator

• *model de baza, cu reglaj fin*
• *coloana din doua segmente,*
• *pentru comparatoare cu diametrul tijei Ø8mm si Ø6,5mm*
• *baza prismatica magnetic cu buton on/off*
• *ambalat in cutie de carton*



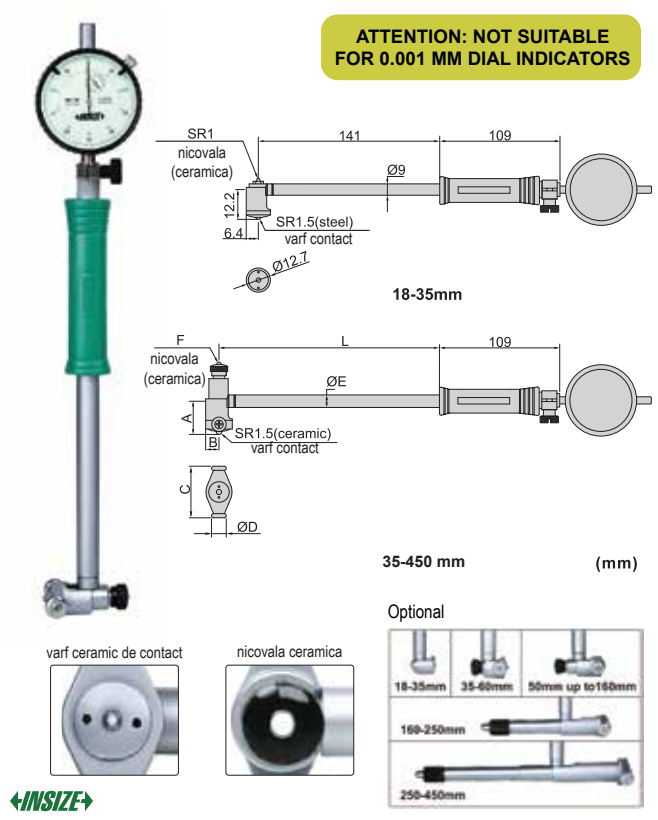
werka

	Forta magnetica	Dimensiuni baza	Coloana principala	Remarca	
230-8180	80 kgf	58x50x55 mm	-	-	**283.59**
230-8197	80 kgf	58x50x55 mm	155+185 mm	-	**560.60**

2322

Trusa de masurat alezaje, cu ceas comparator

- *ceas comparator cu cursa de 10 mm (cod 2308-10FA)*
- *gradatii: 0.01 mm*



	Scala	Acuratete	Repetabilitate	
2322-35A	18-35 mm	±0.015 mm	0.003 mm	**951.30**
2322-60A	35-60 mm	±0.018 mm	0.003 mm	**973.35**
2322-100A	50-100 mm	±0.018 mm	0.003 mm	**1012.20**
2322-160A	50-160 mm	±0.018 mm	0.003 mm	**993.30**
2322-161A	100-160 mm	±0.018 mm	0.003 mm	**1134.00**
2322-250A	160-250 mm	±0.018 mm	0.003 mm	**1459.50**
2322-450A	250-450 mm	±0.018 mm	0.003 mm	**1774.50**

3227

NOU

Trusa de masurat alezaje, cu ceas comparator

- *ceas comparator cu cursa de 10 mm*
- *gradatii: 0.01 mm*

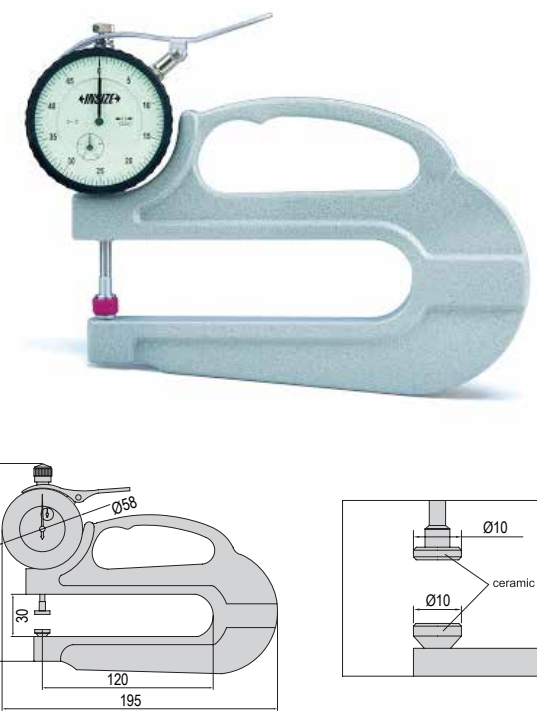


werka

	Scala	Acuratete	Repetabilitate	Adancime masurare	
220-7138	18-35 mm	±0.015 mm	0.003 mm	150 mm	**795.17**
220-7145	35-60 mm	±0.018 mm	0.003 mm	150 mm	**801.53**
220-7152	50-160 mm	±0.018 mm	0.003 mm	150 mm	**804.62**
220-9552	160-250 mm	±0.018 mm	0.003 mm	250 mm	**930.46**
220-9569	250-450 mm	±0.018 mm	0.003 mm	250 mm	**1043.38**

2365-10

Dispozitiv cu ceas comparator pentru masurat grosimi

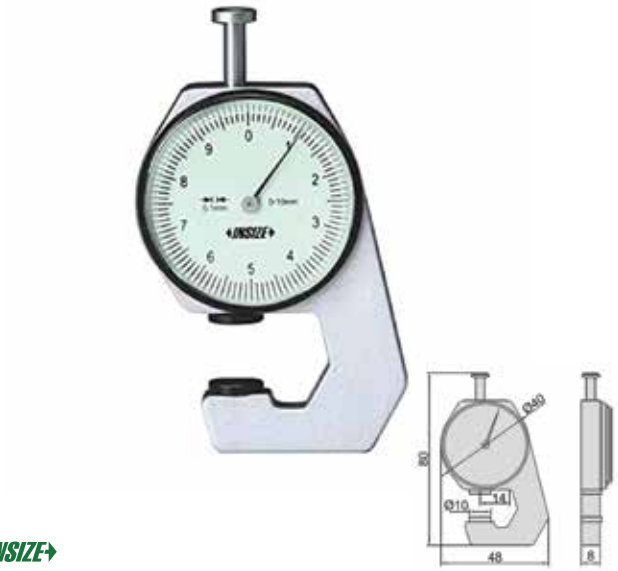


	Scala	Acuratete	Igradatii	Tip	
2365-10	0-10 mm	±0.02 mm	0.01 mm	A	**910.35**

2361-10

Dispozitiv cu ceas comparator pentru masurat grosimi

- *acuratete: ±0.05 mm*
- *scala: 0-10 mm*
- *gradatii: 1 mm*



	Scala	Acuratete	citire	
2361-10	0-10 mm	±0.05 mm	1 mm	**362.25**

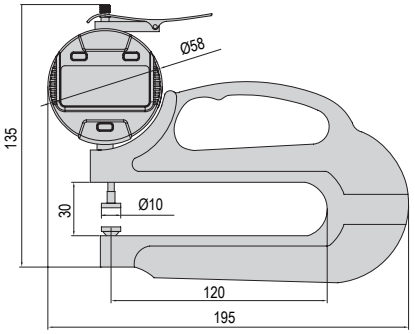
2872

Dispozitiv digital pentru masurat grosimi

DATA OUTPUT

- *varf si nicovala ceramice*
- *butoane: on/off, zero, mm/inch*
- *baterie CR2032, oprire automata*
- *iesire date*
- *optional: cablu date (cod 7315-, 7302-, 7305-)*





INSIZE

	Scala	Acuratete	Rezolutie	
2872-10	0 - 10 mm	±0.02 mm	0.01 mm / 0.0005"	**1375.50**

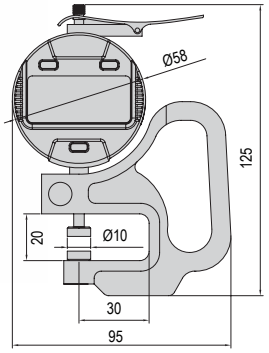
2871

Dispozitiv digital pentru masurat grosimi

- *varf si nicovala ceramice*
- *butoane: on/off, zero, mm/inch*
- *baterie CR2032, oprire automata*
- *iesire date*
- *optional: cablu date (cod 7315-, 7302-, 7305-)*

DATA OUTPUT





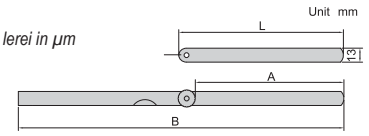
INSIZE

	Scala	Acuratete	Rezolutie	
2871-10	0 - 10 mm	±0.02 mm	0.01 mm / 0.0005"	**1060.50**
2871-101	0 - 10 mm	±0.005 mm	0.001 mm / 0.00005"	**2331.00**

4605

Lere de grosime

- *material: otel aliat tratat*
- *in conformitate cu DIN 2275*
- *acuratete ±(3+T/80)µm, T este grosimea lerei in µm*





INSIZE

	Dimensiune	Lere	Piese	L	A	B	
4605-13	0.05-1.00 mm	0.05, 0.10, 0.15, 0.20,0.25, 0.30, 0.40, 0.50,0.60, 0.70, 0.80, 0.90, 1.00	13	150	135	295	**79.28**
4605-131	0.05-1.00 mm	0.05, 0.10, 0.15, 0.20,0.25, 0.30, 0.40, 0.50,0.60, 0.70, 0.80, 0.90, 1.00	13	200	185	395	**92.19**
4605-132	0.05-1.00 mm	0.05, 0.10, 0.15, 0.20,0.25, 0.30, 0.40, 0.50,0.60, 0.70, 0.80, 0.90, 1.00	13	300	285	590	**130.20**
4605-201	0.05-1.00 mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	200	185	395	**121.80**
4605-202	0.05-1.00 mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	300	285	590	**179.55**

260

NOU

Lere de grosime, lungime 100 mm

- *lere de precizie*
- *lamele fabricate din otel pentru arcuri calit*
- *lame de forma conica in lungime de 100 mm*
- *suport nichelat cu piulita de blocare*
- *ambalat in pungă de plastic*



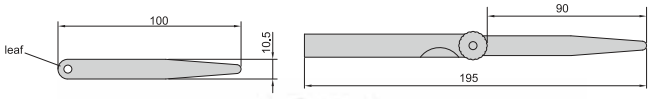
werka

	Dimensiune	Lere	Piese	L	
260-2492	0.05-1.00 mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.08, 0.90, 1.00	13	100	**22.73**
260-2508	0.05-1.00 mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	100	**31.09**

4602

Lere de grosime

- *material: otel aliat tratat*
- *in conformitate cu DIN 2275*
- *acuratete ±(3+T/80)µm, T este grosimea lerei in µm*





INSIZE

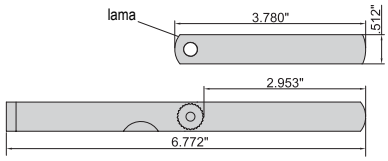
	Dimensiune	Lere	Piese	
4602-13A	0.03-0.50 mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.30, 0.40, 0.50	13	**50.40**
4602-13	0.05-1.00 mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.08, 0.90, 1.00	13	**30.24**
4602-17	0.02-1.00 mm	0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.75, 1.00	17	**52.71**
4602-32	0.03-1.00 mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.13, 0.15, 0.18, 0.20, 0.23, 0.25, 0.28, 0.30, 0.33, 0.35, 0.40, 0.45,0.50, 0.55, 0.60, 0.63, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1.00	32	**82.01**

4608-31

Lere de grosime 32 piese

- *dimensiunea de .010"este fabricata din alama*
- *restul dimensiunilor realizate din otel aliat tratat*
- *fiecare lama este marcata in inch / metric*





INSIZE

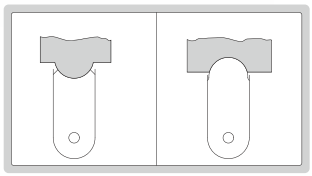
	Dimensiuni	Lere	Acuratete	
4608-31	0.0015"-0.035"/32	.010" (alama)	± .0002"	**72.14**
		.0015", .002"	± .0002"	
		.0025", .003", .004", .005", .006", .007"	± .00028"	
		.008", .009"	± .00035"	
		.010", .011"	± .00039"	
		.012", .013"	± .00047"	
		.014", .015"	± .00051"	
		.016", .017"	± .00055"	
		.018", .019"	± .00059"	
		.020", .021"	± .00067"	
		.022", .023"	± .00071"	
		.024", .025", .026"	± .00075"	
		.028"	± .00091"	
		.030"	± .00094"	
		.032", .035"	± .00102"	

4801

Lere pentru raze

- *material: otel aliat tratat*
- *profil concav si convex*





INSIZE

	Dimensiune	Lere	Piese	Acuratete	
4801-17	1-7 mm	1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7	17+17	± 0.03 mm	**124.95**
4801-16	7.5-15 mm	7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15	16+16	± 0.035 mm	**127.05**
4801-15	15.5-25 mm	15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 21, 22, 23, 24, 25	15+15	± 0.042 mm	**127.05**

701

Lere de grosime

- *certificat de conformitate*
- *otel inoxidabil*



UNIOR

	Dimensiune	Piese	
601896	0.05 - 0.5	8	**33.11**
601897	0.05 - 1	13	**48.52**
601898	0.05 - 1	20	**75.41**

701A

Set lere pentru verificare filete

- *certificat de conformitate*
- *otel inoxidabil*
- *metric-scala: 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.60, 0.70, 0.75, 0.80, 0.90, 1.0, 1.25, 1.50, 1.75, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0 (24 lere)*
- *whitworth - scala: 4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62 (28 piese)*
- *aceste lere de filet sunt folosite pentru masurarea filetelor interioare si exterioare in metric si whitworth*



UNIOR

	Dimensiune	Piese	
616706	-	52	**62.62**

4820-452

Lere de filet

- *pentru filete: 4, 4-1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62TPI*

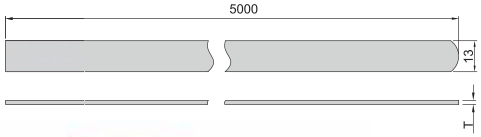


	Gama	Pasul surubului	Acuratete	Nr. lere	
4820-452	0.25-6.0 mm	4-62 TPI	±0.07 mm	52	**80.33**

4621

Lere de grosime banda

- *material: otel tratat*
- *lungime: 5 m*
- *latime: 13 mm*



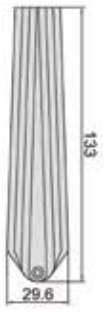


	Grosime	Acuratete	
4621-02	0.02 mm	± 4 µm	**120.75**
4621-03	0.03 mm	± 4 µm	**95.45**
4621-04	0.04 mm	± 4 µm	**96.60**
4621-05	0.05 mm	± 4 µm	**71.72**
4621-06	0.06 mm	± 4 µm	**72.24**
4621-08	0.08 mm	± 5 µm	**72.66**
4621-09	0.09 mm	± 5 µm	**72.77**
4621-10	0.10 mm	± 5 µm	**72.24**
4621-15	0.15 mm	± 6 µm	**73.19**

4837-1

Set lere tip pana

- *include 4 piese: 1-8 mm, 8-15 mm, 15-22 mm, 22-29 mm*
- *pentru masurarea deschiderilor, a interstitiilor, a diametrului gaurilor*
- *tabelul de corectie al diametrelor, pe spatele riglei*
- *realizata din otel inoxidabil*



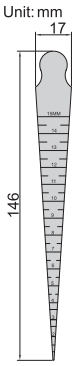


	Dimensiune	Gradatii	Acuratete	L	W	
4837-1	1-29 mm	0.05 mm	± 0.05 mm	133	29.6	**405.30**

4833-1

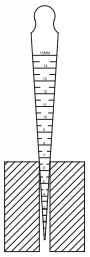
Rigla conica cu gradatii

- *pentru masurarea deschiderilor, a interstitiilor, a diametrului gaurilor*
- *tabelul de corectie al diametrelor, pe spatele riglei*
- *realizata din otel inoxidabil*





La masurarea diametrelor gaurilor, corectia la citire se face in functie de grosimea riglei conice. De exemplu, daca dimensiunea A este 14,96 mm, diametrul ØD este de 15 mm



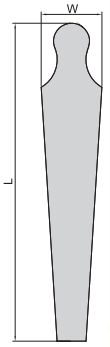
masurare interstitii

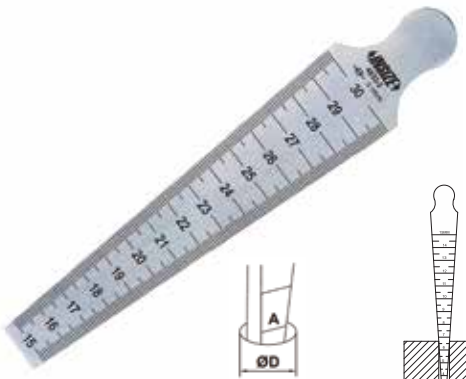
	Dimensiune	Gradatii	Acuratete	L	W	
4833-1	0.8-15 mm	0.1 mm	± 0.1 mm	146	17	**69.62**

4833-2

Rigla conica cu gradatii

- *pentru masurarea deschiderilor, a interstitiilor, a diametrului gaurilor*
- *tabelul de corectie al diametrelor, pe spatele riglei*
- *realizata din otel inoxidabil*





La masurarea diametrelor gaurilor, corectia la citire se face in functie de grosimea riglei conice. De exemplu, daca dimensiunea A este 14,96 mm, diametrul ØD este de 15 mm

masurare interstitii

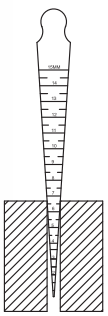
	Dimensiune	Gradatii	Acuratete	L	W	
4833-2	15-30 mm	0.1 mm	± 0.1 mm	159	30.4	**124.95**

4833-4

Rigla conica cu gradatii

- *pentru masurarea deschiderilor, a interstitiilor, a diametrului gaurilor*
- *tabelul de corectie al diametrelor, pe spatele riglei*
- *realizata din otel inoxidabil*





	Gama	Gradatii	Acuratete	L	W	
4833-4	45-60 mm	0.1 mm	±0.1 mm	170	60.5	**197.40**

5122 NOU

Lere de grosime banda (ruleta)

- *etalon de masurare a interstitiilor*
- *pentru industria automobilelor si a motoarelor, pentru a seta cu precizie spatierea*
- *fabricat din oțel pentru arcuri*
- *lungime 5 m, latime 12,7 mm*
- *cutie de plastic*



werka

	Grosime	Acuratete	
5122-002	0.02 mm	± 4 µm	153.83
5122-003	0.03 mm	± 4 µm	79.64
5122-004	0.04 mm	± 4 µm	79.64
5122-005	0.05 mm	± 4 µm	60.92
5122-006	0.06 mm	± 4 µm	60.92
5122-008	0.08 mm	± 5 µm	60.92
5122-009	0.09 mm	± 5 µm	60.92
5122-010	0.10 mm	± 5 µm	60.92
5122-015	0.15 mm	± 6 µm	60.92
5122-016	0.16 mm	± 7 µm	61.28
5122-018	0.18 mm	± 7 µm	61.28
5122-020	0.20 mm	± 8 µm	61.28
5122-022	0.22 mm	± 8 µm	61.28
5122-025	0.25 mm	± 9 µm	61.28
5122-030	0.30 mm	± 9 µm	61.28
5122-035	0.35 mm	± 11 µm	61.28
5122-040	0.40 mm	± 12 µm	64.37
5122-050	0.50 mm	± 14 µm	64.37
5122-060	0.60 mm	± 14 µm	86.92

260 NOU

Lere pentru raze

- *lere pentru raze*
- *lame cu forma concava si convexa*
- *fabricat din otel moale*
- *ambalat in punga de plastic*



werka

	Dimensiune	Lere	Piese	
260-2584	0,4 - 6 mm	1/ 1.25 / 1.5 /1.75 /2.0 /2.25 / 2.5 / 2.75 /3.0 /3.5/4.0 /4.5 /5 / 5.5 /6.0 /6.5 /7.0	17+17	76.92
260-2591	0,5 - 10 mm	7.5 /8 /8.5 /9 /9.5 /10 /10.5 /11 /11.5 /12 /12.5 /13/13.5 /14 / 14.5 /15	16+16	87.64
260-2607	0,5 - 15 mm	15.5 /16 /16.5 /17 /17.5 /18 / 18.5 / 19 /19.5 /20/21 /22 /23 / 24 /25	15+15	87.64

2601 NOU

Rigla conica cu gradatii

- *pentru masurarea rapida a interstitiilor*
- *suprafata de citire satinata*
- *realizata din otel inoxidabil*



werka

	Dimensiune	Gradatii	Acuratete	
2601-06A	0,4 - 6 mm	0.05 mm	± 0.04 mm	272.39
2601-10A	0,5 - 10 mm	0.05 mm	± 0.07 mm	289.12
2601-15A	0,5 - 15 mm	0.10 mm	± 0.08 mm	305.85

2601 NOU

Rigla conica cu gradatii, pentru masurat interstitii

- *pentru masurarea rapida a latimii spatiului*
- *fabricat din otel inoxidabil*
- *cromare satinata*



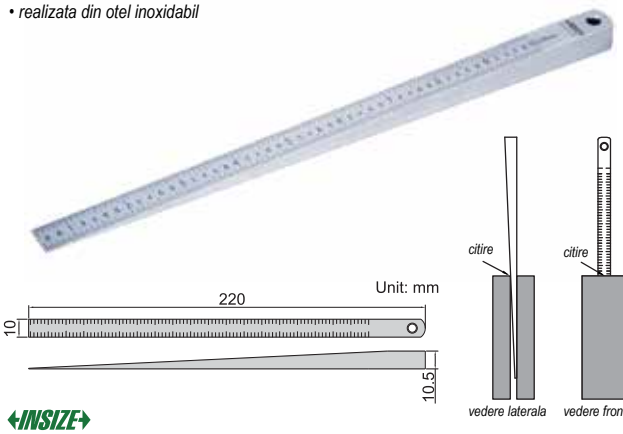
werka

	Dimensiune	Gradatii	Acuratete	
2601-15B	1-15 mm	0.1 mm	± 0.1 mm	44.55
2601-30B	15-30 mm	0.1 mm	± 0.1 mm	64.73
2601-45B	30-45 mm	0.1 mm	± 0.1 mm	71.46
2601-60B	45-60 mm	0.1 mm	± 0.1 mm	84.74

4630-1

Rigla conica cu gradatii

- *pentru masurarea rapida a interstitiilor*
- *suprafata de citire satinata*
- *realizata din otel inoxidabil*



INSIZE

	Dimensiune	Gradatii	Acuratete	L	a	b	
4630-1	0,5 - 10 mm	0.05 mm	± 0.07mm	220	10	10.5	318.15
4630-2	0,5 - 15 mm	0.10 mm	± 0.08mm	184	12.5	16.5	527.10
4630-3	0,4 - 6 mm	0.05 mm	± 0.04mm	164	12.5	6.5	454.65

6832-1 NOU

Subler sudura

- *fabricat din oțel inoxidabil*
- *potrivit pentru inspectarea imbinărilor sudate plane și in colțuri*
- *unit. [mm] si [°]*



fata



spate

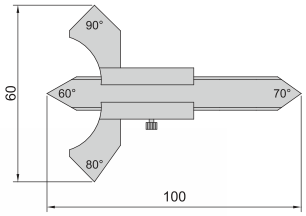
werka

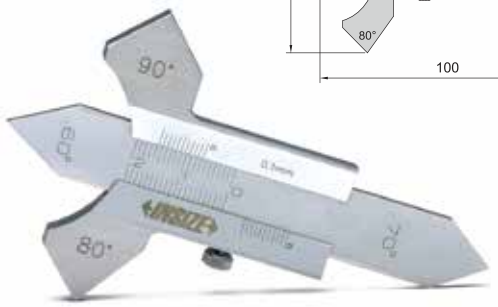
	Masuratori	Domeniu	Scala	Acuratete	
269-040	inaltime cordon sudura	0-10 mm	1 mm	± 0,5 mm	222.20
	inaltime picior	0-14 mm	1 mm	± 0,5 mm	
	adancimea sub cota	0-5 mm	0.05 mm	± 0,05 mm	
	dimensiune cordon	0-13 mm	1 mm	± 0,5 mm	
	latime cordon sudura	0-40 mm	1 mm	± 1 mm	
	unghi	90°-150°	5°	± 1°	
	deschidere	0.5-5 mm	1 mm	± 0,5 mm	
	lungime	0-40 mm	1 mm	± 0,5 mm	
	L x W		62 x 77 mm		

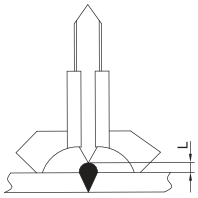
4830

Subler sudura

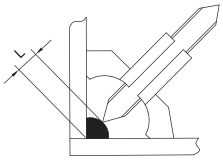
- *material: otel inoxidabil*
- *cromare satinata*



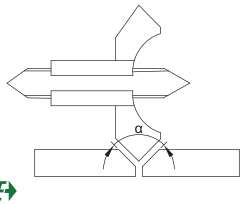


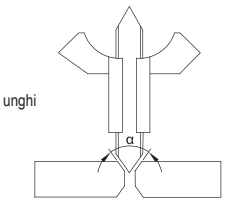


inaltime cordon



dimensiune sudura de colt





unghi

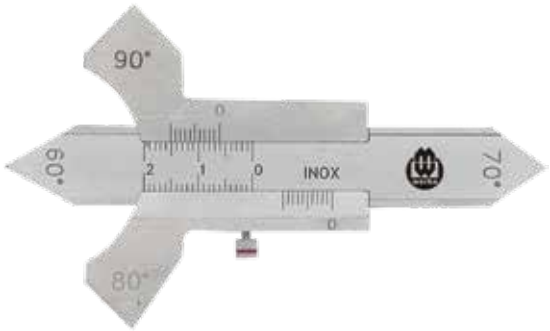
INSIZE

	Masuratori	Domeniu	Scala	Acuratete	
4830	inaltime cordon	0-8 mm	0,1 mm	± 0,1 mm	273.00
	dim. sudura de colt	0-20 mm	1 mm	± 0,3 mm	
	unghi	60°, 70°, 80°, 90°	-	± 1°	

4830 NOU

Subler mecanic sudura

- *fabricat din oțel inoxidabil*
- *potrivit pentru inspectarea imbinărilor sudate plane si in colturi*
- *pentru unghi 60°, 70°, 80°, 90°*
- *scala cromata satinata*



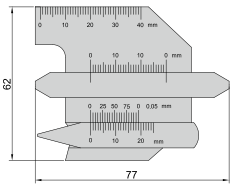
werka

	Masuratori	Domeniu	Scala	Acuratete	
269-020	inaltime cordon	0-8 mm	0,1 mm	± 0,1 mm	100.01
	dim. sudura de colt	0-20 mm	0.1 mm	± 0,3 mm	
	unghi	60°, 70°, 80°, 90°	-	± 1°	

4838-1

Subler sudura

• *material: otel inoxidabil*

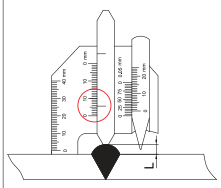




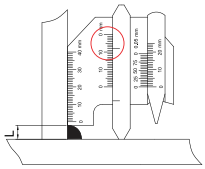
fata



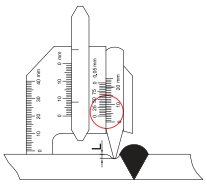
spate



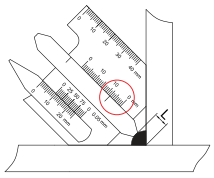
inaltime coroana



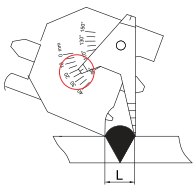
inaltime picior



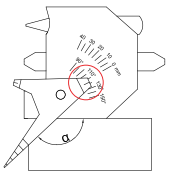
adancime sub cota



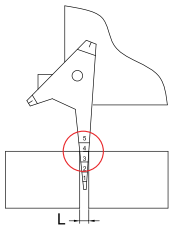
dimensiune cordon



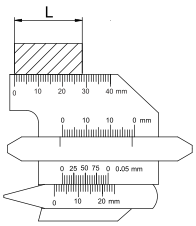
latime cordon sudura



unghi



deschidere



lungime

INSIZE

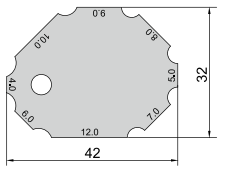
	Masuratori	Domeniu	Scala	Acuratete	
4838-1	inaltime cordon	0-10 mm	1 mm	± 0,5 mm	331.80
	inaltime picior	0-14 mm	1 mm	± 0,5 mm	
	adancimea sub cota	0-5 mm	0.05 mm	± 0,5 mm	
	dimensiune cordon	0-13 mm	1 mm	± 0,5 mm	
	lungime sudura	0-40 mm	1 mm	± 1 mm	
	unghi	90°-150°	5°	± 1°	
	deschidere	0.5-5 mm	1 mm	± 0,5 mm	
	lungime	0-40 mm	1 mm	± 0,5 mm	
4838-2	inaltime cordon	0-15 mm	1 mm	± 0,5 mm	429.45
	inaltime picior	0-15 mm	1 mm	± 0,5 mm	
	adancimea sub cota	0-5 mm	0.05 mm	± 0,05 mm	
	dimensiune cordon	0-13 mm	1 mm	± 0,5 mm	
	lungime sudura	0-60 mm	1 mm	± 1 mm	
	unghi	80°-160°	5°	± 1°	
	deschidere	1-6 mm	1 mm	± 0,5 mm	
	lungime	0-50 mm	1 mm	± 0,5 mm	

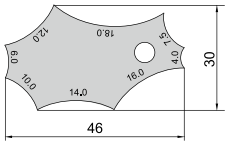
4832-1

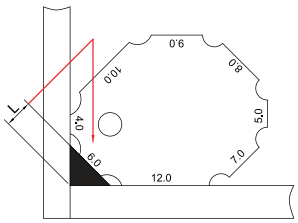
Sablon pentru sudura

• *material: otel inoxidabil*
• *marcaj pe ambele fete*

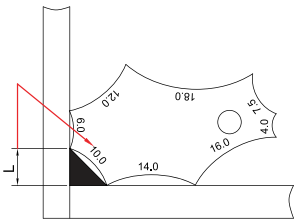








inaltime cordon



inaltime picior

INSIZE

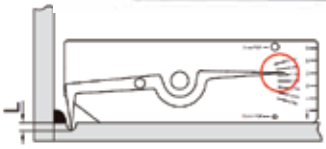
	Masuratori	Domeniu	Acuratete	
4832-1	inaltime cordon	4, 5, 6, 7, 8, 9, 10, 12	± 0,5 mm	119.70
	inaltime picior	4, 6, 7.5, 10, 12, 14, 16, 18	± 0,5 mm	

4834-1

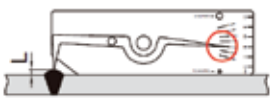
Sablon sudura

• *indicatorul poate fi blocat pentru referinte ulterioare*
• *material: otel inoxidabil*
• *scala gravata cu laser*

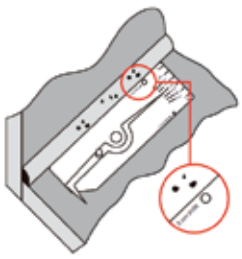




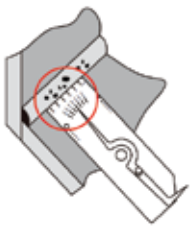
adancime sub cota



inaltime coroana



compararea marimii porozitatii



porozitatea per 24 mm

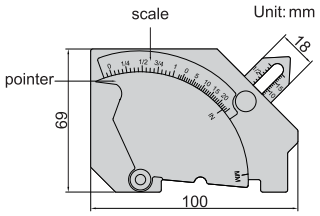
INSIZE

	Masuratori	Domeniu	Scala	Acuratete	
4834-1	inaltime cordon	0-6 mm	0.5 mm	± 0,5 mm	232.05
	adancimea sub cota	0-6 mm	0.5 mm	± 0,5 mm	
	dimensiune porizitate	1.5 mm, 3 mm	-	± 0,2 mm	
	porozitate per 25 mm	25 mm	1.0 mm	-	

4835-1

Subler sudura

• *material: otel inoxidabil*

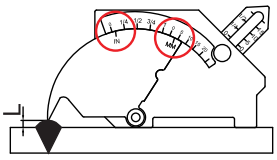




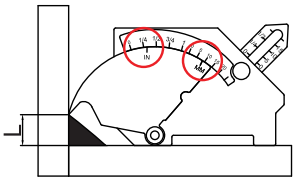
fata



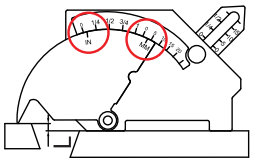
spate



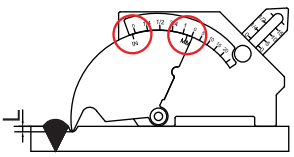
inaltime cordon sudura



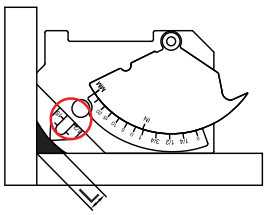
inaltime picior sudat
(inaltimea cordonuli de colt)



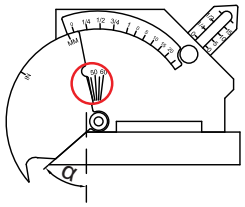
nealiniere (jos - sus)



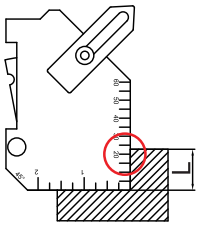
adancimea sub cota



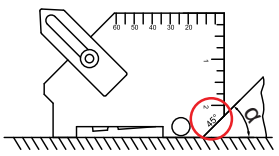
grosime cordon sudura
de colt



unghiul de pregatire



lungime



unghi 45°

INSIZE

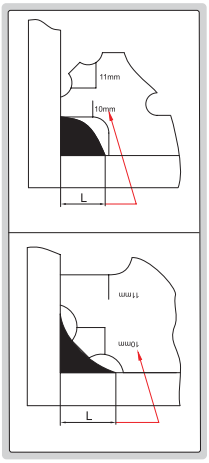
	Masuratori	Domeniu	Scala	Acuratete	
4835-1	inaltime cordon sudura	0-25 mm (0-1")	1 mm (1/16")	± 0,5 mm	**333.90**
	inaltime picior sudat (inaltimea cordonuli de colt)	0-25 mm (0-1")	1 mm (1/16")	± 0,5 mm	
	nealiniere (jos - sus)	0-25 mm (0-1")	1 mm (1/16")	± 0,5 mm	
	adancimea sub cota	0-2 mm (0-1/8")	1 mm (1/16")	± 0,5 mm	
	grosime cordon sudura de colt	0-20 mm (0-3/4")	1 mm (1/16")	± 0,5 mm	
	unghiul de pregatire	0°-60°	5°	± 1°	
	lungime	0-60 mm (0-2")	1 mm (1/16")	± 0,5 mm	
	unghi 45°	-	-	± 1°	

4836-1

Set lere sudura

• *masurarea cordonului de sudura, convex si concav*
• *material: otel inoxidabil*
• *7 lere incluse*





INSIZE

	Dimensiune	Acuratete	
4836-1	3-25 mm	±0.05 mm	**252.00**

6832-1

Sablon sudura

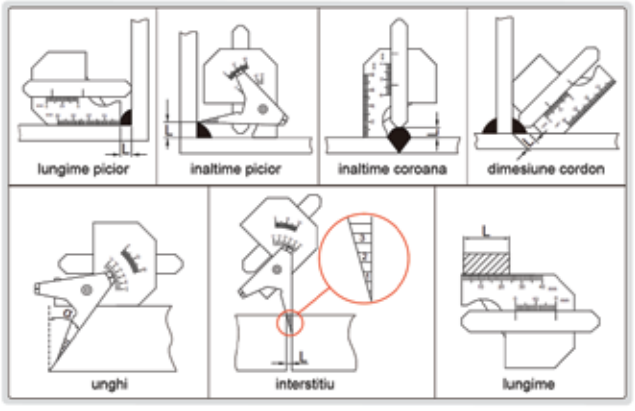
• *material: otel inoxidabil*



fata



spate



INSIZE

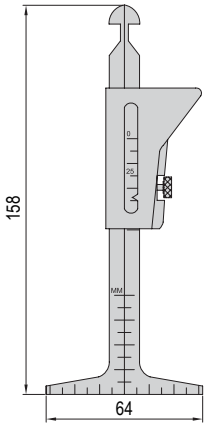
	Masuratori	Domeniu	Scala	Acuratete	
6832-1	lungime picior	0-10 mm	0.1 mm	± 0,1 mm	**397.95**
	inaltime picior	0-20 mm	1 mm	± 0,5 mm	
	inaltime coroana	0-10 mm	0.1 mm	± 0,1 mm	
	dimensiune cordon	0-10 mm	0.1 mm	± 0,1 mm	
	unghi	0°-60°	5°	± 1°	
	deschidere	1-3.5 mm	0.5 mm	± 0,5 mm	
	lungime	0-40 mm	1 mm	± 0,5 mm	

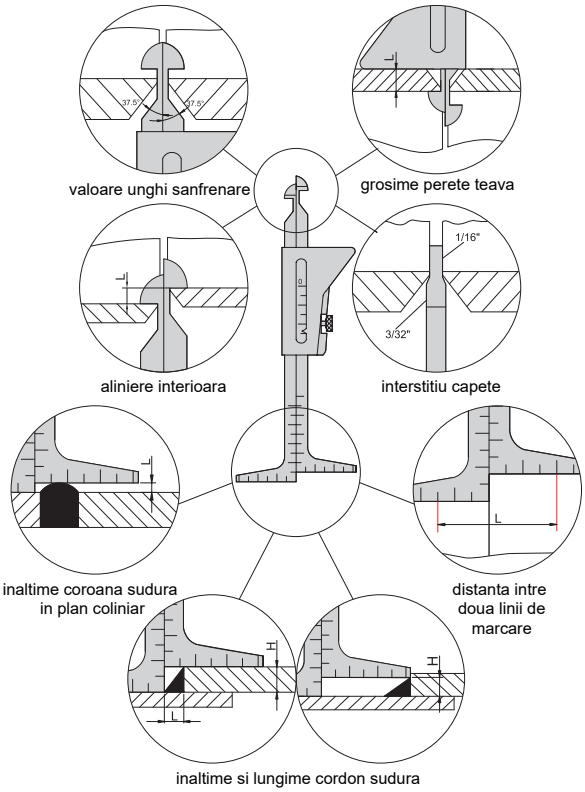
4839-1

Dispozitiv verificare suduri tevi

• *material: otel inoxidabil*







INSIZE

	Masuratori	Domeniu	Scala	Acuratete	
4839-1	valoare unghi sanfrenare	37.5°	-	± 1°	**496.65**
	grosime perete	0-45 mm	1 mm	± 0,5 mm	
	aliniere interioara	0-35 mm	1 mm	± 0,5 mm	
	interstitiu capete	1.6 mm, 2.4 mm	-	± 0,1 mm	
	inaltime coroana	0-35 mm	1 mm	± 0.5 mm	
	distanta intre doua repere	0-60 mm	1 mm	± 0.5 mm	
	lungime cordon	0-30 mm	1 mm	± 0,5 mm	
	inaltime cordon	0-35 mm	1 mm	± 0,5 mm	

4120

Calibru inel

INSPECTION CERTIFICATE

• *conformn standard ISO1502*
• *se livreaza cu certificatul de inspectie al producatorului*



trece



nu trece

INSIZE

	Pas	Toleranta	Tip	
4120-4	M 4 x 0.7	6g	trece	**336.00**
4120-5	M 5 x 0.8	6g	trece	**336.00**
4120-6	M 6 x 1.0	6g	trece	**300.30**
4120-8	M 8 x 1.25	6g	trece	**300.30**
4120-10	M 10 x 1.5	6g	trece	**347.55**
4120-12	M 12 x 1.75	6g	trece	**308.70**
4120-4N	M 4 x 0.7	6g	nu trece	**322.35**
4120-5N	M 5 x 0.8	6g	nu trece	**322.35**
4120-6N	M 6 x 1.0	6g	nu trece	**278.25**
4120-8N	M 8 x 1.25	6g	nu trece	**300.30**
4120-10N	M 10 x 1.5	6g	nu trece	**302.40**
4120-12N	M 12 x 1.75	6g	nu trece	**277.20**

4130

Calibru tampon

INSPECTION CERTIFICATE

• *conformn standard ISO1502*
• *se livreaza cu certificatul de inspectie al producatorului*



INSIZE

	Pas	Toleranta	Tip	
4130-4	M 4 x 0.7		trece / nu trece	**224.70**
4130-5	M 5 x 0.8		trece / nu trece	**224.70**
4130-6	M 6 x 1.0		trece / nu trece	**224.70**
4130-8	M 8 x 1.25		trece / nu trece	**224.70**
4130-10	M 10 x 1.5		trece / nu trece	**256.20**
4130-12	M 12 x 1.75		trece / nu trece	**291.90**
4130-45	M 45 x 4.5		trece / nu trece	**697.20**

ISQ-RM30

Refractometru pentru lichid racire 0-32%

• *pentru masurarea rapida a concentratiei lichidului de racirei*
• *respectati factorul de refractie al lichidului de racire (exemplu: factorul de refractie al lichidului de racire este 2,1, valoarea de citire este de 6%, deci concentratia reala este (2,1 × 6%) = 12,6%)*



INSIZE

	Gama de masurare	Gradatii	Dimensiune	Greutate	
ISQ-RM30	0 - 32%	2%	27 x 40 x 160	175	**619.62**

ISR-C002

Rugozimetru digital

- *masoara 21 parametri de rugozitate*
- *conectare la imprimanta prin USB*
- *afisare valoare rugozitate, profil si curba*
- *software pentru PC (pentru prelucrarea datelor la calculator)*
- *memorie pentru 100 valori masurate*
- *inchidere automata*

Caracteritici tehnice:

- *parametrii: Ra, Rz, Rq, Rv, Rp, RS, R3z, R3y, Rt, Rz (JIS), Rk, Rk, Rsm, Rpc, Rkk, Rvk, Rsk, M1, M2, Ry (JIS), Rmax*
- *interval: 160 µm*
- *acuratete: ± 10%*
- *rezolutie (Ra): 0,001 µm*
- *tip sonda: inductiv*
- *raza / unghi sonda: 5 µm / 90°*
- *material sonda: diamant*
- *forta de masurare: 4 Nm*
- *unitati de masura: µm / µin*
- *decupare: 0.25 / 0.8 / 2.5 mm*
- *numar de intreruperi: de la 1 la 5*
- *viteza de traversare: 0.5 mm/s, 1mm/s*
- *memorie: 100 de rezultate de masurare*
- *iesire: USB*
- *alimentare: baterie incorporata*
- *dimensiuni: 141x55x40 mm*
- *greutate: 400 g*

Set de livrare:

- *manual de utilizare*
- *surubelnita*
- *sonda standard*
- *bloc de calibrare si suport*
- *stand ajustabil*
- *cablu USB si Software pentru PC*
- *incarcator AC/DC*
- *rugozimetru*
- *certificat de inspectie de la producator*





rezultat masurare


analiza Rmr


profil rugozitate

	interval	acuratete	dimensiuni	greutate	
ISR-C002	160 µm	± 10%	141x55x40 mm	400 g	**10974.74**

ISQ-DRM31

Refractometru digital pentru lichid racire 0-50%

- *pentru masurarea rapida a concentratiei lichidului de racirei*
- *două moduri de masurare: masurare simpla si masurare automata medie multipla*
- *respectati factorul de refractie al lichidului de racire (exemplu: factorul de refractie al lichidului de racire este 2,1, valoarea de citire este de 6%, deci concentratia reala este (2,1 × 6%) = 12,6%)*
- *oprire automata*
- *alimentare: 1 x baterie AAA*
- *acuretete: ±0.2% (±0.0003RI)*
- *pipeta iclusa*



	Gama de masurare	Citire	Dimensiune	Greutate	
ISQ-DRM31	0 - 50% (1.3330-1.4200RI)	0.1% (0.0001RI)	121 x 58 x 25	90	**3006.44**

ISR-C002-STAND1

Stand pentru rugozimetru digital C002

- *inaltime maxima piesa: 220 mm*



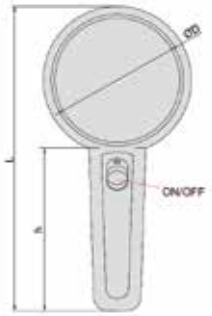
	Inaltime maxima piesa	
ISR-C002-STAND1	220 mm	**4986.30**

7513-4

Lupa, marire 4X, cu LED

- *rama si maner din plastic*
- *butoane: ON/ OFF pentru aprindere / stingere LED-uri*
- *functioneaza cu 3 baterie AAA*



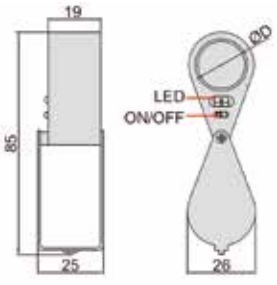


	Marire	Diametru	
7513-4	4x	Ø50 mm	**63.42**

7515-10

Lupa pliabila cu LED

- *lantile din sticla*
- *prevazuta cu LED*
- *baterii 3 x LR927*





	Marire	Diametru	
7515-10	10X	21 mm	**75.71**

7512-1

Lupa bifocala cu 10 LED

- *lantile din sticla*
- *prevazuta cu 10 LED*
- *baterii 2 x AA (incluse) sau adaptor alimentare 220 V*



INSIZE

	Marire	Diametru ØD	Diametru Ød	
7512-1	2X/4X	Ø120 mm	Ø28 mm	**249.90**

447-9385 NOU

Durimetru manual ROCKWELL, cu afisare digitala

- *tester de duritate semi-automat, cu exceptia incarcarii fortei initiale si a butonului de schimbare a fortei.*
- *functionarea este foarte convenabila si rapida*
- *control motorizat de incarcare, oprire si descarcare, elimina eroarea prin operare manuala*
- *microprocesorul incorporat calculeaza automat max, min, media si valoarea deviatiei, rezolutia este de 0,1HR, imbunatateste in mare masura precizia.*
- *conversia automata a duritatii la alte scale, nu este nevoie de a verifica tabelul si de a imbunatati eficienta de lucru.*
- *suporta mai multe limbi, engleza, turca, germana, etc. Convenabil pentru clientii locali functionare.*
- *salvati 2000 de rezultate de testare unica si 1000 rezultate de grup pentru revizuire si analiza*
- *este disponibila o mini-imprimanta optionala blue tooth*



werka

Specificatii tehnice

	caracteristica	valoare	
447-9385	Scale de duritate cu penetrator standard	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH	**28366.43**
	Scale de duritate cu penetrator optional	HRK, HRL, HRM, HRP, HRR, HRS, HRV	
	forta incercare preliminara	10 kgf (98,07 N)	
	forta incercare	60kgf (588.4N), 100 kgf (980.7N), 150 kgf (1471 N)	
	Timp de repaus	reglabil 1~60s	
	Indicarea duritatii	ecran tactil color de 5,2", rezolutie: 640x480	
	Rezolutie	0.1HR	
	Controlul incarcarii	incarcare automata/incarcare/incsrcare	
	Conversia duritati	HRC, HV, HBS, HBW, HK, HRA, HRD, HR15N, HR30N,HR45N,HS,HRF,HR15T,HR30T, HR45T,HRB	
	Standarde de conversie	ASTM, DIN	
	Optiunea de limba	chineza, engleza, germana, portugheza, turca, ceha, coreeana	
	Interval de corectie	de la -3,0HR la +3,0HR, pas de 0,1HR	
	Memorie de date	2000 de rezultate de masurare unica, analiza curba, revizuirea si analiza rezultatelor	
	Iesire de date	mini-imprimanta optionala Blue Tooth	
	Inaltimea maximă a specimenului	175 mm	
	Gatul instrumentului	165 mm	
	Sursa de alimentare	AC220V/50Hz, AC110V/60Hz	
	Dimensiuni (LxLxA)	546x182x755mm	
	Dimensiunea ambalajului	620x460x870mm	
	Greutate bruta/neta	120 kg/90 kg	
	Standard de executie	GB/T230.2, EN-ISO6508, ASTM E-18	

ISH-R150

Durimetru manual ROCKWELL

- *durimetru manual ROCKWELL*
- *afisarea valorii citite - ceas analogic*




Ø 60 mm nicovala plata
(inclusa)


Ø 4-60 mm nicovala V
(inclusa)


Ø 150 mm nicovala plata
(inclusa)

INSIZE

Specificatii tehnice			
	caracteristica	valoare	
ISH-R150*	scale de duritate	HRA, HRB, HRC, HRD, HRF, HRG	**22352.78**
	forta de incercare preliminara	98 N	
	forta de incercare	588N, 980 N, 1471N	
	afisaj	analogic	
	reglajul pe inaltime	manual	
	controlul incarcarii	manual	
	citirea, min.	0,5 HR	
	inaltime maxima piesa	170 mm	
	adancime maxima piesa	165 mm de la centrul penetratorului	
	dimensiune	520 x 160 x 700 mm	
	greutate	60 kg	

** livrat cu certificat de inspectie de la producator*

ISH-RD200

Durimetru manual ROCKWELL, cu afisare digitala

- *setati timpii de masurare prin (2-9) pentru a avea o valoare medie, si diferenta de maxim si minim valoare*
- *convertire automat la HV sau HB*
- *memorie pentru 1000 valorilor măsurate - navigare si de iesire de date*
- *valoarea de masurare pot fi trimise la imprimantă fara fir in mod automat*
- *functia de calibrare compenseaza valoarea masurata pentru precizia inalta*
- *pentru materialele moi valoarea de duritate nu este stabila*
- *functia de blocare se poate obtine in mod automat la o valoare*
- *inchidere automata*




Ø 60 mm nicovala plata
(inclusa)


Ø 4-60 mm nicovala V
(inclusa)


Ø 150 mm nicovala plata
(inclusa)

INSPECTION CERTIFICATE
TRACEABLE TO DKD

INSIZE

Scale de duritate		Specificatii tehnice		
cu penetrator standard	cu penetrator optional	caracteristica	valoare	
ISH-RD200*	HRA, HRB, HRC, HRD, HRF, HRG	HRE, HRH, HRK	forta incercare preliminara	98 N	**26740.23**
			forta incercare	588N, 980 N, 1471N	
			reglajul pe inaltime	manual	
			controlul incarcarii	manual	
			rezolutie	0,1 HR	
			iesire date	wireless si USB	
			memorie	1000	
			inaltime maxima piesa	170 mm	
			adancime maxima piesa	165 mm de centrul penetratorului	
			alimentare electrica	cu acumulator	
			dimensiune	520x160x700 mm	
			greutate	60 kg	

** livrat cu certificat de inspectie de la producator*

9315-CF210

Cleste ampermetric digital

- *deschidere cleste: 28 mm*
- *functie REI (zero)*
- *data hold*
- *indicator polaritate*
- *indicator nivel scazut baterie*
- *oprire automate*
- *clasa siguranta: CAT III 300V / CAT I 600V*

Include:
- *cleste ampermetric digital*
- *2 sonde*
- *3 baterii 1.5V*



sonde (incluse)



	V	mm			
9315-CF210	600	215 x 75 x 37	1	235	**909.30**

Functii	Domeniu de masurare	Rezolutie	Acuratete
Curent DC	40.00/400.0A	0.01A/0.1A	+(2.0%+5d)
Curent AC*	40.00A/400.0A	0.01A/0.1A	±(2.0%+5d)
DC Voltage	400.0mV	0.1mV	+(0.7%+3d)
	4.000V/40.00V/400.0V/600V	0.001V/0.01V/0.1V/1V	+(0.5%+2d)
AC Voltage*	4.000V	0.001V	±(1.0%+5d)
	40.00V/400.0V/600V	0.01V/0.1V/1V	±(0.8%+5d)
AC freventa	10Hz~60kHz	0.01Hz~0.01kHz	+(0.5%+2d)
Rezistenta	400.0Ω	0.10	+(1.0%+2d)
	4.000kΩ/40.00kΩ/400.0kΩ	0.001k0/0.01k0/0.1kO	±(0.8%+2d)
	4MΩ/40MΩ	0.001M0/0.01MO	±(2.5%+5d)
Capacitate	40.00nF/400.0nF/4.000μF/	0.01nF/0.1nF/0.001μF/	+(4.0%+5d)
	40.00μF/400.0μF	0.01μF/0.1μF	
	4.000mF/40.00mF	0.001mF/0.01mF	+10.0%
Frecventa	10Hz~10MHz	0.01Hz~0.01MHz	±(0.1%+4d)
Ciclu de lucru	0.1%~99.0%	0.1%	+(3.0%+5d)
Test dioda	Voltaj circuit deschis: 4V		
Continuity	<30Ω		
Alimentare	2 baterii x 1.5 V AAA		

9241-ML200

Multimetru digital tip stilou

- *reglare automata*
- *mod maxim*
- *memorie date*
- *afisaj nivel scazut baterie*
- *oprire automata*
- *rata siguranta: CT III 600 V*

Include:
- *multimetru digital tip stilou*
- *1 sonda*
- *2 baterii 1.5V*
- *2 clipsuri crocodil*



clipsuri crocodil (icluse)





sonda (inclusa)

	V	mm			
9241-ML200	200	265 x 90 x 50	1	299	**469.35**

Functii	Domeniu de masurare	Rezolutie	Acuratete
Voltaj CC	200mV/2V/20V/200V/600V	0.1mV/1mV/10mV/0.1V/1V	±(0.7%+2)
Voltaj CA	200mV/2V/20V/200V	0.1mV/1mV/10mV/0.1V	±(0.8%+3)
	600V	1V	±(1.0%+3)
Curent CC	20mA/200mA	10μA/0.1mA	±(1.5%+3)
Curent CA	20mA/200mA	10μA/0.1mA	±(2.0%+3)
Rezistenta	200Ω	0.1Ω	±(1.0%+3)
	2kΩ/20kΩ/200kΩ/2MΩ	1Ω/10Ω/0.1kΩ/1kΩ	±(1.0%+1)
	20MΩ	10kΩ	±(1.0%+5)
Test nivel logic	<1.5V (LED verde aprins) 1.5~3.5V (LED verde si rosu oprit >3.5V (LED rosu aprins)		
Dioda	voltaj circuit deschis 1.5 V		
Continuitate	<50Ω		
Alimentare	2 x 1.5V AAA		

9216-F520

Multimetru digital

- *memorie date*
- *afisaj nivel scazut baterie*
- *oprire automata*
- *rata siguranta: CT III 600 V*







sonde (incluse)

Include:
- *multimetru digital*
- *2 sonde*
- *baterie 9V*

	V	mm			
9216-F520	600	150 x 70 x 48	1	255	**497.70**

Functii	Domeniu de masurare	Rezolutie	Acuratete
Voltaj DC	200mV	0.1mV	±(0.5%+2d)
	2V/20V/200V	0.001V/0.01V/0.1V	+(1.0%+2d)
	600V	1V	+(1.2%+2d)
Voltaj AC (50-60Hz)	200mV	0.1mV	+(1.5%+30d)
	2V	0.001V	±(1.2%+3d)
	20V/200V	0.01V/0.1V	+(1.5%+3d)
	600V	1V	+(2.0%+4d)
Curent DC	200μA	0.1μA	+(1.0%+3d)
	2000μA/20mA/200mA	1μA/0.01mA/0.1mA	±(1.5%+3d)
	10A	0.01A	±(2.5%+5d)
Curent AC (50~60Hz)	200μA	0.1μA	+(1.5%+5d)
	2000μA/20mA/200mA	1μA/0.01mA/0.1mA	+(1.8%+5d)
	10A	0.01A	+(3.0%+7d)
Rezistenta	200Ω	0.1Ω	±(1.2%+4d)
	2kΩ	0.001kΩ	±(1.0%+2d)
	20kΩ/200kΩ/2MΩ	0.01kΩ/0.1kΩ/0.001MΩ	+(1.2%+2d)
	20MΩ	0.01MΩ	+(2.0%+3d)
Temperatura (Tip K)	-50°C to 1000°C	1°C	+(3.0%+5°C)
	-58°F to 1832°F	1°F	±(3.0%+8°F)
Test dioda	test curent: 0.3mA tipic	1mV	±(10%+5d)
Verificare continuitate	mai mic decat 100Ω		
Alimentare	9V battery		

9721-250 NOU

Tester de tensiune digital

- *test direct AC (contact): 12-250 V*
  doua moduri display: display voltaj pe ecran LCD si lampa neon (cand tensiunea este mai mare de 80V)
- *test inductie AC (non-contact): 12-250 V*
  pentru detectarea sursei sau recunoasterea fazei
- *test direct DC (contact): 6-36 V*



	dimensiuni		
9721-250	133 x 21 x 19 mm	22	**70.04**

Gama	AC: 12-250V; DC6-36V
Timp viata lampa neon	30000 de utilizari

9723-400 NOU

Detector faza si voltaj non-contact

- *detectarea secventei fazelor fara contact, tensiune inalta si joasă, distingere cabluri*
- *indicator baterie descarcată*
- *oprire automata*
- *alimentare: 2 baterii AAA de 1,5 V*
- *dimensiuni: 157 x 27 x 23 mm*
- *greutate: 32 g*
- *separarea cablurilor*
  - *lumina verde: cablu neutru*
  - *lumina rosie: cablu cu alimentare*



	dimensiuni		
9723-400	157 x 27 x 23 mm	32	**194.25**

0110-1125 NOU

Anemometru

- *masurare viteza, debitul, temperatura ai umiditatea relativa*
- *unitate de viteza: m/s, km/h, mil/h, ft/m, ft/s, noduri*
- *unitate de debit: CMS (metru cub pe secunda), CMM (metru cub pe minut), CFM (picior cub pe minut)*
- *tip de temperatura: ambientala, punct de roua, bulb umed*
- *moduri maxime si minime*
- *oprire automata*



	dimensiuni		
0100-1125	215 x 54 x 36 mm	172	**000.00**

	UM	Gama	Rezolutie	Acuratete
Viteza vantului	m/s	1.1-25.0	0.01	±(3%+0.3)
	km/h	4.0-90.0	0.1	±(3%+1)
	ft/min	220-4920	1	±(3%+40)
	MPH	2.5-56.0	0.1	±(3%+0.4)
	noduri	2.2-48.0	0.1	±(3%+0.4)
Temperatura aerului	°C	0-50	0.1	±2
	°F	32-122	0.1	±4

Timp masurare	0.5 d
Altitudine masurare	maxim 2000 m
Mediu masurare	0-50°C, 0-80% RH
Mediu depozitare	-10-60°C, 0-80% RH
Oprire automata	10 minute
Port date	Bluetooth 4.0
Alimentare	9 V
Dimensiuni	215x54x36 mm
Greutate	172 g

9223-120 NOU

Tahometru non-contact

- *masurare cu precizie viteza de rotatie fara contact, salvare automata valoarea maxima, valoarea minima si ultima valoare, 500 de date pot fi stocate in timpul masurarii continue*



	dimensiuni		
9223-120	180 x 71 x 29.9 mm	145	**469.35**

Gama masurare	2.5~99999 rpm
Rezolutie	0.1 rpm (gama 2.5~999.9rpm 1 rpm (gama 1000-99999 rpm)
Acuratete	± (0.05%n+1d) rpm n este viteza de rotatie, d este rezolutia
Putere laser	Clasa 3R 3mW~4mW
Timp masurare	0.6 s (peste 100 rpm)
Distanta masurare	50-500 m
Temperatura operare	0-40 °C
Alimentare	3 x AA

0310-H26 NOU

Termohigrometru

- *masoara umiditatea, temperatura ambientala*
- *functii: min. / max., data hold*
- *Bluetooth 4.0*
- *auto oprire*
- *livrat cu APP pentru Apple si Android*



	dimensiuni		
0310-H26	204 x 54 x 36 mm	172	**1155.00**

Temp. ambientala	0°C~50°C / 32°F~122°F
Temp. punct roua	0°C~50°C / 32°F~122°F
Rezolutie	0.1°C/0.1°F
Acuratete	± 0.1°C / ± 1.8°C
Umiditate	0% RH ~ 80% RH
Rezolutie	0.1% RH
Acuratete	±5.0% RH
Oprire automata	30 minute
Port date	Bluetooth 4.0
Alimentare	baterie 9 V

0320-K230 NOU

Temometru cu termocuplu tip K (model economic)

- *acuratetea temperaturii ±3,6°F/±2,0°C*
- *termocuplu de contact de tip K*
- *unitate masura °F/°C*
- *functia de pastrare a datelor*
- *afisaj baterie descarcata*



	dimensiuni		
0320-K230	259 x 76 x 34 mm	220	**387.45**

Gama temperatura	-50°C-200°C/-58°-392°F
Acuratete temperatura	2.0°C / 3.6°F
Rezolutie temperatura	0.1°C(la -50°C-199°C),1°C (la -50°C-200°C)
	0.1°F(la -58°F-199.9°F), 1°F (la 58°-392°F)
Timp masurare	2.5 ori/secunda
Alimentare	3x3V baterii CR2450 (300 ore utilizare)
Tensiune utilizare	6.8 V - 10 V

0131-A120 NOU

Luxmetru

- *fotosenzorul se poate roti 90° in sensul acelor de ceasornic si 180° in sens invesr acelor de ceasornic*
- *functie data hold*
- *buton schimbare Lux/FC*
- *atenstionare nivel scazut al bateriei*



	dimensiuni		
0131-A120	185 x 68 x 38 mm	130	**746.55**

Acuratete	±(4%+10d), gama < 20000Lux / 2000FC			
	±(5%+10d), gama ≥ 20000Lux / 2000FC			
	(d este rezolutia, calibrata cu lampa incandescenta la culoarea temperaturii 2856K)			
Gama masurare	0.1-199.9Lux	1-1999Lux	10-19990Lux	100-199900Lux
Rezolutie	0.1 Lux	1 Lux	10Lux	100Lux
Gama masurare	0.01-19.99FC	0.1-199.9FC	1-1999FC	10-19990FC
Rezolutie	0.1FC	0.1FC	1FC	10FC
Repetabilitate	±2%			
Timp masurare	0.5 s			
Temperatura operare	0-40°C, 0-70%RH			
Temperatura depozitare	-10-50°C, 0.80%RH			
Alimentare	9°C			

9351-130

Sonometru

- *selectateaza automat cel mai bun interval: 30~80dB, 40~90dB, 50~100dB, 60~110dB, 70-120dB, 80-130dB*
- *indicator peste raza de actiune*
- *moduri: timp real, medie, maxim*
- *memorie: 16.000 masuratori*
- *AC Iesire semnal: 0,707 Vrms la FS, impedanta aprox. 600 Ω*
- *DC Iesire semnal: 10mV / dB, impedanta aprox.100Ω*
- *oprire automata*
- *interval masurare: 30 - 130 dB*
- *acuratete: ±2 dB*
- *timp raspuns: rapid: 125 ms, lent: 1 s*
- *frecventa: 30 Hz - 8 KHz*
- *microfon: electret*



	dimensiuni		
9351-130	265 x 80 x 69 mm	317	**2068.50**

Gama de masurare	30-130 dB
Acuratete	±2 dB
Rezolutie	0.1 dB
Timp masurare	0.5s digitala, 0.05s analog
Timp raspuns	rapid: 125 ms, lent: 1s
Frezventa	30Hz-8kHz
Microfon	tip condensator electret
Iesire	RS232, AC/DC
Alimentare	6 baterii AAA

0120-IM24 NOU

Umidometru inductiv

- *potrivit pentru lemn, ciment moale, gips dur, mortar amestecat caramida ect.*
- *functie alarma*
- *mod minim / maxim*
- *oprire automata*



	dimensiuni		
0120-IM24	185 x 55 x 38 mm	193	**1239.00**

Gama masurare	0-100%
Rezolutie	1%
Acuratete	±4%
Adancime detectare	20-40 mm
Alimentare	baterie 9 V

9341-50 NOU

Umidometru

- *potrivit pentru lemn, ciment moale, gips dur, mortar amestecat caramida ect.*
- *masoara umiditatea, temperatura su umiditatea relativa*
- *mod minim / maxim*
- *oprire automata*



	dimensiuni		
9341-50	130 x 56 x 29 mm	206	**870.45**

Adancime masurare	0-50 mm
Gama umiditate	0-60%
Gama temperatura	-10-50°C / 14-122°F
Gama umiditate relativa	0-100%RH
Precizie umiditate	±2%
Precizie temperatura	±2%
Precizie umiditate relativa	±5%RH
Rezolutie umiditate	0.1%
Rezolutie temperatura	0.1°C/0.1°F
Rezolutie umiditate relativa	0.1%RH
Timp masurare	0.5s pentru umiditate 1s pentru temperatura si umiditate relativa
Alimentare	2 baterii AAA

DSW-A010 NOU

Cronometru

- *impartire timp, timp total si timp continuu*
- *10 grupuri de rezultate pot fi citite din memorie dupa resetare*



	dimensiuni		
DSW-A010	76 x 63 x 16 mm	106	**429.45**

Gama	0~9 ore, 59 minute, 59.99 secunde
Rezolutie	0.01s
Acuratete	±0.5s
Functie memorie	10 grupuri
Functie temporizator	pana la 10 ore
Functie timp	12 ore sau 24 ore timp display, alarma
Alimentare	baterie LR44
Dimensiuni ecran	33.6 x 10.6 mm

9651 NOU

Lasermetru

- *unitati: m, rt, in, ft+in*
- *masoare: distanta, aria, volumul si inaltimea*
- *memorie: 30 rezultate*
- *inchidere automata: laser 30s, unitate: 180s*





Masurare distanta



Masurare arie



Masurare volum



Masurare inaltime

	gama	dimensiuni		
9561-50B	0.5 ~ 50 m	115x50x28 mm	106	**298.20**
9561-70B	0.5 ~ 70 m	115x50x28 mm	106	**344.40**

Rezolutie	0.001 m, .001 ft, 1/16”
Acuratete	±(3+D/20)mm, D este distanta masurata
Tip laser	laser rosu, 630-670nm, clasa II, <1mW
Alimentare	2 baterii AAA

0210-G260 NOU

Termometru cu infrarosu

- *display temperatura MIN/MAX*
- *conversie °C / °F*
- *mentinere data si inchidere automata*



	dimensiuni		
0210-G260	82 x 42 x 160 mm	180	**421.05**

Gama	-30°C~260°C
Rezolutie	0.1°C
Acuratete	±4°C (≤0°C) si ±2°C (>0°C)
Distanta la dimens. spot	8:1 (D:S)
Dioda laser	<1mW, 630~670nm, clasa 2
Raspuns spectral	6~14 µm
Timp raspuns	mai puten de 1 s
Alimentare	baterie 9V

5024

Trusa 2 instrumente de masura si control

- ceas comparator, scala 0-10mm, citire 0.01mm (cod 2308-10A)
- stand magnetic (cod 6201-60)



INSIZE

5024	2	598.50

1 x **2308-10A**; 1 x **6201-60**

5022-W

Trusa 2 instrumente de masura si control

- subler digital 0-150mm/0-6", rezolutie 0.01mm/0.0005"
- micrometru de exterior digital 0-25mm/0-1", rezolutie 0.001mm/0.00005"



INSIZE

5022-W	2	1113.00

1 x **1108-150**; 1 x **3109-25A**

5041

Trusa 4 instrumente de masura si control

- subler mecanic 0-150mm/0-6", citire 0.05mm/1/128" (cod 1205-150)
- micrometru de exterior 0-25mm, citire 0.01mm (cod 3202-25A)
- echer 90 grade 100x70 mm, grad 0 (cod 4790-1000)
- rigla otel 150mm/6" (cod 7110-150).



INSIZE

5041	4	878.85

1 x **1205-150**; 1 x **3205-25A**; 1 x **4790-1000**; 1 x **7110-150**

5063

Trusa 6 instrumente de masura si control

- subler mecanic 0-150mm/0-6", citire 0.05mm/1/128" (cod 1205-150)
- micrometru de exterior 0-25mm, citire 0.01mm (cod 3202-25A)
- echer 90 grade 100x70mm, grad 00 (cod 4790-1000)
- rigla otel 200 mm/6" (cod 7110-200)
- rigla de planeitate 100 mm (cod 4700-100)
- compas 150 mm (cod 7260-150)



INSIZE

5063	6	1207.50

1 x **1205-150**; 1 x **3202-25A**; 1 x **4790-1000**; 1 x **7110-200**
1 x **4700-100**; 1 x **7260-150**

5021

Trusa 2 instrumente de masura si control

- *subler mecanic 0-150mm/0-6", citire 0.05mm/1/128" (cod 1205-150)*
- *micrometru de exterior 0-25mm, citire 0.01mm (cod 3202-25A)*



INSIZE

5021	2	570.15

1 x **1205-150**; 1 x **3202-25A**



CIOCANE, DALTI, TOPOARE, CUTTERE, POANSOANE

Material de inalta calitate

Facute din otel scule carbon de inalta calitate, ciocanele Unior au suprafata de lovire durificata prin inductie. Superioritatea materialelor si fabricatia excelenta sunt doua calitati care deosebesc nu numai ciocanele, ci si celelalte scule de lovire Unior, cum sunt foarfecile forjate sau diversele punctatoare.

Conceptie ergonomica

Utilizarea lor cea mai obisnuita, constand in infigerea cuielor, este asigurata demult de tipurile noastre de ciocane si scule de lovire. La gama originala de ciocane cu maner de lemn s-a adaugat o gama de ciocane cu maner metalic cu izolatie adaugata. Noile ciocane Unior sunt dotate cu o acoperire de plastic pentru optimizarea prizei si asigurarea unei utilizari in deplina siguranta.

UNIOR KRONUS WGB cutBRIK GRAVUREM tovarna kos in srpov narex

DIN 1041 Ciocane pentru lacatuserie

1. Debitarea:
otelul patrat este debitat automat pe o presa cu ajutorul unei stante prin forfecare; acuratetea taierii asigura un consum minim de material.



2. Forjarea:
forjarea este clasica la cald permitand obtinerea formei dorite. Fibrajul corespunzator curgerii materialului in matrita asigura obtinerea de proprietati mecanice foarte bune si a unei cantitati minime de bavura.

3. Debavurarea:
inlaturarea surplusului de material.

4. Ochiul:
se realizeaza conform DIN 1195.

5. Polizarea:
se realizeaza intre doua pietre.

6. Tratamentul termic prin inductie:
tratamentul termic prin inductie a partilor de lovire asigura o duritate mare a ciocanului si o microstructura corespunzatoare care confera acestuia o durata de utilizare foarte lunga.

TRATAMENT TERMIC PRIN INDUCTIE PE CAPETE



7. Polizarea partilor active:
pentru evitarea pe cat posibil a reculului si a degajarii de aschii. Unghi de sanfren 45-50°. Latura mica a octogonului este strict reglementata pe fiecare dimensiune de ciocan.



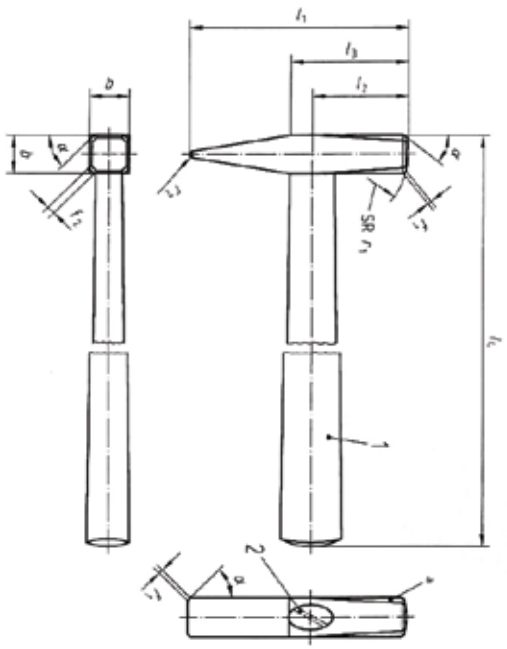
8. Vopsirea:
un strat de vopsea de protectie se realizeaza prin vopsirea in camp electrostatic cu vopsele ecologice fara cadmiu si plumb.

9. Manerul:
este confectionat din lemn de frasin selectionat care indeplineste cerintele DIN 68340 si este protejat cu un lac incolor. Forma profilata obtinuta din strunjire prin copiere cu beneficii pentru ergonomie, priza si antialunecare. Umiditate 9-11%.

10. Marcarea:
Marcajul cu culoare albastra aminteste utilizatorului masurile de securitate obligatorii.



11. Asamblarea finala:
componentele sunt imbinate de operator obtinand un produs de inalta calitate. Fixarea cozii: conform conditiior tehnice de livrare DIN 1193.



Greutatea nominala [a]		b	f_1 min.	f_2 min.	l_1	l_2	l_3 min.	$l_4 = l_1$ conform DIN 5111	r_1 max.	r_2 min.	α unghi sanfren	Ochi conform DIN 1195 marimea
g	Abaterea de la limite g											
50	± 5	11	0,9	2	75 ± 2	34 ± 2	40	250	190	0,75	45°-50°	12,5 x 7,1
100	± 10	15	1,3	3	82 ± 2	36 ± 2	44	260	190	1,0	45°-50°	16 x 9
200	± 20	19	1,6	4	95 ± 2	43 ± 2	51	280	200	1,5	45°-50°	18 x 10
300	± 25	23	1,9	5	105 ± 3	48 ± 3	58	300	220	1,75	45°-50°	20 x 11,2
500	± 35	27	2,3	6,5	118 ± 3	52,5 ± 3	65	320	240	2,25	45°-50°	25 x 14
800	± 50	33	2,8	7	130 ± 3	59,5 ± 3	72	350	265	2,5	45°-50°	28 x 16
1 000	± 60	36	3,0	8,5	135 ± 3	59 ± 3	75	360	280	3,0	45°-50°	30 x 17
1 500	± 80	42	3,5	10	145 ± 4	65 ± 4	81	380	295	3,5	45°-50°	31,5 x 18
2 000	± 100	47	3,9	11,5	155 ± 4	69 ± 4	87	400	315	4,0	45°-50°	35,5 x 20

Tolerante generale: ISO 2768-v

[a] Indicatiile privind greutatea sunt valabile pentru ciocanele fara coada si pana.

Ciocane 302
Dornuri, punctatoare 309
Dalti 310
Preducele 311
Topoare si unelte agricole 313
Cutere si scule multifunctionale 315
Poansoane si sabloane 326

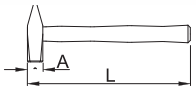


812

Ciocan lacatuserie

- *material: otel carbon*
- *forjat*
- *partea de lovire si varful tratate*
- *acoperire: vopsite*
- *maner din lemn de frasin cu pana ovala speciala*
- *in concordanta cu standard DIN 1041*





UNIOR

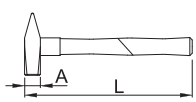
	gr	A	L				
601796	100	13 x 13	260	145	1C	10	**56.23**
601797	150	15 x 15	280	225	1C	10	**59.84**
601799	200	17 x 17	280	280	1C	10	**62.46**
601801	250	18 x 18	300	340	1C	10	**68.36**
601802	300	20 x 20	300	380	1C	10	**73.61**
601803	400	22 x 22	310	487	1C	10	**81.97**
601804	500	25 x 25	320	625	1C	10	**88.20**
601805	600	26 x 26	330	720	1C	6	**106.23**
601806	800	30 x 30	350	955	1C	6	**124.26**
601807	1000	33 x 33	360	1150	1C	6	**150.33**
601809	1500	37 x 37	380	1690	1C	6	**210.49**
601810	2000	41 x 41	400	2195	1C	6	**225.57**

812A

Ciocan lacatuserie LSI super

- *material: otel carbon*
- *forjat*
- *partea de lovire si varful tratate*
- *acoperire: vopsite*
- *coada din lemn de frasin cu bucsa de protectie din plastic si pana ovala*
- *in concordanta cu standard DIN 1041*





UNIOR

	gr	A	L				
602537	300	20 x 20	300	380	1C	10	**95.57**
602538	500	25 x 25	320	646	1C	10	**116.89**
602539	800	30 x 30	350	960	1C	6	**155.08**
603164	1000	33 x 33	360	1170	1C	6	**220.49**

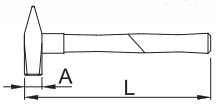


7812F

Ciocan de lacatuserie cu coada din fibra

- *material: OLC 45*
- *forjat*
- *partile de lovire tratata prin inductie*
- *acoperire: vopsite*
- *maner din fibra de sticla*
- *in conformitate cu standardul DIN 1041*





KRONUS Professional Quality

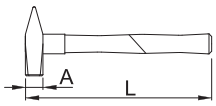
	gr	A	L		
900482	500	25 x 25	320	625	**60.55**

7812B LA COMANDA NOU

Ciocan de lacatuserie forjat dintr-o singura bucata

- *material: OLC 45*
- *forjat*
- *partile de lovire tratata prin inductie*
- *acoperire: vopsite*





KRONUS Professional Quality

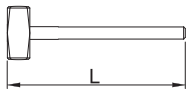
	gr	A	L		
902503	500	25 x 25	320	625	**86.68**

705

Ciocan cupru

- *cap din cupru forjat, muchii tesite*
- *maner din lemn*





WGB THE WERKZEUG

	gr	L		
70503000	300	280	378	**315.82**
70505000	500	310	621	**424.78**
70507500	750	330	910	**574.77**





7705 NOU

Ciocan cupru

- *cap din cupru forjat, muchii tesite*
- *maner din lemn*
- *material: Cu 99*
- *umiditate coada: 12-14*





KRONUS Professional Quality

	gr	L	A		
902760	300	260	65	380	**131.21**
902761	500	260	80	610	**208.13**
902762	700	280	105	880	**294.10**



Nu folositi mânere care sunt deteriorate, crapate, rupte, aschiate sau fixate slab de cap



Nu folositi un ciocan pentru a lovi un alt ciocan.



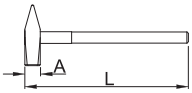
Nu slefuiti, sudati sau recaliti un cap de ciocan

816

Baros

- *material: otel carbon*
- *forjat*
- *partea de lovire si varful tratate*
- *acoperire: vopsite*
- *maner din lemn de frasin cu pana ovala speciala*
- *in concordanta cu standard DIN 1042*





UNIOR

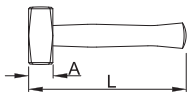
	gr	A	L				
601812	3000	50 x 50	600	3395	1C	1	300.82
601813	4000	55 x 55	700	4395	1C	1	334.92
601814	5000	60 x 60	800	5595	1C	1	389.18
601816	8000	71 x 71	900	8995	1C	1	591.48

817

Baros

- *material: otel carbon*
- *forjat*
- *partile de lovire tratate prin inductie*
- *acoperire: vopsite*
- *maner din lemn de frasin cu pana ovala speciala*
- *in conformitate cu standardul DIN 6475*





UNIOR

	gr	A	L				
601840	1000	36 x 36	260	1065	1C	6	128.52
601841	1250	38 x 38	260	1305	1C	6	147.05
601842	1500	40 x 40	280	1525	1C	6	173.28
601843	2000	44 x 44	300	2050	1C	6	209.51

SIGURANTA PERSONALA

• Purtati manusi si ochelari de protectie.
• Evitati lovirea suprafetelor la fel de dure. Nu folositi un ciocan pe suprafete care depasesc 46 HRc.
• Nu folositi unelte suspecte, cum ar fi ciocane cu capete ciobite, manere nesigure sau crapate, dalti sau poansoane cu mansoane excesiv de mari. Verificati fixarea mânerului înainte de utilizare.
• Lovirea poate genera scântei. Nu folositi ciocane într-o zona cu risc de incendiu.

ALEGEREA CORECTA A SCULEI

• Regula generala: capul de ciocan trebuie sa aiba un diametru cu aproximativ 10 mm mai mare decât suprafata de lovit. Evitati lovirea cu marginea ciocanului.
• Utilizati dalti si poansoane echipate cu o protectie pentru siguranta si confort sporit.
• Nu folositi poansoane pentru efect de parghie.

818

Baros cu fate drepte

- *material: otel carbon*
- *forjat*
- *partile de lovire tratate prin inductie*
- *acoperire: vopsite*
- *maner din lemn de frasin cu pana ovala speciala*
- *in conformitate cu standardul DIN 6475*





UNIOR

	gr	A	L				
601844	3000	50 x 50	600	3455	1C	1	262.79
601845	4000	55 x 55	700	4595	1C	1	278.69
601847	5000	60 x 60	800	5720	1C	1	316.56
601848	6000	64 x 64	800	6570	1C	1	375.74
601849	8000	72 x 72	900	9195	1C	1	450.82
601850	10000	74 x 74	900	10595	1C	1	579.18

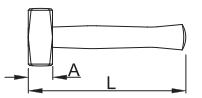
7817

Baros

- *material: OLC 45*
- *forjat*
- *partile de lovire tratata prin inductie*
- *duritate pe capete: 48 ± 3 HRC*
- *acoperire: vopsite*
- *maner din lemn de frasin cu pana ovala speciala*
- *in conformitate cu standardul DIN 6475*

DIN 6475





KRONUS

	gr	A	L				
71476	1000	36 x 36	260	1070	1C	6	54.81

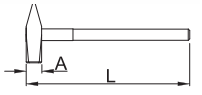
7816 NOU

Baros

- *material: otel carbon*
- *forjat*
- *partea de lovire si varful tratate*
- *acoperire: vopsite*
- *maner din lemn de frasin cu pana ovala speciala*
- *in concordanta cu standard DIN 1042*

DIN 1042





KRONUS

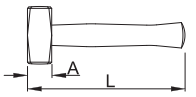
	gr	A	L				
902732	3000	56 x 56	865	3800	1C	1	140.26
902733	5000	67 x 67	875	5800	1C	1	203.15
902734	6000	71 x 71	880	6800	1C	1	230.75

7817B LA COMANDA NOU

Baros forjat dintr-o singura bucata

- *material: OLC 45*
- *forjat*
- *partile de lovire tratata prin inductie*
- *acoperire: vopsite*





KRONUS

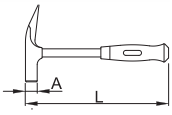
	gr	A	L		
902504	625	-	320	725	92.90

7805B LA COMANDA NOU

Ciocan de dulgherie forjat dintr-o singura bucata

- *material: OLC 45*
- *forjat*
- *partile de lovire tratata prin inductie*
- *acoperire: vopsite*





KRONUS

	gr	A	L		
902505	1360	-	320	-	99.13

805A

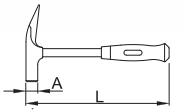
Ciocan dulgher cu magnet

- *material: otel carbon*
- *forjat*
- *partea de lovire si varful tratate*
- *acoperire: vopsite*
- *maner metalic rotund cromat cu manson de prindere de plastic*
- *in conformitate cu standardul DIN 7239*

Avantaje:

- *cu magnet*





UNIOR

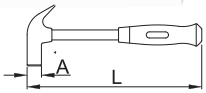
	gr	A	L				
605516	550	21 x 21	320	825	1C	6	218.20

7805F NOU

Ciocan forjat dintr-o singura bucata 450 g pentru dulgher

- *cele mai durabile unelte de lovire disponibile sunt fabricate dintr-o singura bucata de otel solid si slefuite in designul optim pentru utilizare*
- *cap din otel forjat cu fata neteda lustruita*
- *maner din fibra de sticla cu design de absorbtie a socurilor*
- *ideal pentru constructii, renovari, reparații generale si intretinere, prelucrarea lemnului, montat tablouri si multe altele*
- *manerul conturat din fibra de sticla ofera o prindere confortabila si atenueaza vibratiile, reducand stresul asupra corpului*
- *manerul de reducere a socurilor brevetat*
- *materialul turnat creeaza un maner texturat care este confortabil, durabil si reduce vibratiile de impact cu 70%*
- *greutate echilibrata pentru utilizare confortabila la majoritatea lucrarilor de uz general*
- *parghie cu gheare curbate: designul optimizat permite un cuplu suplimentar atunci cand trageti si scoateti cuie sau placi*





KRONUS Professional Quality

	gr	A	L				
902432	450	20 x 20	320	500	1C	6	**75.79**

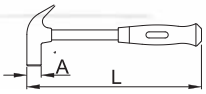


036255 NOU

Ciocan forjat dintr-o singura bucata 600 g pentru dulgher

- *forjat dintr-o bucata.*
- *maner scobit care permite reducerea vibrațiilor/șocurilor cu ciocanul.*
- *maner ergonomic, anti-alunecare.*
- *fata frezata*
- *suport magnetic pentru cuie.*
- *greutatea capului: 600 g*





EDMA UN OUTIL D'AVANCE

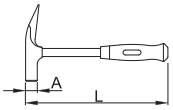
	gr				
036255	600	500	1C	6	**401.64**

805

Ciocan dulgher

- *material: otel carbon*
- *forjat*
- *partea de lovire si varful tratate*
- *acoperire: vopsite*
- *maner metalic rotund cromat cu manson de prindere de plastic*
- *in conformitate cu standardul DIN 7239*





UNIOR

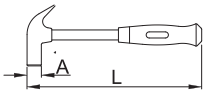
	gr	A	L				
601824	550	21 x 21	320	825	1C	6	**181.64**

813

Ciocan cu varf spintecat

- *material: otel carbon*
- *forjat*
- *partea de lovire si varful tratate*
- *acoperire: vopsite*
- *maner metalic rotund cromat cu manson de prindere de plastic*





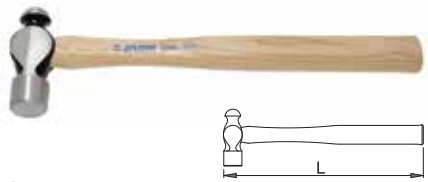
UNIOR

	gr	A	L				
601828	500	22 x 24	300	725	1C	6	**205.41**

806

Ciocan cu capete rotunde

- *material: otel carbon*
- *forjat*
- *partea de lovire si varful tratate*
- *manere din lemn de frasin*



UNIOR

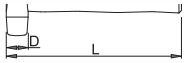
	gr	L				
612221	340	323	470	1C	6	**100.49**
612222	454	348	605	1C	6	**117.54**
612223	680	398	960	1C	6	**153.28**
612224	910	398	1165	1C	6	**166.39**

820

Ciocan masa plastica

- *material: celidor, duritate 60-70 shore D*
- *rezistent la ulei*
- *cap turnat gri*
- *maner de lemn vopsit*
- *recomandat pentru lucrari pe materiale moi si usoare*





UNIOR

	D	L				
601832	22	260	165	1C	10	**53.93**
601833	27	280	245	1C	10	**63.28**
601834	32	300	321	1C	10	**83.61**
601835	40	320	565	1C	10	**121.48**
601836	50	360	830	1C	6	**186.89**

820.1

Capete de schimb pentru art. 820





UNIOR

	D				
602530	22	15	1E	10	**17.21**
602531	27	20	1E	10	**17.90**
602532	32	29	1E	10	**22.38**
602533	40	47	1E	10	**33.22**
602534	50	74	1E	10	**49.23**
602535	60	111	1E	10	**61.97**

820A

Ciocan masa plastica

- *material: poliuretan, duritatea 45 - 55 shore D*
- *rezistent la ulei*
- *cap turnat gri*
- *maner de lemn vopsit*
- *material foarte rezistent ce permite diversitate in utilizare*





UNIOR

	D	L				
605491	22	260	160	1C	10	**52.30**
605492	27	280	230	1C	10	**60.66**
605493	32	300	335	1C	10	**78.52**
605494	40	320	535	1C	10	**124.26**
605495	50	360	870	1C	6	**164.92**

820.1A

Capete de schimb pentru art. 820A



UNIOR

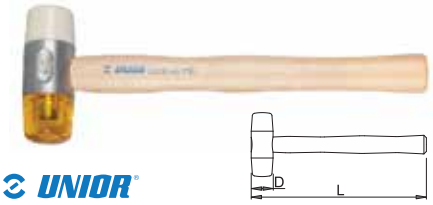


	D				
605503	22	15	1E	10	16.35
605504	27	20	1E	10	17.21
605505	32	29	1E	10	19.97
605506	40	47	1E	10	30.47
605507	50	74	1E	10	44.58
605508	60	111	1E	10	58.87

820B NOU

Ciocan masa plastica 2-in-1

- *material capete: cellidor, duritate 60-70 shore D si poliuretan, duritate 45 - 55 shore D*
- *rezistent la ulei*
- *cap turnat gri*
- *maner de lemn vopsit*
- *recomandat pentru lucrari pe materiale moi si usoare*



UNIOR

	D	L				
629302	40	320	565	1C	10	140.82





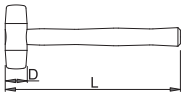
8752 NOU

Ciocan cu fete din cauciuc

- *ciocanul cu capete de impact interschimbabile este potrivit atat pentru lacatusi, cat si pentru tamplari*
- *corp din material plastic (PP)*
- *fete (capete care lovesc) din cauciuc*
- *miez metalic*



narex



	L	Ø		
875202	290	37	468	100.49

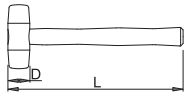
8750 NOU

Ciocan cu fete din plastic

- *ciocanul cu capete de impact interschimbabile este potrivit atat pentru lacatusi, tinichigii, precum si pentru tamplari*
- *corp din material plastic (PP)*
- *fete (capete care lovesc) din platic*
- *miez metalic*



narex



	L	Ø		
875001	270	26	221	50.04
875002	290	37	442	63.93
875003	310	50	903	106.57

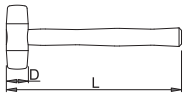
8755 NOU

Ciocan cu fete din plastic

- *ciocanul cu capete de impact interschimbabile este potrivit atat pentru lacatusi, tinichigii, precum si pentru tamplari*
- *maner din lemn de frasin*
- *fete realizate tot din plastic*
- *miez metalic din fonta*



narex



	L	Ø		
875501	270	26	238	59.24
875502	290	37	452	75.83
875503	310	50	886	102.43

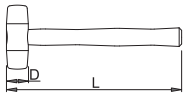
8756 NOU

Ciocan cu o fata din plastic si una din matal

- *ciocanul cu capete de impact interschimbabile este potrivit atat pentru lacatusi, tinichigii, precum si pentru tamplari*
- *corp din material plastic (PP)*
- *plastic cu o fata, a doua metal*
- *miez metalic*



narex



	L	Ø		
875601	270	26	280	70.51
875602	290	37	602	132.54

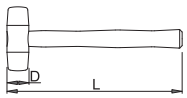
8751 NOU

Ciocan antirecul cu fete din plastic

- *ciocanul antirecul cu capete din plastic interschimbabile este potrivit atat pentru lacatusi, cat si pentru tamplari*
- *ciocanul antirecul ANTIREFLEX este echipat cu umplutura de amortizare care previne reactia inversa in timpul loviturilor de ciocan, ceea ce mareste siguranta de lucru.*
- *plastic cu o fata, a doua metal*
- *miez metalic*



narex



	L	Ø		
875101	270	26	180	74.11
875102	290	37	340	96.20
875103	310	50	624	157.52

8751 NOU

Ciocan antirecul cu fete din plastic

- *ciocanul antirecul cu capete din plastic interschimbabile este potrivit atat pentru lacatusi, cat si pentru tamplari*
- *cu fete albe de plastic, care nu lasa urme pe obiectul care este lovit*
- *ciocanul antirecul ANTIREFLEX este echipat cu umplutura de amortizare care previne reactia inversa in timpul loviturilor de ciocan, ceea ce mareste siguranta de lucru.*
- *corp din material plastic (PP)*
- *plastic cu o fata, a doua metal*
- *miez metalic*



narex



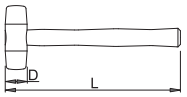
	L	Ø		
875151	270	26	180	74.11
875152	290	37	340	96.20
875153	310	50	624	157.52

8756 32 NOU

Ciocan cu o fata din plastic si una din aluminiu

- *ciocanul cu capete de impact interschimbabile este potrivit atat pentru lacatusi, tinichigii, precum si pentru tamplari*
- *corp din material plastic (PP)*
- *plastic cu o fata, a doua din aluminiu*
- *miez metalic*





narex

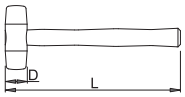
	L	Ø		
875632	290	37	602	163.77

8756 42 NOU

Ciocan cu o fata din plastic si una din alama

- *ciocanul cu capete de impact interschimbabile este potrivit atat pentru lacatusi, tinichigii, precum si pentru tamplari*
- *corp din material plastic (PP)*
- *plastic cu o fata, a doua din alama*
- *miez metalic*





narex

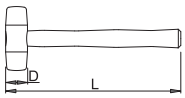
	L	Ø		
875642	290	37	602	371.80

8756 52 NOU

Ciocan cu o fata din plastic si una din cupru

- *ciocanul cu capete de impact interschimbabile este potrivit atat pentru lacatusi, tinichigii, precum si pentru tamplari*
- *corp din material plastic (PP)*
- *plastic cu o fata, a doua din cupru*
- *miez metalic*





narex

	L	Ø		
875652	290	37	602	530.49

87551 NOU

Fete din plastic interschimbabile

- *fete din plastic de rezerva pentru ciocanele 8750 si 8755.*





narex

	Dimensiune	Ø	Culoare		
875511	#1	26	negru	-	9.11
875512	#2	37	negru	-	9.56
875513	#3	50	negru	-	15.24

87552 NOU

Fete din plastic interschimbabile

- *fete din plastic de rezerva pentru ciocanele 8750 si 8755.*





narex

	Dimensiune	Ø	Culoare		
875521	#1	26	alb	-	9.11
875522	#2	37	alb	-	9.56
875523	#3	50	alb	-	15.24

820

Ciocan antirecul

- *fara recul*
- *corpul metalic vopsit*
- *maner metalic tubular vopsit, cu prinderea din plastic*
- *insertii aplicate din poliuretan*
- *securitate ridicata*

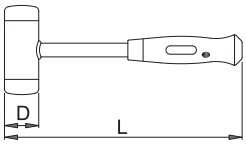
Avantaje:

- *Are un avantaj in fata ciocanelor obisnuite pentru ca nu are recul la impact, deci transferul de energie este in acest fel crescut*

Utilizare

- *Ciocanul este folosit pentru lovirea, ajustarea, mutarea diferitelor obiectecare nu trebuiesc lovite dur.*



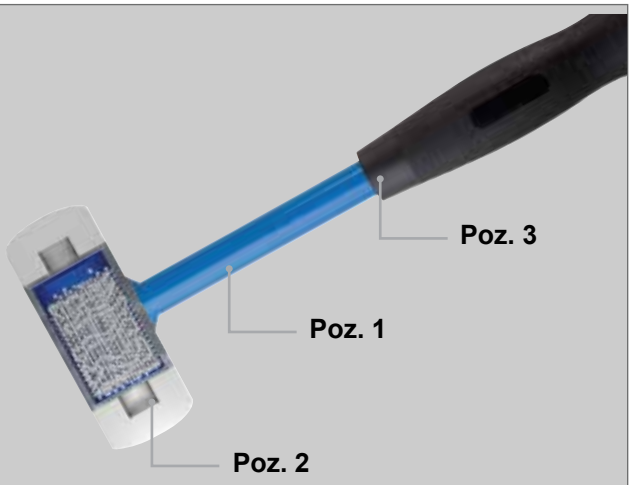


UNIOR

	D	L				
615034	45	315	866	1C	6	186.39
628815	55	360	1250	1C	6	249.34

Structura si material:





- Ciocanul se compune din manerul turnat (Poz. 1), accesoriul (Poz. 2) si maner (Poz. 3).
- Partea turnata a manerului este confectionata din otel aliat care ii confera o mare tenacitate si rezistenta mecanica sporita, putand prelua socuri mari.
- Suprafata este protejata prin vopsire in camp electrostatic ceea ce ii confera rezistenta sporita la deteriorari ale suprafetei.
- Accesoriul este confectionat din material plastic special care se caracterizeaza prin rezistenta la produse din ulei si preia socuri puternice ale loviturii.
- Manerul este confectionat dintr-un material plastic special placut la atingere si cu proprietati antialunecare in mana.
- Forma ergonomica asigura o strangere sigura in mana.

UTILIZARE:

- Ciocanul este folosit pentru loviri, ajustari, deplasarea diverselor obiecte care nu trebuie lovite dur. Acest tip are avantajul fata de ciocanele de plastic clasice faptul ca lovitura nu are recul fata de suprafata lovita, forta de lovire a acestuia fiind mai mare.

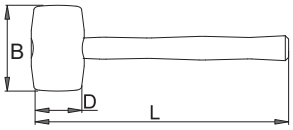
7820/2

Ciocan din cauciuc

- *material: cap de ciocan: cauciuc, maner: lemn masiv*
- *capul de ciocan este fabricat din cauciuc de inalta calitate, cu elasticitate si durabilitate moderata*
- *manerul din lemn masiv poate absorbi eficient socul loviturii si il face confortabil de utilizat*
- *capul ciocanului si manerul sunt strans unite*
- *tehnologie speciala articulatie cap la cap, nu slabeste, nu cade*
- *ciocnirea nu dauneaza suprafetei placilor ceramice*
- *nu va deteriora stratul de vopsea.*
- *potrivit pentru instalarea podelei, instalarea faiantei, constructiile pentru decorarea casei, prelucrarea lemnului, aplicatii auto si asa mai departe*
- *rezistent la ulei, ecologic,*
- *rezistent la uzura si nu este fragil*
- *suprafata ciocanului de cauciuc este plata, forta de percutie stabila, iar suprafata nu deterioreaza si protejeaza eficient podelele din gresie*

DIN 5128 A





KRONUS Professional Quality

	gr	Ø		
71495	360	-	396	22.97
71496	450	-	531	27.41
71497	326	-	792	34.72







7820/2PV NOU

Ciocan 2-in-1 pentru dale si pavele 1,5 kg, profil patrat, coada din lemn

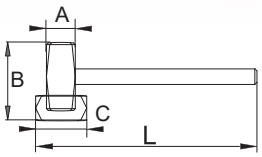
- *suprafata ciocanului de cauciuc este plata, forta de percutie stabila, iar suprafata nu deterioreaza si protejeaza eficient podelele din gresie, pavele, dale etc.*
- *insertia de cauciuc poate fi indepartata*
- *material: OLC 45, forjat*
- *duritate: 48-58 HRc*
- *acoperire: vopsite*
- *maner din frasin*

DIN 6475





Material OLC



KRONUS Professional Quality

	gr	A	B	C	L		
902735	1500	45	115	75	400	2000	80.31

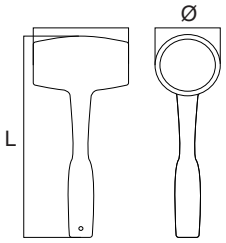


7820D NOU

Ciocan masa plastica

- *corp dintr-o singura bucata din cauciuc inoxidabil, vulcanizat pe un miez de otel C45*
- *duritate standard: 80 ± 5 Shore A*
- *utilizat la fixarea parchetului, placilor de gresie, sau a altor obiecte sau suprafete care se deterioreaza usor in contact cu uneltele rigide sau contondente*





KRONUS Professional Quality

	gr	Ø	L		
902469	500	80	290	520	46.38
902470	1000	120	320	1020	62.89

812.1

Coada de lemn cu pana pentru ciocan

- *maner din lemn de frasin cu pana ovala speciala*



UNIOR

	812	812A	820	820A	810	830	
605101	100	100	22	22			15.66
605102	150,200	150,200	27	27			17.90
605103	250,300	250,300	32	32			19.97
605104	400	400				400	22.55
605105	500	500	40	40			22.03
605106	600	600			700		22.03
605107	800	800					23.93
605108	1000	1000	50	50			25.82
605109	1250, 1500	1250, 1500	60	60			26.85
605110	2000	2000					33.22

812.2

Pana pentru ciocan



UNIOR

	812	812A	820	820A	810	830	
609626	100	100	22	22			8.09
605095	150,200	150,200	27	27			9.12
605096	250,300	250,300	32	32			9.47
605097	400	400					9.98
605098	500,600	500,600	40	40	700		9.98
605099	800,1000, 1250	800,1000, 1250	50, 60	50, 60			11.36
605100	1500,2000	1500,2000					14.63

7820A NOU

Ciocan masa plastic antirecul

- *capul umplut cu alice de otel adauga forta suplimentara loviturilor de ciocan si elimina reculul si producerea scanteilor, ideal pentru tinichigerie auto*
- *corpul turnat poli unicast previne uzura ciocanului intre cap si maner; materialul previne producerea scenteilor la impact*
- *culoarea faciliteaza localizarea si diferentierea altor ciocane din trusa de scule; utilizare la lucrari auto, prelucrarea lemnului, formarea tablei si alte lucrari.*
- *manerul anti-alunecare, confortabil*



KRONUS Professional Quality

	gr	lb	A	B	L		
902471*	500	1,0	44	95	300	500	**34.39**
902472	950	2,0	53	119	340	950	**51.58**
902473*	1400	3,0	60	130	370	1400	**63.34**
902474*	1800	4,0	80	140	380	1800	**72.39**

* *numai la comanda*

CIOCAN ANTIRECUL
Constructie Heavy-Duty

permite lovirea pieselor metalice fara riscul de deteriorare si spargere

Minimizare Recul | Elimina Scanteile | Reduce deformarea

suprafata capului ciocanului este neteda si stralucitoare

capul umplut cu alice din otel adauga forta suplimentara loviturilor de ciocan si elimina recul si scanteile

materiale solide si durabile, rezistente la acizi si substante alcaline, rezistente la coroziune si la temperaturi inalte

manerului antiderapant faciliteaza prinderea confortabila, potrivit pentru lucru indelungat

fara scantei

- Prelucrarea metal
- Automotive
- Constructii
- Bricolaj
- Renovari

material: otel A3

material: PVC

7820A









NOU

Coada din lemn pentru ciocan



bukev

	Tip	kg			
638085000	100 g	0,05	260	-	**8.85**
638085100	200 g	0,06	280	-	**9.02**
638085200	250-300 g	0,08	300	-	**9.18**
638220200	400g	0,08	310	-	**9.18**
638085300	500 g	0,09	320	-	**9.84**
638085400	600 g	0,10	330	-	**9.84**
638085500	800 g	0,12	350	-	**10.98**
638085600	1000 g	0,14	360	-	**11.64**
638085700	1200-1500g	0,17	380	-	**11.80**
638085800	2000 g	0,20	400	-	**14.26**

818.1

Coada din lemn cu pana pentru baros

- *maner din lemn de frasin cu pana ovala speciala*



UNIOR

	816	818		
620649	3000	3000	453	**44.41**
620650	4000	4000	600	**48.37**
620651	5000	5000, 6000	760	**57.84**
620652	8000	8000, 10000	862	**63.69**

817.1

Coada din lemn cu pana pentru baros

- *maner din lemn de frasin cu pana ovala speciala*



UNIOR

	817		
609623	1000, 1250	125	**22.55**
609624	1500	147	**25.30**
609625	2000	150	**30.12**

818.2

Pana pentru baros



UNIOR

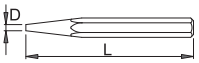
	816	818		
624016	8000	8000, 10000	27	**5.51**

640/6

Priboi

- *material: crom vanadiu*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *in concordanta cu standard DIN 6458*





UNIOR

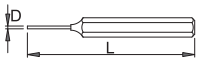
	D	L				
601702	1	120	64	4B	10	21.97
601704	3	120	70	4B	10	19.34
601705	4	120	72	4B	10	19.34
601706	5	120	73	4B	10	19.34

641/6

Dorn

- *material: crom vanadiu*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire:vopsire*
- *in concordanta cu standard DIN 6450*





UNIOR

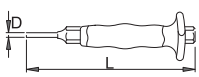
	D	L				
601711	2	150	65	4B	10	25.41
601712	3	150	44	4B	10	25.41
601713	4	150	73	4B	10	25.41
601714	5	150	73	4B	10	25.41
601715	6	150	78	4B	10	25.41
601716	7	150	108	4B	10	25.41
601717	8	150	115	4B	10	28.36
601719	10	150	126	4B	10	28.36

641/6HS

Dorn cu maner de protectie

- *material: crom vanadiu*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *maner ergonomic rezistent bimaterial*
- *in concordanta cu standard DIN 6450*





UNIOR

	D	L				
619759	2	150	81	4B	10	46.56
619760	3	150	76	4B	10	46.56
619761	4	150	79	4B	10	46.56
619762	5	150	83	4B	10	46.56
619763	6	150	86	4B	10	46.56
619764	8	150	99	4B	10	46.56

641/6HSPB

Set de dornuri cu maner in cutie de plastic

- *dimensiunea cutiei : 197 x 167 x 47*



UNIOR

620066	2 - 8 / 6	680	1G	1	349.67

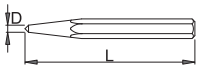
641/6HS (2, 3, 4, 5, 6, 8),
981PBM1 (197 x 167 x 47)

642/6

Punctator

- *material: crom vanadiu*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *in conformitate cu standard DIN 7250*





UNIOR

	D	L				
601724	3	100	38	4B	10	18.03
601725	4	120	70	4B	10	19.34
601726	5	120	70	4B	10	21.15

642A

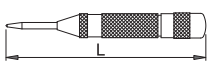
Punctator automat

- *scula din otel*
- *dorn interschimbabil, tratat*
- *acoperire prin nichelare*

Avantaje:

- *mecanism de percutie , activat prin presare descendenta*
- *forta reglabila*





UNIOR

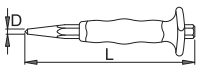
		L				
616810	60 - 130	125	70	4A	1	268.85

642/6HS

Punctator cu maner de protectie

- *material: crom vanadiu*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire:vopsire*
- *maner ergonomic rezistent bimaterial*
- *in conformitate cu standard DIN 7250*





UNIOR

	D	L				
620118	5	120	83	4B	10	41.80

645

Set de dalti, priboaie si punctator



UNIOR

601739	6	525	1S	1	207.70

640/6 (2, 4, 6), 642/6 (3),
660/6A (125), 670/6A (125)

646

Set de priboaie si punctator



UNIOR

601737	6	515	1S	1	154.92

640/6 (2, 3, 4, 5, 6), 642/6 (3)

646A

Set de priboaie si punctatoare



UNIOR

	№					
620178	646A	3	260	1S	1	68.36

640/6 (4), 642/6 (3, 4)

647

Set de dornuri



UNIOR

601738	2 - 8 / 6	575	1S	1		194.92

641/6 (2, 3, 4, 5, 6, 8)

647A

Set de dornuri



UNIOR

620176	3 - 5 / 3	283	1S	1		87.70

641/6 (3, 4, 5)

647B

Set de dornuri



UNIOR

620177	6 - 10 / 3	390	1S	1		93.77

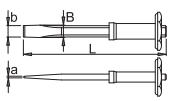
641/6 (6, 8, 10)

660/6HS

Dalta lata cu maner de protectie

- *material: crom vanadiu*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *executie conform standardului DIN 6453*





UNIOR

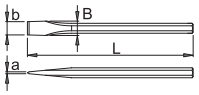
	L	a x b	B				
608484	250	26 x 4	24	615	1E	5	103.44

660/6

Dalta lata

- *material: crom vanadiu*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *executie conform standardului DIN 6453*





UNIOR

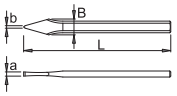
	L	a x b	B				
604267	100	16 x 3	16	90	1P	10	39.51
601732	150	19 x 3	19	183	1P	10	45.25
604242	175	22 x 3	22	283	1P	10	55.25
601733	200	24 x 3	24	388	1P	10	60.82
601734	250	26 x 4	24	506	1P	10	71.48

670/6

Dalta cruce

- *material: crom vanadiu*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *conform cu standardul DIN 6541*





UNIOR

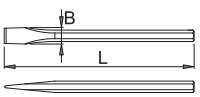
	L	a x b	B				
601747	150	6 x 2	23	172	1P	10	52.79
601748	200	7 x 3	30	302	1P	10	70.00

660/6A

Dalta lata pentru constructii

- *material: crom vanadiu*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *executie conform standardului DIN 7254*





UNIOR

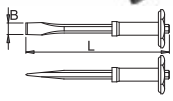
	L		B				
608554	125	10	12	76	1P	10	37.54
608492	250	16	23	403	1P	10	64.75
608493	300	18	26	612	1P	10	79.67

660/6AHS

Dalta cu maner de protectie pentru zidarie

- *material: crom vanadiu*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *executie conform standardului DIN 7254*





UNIOR

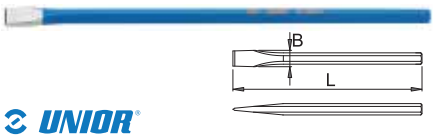
	L		B				
608497	250	16	23	529	1E	5	90.82
608498	300	18	26	758	1E	5	106.39
608499	350	18	26	848	1E	5	117.87



665/6A

Dalta pentru electricieni

- *material: crom vanadiu*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*



UNIOR

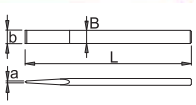
	L		B				
608500	250	8	10	110	1P	10	38.69
608501	250	10	10	160	1P	10	42.79

666/6A

Dalta lata

- *material:material: crom vanadiu*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*





UNIOR

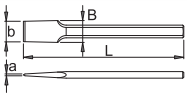
	L	a x b	B				
603477	240	28 x 3	28	315	1P	10	67.21

667/6A

Dalta zidarie

- *material: crom vanadiu, forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*





UNIOR

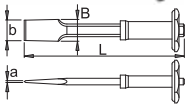
	L	a x b	B				
608671	250	50 x 4	50	480	1P	5	**110.49**

667/6AHS

Dalta zidarie cu maner de protectie

- *material: crom vanadiu forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*





UNIOR

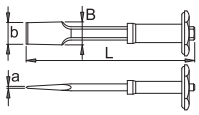
	L	a x b	B				
609286	250	50 x 4	50	625	1E	5	**144.75**

666/6AHS

Dalta lata cu maner de protectie

- *material: crom vanadiu*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*





UNIOR

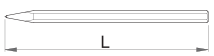
	L	a x b	B				
608503	240	28 x 3	28	459	1E	5	**94.10**

670/6A

Dalta ascutita

- *material: crom vanadiu*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *executie in conformitate cu standardul DIN v*





UNIOR

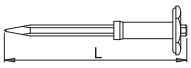
	L					
608555	125	10	72	1P	10	**37.54**
608486	300	18	578	1P	10	**74.10**

670/6AHS

Dalta ascutita cu maner de protectie

- *material: crom vanadiu, forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *executie in conformitate cu standardul DIN 7256*





UNIOR

	L				
608490	300	18	713	1E	5	**100.49**

EGA-58946 NOU

Set 32 preducele interschimbabile Ø2-50 mm

- *include 29 de preducele interschimbabile de la 2 mm la 50 mm*
- *preducele durabile si ascutite care permit o finisare precisa*
- *maner bimaterial, ergonomic, cu zona de prindere anti-alunecare*
- *zona de impact ranforsata conform standardelor internationale*



EGA Master ART IN INNOVATION

	Ø		
EGA-58946	2-3-4-5-6-7-8-9-10-12-14-16 18-20-22-24-26-28-30-32-34 36-38-40-42-44-46-48-50 mm	3400	**3067.90**

EGA-64670 NOU

Set 8 preducele interschimbabile Ø5-32 mm

- *setul este format dintr-un maner si 9 preducele interschimbabile de la 5 mm la 32 mm*
- *preducele ascutite si rezistente pentru o finisare precisa*
- *ideal pentru a face gauri in materiale precum hartie, aluminiu, lemn, cauciuc si plastic*
- *furnizat intr-o cutie de plastic*



EGA Master ART IN INNOVATION

	Ø		
EGA-64670	5-6-8-10-12,5-16-20-25-32 mm	900	**783.39**

NOU

Predusea interschimbabila

- *preducele durabile si ascutite care permit o finisare precisa*
- *zona de impact ranforsata conform standardelor internationale*
- *ideal pentru a face gauri in materiale precum hartie, aluminiu, lemn, cauciuc si plastic*



EGA Master ART IN INNOVATION

	Ø	L			
EGA-64671	5	27	10	15	**48.71**
EGA-64672	6	27	10	15	**48.71**
EGA-64673	8	27	10	20	**48.71**
EGA-64674	10	27	10	25	**48.71**
EGA-64675	12,5	27	10	30	**68.26**
EGA-64676	16	27	10	40	**68.26**
EGA-64677	20	27	10	50	**105.00**
EGA-64678	25	27	10	60	**105.00**
EGA-64679	32	27	10	80	**105.00**

NOU

Maner pentru preducele



EGA Master ART IN INNOVATION

	Ø			
EGA-64680	5-32	1	250	**223.01**

771

Predusea cu maner

- *predusea manuala cu forma conica*
- *DIN 7200, Forma A*
- *acoperire: vopsire*



WGB THE WERKZEUG

	Ø	mm			
7710020	2	100	10	41	**62.43**
7710030	3	100	10	43	**62.43**
7710040	4	100	10	43	**62.43**
7710050	5	100	10	56	**62.43**
7710060	6	100	10	56	**62.43**
7710070	7	100	10	50	**64.63**
7710080	8	112	10	82	**64.63**
7710090	9	112	10	79	**66.83**
7710100	10	115	10	78	**75.83**
7710110	11	122	10	107	**85.10**
7710120	12	122	10	107	**91.90**
7710130	13	135	10	107	**105.67**
7710140	14	135	10	148	**109.70**
7710150	15	135	10	144	**121.73**
7710160	16	135	10	144	**132.84**
7710170	17	135	5	141	**142.75**
7710180	18	143	5	185	**152.94**
7710190	19	143	5	185	**161.39**
7710200	20	155	5	180	**175.71**
7710220	22	155	5	256	**207.75**
7710250	25	168	5	363	**242.54**
7710300	30	175	1	425	**330.40**

8470 NOU

Preducele pentru materiale moi

- *preducelele sunt fabricate din otel carbon pentru scule, tratate termic la 50 HRc*
- *sunt folosite pentru taierea garniturilor din cauciuc, pluta sau alte materiale moi*
- *deschiderile variaza de la 2 la 9 mm.*



narex

	Ø		
847002	2	34	24.10
847003	3	33	24.10
847004	4	33	21.15
847005	5	33	21.15
847006	6	32	21.15
847007	7	32	21.15
847008	8	31	21.15
847009	9	29	21.15

8480 NOU

Preducele cu maner

- *instrument, care nu trebuie sa lipseasca in niciun atelier.*
- *fabricat din otel carbon tratat termic*
- *conceput pentru taierea garniturilor din cauciuc, pluta sau alte materiale moi*



narex

	Ø	L		
848002	2	100	18	58.69
848003	3	100	32	58.69
848004	4	100	30	58.69
848005	5	100	46	60.33
848006	6	100	42	60.33
848007	7	100	64	63.77
848008	8	100	60	63.77
848009	9	115	94	71.31
848010	10	115	92	71.31
848011	11	115	120	77.38
848012	12	115	116	77.38
848013	13	115	146	85.41
848014	14	115	182	85.41
848015	15	115	174	85.41

8460 NOU

Maner pentru preducele



narex

	L	Ø		
846100	290	37	468	153.77

8460 NOU

Preducele Cr-V

- *capetele de perforare sunt fabricate din otel Cr-V si tratate termic la 52HRc*
- *se folosesc pentru decuparea garniturilor din cauciuc, pluta sau alte materiale moi si deschideri in aceste materiale cu diametrul 10-50 mm.*



narex

	Ø		
846010	10	50	77.87
846012	12	54	77.87
846014	14	56	79.18
846016	16	56	79.18
846018	18	63	80.16
846020	20	64	80.49
846022	22	71	85.90
846025	25	81	88.03
846030	30	96	95.57
846035	35	111	101.31
846040	40	131	110.49
846045	45	150	115.25
846050	50	179	118.85

8481 NOU

Preducele cu maner Cr-V

- *instrument, care nu trebuie sa lipseasca in niciun atelier.*
- *capetele de perforare sunt fabricate din otel Cr-V si tratate termic la 52HRc*
- *se folosesc pentru decuparea garniturilor din cauciuc, pluta sau alte materiale moi si deschideri in aceste materiale cu diametrul 10-50 mm.*



narex

	Ø	L		
848116	16	110	108	121.97
848118	18	110	112	121.97
848120	20	110	118	124.59
848122	22	125	294	126.39
848125	25	125	300	127.70
848128	28	125	310	130.33
848130	30	125	316	130.33
848135	35	125	336	132.62
848138	38	125	342	141.80
848140	40	125	352	142.62
848145	45	125	364	146.23
848150	50	125	390	150.98

8470 NOU

Maner pentru preducele



narex

	L	Ø		
847100	100	-	220	60.82

8547 NOU

Set 8 preducele interschimbabile

- *setul contine poansoane interschimbabile de dimensiuni: 2, 3, 4, 5, 6, 7, 8, 9 si maner (tip 847100).*
- *poansonele sunt fabricate din otel carbon pentru scule, tratate termic la 50 HRc*
- *sunt folosite pentru taierea garniturilor din cauciuc, pluta sau alte materiale moi*



narex

	Ø		
854700	2, 3, 4, 5, 6, 7, 8, 9	520	235.08

8548 NOU

Set 7 preducele cu maner

- *setul contine poansoane cu diametre: 3, 4, 5, 6, 8, 10, 12 mm*
- *preducelele sunt fabricate din otel carbon tratat termic si sunt proiectate pentru taierea garniturilor din cauciuc, pluta sau alte materiale moi*



narex

	Ø		
854800	3, 4, 5, 6, 8, 10, 12	720	473.44

8546 NOU

Set 13 preducele interschimbabile Ø10-50 mm

- *setul contine preducele interschimbabile de dimensiuni: 10, 12, 14, 16, 18, 20, 22, 25, 30, 35, 40, 45, 50 si maner (tip 846100).*
- *capetele de perforare sunt fabricate din otel Cr-V si tratate termic la 52HRc*
- *sunt folosite pentru decuparea garniturilor din cauciuc, pluta sau alte materiale moi si deschideri în aceste materiale cu diametrul 10-50mm*





narex

	Ø		
854600	10, 12, 14, 16, 18, 20, 22, 25, 30, 35, 40, 45, 50	2238	1314.43



TOPOARE SI UNELTE AGRICOLE

TOVARNA KOS

Compania din Tovarna Kos din Srpov a fost infiintata in 1881 de catre Heinrich Kieffer. In acest sens, a devenit un pionier al productiei industriale de unelte agricole din Europa. Peste de 135 de ani de experienta si traditie in acest mestesug au dus la cresterea calitatii si rezistentei produselor. In ultimii ani sa realizat un program de investitii si modernizare continua, pentru a raspunde cerintelor si asteptarilor crescande ale clientilor nostri.

CUTBRIK TOOLS, SA

CUTBRIK TOOLS, SA, 1962, se mandreste sa fie una dintre companiile lider la nivel mondial in productia de fierastraie coada de vulpe si fierastraie cu arc. Scopul nostru principal este de a oferi pietei o selectie completa de solutii de taiere manuala, asigurand in acelasi timp standardul de calitate inca din prima zi.

tovarna kos in srpov

cutBRIK PORTUGAL

60231700

Topor de camping si drumetie

- *tratat termic*
- *nivel ridicat de calitate si versatilitate*
- *poate fi folosit in gospodarie, in padure, pentru ramuri mai mici, pentru camping etc.*
- *maner din lemn de frasin*

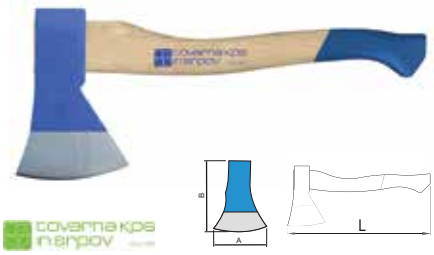


	G	L			
60231700	300	320	500	1	**186.72**



Topor uz gospodaresc

- *material: compozitie speciala pentru a fi tratata termic, forjata*
- *tratat termic*
- *vopsit*
- *maner din lemn de frasin, anti-alunecare vopsit*



	G	a x b	L			
60120900	600	105 x 155	360	800	1	**177.38**
60121000	800	120 x 170	380	1300	1	**183.36**
60121500	1000	122 x 172	400	1500	1	**195.66**

60122000

Topor de zidar

- *material: compozitie speciala pentru a fi tratata termic,forjata*
- *tratat termic*
- *vopsit*
- *maner din lemn de frasin, anti-alunecare vopsit*



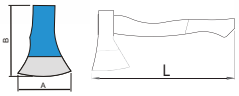
	G	a x b	L			
60122000	800	112 x 1500	380	1050	1	**199.43**

60110205

Topor de despicat

- *realizat din otel de inalta calitate, calit, lustruit si polisat*
- *maner de lemn, cu o lungime de 800 mm*
- *maner cu o protectie de inalta calitate impotriva impactului*





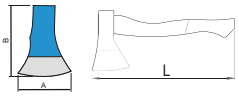
	G	a x b	L			
60110205	2000	90 x 193	800	2800	1	321.80

60110605

Topor de despicat

- *realizat din otel de inalta calitate, calit, lustruit si polisat*
- *maner de lemn, cu o lungime de 700 mm*
- *maner cu o protectie de inalta calitate impotriva impactului*



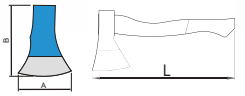


	G	a x b	L			
60110605	1700	100 x 160	700	2400	1	301.89

Secure padurar

- *realizat din otel de inalta calitate, calit, lustruit si polisat*
- *maner de lemn, cu o lungime de 950 mm*
- *ideal pentru divese activitati forestiere*





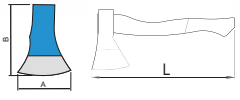
	G	a x b	L			
60156000	1500	174 x 170	900	2400	1	311.64
60166000	1800	183 x 176	950	2800	1	335.74
60176000	2000	193 x 176	950	3000	1	342.54

60110900

Topor de despicat si pozitionat busteni

- *realizat din otel de inalta calitate, calit, lustruit si polisat*
- *maner de lemn, cu o lungime de 950 mm*
- *ideal pentru pozitionarea si despicarea bustenilor*





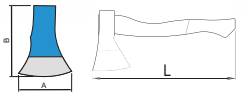
	G	a x b	L			
60110900	3000	75 x 205	950	3850	1	322.87

60110905 NOU

Topor de despicat si pozitionat busteni 3,0 kg SPECIAL

- *realizat din otel de inalta calitate, calit, lustruit si polisat*
- *maner de lemn, cu o lungime de 950 mm*
- *ideal pentru pozitionarea si despicarea bustenilor*





	G	a x b	L			
60110905	3000	75 x 205	950	3850	1	333.69

NOU

Pana de despicat lemne

- *otel forjat*
- *se utilizeaza pentru despicarea butucilor de lemn.*



60233200	1500	1	128.20
60233600	2000	1	145.98

NOU

Tesla cu coada

- *otel forjat tratat termic, cu suprafata lustruita si protejata anticoroziv*
- *maner din lemn lacuit*



	Nr.	a x b	L			
67322000	1	79 x 165	350	620	1	140.49
67324000	2	81,5 x 175	350	720	1	142.62

64025005 NOU

Harlet drept HERKULES cu coada

- *otel forjat*



	a x b	L			
64025005	290x200	1020	2250	1	158.03

61190500 NOU

Coasa ascutita fara coada

- *otel forjat*
- *se livreaza fara coada*

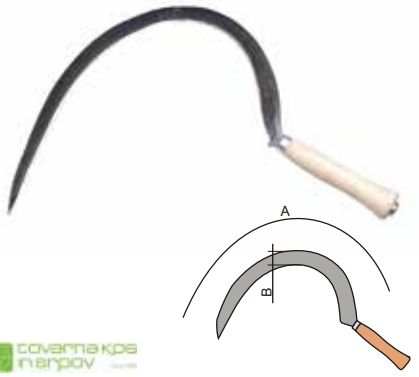


	G	a x b	L			
61190500	1700	700 x 42	700	450	1	241.80

NOU

Secera tip romanesc

- *otel forjat tratat termic, cu suprafata lustruita si protejata anticoroziv*
- *maner din lemn lacuit*



	Nr.	a x b	L			
63040300	1	430 x 20	130	210	1	82.79
63040400	2	460 x 20	130	220	1	87.70

67515000 NOU

Tarnacop cu coada

- *otel forjat*



	G	a x b	L			
67515000	2250	500 x 50	900	2800	1	231.56

55 NOU

Grebla din otel

- *grebla din otel, rezistenta, durabila pentru utilizare in gradinarit si/sau in agricultura*



	Dinti		
55-10	10	420	38.03
55-12	12	470	41.80
55-14	14	585	47.87
55-16	16	670	51.80
55-18	18	740	55.74
55-20	20	840	60.49

7556N

NOU

Cutter cu carcasa ABS



	L	B			
902438	160	18	100 x 18 x 0.5	67	6.79

7556/12AS

Cutter KRONUS 160 mm cu set 10 lame schimb pentru cutter C60 si set 10 lame schimb pentru cutter SK4

- *material maner: ABS*
- *lama segmentata din otel carbon aliat, cu 8 segmente*
- *set 10 lame de cutter C60*
- *set 10 lame de cutter SK4*



C60 SK4

KRONUS Professional Quality

	L	B			
699769	160	18	100 x 18 x 0.5	193	26.65

7556/1AS

Cutter KRONUS 160 mm cu set 10 lame schimb pentru cutter C60

- *material maner: ABS*
- *lama segmentata din otel carbon aliat, cu 8 segmente*
- *set 10 lame de cutter C60*



KRONUS Professional Quality C60

	L	B			
699768	160	18	100 x 18 x 0.5	143	15.09

7556/2AS

Cutter KRONUS 160 mm cu set 10 lame schimb pentru cutter SK4

- *material maner: ABS*
- *lama segmentata din otel carbon aliat, cu 8 segmente*
- *set 10 lame de cutter SK4*



KRONUS Professional Quality SK4

	L	B			
699770	160	18	100 x 18 x 0.5	143	18.44

7556A

NOU

Cutter cu carcasa ABS

- *material maner: ABS*
- *lama segmentata din otel carbon aliat, cu 8 segmente*



KRONUS Professional Quality C60

	L	B			
621765	160	18	100 x 18 x 0.5	143	7.50

556A

Cutter cu lama segmentata interschimbabila 9 mm

- *maner bimaterial*
- *2 lame interschimbabile in maner*
- *lama din otel carbon aliat SK 4*
- *ghidaj al lamei din inox*
- *sistem de blocare a lamei*
- *cand a fost utilizat ultimul segment, acesta poate fi indepartat impingand butonul inainte*



UNIOR SK4

	L	B			
627548	130	9	80 x 9 x 0.4	40	15.90

556A

Cutter cu lama segmentata interschimbabila 18 mm

- *maner bimaterial*
- *3 lame interschimbabile automat in interior*
- *lama cu 13 lame de schimb*
- *lama din otel carbon aliat SK4*



UNIOR SK4

	L	B			
616853	160	18	100 x 18 x 0.5	99	23.11

556A

Cutter cu lama segmentata interschimbabila 25 mm

- *maner bimaterial*
- *2 lame interschimbabile in maner*
- *lama din otel carbon aliat SK 4*
- *ghidaj al lamei din inox*
- *sistem de blocare a lamei*
- *cand a fost utilizat ultimul segment, acesta poate fi indepartat impingand butonul inainte*



UNIOR SK4

	L	B			
627549	190	25	124 x 25 x 0.7	115	33.11

7556D

Cutter universal Snap Off 18 mm cu 3 lame SK2H

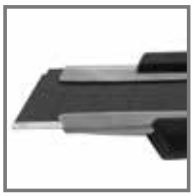
- *material maner: ABS cauciucat anti-alunecare*
- *lama segmentata din otel aliat SK2H, cu 8 segmente*
- *ideal pentru utilizare la birou sau acasa*
- *ghidaj al lamei din inox*
- *sistem de blocare a lamei*
- *magazie cu 2 lame suplimentare*
- *schimbarea lamelor fara unelte suplimentare*

LAMA DE SCHIMB: *toata familia 7556.1 (100x18x0.5 mm)*









Sina matalica si manerul ABS formeaza o scula robusta si sigura



Buton mare pentru fixarea lamei in una din cele 15 pozitii

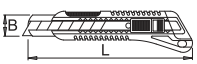


Gaura pentru prinderea pe un cordon de siguranta



Magazie glisanta pentru 2 lame suplimentare (SK2H)





KRONUS Professional Quality | SK2H | 18 | 0.5 mm | X21

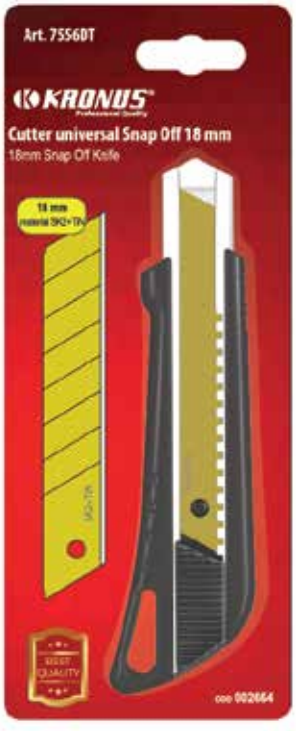
	L	B		
900632	158 x 38	18	89.3	22.66

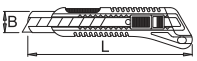
7556DT NOU

Cutter universal Snap Off 18 mm cu 3 lame SK2+TiN

- *material maner: ABS cauciucat anti-alunecare*
- *lama segmentata din otel aliat SK2+TiN, cu 8 segmente*
- *ideal pentru utilizare la birou sau acasa*
- *ghidaj al lamei din inox*
- *sistem de blocare a lamei*
- *magazie cu 2 lame suplimentare*
- *schimbarea lamelor fara unelte suplimentare*

LAMA DE SCHIMB: *toata familia 7556.1 (100x18x0.5 mm)*





KRONUS Professional Quality | TiN | 18 | 0.5 mm | X21

	L	B			
902664	158 x 38	18	100 x 18 x 0.5	89.3	23.00

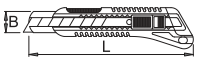
7556DC NOU

Cutter universal Snap Off 18 mm cu 2 lame CERAM

- *material maner: ABS cauciucat anti-alunecare*
- *lama segmentata CERAMICE, cu 8 segmente*
- *ideal pentru utilizare la birou sau acasa*
- *ghidaj al lamei din inox*
- *sistem de blocare a lamei*
- *magazie cu 1 lama suplimentara*
- *schimbarea lamelor fara unelte suplimentare*

LAMA DE SCHIMB: *toata familia 7556.1 (100x18x0.5 mm)*





KRONUS Professional Quality | CERAM | 18 | 0.5 mm | X21

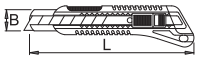
	L	B			
902666	158 x 38	18	100 x 18 x 0.5	89.3	37.45

556B

Cutter cu lama segmentata interschimbabila 18 mm

- *maner cu doua componente*
- *8 lame interschimbabile, automate, in interiorul manerului*
- *lama cu 13 segmente detasabile*
- *lama din otel aliat de inalta calitate SK5*
- *lama poate fi miscata doar cu blocul de taiere impins in fata*
- *cand lama este tocita, segmentul poate fi rupt*
- *cand ultima lama a fost utilizata, restul lamei poate fi indepartat prin impingerea blocului de taiere înainte*
- *lungime: 160 mm*
- *latime: 18 mm*
- *greutate: 167 mm*





UNIOR SK4

	L	B			
612136	160	18	100 x 18 x 0.5	167	47.21

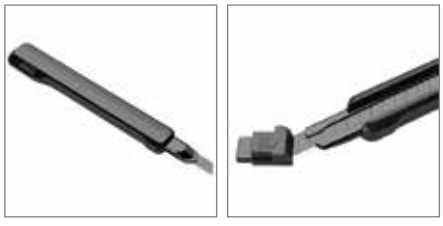
7556SC09 NOU

Cutter universal snap-of 9 mm

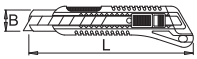
- *cutterul 7556SC09 9 mm va duce experienta ta de taiere la un nivel superior.*
- *acest cutter este echipat cu o lama din otel SK2H extra-durabila cu 13 segmente care asigura performante de taiere superioare si o durabilitate indelungata*
- *taietorul de lama integrat si varful multifunctional ofera versatilitate pentru o gama larga de sarcini de taiere*
- *cu manerul sau ergonomic, acest cutter ofera un confort exceptional si un control sporit, reducand oboseala mainii in timpul utilizarii prelungite*
- *caracteristica de blocare a sigurantei adauga o protectie suplimentara, mentinand lama la locul ei*
- *material: ABS de inalta calitate*
- *mecanism de auto-blocare*
- *gaura agatare*
- *sistem de blocare*
- *fanta pentru rupera lamelor*
- *sina din otel inoxidabil cu grosime de 1 mm*
- *dimensiuni lama: 0.4 x 9 x 80 mm*
- *material lama: SK2H*
- *dimensiuni cutter: 144 x 20 x 10 mm*
- *greutate: 20.30 g*



KRONUS Professional Quality



SK2H



	L	B	A			
902772	144	20	10	80 x 9.0 x 0.4	20.3	12.22

7556A

Cutter cu carcasa ABS

- *acest cutter popular cu lama snap-of de 18 mm este echipat cu blocare pentru acele lucrari care necesita mai multa finete.*
- *coada conica permite o prindere mai buna in mana*
- *lame glisante inauntru / in afara in ghidaj precis din metal vopsit negru*
- *capatul manerului cu locas pentru a rupe sectiuni ale lamei pentru o noua taiere.*
- *ghidaj metalic pentru rezistenta si longevitate*
- *maner ergonomic ABS rezistent la socuri*
- *functie de blocare cu glisare pentru a preveni alunecarea lamei*
- *lama segmentata din otel carbon aliat C60, cu 8 segmente*

LAMA DE SCHIMB: *toata familia de lame 7556.1 de 18 mm*
APLICATII: *taiere generala, folie, piele, carton, plastic*

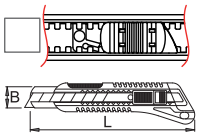






KRONUS Professional Quality

C60



	L	B	I			
621765	160	18	40	100 x 18 x 0,5	110	7.50

7556SC18 NOU

Cutter universal snap-of 18 mm

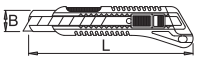
- *cutterul 7556SC18 de 18mm Snap-Off este instrumentul de taiere suprem, conceput atat pentru profesionisti, cat si pentru pasionati*
- *echipat cu o lama SK2H de 8 segmente (18 mm), acest cutter asigura taieturi precise si curate cu usurinta*
- *manerul ergonomic ofera un confort exceptional si un control sporit, permitand utilizarea prelungita fara oboseala*
- *cu taietorul de lama integrat, poti indeparta usor sectiunile uzate ale lamei pentru o taiere continua si ascutita*
- *material: ABS de inalta calitate*
- *mecanism de auto-blocare*
- *gaura agatare*
- *sistem de blocare*
- *fanta pentru rupera lamelor*
- *sina din otel inoxidabil cu grosime de 1 mm*
- *dimensiuni lama: 0.5 x 18 x 100 mm*
- *material lama: SK2H*
- *dimensiuni cutter: 168 x 30 x 20 mm*
- *greutate: 121.4 g*



KRONUS Professional Quality



SK2H



	L	B	A			
902773	168	30	20	100 x 18 x 0.5	121	20.36

7556SC06 NOU

Mini-cutter cu lama autoretractabila pentru ambalaje 60x30 mm

- *mini-cutterul are doar 6 cm lungime, cantareste 8 grame si dispune de un maner ergonomic care se potriveste perfect in palma mainii tale*
- *se ataseaza la un breloc si se poate agata de un rucsac.*
- *carcasa cutterului retractabil este realizata din plastic ABS dur pentru durabilitate si duritate mare*
- *lama din otel carbon SK2 are un unghi de taiere de 45 de grade pentru un tais de lunga durata.*
- *mini-cutterul de cutii are un design retractabil automat care retrage lama prin actiunea unui arc, facandu-l usor de utilizat si in acelasi timp sporind siguranta si reducand riscul de accidente sau rani.*
- *aplicatii: se utilizeaza la cutii, tapet, covoare, carton, vinil, sfoara pana la taierea pastilelor. Taie tot ce ai nevoie in viata de zi cu zi*
- *mini-cutterul retractabil de cutii este perfect pentru acasa, birou, scoala, dar si pentru calatorii si activitati in aer liber*
- *magnet interior pentru o prindere usoara*
- *mecanism de auto-blocare*
- *lama retractabila*
- *gaura agatare*
- *dimensiuni cutter: 60 x 30 x 12 mm*
- *greutate: 10 g*







SK2

	L	B	A			
902545	63	30	12	35 x 9	10	5.43

7556SCKIT3 NOU

Set 3 cuttere universale

- *material: ABS de inalta calitate*
- *cutter cu lama retractabila pentru ambalaje (63 x 30 x 12 mm)*
- *cutter universal snap-of 9 mm (144 x 20 x 10 mm)*
- *cutter universal snap-of 18 mm (168 x 30 x 20 mm)*

KRONUS Professional Quality







SK2 SK2H

902771	3	188	38.01

7556SC06 (60 x 30 x 12 mm); 7556SC09 (144 x 20 x 10 mm); 7556SC18 (168 x 30 x 20 mm)

556.1A

Set 10 lame segmentate 9 mm pentru cutter 556 A

- *lama din otel carbon aliat SK 4*
- *cand a fost utilizat ultimul segment, acesta poate fi indepartat impingand butonul inainte*



UNIOR

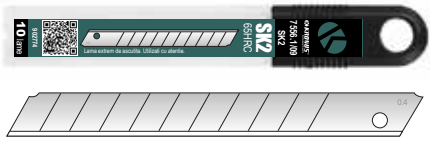
12 segmente | < 18 | 0.5 mm | X10 | SK5

	L	B				
627550	100	9	75	1S	10	9.34

7556.1/09-SK2 NOU

Set 10 lame de cutter 9 MM SK2

- *material: otel SK2*
- *set 10 lame cu 13 segmente*
- *se livreaza in cutie din plastic*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri etc.*
- *duritate: ≥65 HRc*
- *continut de carbon: 1.20%*
- *unghi ascutire: 60°*
- *ascutire: dubla*





KRONUS Professional Quality

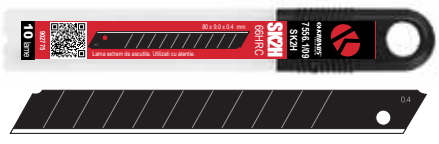
12 segmente | < 9 | 0.4 mm | X10 | SK2

	L	A	I		
902774	80	9	0.4	62	4.62

7556.1/09-SK2H NOU

Set 10 lame de cutter 9 MM SK2H

- *material: otel SK2H*
- *set 10 lame cu 13 segmente*
- *se livreaza in cutie din plastic*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri etc.*
- *duritate: ≥65 HRc*
- *continut de carbon: 1.20%*
- *unghi ascutire: 60°*
- *ascutire: dubla*





KRONUS Professional Quality

12 segmente | < 9 | 0.4 mm | X10 | SK2H

	L	A	I		
902775	80	9	0.4	62	9.50

556.1B

Set 10 lame segmentate 18 mm pentru cutter 556 A si 556B

- *lama din otel carbon aliat SK 4*
- *cand a fost utilizat ultimul segment, acesta poate fi indepartat impingand butonul inainte*



UNIOR

8 segmente | < 18 | 0.5 mm | X10 | SK5

	L	B				
612137	100	18	75	1S	10	20.00

7556.1 SK5

Set 10 lame de cutter SK5

- *material: otel SK5*
- *set 10 lame cu 8 segmente*
- *se livreaza in cutie din plastic*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, nailon, tuburi din plastic, garnituri etc.*
- *duritate: ≥62 HRc*
- *continut de carbon: 0.90%*
- *unghi ascutire: 60°*
- *ascutire: dubla*



KRONUS Professional Quality

8 segmente | < 18 | 0.5 mm | X10 | SK5

	L	B				
900638	100	18	75	1S	10	6.80

7556.1 C60

Set 10 lame de cutter C60

- *material: otel C60*
- *set 10 lame cu 8 segmente*
- *se livreaza in cutie din plastic*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri etc.*
- *duritate: ≥60 HRc*
- *continut de carbon: 0.60%*
- *unghi ascutire: 60°*
- *ascutire: dubla*



KRONUS Professional Quality

8 segmente | < 18 | 0.5 mm | X10 | C60

	L	B				
699767	100	18	75	1S	10	6.46





556.1A

Set 10 lame segmentate 25 mm pentru cutter 556 A si 556B

- *lama din otel carbon aliat SK 4*
- *cand a fost utilizat ultimul segment, acesta poate fi indepartat impingand butonul inainte*



UNIOR

8 segmente | < 18 | 0.5 mm | X10 | SK5

	L	B				
627551	100	25	75	1S	10	39.34

7556.1 SK2

Set 10 lame de cutter SK2

- *material: otel SK2*
- *set 10 lame cu 8 segmente*
- *se livreaza in cutie din plastic*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, nailon, tuburi din plastic, garnituri etc.*
- *duritate: ≥65 HRc*
- *continut de carbon: 1.20%*
- *unghi ascutire: 60°*
- *ascutire: dubla*



KRONUS Professional Quality

8 segmente | < 18 | 0.5 mm | X10 | SK2

	L	B				
900639	100	18	75	1S	10	8.21

7556.1 SK4

Set 10 lame de cutter SK4

- *material: otel SK4*
- *set 10 lame cu 8 segmente*
- *se livreaza in cutie din plastic*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri etc.*
- *duritate: ≥64 HRc*
- *continut de carbon: 1.00%*
- *unghi ascutire: 60°*
- *ascutire: tripla*



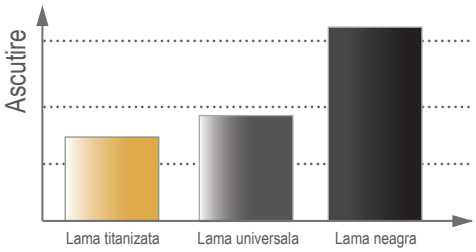
KRONUS Professional Quality

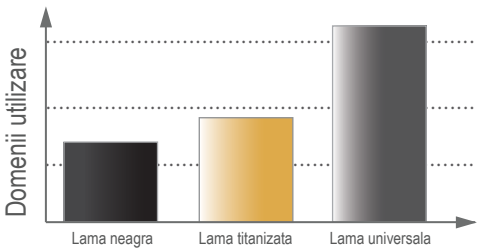
8 segmente | < 18 | 0.5 mm | X10 | SK4

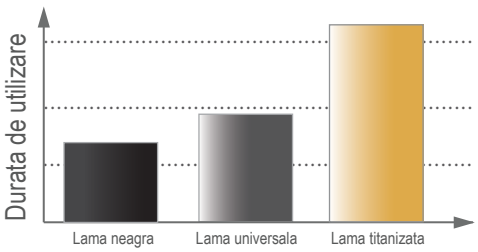
	L	B				
699766	100	18	75	1S	10	9.58











7556.1 SK2H

Set 10 lame de cutter 18 mm SK2H

• lamele 7556.1 SK2H cu 8 segmente de 18mm din otel SK2H sunt concepute cu atentie pentru a se potrivi perfect majoritatii cutterelor standard cu lame interschimbabile
• aceste lame se remarca prin taisul lor neegalat, datorita constructiei din otel SK2H, care depaseste performantele de taiere ale lamelor conventionale
• cu opt segmente fin ascutite pe fiecare lama, ofera un nivel suplimentar de taiere
• material: otel SK2H
• set 10 lame cu 8 segmente
• se livreaza in cutie din plastic
• aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri, pasla, PVC, gips-carton furnir, piele, tabla moale etc.
• duritate: ≥67 HRc
• continut de carbon: 1.20%
• unghi ascutire: 60°
• ascutire: tripla





3× mai rezistenta
5× mai ascutita

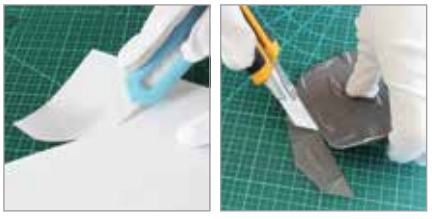
	L	A	I		
900640	100	18	0,5	75	17.00

7556.1 CERAM

Set 5 lame de cutter ceramice 18 mm

• fabricate din oxid de zirconiu 100% de inalta calitate
• compatibile cu o gama larga de cuttere existente pe piata
• pentru inlocuirea optionala pentru lamele standard din otel
• durata mai mai mare de utilizare decat o lama de otel
• ascutire durabila si, prin urmare, ideale pentru diferite tipuri de materiale de taiere
*• **Anti-Ex***
• Non magnetic: fara aderenta a particulelor magnetice
• Inert chimic: fara nicio reactie cu alte substante
• Nu rugineste: ideale in mediu de taiere umed
• Neuleiate: fara contaminare a materialului de taiat
• Neconductiv: fara transmitere a potentei electrice
• duritate: ≥90 HRc
• unghi ascutire: 60°
• ascutire: dubla





	L	A	I		
902439	100	18	0.65	64	58.82

7556.1SK2+TiN

Set 10 lame de cutter titanizate 18 mm

• lama snap off cu fixare ideala pentru diverse cuttere de taiere utilitare, potrivite si pentru taierea industriala, cum ar fi taierea podelei, hartia, cartonul, debavurarea componentelor interioare auto turnate, aplicatiile de curatare si multe altele.
• fabricate din otel carbon, cu acoperire TiN pentru o durata de viata mai lunga si lucrari de taiere mai grele
• potrivite pentru toate cutterele standard
• muchie de taiere fara bavuri.
TiN *cel mai popular strat dur din industria de fabricare a lamelor: ofera rezistenta ridicata la abraziune si prelungirea duratei de viata de dous pana la patru ori*
• duritate: ≥65 HRc
• continut de carbon: 1.20%
• unghi ascutire: 60°
• ascutire: dubla





	L	A	I		
902440	100	18	0.5	86	17.87

7556.1-BIM NOU

Set 10 lame de cutter Bi-Metal 18 mm

• otel rapid, calit
• otel elastic care permite indoirea lamei fara a se rupe accidental
• fara fragmente de lama care zboara datorita tehnologiei soft-snap
• ramane ascutita de pana la 3 ori mai mult decat lamele din carbon
• ideala pentru taierea gips-cartonului, izolatiei, materialelor de pardoseala si foliei pentru acoperis
• material: Bi-Metal
• duritate: ≥66 HRc
• unghi ascutire: 60°
• ascutire: dubla

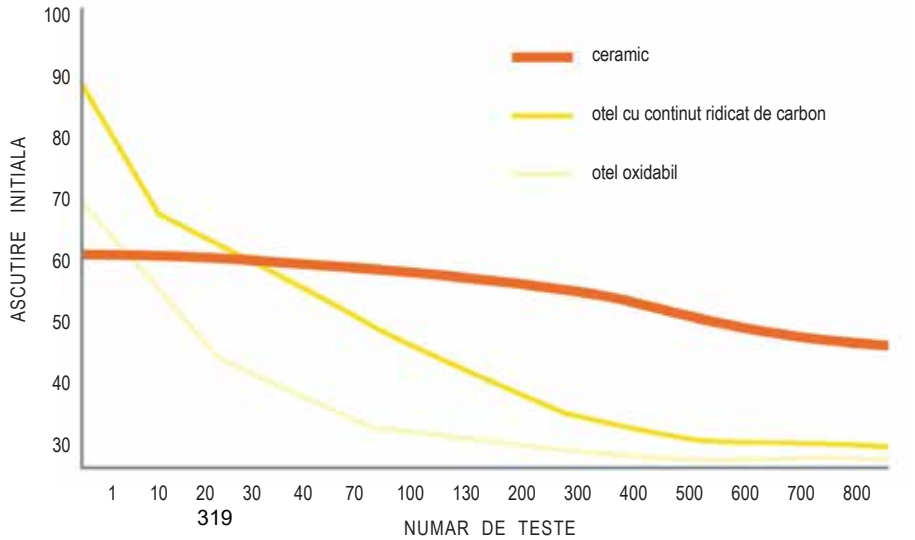




	L	A	I		
902776	100	18	0.5	86	35.29

ceramica rezista mai mult decat otelul

lamele metalice i ncep mai ascutite decat este necesar si se tocesc rapid.
lamele ceramica are o ascutire initiala mai sigura si rezista mult mai mult inainte de a se toci



7556S

Cutter de securitate autoretractabil

• *cutter economic pentru o varietate de aplicatii*
• *oferind o tehnologie de siguranta cu arc unic, acest cutter se retrage automat atunci cand se elibereaza tragaciul lateral*
• *glisorul supradimensionat pentru degetul mare permite un control mai bun in timpul taierii*
• *lama din otel SK4 asigura o taiere curata si este extrem de durabila*
• *cand este utilizat corect, acest cutter poate reduce accidentele de munca*
• *manerul striat ajuta la o prindere sigura si reducere alunecarea*
• *inel de atasare pentru cordon de lucru la inaltime*
• *schimbarea rapida si udoara a lamei reduce timpul de oprire in timpul taierii.*
• *potrivit pentru utilizatori stangaci si dreptaci*

LAME DE SCHIMB: *7556.05T, 7556.10T, 7556.10C, 7556.10T BIM*

APLICATII: *folii pentru paleti, carton, saci de plastic/carton, folie cu bule, banda de plastic, cauciuc, plastice, mentenanta/ reparatii*

• *material: corp turnat din aliaj zinc pentru o durata lunga de utilizare*
• *dimensiuni corp: 167 x 35,5 x 23 mm*
• *dimensiuni lama: 60 x 19 x 0.6 mm*
• *lama doua muchii de taiere care pot fi folosite una dupa alta pentru o durata lunga de utilizare*
• *adancime de taiere 20 mm*



	L	A	I			
7556S	167	36	23	61x19x0.6	160	**22.38**

7556SS

Cutter cu dubla securitate autoretractabil cu set 10 lame SK5

• *cutter cu dubla securitate care permite lamei sa se retraga imediat ce presiunea este eliberata de pe lama, chiar daca tragaciul ramane in pozitie apasata*
• *aceasta tehnologie inteligenta este conceputa pentru a reduce accidentele la maini, brate si picioare la locul de munca*
• *schimbarea rapida ai usoara a lamei inseamna mai putin timp de nefunctionare si nu sunt necesare unelte suplimentare*
• *poate fi folosit atat cu mana dreapta cat si cu mana stanga*
• *carcasa turnata din aliaj zinc cu o lunga durata de viata*
• *maner acoperit cu cauciuc anti-alunecare.*
• *butonul pentru schimbarea lamei, situat intre tragaci si varful cutterului, permite schimbarea usoara a lamei fara a fi necesare unelte suplimentare*
• *poate fi folosit atat cu mana dreapta cat si cu mana stanga*
• *accepta toate tipurile de lamel standard pentru cutter utilitar*

LAME DE SCHIMB: *7556.05T, 7556.10T, 7556.10C, 7556.10T BIM, 7556.05H*

APLICATII: *folii pentru paleti, carton, saci de plastic/carton, folie cu bule, banda de plastic, cauciuc, panduiti, mentenanta/reparatii*

• *material: corp turnat din aliaj zinc pentru o durata lunga de utilizare*
• *dimensiuni corp: 162 x 37,5 x 20 mm*
• *dimensiuni lama: 60 x 19 x 0.6 mm*
• *lama doua muchii de taiere care pot fi folosite una dupa alta pentru o durata lunga de utilizare*
• *adancime de taiere 20 mm*







Comutati butonul in pozitia "change", manevrati culisorul inainte, eliberati lama uzata, montati o lama noua in locas si actionati din nou butonul in pozitia de blocare.

	L	A	I			
7556SS	162	37.5	20	60x19x0.6	264	**52.45**



Chiar si in situatia in care culisorul este in pozitie de taiere, lama se va retrage automat cand nu mai este in contact cu materialul de taiat.

7556SS.1

Cutter cu dubla securitate autoretractabil in husa PVC

• *cutter cu dubla securitate care permite lamei sa se retraga imediat ce presiunea este eliberata de pe lama, chiar daca tragaciul ramane in pozitie apasata*
• *aceasta tehnologie inteligenta este conceputa pentru a reduce accidentele la maini, brate si picioare la locul de munca*
• *schimbarea rapida ai usoara a lamei inseamna mai putin timp de nefunctionare si nu sunt necesare unelte suplimentare*
• *poate fi folosit atat cu mana dreapta cat si cu mana stanga*
• *carcasa turnata din aliaj zinc cu o lunga durata de viata*
• *maner acoperit cu cauciuc anti-alunecare.*
• *butonul pentru schimbarea lamei, situat intre tragaci si varful cutterului, permite schimbarea usoara a lamei fara a fi necesare unelte suplimentare*
• *poate fi folosit atat cu mana dreapta cat si cu mana stanga*
• *accepta toate tipurile de lamel standard pentru cutter utilitar*

LAME DE SCHIMB: *7556.05T, 7556.10T, 7556.10C, 7556.10T BIM, 7556.05H*

APLICATII: *folii pentru paleti, carton, saci de plastic/carton, folie cu bule, banda de plastic, cauciuc, plastice, mentenanta/ reparatii*

• *material: corp turnat din aliaj zinc pentru o durata lunga de utilizare*
• *dimensiuni corp: 162 x 37,5 x 20 mm*
• *dimensiuni lama: 60 x 19 x 0.6 mm*
• *lama doua muchii de taiere care pot fi folosite una dupa alta pentru o durata lunga de utilizare*
• *adancime de taiere 20 mm*



	L	A	I			
900354	167	36	23	61x19x0.6	165	**44.99**

7556SM1

Cutter cu maneta de dubla securitate si lama trapezoidala

• *butonul de blocare ofera depozitare sigura si previne ranirile accidentale*
• *lamele pot fi schimbate rapid si fara unelte.*
• *manerul si tragaciul sunt realizate din nylon intarit cu fibra de sticla*
• *lungimea maxima a lamei extinsa: 22 mm.*
• *sistem de retragere a lamei cand paraseste contactul cu materialul*
• *buton pentru schimbarea lemei*
• *maneta (tragaci) confortabila pentru actionarea lamei*
• *dimensiuni lama: 0.6 x 19 x 60 mm*
• *material lama: SK4*
• *dimensiuni cutter: 165 x 60 mm*
• *greutate: 115 g*

LAME DE SCHIMB: *7556.05T, 7556.10T, 7556.10C, 7556.10T BIM, 7556.05H*



	L	A	I			
902767	165	35	60	60x19x0.6	115	**41.26**

7556SM2

Cutter Heavy Duty de securitate cu maneta si lama trapezoidala SK2H

• *material: aliaj de aluminiu si ABS de inalta calitate*
• *sistem de retragere a lamei cand paraseste contactul cu materialul*
• *gaura pentru agatare*
• *buton pentru schimbarea in siguranta a lamei*
• *maneta confortabila pentru actionarea lamei*
• *buton superior cu 4 pozitii de blocare a lamei: 0 - 4 - 10 - 22 mm*

LAME DE SCHIMB: *7556.05T, 7556.10T, 7556.10C, 7556.10T BIM, 7556.05H*

APLICATII: *folii pentru paleti, carton, saci de plastic/carton, folie cu bule, banda de plastic, cauciuc, panduiti mentenanta/reparatii*

• *dimensiuni lama: 0.6 x 19 x 60 mm*
• *material lama: SK2H*
• *dimensiuni cutter: 170 x 60 mm*
• *greutate: 144.2 g*







	L	A	I			
902768	170	35	60	60x19x0.6	144	**65.15**

7556SSF

Cutter Heavy Duty de securitate si 1+3 lame trapezoidale SK2H

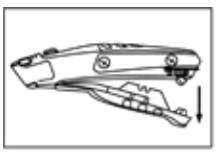
• *material: aliaj de aluminiu si ABS de inalta calitate*
• *sistem de retragere a lamei cand paraseste contactul cu materialul*
• *agatatoare*
• *buton pentru schimbarea lamei*
• *magazie pentru 3 lame schimb*

LAME DE SCHIMB: *7556.05T, 7556.10T, 7556.10C, 7556.10T BIM, 7556.05H*

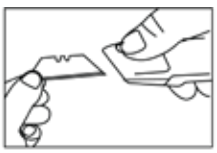
APLICATII: *folii pentru paleti, carton, saci de plastic/carton, folie cu bule, banda de plastic, cauciuc, benzi plastic, panduiti, mentenanta/reparatii*

• *dimensiuni lama: 0.6 x 19 x 60 mm*
• *material lama: SK2H*
• *adancime maxima de taiere: 22 mm*
• *dimensiuni cutter: 170 x 60 x 35 mm*
• *greutate: 120 g*





Magazie pentru 3 lame schimb



Schimbare rapida a lamei

	L	A	I			
902769	170	35	60	60x19x0.6	120	**59.72**

7556C

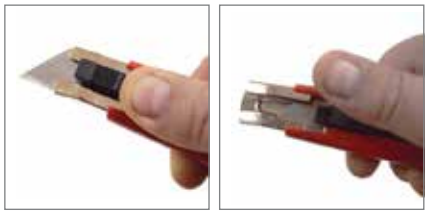
Cutter de securitate cu lama trapezoidala autoretractabila

- *cutter economic pentru o varietate de aplicatii*
- *oferind o tehnologie de siguranta cu arc unic, acest cutter se retrage automat atunci cand se elibereaza tragaciul lateral*
- *glisorul supradimensionat pentru degetul mare permite un control mai bun in timpul taierii*
- *lama din otel SK5 asigura o taiere curata si este extrem de durabila*
- *cand este utilizat corect, acest cutter poate reduce accidentele de munca*
- *manerul stiat ajuta la reducerea alunecarii cutterului*
- *inel de atasare pentru cordon de lucru la inaltime*
- *schimbarea rapida si uaoara a lamei reduce timpul de oprire in timpul taierii.*
- *potrivit pentru utilizatori stangaci si dreptaci*
- *maner ABS*
- *posibilitate de inversare a lamei pentru utilizarea atat cu mana dreapta, cat si cu mana stanga*
- *lama trapezoidala cu gaura*
- *gaura de agatare*
- *arc de retragere al lamei*
- *sina metalica*

LAME DE SCHIMB: *7556.10C*
APLICATII: *folii pentru paleti, carton, saci de plastic/carton, folie cu bule, benzi, filme, banda, banda de plastic, cauciuc, panduiti, mentenanta/reparatii*
- *dimensiuni corp: 145.5 x 36.4 x 25.4 mm*
- *dimensiuni lama: 60 x 19 x 0.6 mm*
- *greutate: 189 g*



KRONUS Professional Quality — SK5



	L	A	I			
900401	145.5	36.4	25.4	61x19x0.6	189	10.79

556C

Cutter retractabil

- *maner bimaterial*
- *lama din otel carbon aliat*
- *sistem de retragere automata a lamei la terminarea lucrului*



UNIOR — SK5

	L	B			
622012	160	19	61 x 19 x 0.6	95	19.10

1945.1

Set de 5 lame pentru 1945



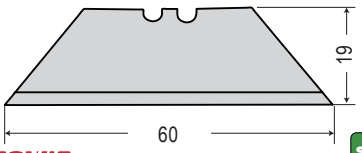
UNIOR — SK5

	L	A	I		
621042	60	19	0,6	65	11.31

7556.05T

Set 5 lame trapezoidale

- *material: otel SK5*
- *dimensiune: 61x19x0,6 mm*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri etc.*



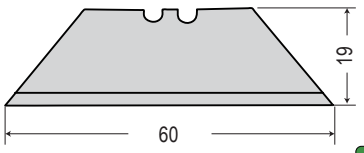
KRONUS Professional Quality — SK5

	L	A	I		
900334	60	19	0,6	65	4.44

7556.10T

Set 10 lame trapezoidale

- *material: otel SK5*
- *dimensiune: 61x19x0,6 mm*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri etc.*



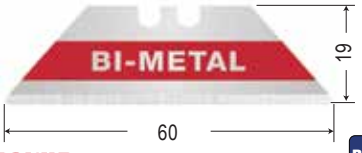
KRONUS Professional Quality — SK5

	L	A	I		
900335	60	19	0,6	50	7.93

7556.1T-BIM

Set 10 lame trapezoidale Bi-Metal

- *material: otel Bi-Metal*
- *dimensiune: 60 x 19 x 0,6 mm*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri etc.*
- *super flexibile - se pot curba pana 45°*



KRONUS Professional Quality — Bi-M

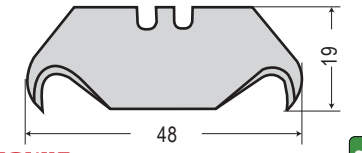
	L	A	I		
902777	60	19	0,6	72	35.29



7556.05H

Set 5 lame tip carlig

- *material: otel C60*
- *dimensiune: 48x19x0,6 mm*
- *aplicatii: materiale de protectie, mochete, PVC, sfoara, pachete, invelitoare, plastic, piele, textile*



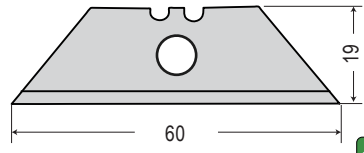
KRONUS Professional Quality — SK5

	L	A	I		
900336	48	19	0,6	65	9.34

7556.10C

Set 10 lame trapezoidale cu gaura

- *material: otel SK5*
- *dimensiune: 61x19x0,6 mm*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri etc.*



KRONUS Professional Quality — SK5

	L	A	I		
900434	60	19	0,6	72	6.30

7556IR

Cutter pliabil cu 3 pozitii si carcasa aluminiu 1+3 lame SK2H

- *dotat cu trei lame premium din otel SK2H si compatibil cu majoritatea lamelor standard pentru utilitare, acest instrument garanteaza atat durabilitate, cat si versatilitate*
- *mecanismul rapid de schimbare a lamelor si taietorul integrat pentru sfoara si folie simplifica sarcinile fara efort*
- *cu un spatiu suplimentar de depozitare a lamelor si o constructie robusta din aliaj de aluminiu, cutterul pliabil 7556IR este un companion esential pentru profesionisti si pasionati de DIY, oferind precizie, eficienta si fiabilitate in diverse proiecte.*
- *3 optiuni de pliere pentru diverse tipuri de taiere*

LAME DE SCHIMB: *7556.05T, 7556.10T, 7556.10C, 7556.10T BIM, 7556.05H*

- *dimensiuni corp: 158 x 40 x 15 mm*
- *dimensiuni lama: 0.6 x 19 x 60 mm*
- *material lama: SK2H*
- *greutate: 111.70 g*

APLICATII: *folii pentru paleti, carton, saci de plastic/carton, folie cu bule, benzi, filme, banda, banda de plastic, cauciuc, plastice, mentenanta / reparatii*



	L	I	A			
902770	168	40	15	61x19x0.6	109	62.44

7556G Cleste multifunctional cu 13 operatii

LIFETIME
WARRANTY

- material: INOX 420
- lungime inchis: 12.8 cm
- greutate: 206 g

YouTube

13 Functii



1. Cleste cu varf lung
2. Cleste de taiat cabluri
3. Cleste de sertizat
4. Surubelnita lata mare
5. Surubelnita lata mica
6. Desfacator de sticle
7. Pila
8. Desfacator de conserve
9. Surubelnita Phillips
10. Perforator
11. Cutit cu lama zimtata
12. Rigla
13. Inel pentru snur



7556G

Cleste multifunctional cu 13 operatii

- *material: inox 420 , maner de aluminiu*
- *lungime inchis: 12,8 mm*

Functii:

- *cleste cu varf lung*
- *cleste taiat cabluri*
- *gaura agatare*
- *surubelnita lata mare*
- *surubelnita lata mica*
- *desfacator de sticle*
- *cleste de sertizat*
- *pila*
- *desfacator de conserve*
- *surubelnita Philip*
- *perforator*
- *cutit cu lama zimtata*
- *rigla*



KRONUS Professional Quality

	L		
900369	165	260	95.55

7556F.1 Cleste multifunctional cu 13 operatii

- material lama: INOX 420
- material maner: aluminiu
- lungime deschis: 16.7 cm
- lungime inchis: 10.5 cm
- greutate: 188 g

YouTube

13 Functii



1. Cutit cu lama zimtata
2. Surubelnita Phillips
3. Perforator piele
4. Desfacator sticle
5. Desfacator conserve
6. Prindere precisa fara alunecare
7. Prindere de forta
8. Falci pentru taiat cabluri
9. Arc de redeschidere
10. Pila pentru lemn si metal
11. Surubelnita lata mare
12. Surubelnita lata mica
13. Cutit cu lama dreapta

LIFETIME
WARRANTY

7556F

Set cleste multitool cu briceag

- *material: inox 420*
- *maner de aluminiu*

Functii:

- *lungime 16.5 cm*
- *surubelnita profil cruciform*
- *surubelnita lata mare*
- *surubelnita lata mica*
- *cutit lama dreapta*
- *pila pentru lemn si metal*
- *lama cutit ascutit*
- *perforator piele*
- *cleste normal*
- *falci taiat cabluri*
- *desfacator conserve*
- *cutit*



	L		
7556F	167.5	188	**100.41**

7556F.1

Cleste multifunctional cu 13 operatii

- *material: inox 420*
- *maner de aluminiu*

Functii:

- *lungime 16.5 cm*
- *surubelnita profil cruciform*
- *surubelnita lata mare*
- *surubelnita lata mica*
- *cutit lama dreapta*
- *pila pentru lemn si metal*
- *lama cutit ascutit*
- *perforator piele*
- *cleste normal*
- *falci taiat cabluri*
- *desfacator conserve*
- *cutit*



	L	
900367	165	**69.69**



900464

Set multitool, briceag si set de manichiura

- *cleste multifunctional cu 9 operatii*
- *briceag pliabil cu lama din inox*
- *set manichiura*





	Nr. piese		
900464	3 piese	515	**153.09**

7556F.1 (165 mm), **7556F.2** (165 mm); **900465**

7556F.1 Display

Expozitor carton cu 24 clesti multifunctionali cu 9 operatii

- *material: inox 420*
- *maner de aluminiu*

Functii:

- *lungime 16.5 cm*
- *surubelnita profil cruciform*
- *surubelnita lata mare*
- *surubelnita lata mica*
- *cutit lama dreapta*
- *pila pentru lemn si metal*
- *lama cutit ascutit*
- *perforator piele*
- *cleste normal*
- *falci taiat cabluri*
- *desfacator conserve*
- *cutit*



	Nr. piese		
900367D	24 piese	7390	**1,672.44**

7556F.1 (165 mm) (x 24 bucati)

7556G Display

Expozitor carton cu 6 clesti multifunctionali cu 13 operatii

- *material: inox 420 , maner de aluminiu*
- *lungime inchis: 12,8 mm*

Functii:

- *cleste cu varf lung*
- *cleste taiat cabluri*
- *gaura agatare*
- *surubelnita lata mare*
- *surubelnita lata mica*
- *desfacator de sticle*
- *pila*
- *desfacator de conserve*
- *surubelnita Philip*
- *perforator*
- *cutit cu lama zimtata*



	Nr. piese		
900493	6 piese	1660	**573.30**

7556G (165 mm) (x 48 bucati)

7556E

Briceag cutit + cutter cu lama trapezoidala pliabil

- *design pliabil*
- *lungime inchis: 10.5 cm*
- *greutate: 150g*
- *cu lama trapezoidala*
- *mecanism de schimbare rapida a lamei*
- *maner din aluminiu si cauciuc*
- *lama cutit inox 3CR13*
- *corp scheletic pentru a fi un instrument usor*

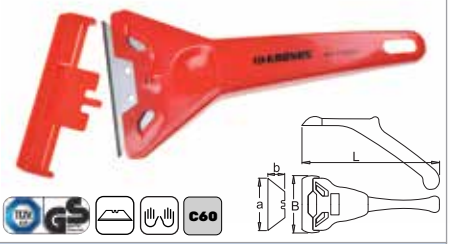


	L		
7556E	105	150	**60.26**

71945A

Razuitor multifunctional

- *acest razuitor este ideal pentru indepartarea eficienta a vopselei in exces sau a etichetelor de pe feronerie, lasandu-le curate si fara reziduuri.*
- *fiecare razuitor include o lama trapezoidala rezistenta, aviand tot ce trebuie pentru a face fata sarcinilor dificile de indepartare a vopselei si etichetelor.*
- *acest razuitor poate fi folosit si pe suprafete din sticla, facandu-l un instrument versatil pentru diverse proiecte acasa sau la locul de munca*
- *construit pentru a rezista utilizarii intense, acest razuitor este realizat pentru a oferi o performanta de lunga durata*
- *material maner: ABS*
- *lama din otel carbon aliat cu protectie a lamei*

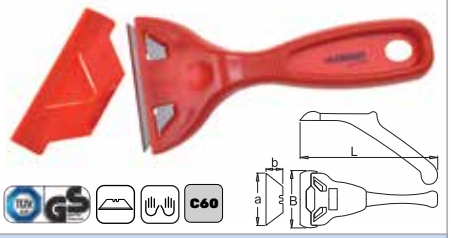


	L	A	I			
900719	144	71	20	60x19x0.6	145	7.18

71945B

Razuitor multifunctional

- *acest razuitor este ideal pentru indepartarea eficienta a vopselei in exces sau a etichetelor de pe feronerie, lasandu-le curate si fara reziduuri.*
- *fiecare razuitor include o lama trapezoidala rezistenta, aviand tot ce trebuie pentru a face fata sarcinilor dificile de indepartare a vopselei si etichetelor.*
- *acest razuitor poate fi folosit si pe suprafete din sticla, facandu-l un instrument versatil pentru diverse proiecte acasa sau la locul de munca*
- *construit pentru a rezista utilizarii intense, acest razuitor este realizat pentru a oferi o performanta de lunga durata*
- *material maner: ABS*
- *lama din otel carbon aliat cu protectie a lamei*

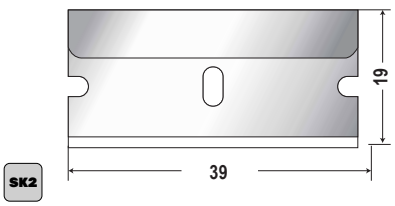


	L	A	I			
900720	148.5	69	23	60x19x0.6	145	8.55

7556.1R SK2

Set 10 lame pentru razuitor universal

- *aceste lame industriale unilaterale cu spate intarit din aluminiu au grosime de 0,25 mm si sunt concepute pentru sarcini grele si aplicatii de mare intensitate.*
- *lamele sunt ascutite pe ambele fete pentru a oferi o taiere de precizie si o durabilitate buna*
- *aceste lame sunt versatile si pot fi utilizate atat in aplicatii profesionale, cat si industriale pe masini si dispozitive de taiere.*
- *utilizare in razuitoare pentru indepartarea murdariei, pastei de glet si vopselei*
- *unghi dublu de ascutire*
- *material: otel SK2*
- *dimensiune: 39 x 19 x 0.25 mm*
- *potrivite pentru razuitoare pentru sticla standard*
- *nu se poate utiliza cu razuitoarele art. 71945*



	L	A	I		
902778	39	19	0,25	63	10.86





71945K1

Set razuitor telescopic 390-620 mm cu razuitor mic

71945L - razuior telescopic:

- *indeparteaza autocolantele, vopseaua, banda adeziva, cauciucul, murdaria uscata de pe suprafetele dure*
- *ideal pentru razuit podele, indepartarea adezivilor, vopselei, tapetului si multe altele pe diverse suprafete, precum lemn, faianta si sticla*
- *design ergonomic cu un maner moale pentru a reduce oboseala mainii, oferind o prindere sigura si confortabila pe durata utilizarii indelungate*
- *corp din aliaj de aluminiu intarit*
- *datorita suprafetei mari active scula curata uniform pe intreaga suprafata*
- *maner telescopic 390 - 620 mm, permittand un acces usor in spatii inguste si oferind o lungime personalizabila pentru orice lucrare de razuit*
- *dimensiuni: 390 x 117,5 x 40 mm*
- *utilizeaza lama segmentate de 18 mm din otel carbon*

71945A - razuior mic:

- *acest razuitor este ideal pentru indepartarea eficienta a vopselei in exces sau a etichetelor de pe feronerie, lasandu-le curate si fara reziduuri.*
- *fiecare razuitor include o lama trapezoidala rezistenta, aviand tot ce trebuie pentru a face fata sarcinilor dificile de indepartare a vopselei si etichetelor.*
- *acest razuitor poate fi folosit si pe suprafete din sticla, facandu-l un instrument versatil pentru diverse proiecte acasa sau la locul de munca*
- *construit pentru a rezista utilizarii intense, acest razuitor este realizat pentru a oferi o performanta de lungs durata*
- *material maner: ABS*
- *lama din otel carbon aliat cu protectie a lamei*



	L	A	I		
902436	390-620	18	0.5	425	61.08

71945S

Razuitor universal din otel cu maner

- *unealta excelenta de razuit pentru lucrul pe sticla, ferestre, ceramica, gresie, metal, bucatarie, aragazuri si alte suprafete dure. Ideala pentru firme de curatenie, restaurante, birouri, ateliere etc.*
- *lame compatibile din otel 39 mm, perfecte pentru indepartarea autocolantelor, reziduurilor de mancare, etansantilor, siliconului, vopselei, adezivilor vechi si multe altele. Compatibile cu toate uneltele standard de razuit de siguranta de 39 mm*
- *maner ergonomic confortabil de utilizat, fara a obosi mana in timpul lucrului*
- *unealta ideala pentru toate sarcinile razuit.*
- *fabricat din otel de inalta calitate, atat razuitoarele, cat si lamele sunt rezistente si durabile, mult mai durabile decat cele din plastic; daca este utilizat corespunzator, mini-razuitorul poate fi folosit si intretinut ani de zile.*
- *dimensiuni compacte - simplu si flexibil, ideal pentru a lucra in zone greu accesibile. Usor de depozitat in trusa de scule, sertare sau dulap*



	L	A	I			
902785	165	39	20	39x19x0.25	108	19.00

71945K2

Set razuitor telescopic 390-620 mm cu set 10 lame

71945L - razuior telescopic:

- *indeparteaza autocolantele, vopseaua, banda adeziva, cauciucul, murdaria uscata de pe suprafetele dure*
- *ideal pentru razuit podele, indepartarea adezivilor, vopselei, tapetului si multe altele pe diverse suprafete, precum lemn, faianta si sticla*
- *design ergonomic cu un maner moale pentru a reduce oboseala mainii, oferind o prindere sigura si confortabila pe durata utilizarii indelungate*
- *corp din aliaj de aluminiu intarit*
- *datorita suprafetei mari active scula curata uniform pe intreaga suprafata*
- *maner telescopic 390 - 620 mm, permittand un acces usor in spatii inguste si oferind o lungime personalizabila pentru orice lucrare de razuit*
- *dimensiuni: 390 x 117,5 x 40 mm*
- *utilizeaza lama segmentate de 18 mm din otel carbon*

7445.1 SK4 Lame cutter

- *set 10 lame cu 8 segmente*
- *se livreaza in cutie din plastic*
- *aplicatii: hartie, carton gros, plastic, furtunuri, burete, foi de nailon, tuburi din plastic, garnituri etc.*



	L	A	I		
902437	390-620	18	0.5	425	62.44


Rugina

Pete ulei


Afise stadale


Burueni


Pereti crapati


Podele

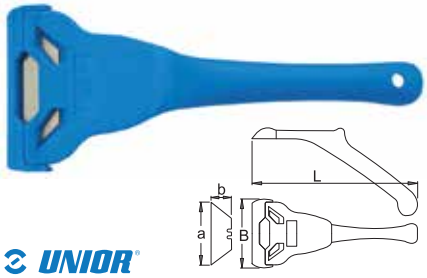

Benzi adezive


Tapet

1945

Razuitor multifunctional cu protectie a lamei

- *material: plastic*
- *lama din otel carbon aliat*
- *cu protectie a lamei*
- *datorita suprafetei mari active scula curata uniform pe intreaga suprafata. Este recomandata pentru inlaturarea chitului siliconic din capul motorului, etansari si curatarea vignete*



	L	B	a x b				
620240	165	70	60.8x18.9	37	1E	1	13.61

7556B.1

Cutit de precizie cu 2 lame SK5 tip #10

• *ideal pentru taierea de precizie a modelelor, lucrarilor de artizanat, lemnului, cartonului, tapetului, foliei si foilor subtiri de plastic, etc.*
• *1 lama de schimb*
• *cu capac protector pentru a acoperi lama, evitand taierea inutila, deoarece lama este foarte ascutita.*
• *cu lama ascutita din otel inoxidabil, pentru a face lucrari de artizanat mult mai usore*
• *manerul usor din aluminiu, cu design antiderapant al corpului cutitului, face operarea mai usoara si mai libera*







KRONUS Professional Quality

DIY SK4

	L		
902765	142	142	11.13

Schimbarea lamei



Desurubati manerul | Fixeaza lama in fanta | Strange manerul si incepe lucru

7556.10C

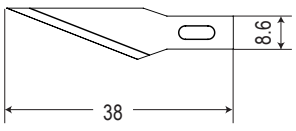
Set 10 lame trapezoidale cu gaura

• *material: SK4*
• *dimensiune: 38 x 8.6 x 0.5 mm*
• *ideal pentru taierea de precizie a modelelor, lucrarilor de artizanat, lemnului, cartonului, tapetului, foliei si foilor subtiri de plastic, etc.*



KRONUS Professional Quality

DIY SK4



	L	A	I		
902766	38	8.6	0,5	63	7.87

7556B/07

Set cutit de precizie cu 6 lame

• *set versatil de cutite pentru sculptura - cu 1 maner de precizie si 6 lame ascutite*
• *fiecare lama are o functie diferita pentru a raspunde nevoilor de taiere din atelier, casa sau sala de clasa*
• *confort si control extrem - cutitele de precizie includ un maner din aluminiu rezistent, cu o prindere confortabila din cauciuc*
• *un magnet in partea de jos a manerului permite accesarea cu usurinta a lamelelor suplimentare de cutit*
• *precizie pentru taieturi complicate - lamele din acest set de cutit pentru sculptura sunt fabricate din otel carbon SK5 ascutit pentru o taiere precisa si fina, ideale pentru creatii artizanale extrem de detaliate, cum ar fi sculpturi din hartie, stampile, sculpturi in lemn sau spuma*
• *siguranta - manerul de precizie prinde fiecare lama strans pe pozitie pentru taieturi sigure si precise*
• *cutie cu locasuri pentru depozitare, organizare si portabilitate in siguranta*



SK4

DIY

KRONUS Professional Quality

	L		
902763	142	209	29.05

7556B/16

Set cutite de precizie cu 10 lame

• *acest set este special conceput pentru aplicatiile care necesita taieturi precise si exacte. Include cele mai populare lame pentru cutite de hobby, acoperind proiecte atat pe materiale usoare, cat si pe materiale grele*
• *lamele de schimb din otel carbon SK4, tratate la temperaturi ridicate, incluse in set, sunt durabile si rezistente la rugina, rezistand perioadelor lungi de utilizare in proiecte dificile pentru a oferi taieturi zilnice fiabile si constante*
• *set de cutite de precizie profesional pentru artisti, arhitecti, designeri graficieni, amatori si modelatori.*
• *manerul cutitului de precizie este realizat din cauciuc moale si plastic ABS pentru o aderenta si stabilitate sporita si o latura plata pentru a preveni rostogolirea de pe birou*
• *set complet de cutite de precizie pentru sarcini usoare, medii si grele*
• *taiere de precizie, razuire, decupare, cioplire, debavurare, perforare, sculptare si altele.*
• *acest cutit poate taia prin multe materiale usoare si grele. Acestea includ toate gradele de hartie, plastic, tesaturi, placaj, placi de spuma, tesaturi delicate, foi subtiri de metal. Poate fi utilizat si pentru piele.*
• *include 13 lame interschimbabile: lame #17, #18 pentru cioplire, lame #2, #11 cu varf fin, lame #10, #22 pentru utilizare universala, lame #5 unghiulare pentru cioplit, lama #13 pentru sablonare, lama #24 pentru debavurare*
• *toate sunt continute intr-o cutie de transport compacta si sigura.*



KRONUS Professional Quality

SK4

DIY

	L		
902764	142	419	56.47



POANSOANE SI SABLOANE

O mai mare rezistenta

Domeniile de aplicare ale poansoanelor sunt foarte diverse. Poansoanele din otel si instrumentele de marcare sunt ideale in special in industria de automobile in productia de masini-unelte si a sculelor. Imprimarea clara a caracterelor, pictogramele importante, precizia ridicata si durata lunga de viata fac distinctia dintre poansoanele din otel de calitate "Made in Germany" si alte produse din piata.

UNIOR

GRAVUREM

642LPB

Set poansoane litere mari

- *material: otel carbon de scule*
- *acoperire: uleiere anticoroziva*
- *set de 27 poansoane cu litere de la A la Z si semnul &*



UNIOR

	Inaltime caracter		
620945	6,0	1240	**298.36**
620946	8,0	1850	**402.79**
620947	10,0	2405	**535.57**

Gravurem-S

Set poansoane litere mari

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 600-800 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *fond caracter dreptunghiular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 27 poansoane cu litere de la A la Z si semnul &*





GRAVUREM

	Inaltime	Dimensiuni		
10101000	1	6 x 6 x 65	500	**225.90**
10101500	1,5	6 x 6 x 65	500	**149.47**
10102000	2	6 x 6 x 65	500	**149.47**
10102500	2,5	6 x 6 x 65	500	**155.59**
10103000	3	6 x 6 x 65	500	**155.59**
10104000	4	7 x 7 x 65	600	**166.07**
10105000	5	8 x 8 x 65	800	**178.88**
10106000	6	9 x 9 x 75	1200	**200.17**
10107000	7	11 x 11 x 76	1850	**276.33**
10108000	8	11 x 11 x 76	1850	**276.33**
10110000	10	12 x 12 x 80	2300	**367.36**
10112000	12	14 x 14 x 80	3100	**433.52**
10115000	15	16 x 16 x 85	4300	**682.04**
10116000	16	16 x 16 x 85	4300	**682.04**

Gravurem-T

Set poansoane litere mari

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1200 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *duritatea cozii: 38-46 HRC*
- *fond caracter circular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 27 poansoane cu litere de la A la Z si semnul &*



GRAVUREM

	Inaltime	Dimensiuni		
13101000	1	7 x 7 x 75	750	**413.64**
13101500	1,5	7 x 7 x 75	750	**303.94**
13102000	2	7 x 7 x 75	750	**303.94**
13102500	2,5	7 x 7 x 75	750	**334.66**
13103000	3	8 x 8 x 75	1000	**334.66**
13104000	4	8 x 8 x 75	1000	**365.11**
13105000	5	9 x 9 x 80	1300	**392.05**
13106000	6	11 x 11 x 76	1900	**431.16**
13108000	8	12 x 12 x 85	2400	**638.13**
13110000	10	14 x 14 x 90	3600	**958.56**

Gravurem Nr. 1 extra-extra

Set poansoane litere mari

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1200 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *fond caracter dreptunghiular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 27 poansoane cu litere de la A la Z si semnul &*



GRAVUREM

	Inaltime	Dimensiuni		
11101000	1	7 x 7 x 75	750	**498.64**
11101500	1,5	7 x 7 x 75	750	**331.75**
11102000	2	7 x 7 x 75	750	**331.75**
11102500	2,5	7 x 7 x 75	750	**348.99**
11103000	3	8 x 8 x 75	1000	**348.99**
11104000	4	9 x 9 x 80	1300	**366.14**
11105000	5	10 x 10 x 80	1600	**391.02**
11106000	6	12 x 12 x 85	2400	**499.96**
11107000	7	14 x 14 x 90	3500	**605.70**
11108000	8	14 x 14 x 90	3500	**655.09**
11110000	10	16 x 16 x 90	4500	**818.33**
11112000	12	18 x 18 x 100	6400	**971.28**
11115000	15	18 x 18 x 100	6400	**1462.94**
11116000	16	18 x 18 x 100	6400	**1462.94**

Gravurem-R

Set poansoane litere mari

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1200 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *duritatea cozii: 38-46 HRC*
- *fond caracter dreptunghiular, corp litera roman*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 27 poansoane cu litere de la A la Z si semnul &*



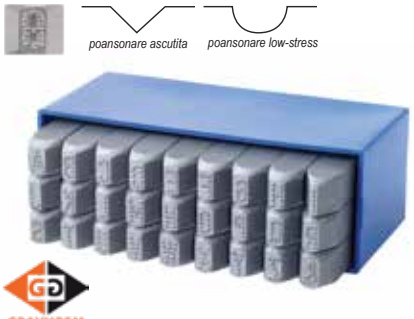
GRAVUREM

	Inaltime	Dimensiuni		
14102000	2	7 x 7 x 75	750	**443.61**
14103000	3	8 x 8 x 75	1000	**465.75**
14104000	4	9 x 9 x 80	1300	**488.09**
14105000	5	10 x 10 x 80	1600	**528.05**
14106000	6	12 x 12 x 85	2400	**668.47**
14108000	8	14 x 14 x 90	3500	**867.23**
14110000	10	16 x 16 x 90	4500	**1091.16**

Gravurem-RP

Set poansoane litere mari

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1200 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *duritatea cozii: 38-46 HRC*
- *fond caracter dreptunghiular, corp litera roman*
- *imprimarea caracterului: puncte*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 27 poansoane cu litere de la A la Z si semnul &*



GRAVUREM

	Inaltime	Dimensiuni		
14402000	2	7 x 7 x 75	750	**443.61**
14403000	3	8 x 8 x 75	1000	**465.75**
14404000	4	9 x 9 x 80	1300	**488.09**
14405000	5	10 x 10 x 80	1600	**528.05**
14406000	6	12 x 12 x 85	2400	**668.47**
14408000	8	14 x 14 x 90	3500	**867.23**
14410000	10	16 x 16 x 90	4500	**1091.16**
14412000	12	18 x 18x 100	6400	**1227.91**

Gravurem-Sonderklasse

Set poansoane litere mari

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1500 N/mm²*
- *fabricate in conformitate cu DIN 7353*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *duritatea cozii: 38-46 HRC*
- *fond caracter dreptunghiular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 27 poansoane cu litere de la A la Z si semnul &*



	Inaltime	Dimensiuni		
12101000	1	7 x 7 x 75	750	**664.71**
12101500	1,5	7 x 7 x 75	750	**443.61**
12102000	2	7 x 7 x 75	750	**443.61**
12102500	2,5	7 x 7 x 75	750	**465.84**
12103000	3	8 x 8 x 75	100	**465.84**
12104000	4	9 x 9 x 80	1300	**487.99**
12105000	5	10 x 10 x 80	1600	**528.05**
12106000	6	12 x 12 x 85	2400	**668.47**
12107000	7	14 x 14 x 90	3500	**817.47**
12108000	8	14 x 14 x 90	3500	**910.68**
12110000	10	16 x 16 x 90	4500	**1091.16**
12112000	12	18 x 18 x 100	6400	**1312.63**
12115000	15	18 x 18 x 100	6400	**1950.00**
12116000	16	18 x 18 x 100	6400	**1950.00**
12118000	18	23 x 15 x 100	7200	**2746.42**
12120000	20	23 x 15 x 100	7200	**3070.98**

750

Dispozitiv poansonare pentru poansoane de pana la 25 mm

- *permite o distanta de siguranta intre capul de stantare si mana utilizatorului*
- *evita ranile prin alunecarea poansonului sau alte defectiuni*
- *constructie metalica puternica si durabila pentru utilizare industriala grea*
- *dispozitiv de schimbare rapida cu blocare cu arc*
- *potrivit pentru toate poansoanele cu sectiune transversala maxima de 25 x 25 mm*
- *de asemenea, pot fi introduse poansoane manuale cu mai multe cifre cu corpuri dreptunghiulare (max. 25 x 15 mm).*
- *greutate: 1,5 Kg*







	Capacitate maxima de prindere	
75000000	20 x 20 mm	**599.10**

Gravurem-S

Set poansoane litere mici

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 600-800 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *fond caracter dreptunghiular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 27 poansoane cu litere de la A la Z si . (punct)*



	Inaltime	Dimensiuni		
10201000	1	6 x 6 x 65	500	**300.55**
10201500	1,5	6 x 6 x 65	500	**198.85**
10202000	2	6 x 6 x 65	500	**198.85**
10202500	2,5	6 x 6 x 65	500	**206.97**
10203000	3	6 x 6 x 65	500	**206.97**
10204000	4	7 x 7 x 65	600	**220.91**
10205000	5	8 x 8 x 65	800	**237.97**
10206000	6	9 x 9 x 75	1200	**266.24**
10207000	7	11 x 11 x 76	1850	**367.55**
10208000	8	11 x 11 x 76	1850	**367.55**
10210000	10	12 x 12 x 80	2300	**488.66**
10212000	12	14 x 14 x 80	3100	**576.59**
10215000	15	16 x 16 x 85	4300	**907.20**
10216000	16	16 x 16 x 85	4300	**907.20**

Gravurem Nr. 1 extra-extra

Set poansoane litere mici

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1200 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *fond caracter dreptunghiular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 27 poansoane cu litere de la A la Z si . (punct)*



	Inaltime	Dimensiuni		
11201000	1	7 x 7 x 75	750	**664.71**
11201500	1,5	7 x 7 x 75	750	**443.24**
11202000	2	7 x 7 x 75	750	**443.24**
11202500	2,5	7 x 7 x 75	750	**464.52**
11203000	3	8 x 8 x 75	1000	**464.52**
11204000	4	9 x 9 x 80	1300	**501.61**
11205000	5	10 x 10 x 80	1600	**551.23**
11206000	6	12 x 12 x 85	2400	**667.15**
11207000	7	14 x 14 x 90	3500	**803.72**
11208000	8	14 x 14 x 90	3500	**869.21**
11210000	10	16 x 16 x 90	4500	**1091.54**
11212000	12	18 x 18 x 100	6400	**1296.05**
11215000	15	18 x 18 x 100	6400	**1948.68**
11216000	16	18 x 18 x 100	6400	**1948.68**

Gravurem-Sonderklasse

Set poansoane litere mici

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1500 N/mm²*
- *fabricate in conformitate cu DIN 7353*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *duritatea cozii: 38-46 HRC*
- *fond caracter dreptunghiular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 27 poansoane cu litere de la A la Z si . (punct)*



	Inaltime	Dimensiuni		
12201000	1	7 x 7 x 75	750	**590.44**
12201500	1,5	7 x 7 x 75	750	**590.44**
12202000	2	7 x 7 x 75	750	**590.44**
12202500	2,5	7 x 7 x 75	750	**620.78**
12203000	3	8 x 8 x 75	1000	**620.78**
12204000	4	9 x 9 x 80	1300	**652.45**
12205000	5	10 x 10 x 80	1600	**701.27**
12206000	6	12 x 12 x 85	2400	**890.13**
12207000	7	14 x 14 x 90	3500	**1078.71**
12208000	8	14 x 14 x 90	3500	**1122.55**
12210000	10	16 x 16 x 90	4500	**1454.84**
12212000	12	18 x 18 x 100	6400	**1728.16**
12215000	15	18 x 18 x 100	6400	**2595.11**
12216000	16	18 x 18 x 100	6400	**2595.11**

642NPB

Set poansoane cifre

- *material: otel carbon de scule*
- *acoperire: uleiere anticoroziva*
- *set de 9 poansoane cu cifre de la 0 la 9*



	Inaltime caracter		
620941	6,0	420	**99.67**
620942	8,0	643	**137.38**
620943	10,0	800	**182.79**

Gravurem-S

Set poansoane cifre

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 600-800 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *fond caracter dreptunghiular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 9 poansoane cu cifre de la 0 la 9*



	Inaltime	Dimensiuni		
10001000	1	6 x 6 x 65	150	**75.30**
10001500	1,5	6 x 6 x 65	150	**49.95**
10002000	2	6 x 6 x 65	150	**49.95**
10002500	2,5	6 x 6 x 65	150	**52.03**
10003000	3	6 x 6 x 65	150	**52.03**
10004000	4	7 x 7 x 65	200	**55.42**
10005000	5	8 x 8 x 65	300	**62.29**
10006000	6	9 x 9 x 75	400	**66.83**
10007000	7	11 x 11 x 76	600	**92.17**
10008000	8	11 x 11 x 76	600	**92.17**
10010000	10	12 x 12 x 80	800	**122.70**
10012000	12	14 x 14 x 80	1100	**144.76**
10015000	15	16 x 16 x 85	1500	**255.69**
10016000	16	16 x 16 x 85	1500	**255.69**

Gravurem-T

Set poansoane cifre

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1200 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *duritatea cozii: 38-46 HRC*
- *fond caracter circular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 9 poansoane cu cifre de la 0 la 9*



	Inaltime	Dimensiuni		
13001000	1	7 x 7 x 75	250	**138.06**
13001500	1,5	7 x 7 x 75	250	**101.40**
13002000	2	7 x 7 x 75	250	**101.40**
13002500	2,5	7 x 7 x 75	250	**111.40**
13003000	3	8 x 8 x 75	300	**111.40**
13004000	4	8 x 8 x 75	300	**122.05**
13005000	5	9 x 9 x 80	450	**130.53**
13006000	6	11 x 11 x 76	600	**144.01**
13008000	8	12 x 12 x 85	800	**213.09**
13010000	10	14 x 14 x 90	1200	**319.95**

Gravurem-R

Set poansoane cifre

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1200 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *duritatea cozii: 38-46 HRC*
- *fond caracter dreptunghiular, corp litera roman*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 9 poansoane cu cifre de la 0 la 9*

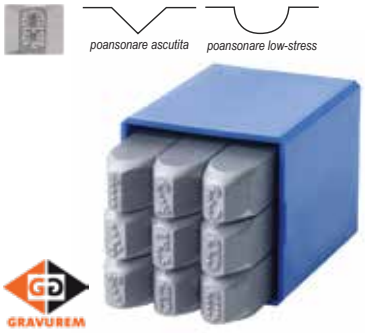


	Inaltime	Dimensiuni		
14002000	2	7 x 7 x 75	250	**148.24**
14003000	3	8 x 8 x 75	300	**155.13**
14004000	4	9 x 9 x 80	300	**180.12**
14005000	5	10 x 10 x 80	450	**175.77**
14006000	6	12 x 12 x 85	600	**222.89**
14008000	8	14 x 14 x 90	800	**286.41**
14010000	10	16 x 16 x 90	1200	**364.07**

Gravurem-RP

Set poansoane cifre

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1200 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *duritatea cozii: 38-46 HRC*
- *fond caracter dreptunghiular, corp litera roman*
- *imprimarea caracterului: puncte*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 9 poansoane cu cifre de la 0 la 9*



	Inaltime	Dimensiuni		
14302000	2	7 x 7 x 75	250	**148.24**
14303000	3	8 x 8 x 75	300	**155.13**
14304000	4	9 x 9 x 80	300	**183.35**
14305000	5	10 x 10 x 80	450	**175.77**
14306000	6	12 x 12 x 85	600	**222.89**
14308000	8	14 x 14 x 90	800	**286.41**
14310000	10	16 x 16 x 90	1200	**364.07**

Gravurem Nr. 1 extra-extra

Set poansoane cifre

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1200 N/mm²*
- *tipul caractererului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *fond caracter dreptunghiular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 9 poansoane cu cifre de la 0 la 9*



	Inaltime	Dimensiuni		
11001000	1	7 x 7 x 75	250	**166.91**
11001500	1,5	7 x 7 x 75	250	**110.65**
11002000	2	7 x 7 x 75	250	**110.65**
11002500	2,5	7 x 7 x 75	250	**116.59**
11003000	3	8 x 8 x 75	300	**116.59**
11004000	4	9 x 9 x 80	450	**122.14**
11005000	5	10 x 10 x 80	550	**131.95**
11006000	6	12 x 12 x 85	800	**166.72**
11007000	7	14 x 14 x 90	1200	**202.06**
11008000	8	14 x 14 x 90	1200	**218.55**
11010000	10	16 x 16 x 90	1500	**272.83**
11012000	12	18 x 18 x 100	2200	**323.92**
11015000	15	18 x 18 x 100	2200	**487.71**
11016000	16	18 x 18 x 100	2200	**487.71**

Gravurem-Sonderklasse

Set poansoane cifre

- *material conform normei DIN CK 45*
- *potrivit pentru marcarea materialului cu o rezistenta la rupere de 1500 N/mm²*
- *fabricate in conformitate cu DIN 7353*
- *tipul caracterului conform DIN 1451*
- *duritatea capului: 58-61 HRC*
- *duritatea cozii: 38-46 HRC*
- *fond caracter dreptunghiular, corp litera normal*
- *imprimarea caracterului: continua*
- *fiecare poanson este marcat cu: caracter, marimea caracterului, "Made in Germany" si simbolul international pentru protectia ochilor*
- *set de 9 poansoane cu cifre de la 0 la 9*



	Inaltime	Dimensiuni		
12001000	1	7 x 7 x 75	250	**221.75**
12001500	1,5	7 x 7 x 75	250	**148.24**
12002000	2	7 x 7 x 75	250	**148.24**
12002500	2,5	7 x 7 x 75	250	**155.13**
12003000	3	8 x 8 x 75	300	**155.13**
12004000	4	9 x 9 x 80	450	**162.95**

	Inaltime	Dimensiuni		
12005000	5	10 x 10 x 80	550	175.77
12006000	6	12 x 12 x 85	800	222.79
12007000	7	14 x 14 x 90	1200	270.02
12008000	8	14 x 14 x 90	1200	300.74
12010000	10	16 x 16 x 90	1500	364.07
12012000	12	18 x 18 x 100	2200	437.58
12015000	15	18 x 18 x 100	2200	689.02
12016000	16	18 x 18 x 100	2200	689.02
12018000	18	23 x 15 x 100	3100	915.40
12020000	20	23 x 15 x 100	3100	1023.59

164 NOU

Trusa pastile cifre si litere Standard

- *suport de mana*
- *45 poansoane 0-9 (4 bucati fiecare) si 5 poansoane tip orb*
- *cheie hexagonala*
- *versiune placata cu nichel (protejat impotriva ruginii)*
- *cutie de depozitare din plastic*



	Inaltime caracter	Ambalare	
16403000	3 mm	3 x 6 x 20 mm	2115.88
16404000	4 mm	3 x 6 x 20 mm	2115.88
16405000	5 mm	4 x 8 x 25 mm	2115.88
16406000	6 mm	4 x 8 x 25 mm	2115.88

7000Z

Set sabloane cifre 0-9 (10 piese)

- *fabricate din tabla de zinc cu grosimea de 0,3mm*
- *rezistent si flexibil*
- *robuste si reutilizabile*
- *tip de caractere conform DIN 1451*
- *set de numere 0-9 (10 piese)*



	Inaltime caracter	Ambalare	
7000100Z	10	1	53.89
7000150Z	15	1	53.89
7000200Z	20	1	53.89
7000250Z	25	1	53.89
7000300Z	30	1	62.38
7000400Z	40	1	70.77
7000500Z	50	1	80.88
7000600Z	60	1	92.71
7000700Z	70	1	112.94
7000800Z	80	1	138.21
7000900Z	90	1	197.16
7001000Z	100	1	197.16
7001200Z	120	1	357.21
7001500Z	150	1	433.04
7001800Z	180	1	674.07
7002000Z	200	1	674.07
7002500Z	250	1	1179.60
7003000Z	300	1	1499.71
7004000Z	400	1	2345.66
7005000Z	500	1	3606.15

7000B

Set sabloane litere A-Z

- *fabricate din tabla de zinc cu grosimea de 0,3mm*
- *rezistent si flexibil*
- *robuste si reutilizabile*
- *tip de caractere conform DIN 1451*
- *litere mari de pana la 150 mm dimensiunea caracterului: A-Z, „&" (27 piese)*
- *litere mari de la dimensiunea caracterului de 180 mm fara „&" (26 piese)*



	Inaltime caracter	Ambalare	
7000100B	10	1	129.72
7000150B	15	1	129.72
7000200B	20	1	129.72
7000250B	25	1	129.72
7000300B	30	1	151.66
7000400B	40	1	173.60
7000500B	50	1	197.16
7000600B	60	1	232.54
7000700B	70	1	279.76
7000800B	80	1	342.04
7000900B	90	1	487.03
7001000B	100	1	487.03
7001200B	120	1	881.34
7001500B	150	1	1061.61
7001800B	180	1	1824.96
7002000B	200	1	1824.96
7002500B	250	1	3491.49
7003000B	300	1	4044.24
7004000B	400	1	6319.12
7005000B	500	1	9723.06

165 Euro Type

Trusa pastile cifre si litere Euro Type

Continut:

A	A	A	B	B	C	C	D	D	E	E	E	E	F	F	G	G	H	H	I
I	I	J	J	K	K	L	L	L	M	M	N	N	N	O	O	O	P	P	Q
R	R	R	S	S	S	T	T	U	U	U	V	V	W	W	X	X	Y	Z	/
/	-	-	.	.	,	,	1	1	1	1	2	2	2	2	3	3	3	4	4
4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	0	0	0

- *in plus setul contine 6 poansoane oarbe*

- *suport tip maner*
- *100 pastile din otel cu numere, cifre, semne de punctuatie si 6 pastile oarbe*
- *cheie locas hexagonal si penseta*
- *varianta placata cu nichel (protejata impotriva coroziunii)*
- *cutie din plastic pentru depozitare si transport*



	Inaltime caracter	Dimensiuni pastile	Capacitate marcator	
16501000	1,0	1,5 x 4,0 x 19,0 mm	19 pastile	2716.89
16501500	1,5	1,5 x 4,0 x 19,0mm	19 pastile	2716.89
16502000	2,0	2,0 x 4,0 x 19,0 mm	14 pastile	2716.89
16502500	2,5	2,5 x 6,0 x 19,0 mm	15 pastile	2716.89
16503000	3,0	3,0 x 6,0 x 19,0 mm	13 pastile	2716.89
16504000	4,0	4,0 x 8,0 x 19,0 mm	10 pastile	2661.24
16505000	5,0	5,0 x 8,0 x 19,0 mm	8 pastile	2661.24



Gravurem

MASUS

POANSOANE



Denumire româna/germana		Poanson standard GRAVUREM-S		Poanson T GRAVUREM-T		Poanson Nr.1 extra-extra GRAVUREM Nr.1 extra-extra		Poanson R GRAVUREM-R		Poanson RP GRAVUREM-RP		Poanson Special GRAVUREM Sonderklasse	
Material conform nor - mei DIN		CK 45		CK 45		CK 45		CK 45		CK 45		CK 45	
Duritatea capului		58-60HRC		58-60 HRC		58-60 HRC		58-60 HRC		58-60 HRC		58-60 HRC	
Duritatea cozii				38-46 HRC				38-46 HRC		38-46 HRC		38-46 HRC	
Fond litera		Dreptunghiular		Circular		Dreptunghiular		Dreptunghiular		Dreptunghiular		Dreptunghiular	
Corp litera		Normal		Normal		Normal		Roman		Roman		Normal	
Imprimarea caracterului		Continua		Continua		Continua		Continua		Puncte		Continua	
Rezistența la rupere a materialului poansonat		600÷800 N/mm2		1200 N/mm2		1200 N/mm2		1200 N/mm2		1200 N/mm2		1500 N/mm2	
Model	Tipodimensiune	COD/Gabarit	Preț/Lei	COD/Gabarit	Preț/Lei	COD/Gabarit	Preț/Lei	COD/Gabarit	Preț/Lei	COD/Gabarit	Preț/Lei	COD/Gabarit	Preț/Lei
Litere mari A-Z şi &	dim 1	101 01000/6×6×65	225.90	131 01000/7×7×75	413.64	111 01000/7×7×75	498.64					121 01000/7×7×75	664.71
	dim 1.5	101 01500/6×6×65	149.47	131 01500/7×7×75	303.94	111 01500/7×7×75	331.75					121 01500/7×7×75	443.61
	dim 2	101 02000/6×6×65	149.47	131 02000/7×7×75	303.94	111 02000/7×7×75	331.75	141 02000/7×7×75	443.61	144 02000/7×7×75	443.61	121 02000/7×7×75	443.61
	dim 2.5	101 02500/6×6×65	155.59	131 02500/7×7×75	334.66	111 02500/7×7×75	348.99					121 02500/×7×7×75	465.84
	dim 3	101 03000/6×6×65	155.59	131 03000/7×7×75	334.66	111 03000/8×8×75	348.99	141 03000/8×8×75	465.75	144 03000/8×8×75	465.75	121 03000/8×8×75	465.84
	dim 4	101 04000/7×7×65	166.07	131 04000/8×8×78	365.11	111 04000/9×9×80	366.14	141 04000/9×9×78	488.09	144 04000/9×9×78	488.09	121 04000/9×9×80	487.99
	dim 5	101 05000/8×8×65	178.88	131 05000/9×9×80	392.05	111 05000/10×10×80	391.02	141 05000/10×10×78	528.05	144 05000/10×10×78	528.05	121 05000/10×10×80	528.05
	dim 6	101 06000/9×9×75	200.17	131 06000/11×11×80	431.16	111 06000/12×12×85	499.96	141 06000/12×12×84	668.47	144 06000/12×12×84	668.47	121 06000/12×12×85	668.47
	dim 7	101 07000/11×11×76	276.33			111 07000/14×14×90	605.70					121 07000/14×14×90	817.47
	dim 8	101 08000/11×11×76	276.33	131 08000/12×12×85	638.13	111 08000/14×14×90	655.09	141 08000/16×16×90	867.23	144 08000/16×16×90	867.23	121 08000/14×14×90	910.68
	dim 10	101 10000/12×12×80	367.36	131 10000/14×14×90	958.56	111 10000/16×16×90	818.33	141 10000/16×16×90	1091.16	144 10000/16×16×90	1091.16	121 10000/16×16×90	1091.16
	dim 12	101 12000/14×14×80	433.52			111 12000/18×18×100	971.28			144 12000/16×16×90	1227.91	121 12000/18×18×100	1312.63
	dim 15	101 15000/16×16×85	682.04			111 15000/18×18×100	1462.94					121 15000/18×18×100	1950.00
	dim 16	101 16000/16×16×85	682.04			111 16000/18×18×100	1462.94					121 16000/18×18×100	1950.00
	dim 18											121 18000/23×15×100	2746.42
	dim 20											121 20000/23×15×100	3070.98
Litere mici a-z şi &	dim 1	102 01000/6×6×65	300.55			112 01000/7×7×75	664.71					122 01000/7×7×75	590.44
	dim 1.5	102 01500/6×6×65	198.85			112 01500/7×7×75	443.24					122 01500/7×7×75	590.44
	dim 2	102 02000/6×6×65	198.85			112 02000/7×7×75	443.24					122 02000/7×7×75	590.44
	dim 2.5	102 02500/6×6×65	206.97			112 02500/7×7×75	464.52					122 02500/7×7×75	620.78
	dim 3	102 03000/6×6×65	206.97			112 03000/8×8×75	464.52					122 03000/8×8×75	620.78
	dim 4	102 04000/7×7×75	220.91			112 04000/9×9×80	501.61					122 04000/9×9×80	652.45
	dim 5	102 05000/8×8×65	237.97			112 05000/10×10×80	551.23					122 05000/10×10×80	701.27
	dim 6	102 06000/9×9×75	266.24			112 06000/12×12×85	667.15					122 06000/12×12×85	890.13
	dim 7	102 07000/11×11×76	367.55			112 07000/14×14×90	803.72					122 07000/14×14×90	1078.71
	dim 8	102 08000/11×11×76	367.55			112 08000/14×14×90	869.21					122 08000/14×14×90	1122.55
	dim 10	102 10000/12×12×80	488.66			112 10000/16×16×90	1091.54					122 10000/16×16×90	1454.84
	dim 12	102 12000/14×14×80	576.59			112 12000/18×18×100	1296.05					122 12000/18×18×100	1728.16
	dim 15	102 15000/16×16×85	907.20			112 15000/18×18×100	1948.68					122 15000/18×18×100	2595.11
	dim 16	102 16000/16×16×85	907.20			112 16000/18×18×100	1948.68					122 16000/18×18×100	2595.11
Cifre 0-9	dim 1	100 01000/6×6×65	75.30	130 010007×7×75	138.06	110 01000/7×7×75	166.91					120 01000/7×7×75	221.75
	dim 1.5	100 01500/6×6×65	49.95	130 01500/7×7×75	101.40	110 01500/7×7×75	110.65					120 01500/7×7×75	148.24
	dim 2	100 02000/6×6×65	49.95	130 02000/7×7×75	101.40	110 02000/7×7×75	110.65	140 02000/7×7×75	148.24	143 02000/7×7×75	148.24	120 02000/7×7×75	148.24
	dim 2.5	100 02500/6×6×65	52.03	130 02500/7×7×75	111.40	110 02500/7×7×75	116.59					120 02500/7×7×75	155.13
	dim 3	100 03000/6×6×65	52.03	130 03000/7×7×75	111.40	110 03000/8×8×75	116.59	140 03000/8×8×75	155.13	143 03000/8×8×75	155.13	120 03000/8×8×75	155.13
	dim 4	100 04000/7×7×65	55.42	130 04000/8×8×78	122.05	110 04000/9×9×80	122.14	140 04000/9×9×78	180.12	143 04000/9×9×78	183.35	120 04000/9×9×80	162.95
	dim 5	100 05000/8×8×65	62.29	130 05000/9×9×80	130.53	110 05000/10×10×80	131.95	140 05000/10×10×78	175.77	143 05000/10×10×78	175.77	120 05000/10×10×80	175.77
	dim 6	100 06000/9×9×75	66.83	130 06000/11×11×80	144.01	110 06000/12×12×85	166.72	140 06000/12×12×84	222.89	143 06000/12×12×84	222.89	120 06000/12×12×85	222.79
	dim 7	100 07000/11×11/76	92.17			110 07000/14×14×90	202.06					120 07000/14×14×90	270.02
	dim 8	100 08000/11×11×76	92.17	130 08000/12×12×85	213.09	110 08000/14×14×90	218.55	140 08000/16×16×90	286.41	143 08000/16×16×90	286.41	120 08000/14×14×90	300.74
	dim 10	100 10000/12×12×80	122.70	130 10000/14×14×90	319.95	110 10000/16×16×90	272.83	140 10000/16×16×90	364.07	143 10000/16×16×90	364.07	120 10000/18×18×100	364.07
	dim 12	100 12000/14×14×80	144.76			110 12000/18×18×100	323.92					120 12000/18×18×100	437.58
	dim 15	100 15000/16×16×85	255.69			110 15000/18×18×100	487.71					120 15000/18×18×100	689.02
	dim 16	100 16000/16×16×85	255.69			110 16000/18×18×100	487.71					120 16000/18×18×100	689.02
	dim 18											120 18000/23×15×100	915.40
	dim 20											120 20000/23×15×100	1023.59
Marcaje pe poanson	Caracter litera/ cifra	×		×		×		×		×		×	
	Înalțime caracter	×		×		×		×		×		×	
	Cap de batere tratat			×				×		×		×	
	Made in Germany	×				×							
	Simbol protecție ochi	×		×		×		×		×		×	

!!! POANSOANELE POT FI ACHIZIŢIONATE ŞI INDIVIDUAL AVÂND URMATORUL PREŢ: • LITERA: PREŢ SET : 22.26 = PREŢ / BUC; • NUMAR: PREŢ SET : 7.42= PREŢ / BUC













PILE SI RASPILE

DANTURI

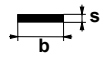
Pilele se executa cu doua feluri de dantura:
- pile avand dantura cu taietura simpla
- pile avand dantura cu taietura dubla

FINETEA DANTURII

Este definita prin numarul de dinti pe centimetrul masurat in directia axei pilei
Se deosebesc urmatoarele tipuri de danturi: dantura aspra, dantura bastarda, dantura semifina, dantura fina.

Pile de atelier DIN 7261

Valorile *b* si *s* pentru sectiunile transversale din aceasta norma se aplica pentru pilele finite pe partea nesubtiata si sunt masurate peste danturi.
Valorile *l* sunt lungimile pilei, fara coada pilei.

Denumire \ Lungime *l*		100 ± 4	150 ± 4	200 ± 6	250 ± 6	300 ± 6	350 ± 8
Forma A  *Pila lata de atelier*	**b x s**	12 x 2,5	16 x 4	20 x 5	25 x 6	30 x 6,5	35 x 7,5
	Dantura	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
Forma B  *Pila lata de atelier, varf ascutit*	**b x s**	12 x 2,5	16 x 4	20 x 5	25 x 6	30 x 6,5	35 x 7,5
	Dantura	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
Forma C  *Pila triunghiulara de atelier*	**b**	8	11	15	17,5	20	24
	Dantura	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
Forma D  *Pila patrata de atelier*	**b**	4	6	8	10	12	15
	Dantura	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
Forma E  *Pila semirotunda de atelier*	**b x s**	10,5 x 3	16 x 4,5	20 x 6	25 x 7	30 x 8,5	35 x 10
	Dantura	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
Forma F  *Pila rotunda de atelier*	**s**	4	6	7,5	9,5	12	15
	Dantura	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3
Forma G  *Pila cutit de atelier*	**b x s**	10 x 3,4	16 x 5,2	20 x 6,4	25 x 7,9	-	-
	Dantura	2	1, 2, 3	1, 2, 3	1, 2, 3	-	-
Forma H  *Pila lata, varf tesit de atelier*	**b x s**	-	-	-	25 x 6	30 x 6,5	35 x 7,5
	Dantura	-	-	-	3	3	3

Abaterea limita de la valoarea nominala pentru b: ± 1 mm
Abaterea limita de la valoarea nominala pentru s:
± 0,5 mm pentru pilele cu lungimi ≤ 250 mm
± 1,0 mm pentru pilele cu lungimi > 250 mm
Unghiul danturii 65° ± 5° (pe latura ingusta 90° ± 10°)

DIN 7261 Forma G



DIN 7261 Forma F



DIN 7276 Forma E



DIN 7261 Forma C



DIN 7261 Forma E



DIN 7261 Forma D





Pile pentru prelucrarea metalelor 334
Pile pentru ascutit panze circulare 337
Panze pentru ascutit lant drujba 337
Pile diamantate 338
Pile pentru mecanica fina 339
Masaturi 340
Manere pila 340
Raspile si pile SILEX 340
Pile pentru copite 341
Razuitoare 340

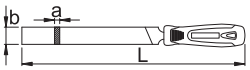


760HB

Pila dreptunghiulara bastard cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma A

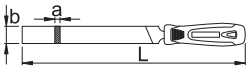
	LU	LT	a x b		
619292	150	270	4 x 16	104	**37.38**
612992	200	325	5 x 20	245	**43.28**
612993	250	375	6.5 x 25	355	**50.49**
612994	300	425	6.5 x 30	500	**70.33**

760H1/2S

Pila dreptunghiulara semifina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma A

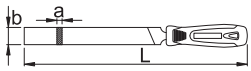
	LU	LT	a x b		
619295	100	220	2.5 x 12	95	**35.74**
619296	150	270	4 x 16	104	**38.20**
612995	200	325	5 x 20	245	**47.54**
612996	250	375	6.5 x 25	355	**57.54**
612997	300	425	6.5 x 30	545	**72.62**

760HS

Pila dreptunghiulara fina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma A

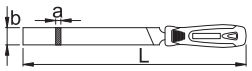
	LU	LT	a x b		
619299	100	220	2.5 x 12	95	**37.38**
619300	150	270	4 x 16	104	**39.02**
612998	200	325	5 x 20	245	**47.54**
612999	250	375	6.5 x 25	355	**57.54**
613001	300	425	6.5 x 30	545	**72.62**

P/001

Pila dreptunghiulara fara maner

- *pila rectangulara cu dantura incrucisata pe ambele parti*
- *cu un cant activ*
- *1 - bastard; 2 - semifina; 3 - fina*
- *duritate: 60-66 HRc*





TOMÉ FEITEIRA — DIN 7261 — Forma A

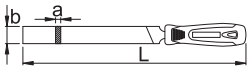
	L	Taiere	a x b		
P001350BA	350	1	33.5 x 7.5	640	**88.47**
P001350SF	350	2	33.5 x 7.5	640	**92.99**
P001350FI	350	3	33.5 x 7.5	640	**100.33**
P001400BA	400	1	37.5 x 8.5	975	**141.50**
P001400SF	400	2	37.5 x 8.5	975	**146.58**
P001400FI	400	3	37.5 x 8.5	975	**151.42**

761HB

Pila semirotunda bastard cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma E

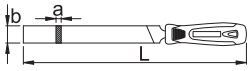
	LU	LT	a x b		
619303	100	220	3 x 11.5	106	**38.20**
619304	150	270	4.5 x 16	140	**45.08**
613002	200	325	5.5 x 20	203	**51.64**
613003	250	375	7 x 25	324	**60.33**
613004	300	425	8.5 x 30	490	**81.64**

761H1/2S

Pila semirotunda semifina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma E

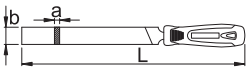
	LU	LT	a x b		
619307	100	220	3 x 11.5	106	**35.90**
619308	150	270	4.5 x 16	140	**42.95**
613005	200	325	5.5 x 20	203	**57.70**
613006	250	375	7 x 25	324	**67.54**
613007	300	425	8.5 x 30	490	**96.72**

761HS

Pila semirotunda fina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma E

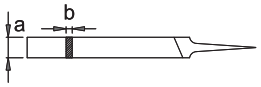
	LU	LT	a x b		
619311	100	220	3 x 11.5	106	**39.51**
619312	150	270	4.5 x 16	140	**47.38**
613008	200	325	5.5 x 20	203	**57.70**
613009	250	375	7 x 25	324	**67.54**

MC/050

Pila semirotunda fara maner

- *pila semirotunda cu dantura incrucisata pe ambele parti*
- *conica*
- *1 - bastard; 2 - semifina; 3 - fina*





TOMÉ FEITEIRA — DIN 7261 — Forma E

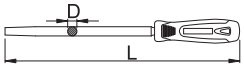
	L	Taiere	a x b		
MC050350BA	350	1	34 x 9.5	600	**114.21**
MC050350SF	350	2	34 x 9.5	600	**128.50**
MC050350FI	350	3	34 x 9.5	600	**134.64**
MC050400BA	400	1	39 x 11	925	**216.00**
MC050400SF	400	2	39 x 11	925	**224.88**
MC050400FI	400	3	39 x 11	925	**249.66**

763HB

Pila rotunda bastard cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma F

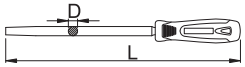
	LU	LT	D		
619316	150	270	Ø6	105	**34.59**
613011	200	325	Ø7.5	157	**39.34**
613012	250	375	Ø8.5	209	**48.36**
613013	300	425	Ø12	317	**68.69**

763H1/2S

Pila rotunda semifina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma F

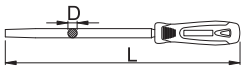
	LU	LT	D		
619319	100	220	Ø4	80	**34.59**
619320	150	270	Ø6	105	**35.57**
613014	200	325	Ø7.5	157	**44.59**
613015	250	375	Ø8.5	209	**55.57**
613016	300	425	Ø12	317	**75.25**

763HS

Pila rotunda fina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma F

	LU	LT	D		
619323	100	220	Ø4	80	**35.57**
619324	150	270	Ø6	105	**36.23**
613017	200	325	Ø7.5	157	**44.59**
613018	250	375	Ø8.5	209	**55.57**

R/060

Pila rotunda fara maner

- *pila rotunda cu dantura incrucisata in spirala*
- *1 - bastard; 2 - semifina; 3 - fina*
- *duritate: 60-66 HRc*





TOMÉ FEITEIRA — DIN 7261 — Forma F

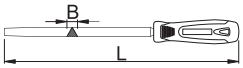
	L	Taiere	D		
R060350BA	350	1	Ø14.5	800	**86.69**
R060350SF	350	2	Ø14.5	800	**93.63**
R060350FI	350	3	Ø14.5	800	**101.38**
R060400BA	400	1	Ø17.5	1430	**174.03**
R060400SF	400	2	Ø17.5	1430	**174.03**

764HB

Pila triunghiulara bastard cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma C

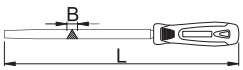
	LU	LT	B		
619328	150	270	10.5	133	**38.03**
613020	200	325	14.5	200	**37.38**
613021	250	375	17	332	**48.52**
613022	300	425	19.5	480	**70.00**

764H1/2S

Pila triunghiulara semifina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma C

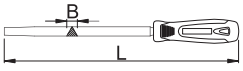
	LU	LT	B		
619331	100	220	7.5	94	**38.03**
619332	150	270	10.5	133	**39.51**
613023	200	325	14.5	200	**41.15**
613024	250	375	17	332	**53.28**
613025	300	425	19.5	480	**77.05**

764HS

Pila triunghiulara fina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma C

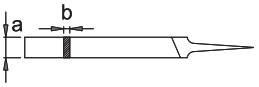
	LU	LT	B		
619335	100	220	7.5	94	**38.85**
619336	150	270	10.5	133	**39.67**
613026	200	325	14.5	200	**41.15**
613027	250	375	17	332	**53.28**

TQS/040

Pila triunghiulara fara maner

- *pila triunghiulara cu dantura incrucisata*
- *1 - bastard; 2 - semifina; 3 - fina*
- *duritate: 60-66 HRc*





TOMÉ FEITEIRA — DIN 7261 — Forma C

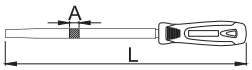
	L	Taiere	b		
TQS040350BA	350	1	23	1200	**107.43**
TQS040350SF	350	2	23	1200	**121.80**
TQS040350FI	350	3	23	1200	**130.92**

765HB

Pila patrata bastard cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma D

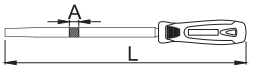
	LU	LT	A		
619340	150	270	5.5	133	**36.56**
613029	200	325	8	200	**38.03**
613030	250	375	10	332	**51.31**
613031	300	425	12	480	**66.56**

765H1/2S

Pila patrata semifina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma D

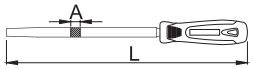
	LU	LT	A		
619343	100	220	4	100	**33.77**
619344	150	270	5.5	106	**35.57**
613032	200	325	8	158	**41.31**
613033	250	375	10	252	**51.64**

765HS

Pila patrata fina cu maner bimaterial

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*





UNIOR — DIN 7261 — Forma D

	LU	LT	A		
619348	150	270	5.5	106	35.57
613035	200	325	8	158	41.31
613036	250	375	10	252	51.64

Q/045

Pila patrata fara maner

- *pila rotunda cu dantura incrucisata in spirala*
- *1 - bastard; 2 - semifina; 3 - fina*
- *duritate: 60-66 HRc*





TOME FETEIRA — DIN 7261 — Forma F

	L	Taiere	b		
Q045350BA	350	1	14.5	960	97.51
Q045350SF	350	2	14.5	960	101.22
Q045350FI	350	3	14.5	960	107.11
Q045400BA	400	1	17.5	1700 NOU	177.02
Q045400SF	400	2	17.5	1700 NOU	189.29
Q045400FI	400	3	17.5	1700 NOU	201.63

762/5B

Set de pile bastard 250 mm

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*



UNIOR

612930	5 piese	1430	263.11

760HB (250), 763HB (250), 761HB (250), 765HB (250), 764HB (250)

762/5B

Set de pile bastard 150 mm

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*



UNIOR

619467	5 piese	500	196.72

760HB (150), 763HB (150), 761HB (150), 765HB (150), 764HB (150)

762/5B

Set de pile bastard 200 mm

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*



UNIOR

612929	5 piese	1020	209.84

760HB (200), 763HB (200), 761HB (200), 765HB (200), 764HB (200)

762/5 1/2S

Set de pile semifine 150 mm

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*



UNIOR

619468	5 piese	500	197.05

760H1/2S (150), 763H1/2S (150), 761H1/2S (150), 765H1/2S (150), 764H1/2S (150)

762/5 1/2S

Set de pile semifine 200 mm

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*



UNIOR

612931	5 piese	1020	232.30

760H1/2S (200), 763H1/2S (200), 761H1/2S (200), 765H1/2S (200), 764H1/2S (200)

762/5S

Set de pile fine 150 mm

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*



UNIOR

619469	5 piese	500	201.64

760HS (150), 763HS (150), 761HS (150), 765HS (150), 764HS (150)

762/5S

Set de pile fine 250 mm

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*



UNIOR

612934	5 piese	1560	285.57

760HS (250), 763HS (250), 761HS (250), 765HS (250), 764HS (250)

762/5S

Set de pile fine 200 mm

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*



UNIOR

612933	5 piese	1020	232.30

760HS (200), 761HS (200), 763HS (200), 764HS (200), 765HS (200)

0322200-P NOU

Set 5 pile semifine 200 mm cu maner plastic

- *cu manere din plastic (forma lata, semirotunda, triunghiulara, patrata, rotunda).*



TOMÉ FEITEIRA

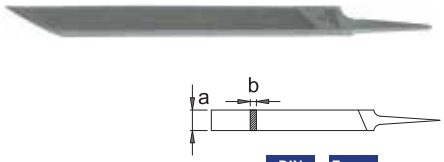
	mm				
0322200-P	5	200	800	NOU	335.27

lata, semirotunda, triunghiulara, patrata, rotunda

F/070

Pila cutit fara maner

- *pila tip cutit cu profil triunghiular cu ascutire incrucisata pe ambele parti*
- *margine ingusta cu tais simplu*
- *1 - bastard; 2 - semifina; 3 - fina*
- *duritate: 60-66 HRc*



TOMÉ FEITEIRA DIN 7261 Forma G

	L	Taiere	axb		
F070100BA	100	1	11,8 x 2.5	20	61.91
F070100SF	100	2	11,8 x 2.5	20	67.16
F070100FI	100	3	11,8 x 2.5	20	70.14
F070150BA	150	1	17,0 x 4.5	60	64.90
F070150SF	150	2	17,0 x 4.5	60	70.14
F070150FI	150	3	17,0 x 4.5	60	73.86
F070200BA	200	1	21,0 x 5.0	100	94.84
F070200SF	200	2	21,0 x 5.0	100	102.27
F070200FI	200	3	21,0 x 5.0	100	106.87
F070250BA	250	1	26,0 x 6.5	200	108.32
F070250SF	250	2	26,0 x 6.5	200	116.64
F070250FI	250	3	26,0 x 6.5	200	122.45
F070300BA	300	1	30,0 x 7.0	340	140.29

Tipuri de danturi



pila bastard



pila semifina



pila fina



raspila bastard



raspila semifina



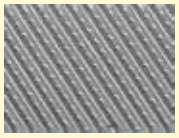
raspila fina



ascutire simpla



ascutire radiala

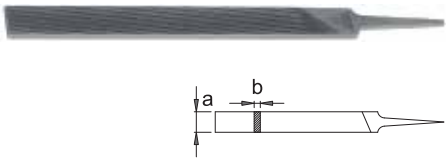


ascutire cu spargator de aschii

UP/297

Pila dreptunghiulara universala

- *pila rectangulara universala cu dantura simpla pe ambele parti si spargator de aschie*
- *cu un cant activ*
- *1 - bastard; 2 - semifina; 3 - fina*
- *duritate: 60-66 HRc*



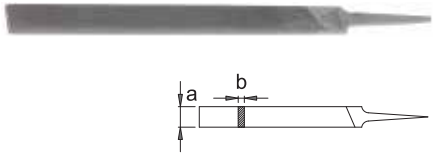
TOMÉ FEITEIRA

	L	Taiere	axb		
UP297200SF	200	2	20 x 4.5	150	62.30
UP297250SF	250	2	24 x 6.0	270	82.31

P2CX/100

Pila plata cu muchii drepte pentru ascutit panze circulare

- *pila rectangulara cu tais simplu pe toate cele 4 fete*
- *pentru panze fierastrau circular si panglica*
- *1 - bastard; 2 - semifina; 3 - fina*



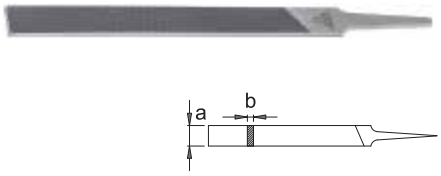
TOMÉ FEITEIRA DIN 7276 Forma E

	L	Taiere	axb		
P2CX100150BA	150	1	15 x 2.5	60	28.57
P2CX100150SF	150	2	15 x 2.5	60	29.78
P2CX100150FI	150	3	15 x 2.5	60	31.08
P2CX100200BA	200	1	20 x 3.5	120	32.29
P2CX100200SF	200	2	20 x 3.5	120	33.74
P2CX100200FI	200	3	20 x 3.5	120	35.35
P2CX100250BA	250	1	24 x 4.0	190	47.46
P2CX100250SF	250	2	24 x 4.0	190	48.91
P2CX100250FI	250	3	24 x 4.0	190	51.09
P2CX100300BA	300	1	29 x 5.0	340	59.65
P2CX100300SF	300	2	29 x 5.0	340	61.59
P2CX100300FI	300	3	29 x 5.0	340	64.09

PPMS/193

Pila plata pentru lant de motofierastrau

- *cu tais incrucisat*
- *1 - bastard; 2 - semifina; 3 - fina*



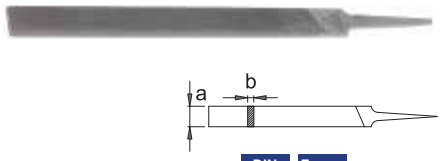
TOMÉ FEITEIRA

	L	Taiere	axb		
PPMS193150	150	2	15 x 3.0	70	29.05

P1CR/101

Pila plata cu o muchie dreapta si una rotunjita pentru ascutit panze circulare

- *pila rectangulara cu tais simplu pe toate cele 4 fete*
- *pentru panze fierastrau circular si panglica*
- *1 - bastard; 2 - semifina; 3 - fina*



TOMÉ FEITEIRA DIN 7276 Forma E

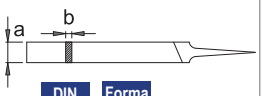
	L	Taiere	axb		
P1CR101150BA	150	1	15 x 2.5	60	32.77
P1CR101150SF	150	2	15 x 2.5	60	33.74
P1CR101150FI	150	3	15 x 2.5	60	34.95
P1CR101200BA	200	1	20 x 3.5	120	35.19
P1CR101200SF	200	2	20 x 3.5	120	36.08
P1CR101200FI	200	3	20 x 3.5	120	37.69
P1CR101250BA	250	1	24 x 4.0	190	50.69
P1CR101250SF	250	2	24 x 4.0	190	51.74
P1CR101300BA	300	1	24 x 4.0	340	62.15
P1CR101300SF	300	2	29 x 5.0	340	63.60
P1CR101300FI	300	3	29 x 5.0	340	67.56

P2CR/102

Pila plata cu muchii rotunjite pentru ascutit panze circulare

- *pila rectangulara cu tais simplu pe toate cele 4 fete*
- *pentru panze fierastrau circular si panglica*
- *1 - bastard; 2 - semifina; 3 - fina*





TOME FETEIRA — DIN 7276 — Forma E

	L	Taiere	axb		
P2CR102150BA	150	1	15 x 2.5	60	34.14
P2CR102150SF	150	2	15 x 2.5	60	35.60
P2CR102150FI	150	3	15 x 2.5	60	37.21
P2CR102200BA	200	1	20 x 3.5	120	36.81
P2CR102200SF	200	2	20 x 3.5	120	38.02
P2CR102200FI	200	3	20 x 3.5	120	39.79
P2CR102250BA	250	1	24 x 4.0	190	53.52
P2CR10250SF	250	2	24 x 4.0	190	55.53
P2CR102250FI	250	3	24 x 4.0	190	57.47
P2CR102300BA	300	1	29 x 5.0	340	64.98
P2CR102300SF	300	2	29 x 5.0	340	66.51
P2CR102300FI	300	3	29 x 5.0	340	68.61

170-179

Pila rotunda pentru lant de motofierastrau

- *cu tais incrucisat*
- *pentru ascutirea dintilor fierastraielor cu lant*
- *pila este confectionata din otel special pentru pile de precizie, cu rezistenta ridicata la uzura*
- *duritate 65-66 HRC*

TOME FETEIRA

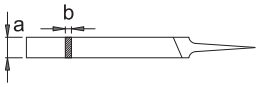
	L	Taiere	b		
1703150	150	3	Ø 3,2	10	11.54
1723150	150	3	Ø4,0	20	11.54
1703200	200	3	Ø3,2	20	11.78
1713200	200	3	Ø3,5	20	11.78
1723200	200	3	Ø4,0	20	11.78
1733200	200	3	Ø4,5	30	11.78
1753200	200	3	Ø4,8	30	11.78
1773200	200	3	Ø5,5	40	13.56
1793200	200	3	Ø6,3	50	13.56

XMTM/019

Pila plata pentru aluminiu

- *pentru aluminiu si alte metale usoare*





TOME FETEIRA — DIN 7261 — Forma A

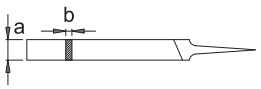
	L	Taiere	axb		
XMTM019200	200	0	20 x 4.5	140	64.90
XMTM019250	250	0	24 x 6.0	250	77.08
XMTM019300	300	0	29 x 6.5	400	117.44

MCMTM/016

Pila semirotunda pentru aluminiu

- *pentru aluminiu si alte metale usoare*





TOME FETEIRA — DIN 7261 — Forma E

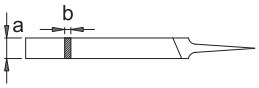
	L	Taiere	axb		
MCMTM016200	200	0	20 x 5,5	130	75.87
MCMTM016250	250	0	24 x 7,0	240	88.38
MCMTM016300	300	0	29 x 8,2	440	136.25
MCMTM016350	350	0	34 x 9,5	280	156.91

113

Pila plata pentru intretinere schiuri

- *cu tais incrucisat*
- *1 - bastard; 2 - semifina; 3 - fina*





TOME FETEIRA

	L	Taiere	axb		
1131200	200	1	20,0 x 3,0	70	36.94



0322200-CP

NOU

Set 5 pile semifine 72 HRC 200 mm cu maner plastic CX CHROMINOX®

- *duritate 72 HRC - acoperire HI-TEC*
- *cel mai dur strat posibil pentru pile*
- *fara infundarea dintilor, fara rugina*
- *utilizari multiple si performanta ridicata*
- *ideale pentu prelucrari pe otel inoxidabil, aliaje de otel, titan, molibden, nichel, cupru etc. si pe toate tipurile de plastic*
- *cu manere din plastic*
- *setul include pile forma lata, semirotunda, triunghiulara, patrata, rotunda*



TOME FETEIRA

		mm		
0322200-CP	5	200	800	602.79

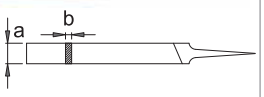
lata, semirotunda, triunghiulara, patrata, rotunda

DNF

Pila plata diamantata

- *pentru prelucrarea otelurilor calite, carburii, sticlei, ceramicii si a plasticului armat cu fibre*





TOME FETEIRA

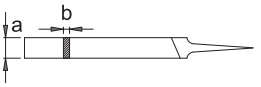
	L	Taiere	axb		
DNF100	100	2	4,0 x 1,0	80	217.75

DNH

Pila semirotunda diamantata

- *pentru prelucrarea otelurilor calite, carburii, sticlei, ceramicii si a plasticului armat cu fibre*





TOME FETEIRA

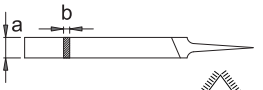
	L	Taiere	axb		
DNH100	100	2	3,5 x 1,5	80	217.75

DND

Pila triunghiulara diamantata

- *pentru prelucrarea otelurilor calite, carburii, sticlei, ceramicii si a plasticului armat cu fibre*





TOME FETEIRA

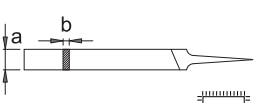
	L	Taiere	axb		
DND100	100	2	2,5 x 2,5	80	217.75

DNV

Pila patrata diamantata

- *pentru prelucrarea otelurilor calite, carburii, sticlei, ceramicii si a plasticului armat cu fibre*





TOME FETEIRA

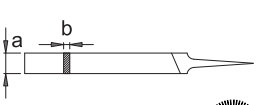
	L	Taiere	axb		
DNV100	100	2	2,0 x 2,0	80	217.75

DNR

Pila rotunda diamantata

- *pentru prelucrarea otelurilor calite, carburii, sticlei, ceramicii si a plasticului armat cu fibre*





TOME FETEIRA

	L	Taiere	axb		
DNR100	100	2	1,5-1	80	217.75

GDS

Set 5 pile diamantate linia hobby

• *pentru prelucrarea otelurilor calite, carburii, sticlei, ceramicii si a plasticului armat cu fibre*
• *maner PVC*



TOMÉ FEITEIRA

GDS	5	307.01

CP/401

Pila ac plata muchiile danturate

• *pentru lucrari de precizie, ceasornicarie etc.*



TOMÉ FEITEIRA

	Lungime	Taiere		
CP401160	160	0	120	23.93
CP401180	180	0	150	26.49

CPCR/402

Pila ac plata muchiile rotunjite nedanturate

• *pentru lucrari de precizie, ceasornicarie etc.*



TOMÉ FEITEIRA

	Lungime	Taiere		
CPCR402160	160	0	120	23.93
CPCR402180	180	0	150	26.49

CX/403

Pila ac plata ascutita muchiile danturate

• *pentru lucrari de precizie, ceasornicarie etc.*



TOMÉ FEITEIRA

	Lungime	Taiere		
CX403160	160	0	120	23.93
CX403180	180	0	150	26.49

CXCR/404

Pila ac plata muchiile danturate rotunjite

• *pentru lucrari de precizie, ceasornicarie etc.*



TOMÉ FEITEIRA

	Lungime	Taiere		
CXCR404160	160	0	120	23.93
CXCR404180	180	0	150	26.49

CXCR/405

Pila ac semirotunda

• *pentru lucrari de precizie, ceasornicarie etc.*



TOMÉ FEITEIRA

	Lungime	Taiere		
CXCR405160	160	0	120	23.93
CXCR405180	180	0	150	26.49

CT/406

Pila ac triunghiulara

• *pentru lucrari de precizie, ceasornicarie etc.*



TOMÉ FEITEIRA

	Lungime	Taiere		
CT406160	160	0	120	23.93
CT406180	180	0	150	26.49

CQ/407

Pila ac patrata

• *pentru lucrari de precizie, ceasornicarie etc.*



TOMÉ FEITEIRA

	Lungime	Taiere		
CQ407160	160	0	120	23.93
CQ407180	180	0	150	26.49

CR/408

Pila ac rotunda

• *pentru lucrari de precizie, ceasornicarie etc.*

TOMÉ FEITEIRA

	Lungime	Taiere		
CR408160	160	0	0,012	23.93
CR408180	180	0	0,015	26.49

CF/409

Pila ac cutit

• *pentru lucrari de precizie, ceasornicarie etc.*



TOMÉ FEITEIRA

	Lungime	Taiere		
CF409160	160	0	120	23.93
CF409180	180	0	150	26.49

CLP/410

Pila ac eliptica

• *pentru lucrari de precizie, ceasornicarie etc.*

TOMÉ FEITEIRA

	Lungime	Taiere		
CLP410160	160	0	120	23.93
CLP410180	180	0	150	26.49

CB/412

Pila ac triunghiulara danturata pe o singura latura

• *pentru lucrari de precizie, ceasornicarie etc.*



TOMÉ FEITEIRA

	Lungime	Taiere		
CB412160	160	0	120	23.93
CB412180	180	0	150	26.49

CFET/414

Pila ac rombica

• *pentru lucrari de precizie, ceasornicarie etc.*

TOMÉ FEITEIRA

	Lungime	Taiere		
CFET414160	160	0	120	23.93
CFET414180	180	0	150	26.49

CJ6/415 / CJ12/400

Set de pile ac

• *pentru aluminiu si alte metale usoare*



TOMÉ FEITEIRA

	Lungime		
CJ6415160	160	6	168.33
CJ6415180	180	6	184.20
CJ12400160	160	12	315.93
CJ12400180	180	12	342.36

0302100 NOU

Set 6 pile 100 mm ascutire foarte fina pentru chei

- *cu manere din lemn (forma lata, lata cutit, semirotunda, riunghiulara, patrata, rotunda).*
- *ideala pentru lacatuserie*
- *ideala pentru incuietori*
- *lungime: 100 mm*



TOMÉ FETEIRA

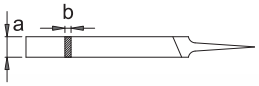
		mm		
0302100	6	100		**160.00**

lata, lata tip cutit, semirotunda, triunghiulara, patrata, rotunda

6631300

Masat cu profil rotund

- *lungime utila 250 mm*
- *sectiune Ø 10 mm*
- *greutate: 300 g*





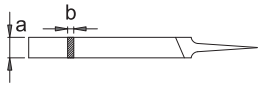
TOMÉ FETEIRA

	L	Taiere	a x b		
6631300	250		10,0 x 10,0	300	**96.40**

6651300

Masat cu profil oval

- *lungime utila 275 mm*
- *sectiune 22x1.0 mm*
- *greutate: 400 g*





TOMÉ FETEIRA

	L	Taiere	a x b		
6651300	275		22,0 x 10,0	400	**140.91**

096

Maner de lemn pentru pila

- *maner pentru pila din lemn de fag, intarit de un inel metalic*



TOMÉ FETEIRA

	Lungime	
0967060	60	**12.53**
0967080	80	**12.53**
0967090	90	**12.53**
0967100	100	**14.97**
0967110	110	**14.97**
0967120	120	**14.97**
0967130	130	**17.58**
0967140	140	**17.58**
0967150	150	**17.58**
0967160	160	**17.58**

097

Maner de plastic pentru pila

0970981 - *pentru pile 100 mm (4"): late, rotunde, triunghiulare si patrate; 86 mm Ø4,0 (gaura mica)*

0970983 - *pentru pile 100 mm (4"): semirotunde / 150 mm (6"): late; semirotunde; rotunde; patrate; triunghiulare si raspile semirotunde; 86 mm Ø5,4 (gaura mare)*

0970984 - *pentru pile 200 mm (8"): late; semirotunde; rotunde; patrate si triunghiulare; 110 mm Ø6,5 (gaura mica)*

0970985 - *pentru pile 200 mm (8"): raspile semirotunde / 250 mm (10") rotunde; patrate si triunghiulare; 110 mm Ø7,7 (gaura mare)*

0970988 - *pentru pile 250 mm (10"): pile late, semirotunde si raspile semirotunde / 300 mm (12") pile rotunde, patrate si triunghiulare; 135 mm Ø9,3 (gaura mica)*

0970989 - *pile de 300 mm (12"): pile late, semirotunde si raspile semirotunde / 350 mm (14") toate pilele; 135 mm Ø10.6 (gaura mare)*



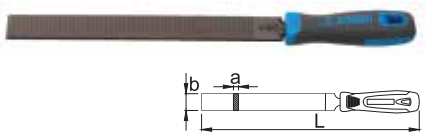
TOMÉ FETEIRA

	Diametru	Lumgime	
0970981	4.0 Ø	86	**18.10**
0970983	5.4 Ø	86	**18.10**
0970984	6.5 Ø	110	**18.10**
0970985	7.7 Ø	110	**18.10**
0970988	9.3 Ø	135	**18.10**
0970989	10.6 Ø	135	**18.10**

767H1/2S

Raspila dreptunghiulara cu maner, semifina

- *material: otel inalt aliat*



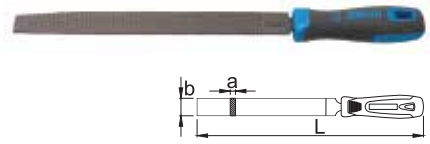
UNIOR

	LU	LT	a x b		
613038	200	325	4,5 x 19,5	260	**47.38**
613039	250	375	5 x 23	370	**63.77**

768H1/2S

Raspila semirotunda cu maner, semifina

- *material: otel inalt aliat*



UNIOR

	LU	LT	a x b		
613041	200	325	5 x 19	180	**60.00**
613042	250	375	6,5 x 23	280	**66.72**
613043	300	425	7,5 x 27	510	**82.46**

201 NOU

Raspila lata 200 mm fara maner

- *utilizare: pentru a raspa piese din lemn, materiale plastice etc.*
- *lungime: 200 mm*
- *latime: 21.0 mm*
- *inaltime: 7.0 mm*
- *greutate: 163 g*



TOMÉ FETEIRA

	mm		
2012200	200	163	**41.97**

205 NOU

Raspila semirotunda 200 mm fara maner

- *utilizare: pentru a raspa piese curbate din lemn, materiale plastice etc.*
- *lungime: 200 mm*
- *latime: 20.0 mm*
- *inaltime: 6.5 mm*
- *greutate: 125 g*



TOMÉ FETEIRA

	mm		
2052200	200	125	**42.79**

NOU

Raspila rotunda 200 mm fara maner

- *utilizare: pentru a raspa gauri si crestaturi rotunde pe lemn si plastic.*
- *lungime: 200 mm*
- *diametru: 10 mm*
- *greutate: 80 g*



TOME FETEIRA

	mm		
2152200	200	770	37.54

230 NOU

Raspila pentru copite PONY 8" 200 mm

- *utilizare: ½ pila - ½ raspila*
- *lungime: 200 mm*
- *latime: 45 mm*
- *inaltime: 6 mm*
- *greutate: 770 g*



TOME FETEIRA

	mm		
2300200	200	770	182.62

230 NOU

Raspila pentru copite SILVERBULLET 14" 350 mm

- *utilizare: ¼ pila - ¾ raspila (sau ½ - ½).*
- *lungime: 350 mm*
- *latime: 45 mm*
- *inaltime: 6 mm*
- *greutate: 1525 g*



TOME FETEIRA

	mm		
2260350	350	1525	204.92

0312200-P NOU

Set 3 raspile 200 mm cu maner din plastic

- *lungime: 200 mm*



TOME FETEIRA

		mm	
0302100	3	200	286.56

380 NOU

Pila SILEX 14" - 350 MM 9 TPI

- *utilizare: pentru pilire tabla, in special caroserii auto.*
- *sectiune: 35 x 4,5 mm*
- *ascutire radiala: 32 x 9,0 mm*
- *greutate: 324 g*



TOME FETEIRA

	mm			
3801350	350	35 x 4,5	324	127.11

380 NOU

Pila SILEX 14" - 350 MM 13 TPI

- *utilizare: pentru pilire tabla, in special caroserii auto.*
- *sectiune: 35 x 4,5 mm*
- *ascutire radiala: 32 x 9,0 mm*
- *greutate: 324 g*



TOME FETEIRA

	mm			
3803350	350	35 x 4,5	324	132.56

380 NOU

Pila SILEX 14" - 350 MM 18 TPI

- *utilizare: pentru pilire tabla, in special caroserii auto.*
- *sectiune: 35 x 4,5 mm*
- *ascutire radiala: 32 x 9,0 mm*
- *greutate: 324 g*



TOME FETEIRA

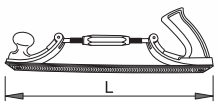
	mm			
3804350	350	35 x 4,5	324	150.90

387 NOU

Suport pila silex 350 mm

- *utilizare: pentru pilire tabla, in special caroserii auto.*
- *lunngime pila: 350 mm (nu este inclusa)*





TOME FETEIRA

	mm		
3877350	350	680	185.77

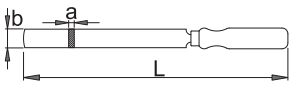


777/6A

Razuitor plat

- *material:otel aliat*
- *lama grunduita, corp vopsit albastru*
- *maner de lemn*





UNIOR

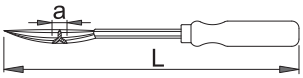
	LU	LT	a x b		
612228	200	325	5 x 20	233	94.75

777/6C

Razuitor cu trei muchii

- *material:otel aliat*
- *lama grunduita, corp vopsit albastru*
- *maner de lemn*





UNIOR

	LU	LT	A		
612233	150	255	8	113	85.41
612234	200	325	8	213	96.56
612235	250	370	8	370	103.77



MENGHINE SI CLEME

Usor de manevrat

Gama larga de scule este destinata unei game largi de utilizatori. Menghinele rapide asigura a prindere sigura si rapida

Strangere ferma

Sculele Unior se disting printr-o strangere optima, evitandu-se orice pericol in timpul utilizarii. Ghidajele precise ale menghinelor asigura o miscare rapida a bacurilor si asigura o strangere usoara gratie sistemului rapid de blocare. Montate pe un suport rotitor usureaza prinderea obiectelor de forme diferite.

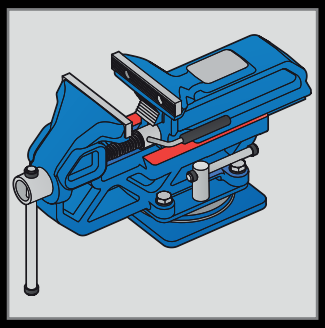
721/6
721Q/6



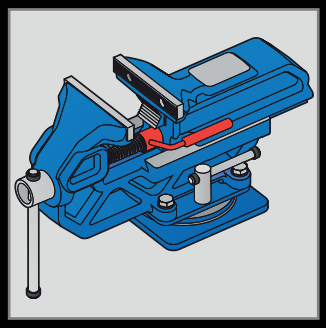
Menghine de banc 344

Accesorii menghine de banc 344

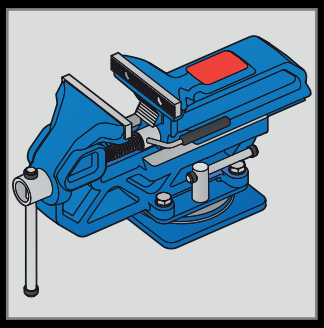
Cleme de fixare 346



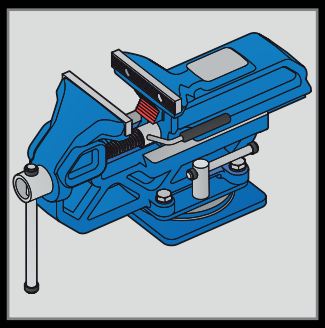
glisirele uniPRO asigura miscarea exacta a partii mobile



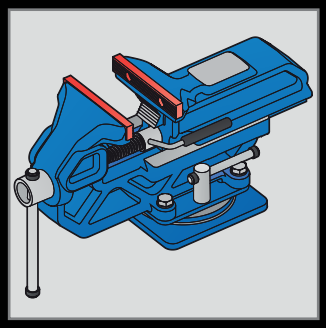
sistem rapid de miscare



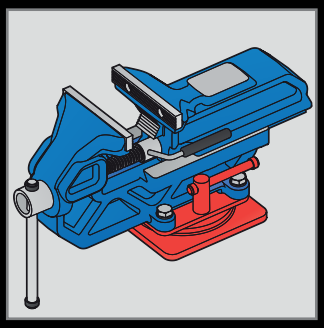
Suprafata de lucru rugoasa



falci mobile pentru mentinerea tevii



bacuri forjate din otel, calite si revenite



baza menghinei poate fi rotita cu 360°

Materiale de calitate

Designul studiat pentru a asigura un optim atat din punct de vedere al rezistentei cat si al ergonomiei asigura un lucru in deplina siguranta chiar si atunci cand apare o suprasarcina. Sculele Unior sunt adaptate profesionistilor cu o inalta exigenta calitativa, cu o durata de viata indelungata.



721/6

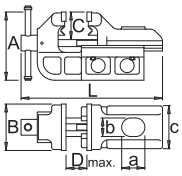
Menghina de banc tip IRONGATOR

- *corpul turnat din fonta cenusie*
- *bacuri forjate din otel carbon, calite si revenite*
- *carcasa vopsita, bacuri protejate anti-coroziune, celelalte parti zincate*
- *ax protejat impotriva deteriorarii*
- *glisirele uniPRO asigira miscarea exacta a partii mobile*
- *menghina poate fi combinata cu un suport rotitor*









	B	D	L		C	a	b	c	A				
621564	80	100	215	11 - 35	46	42	28	64	113	3500	1G	1	**755.41**
621481	125	160	336	17 - 62	73	66	44	95	176	14400	1G	1	**1384.43**
621567	150	190	400	20 - 66	88	80	53	117	211	24200	1G	1	**2180.82**
621570	200	220	461	24 - 80	103	93	62	140	265	37800	1G	1	**2934.75**

721Q/6

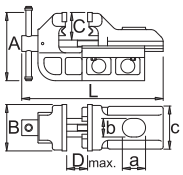
Menghina de banc tip IRONGATOR cu sistem mobil rapid

- *corpul turnat din fonta cenusie*
- *bacuri forjate din otel carbon, calite si revenite*
- *carcasa vopsita, bacuri protejate anti-coroziune, celelalte parti zincate*
- *glisirele uniPRO asigira miscarea exacta a partii mobile*
- *menghina poate fi combinata cu un suport rotitor*
- *sistem rapid de miscare*









	B	D	L		C	a	b	c	A				
621482	125	120	336	17 - 62	77	66	44	95	176	14500	1G	1	**1983.77**
621568	150	190	400	20 - 66	88	80	53	117	211	23500	1G	1	**2706.89**

721.1/6

Corp pivotant principal pentru 721/6 si 721Q/6

- *corpul din otel turnat*
- *materialul altor parti: otel special de scule*
- *baza menghinei poate fi rotita cu 360°*



621566	80	2570	1F	1	**194.75**
621483	125	2575	1F	1	**380.00**
621569	150	2580	1F	1	**474.10**
621572	200	2585	1F	1	**635.90**

722.1/7

Bacuri de schimb pentru art. 722

- *material:otel special de scule*
- *forjate,tratate complet*
- *set de 2 piese*



	B				
623083	80	240	1E	1	**130.00**
619020	125	378	1E	1	**140.33**
619021	150	1030	1E	1	**233.93**
619023	200	1365	1E	1	**274.92**

722.1AL

Bacuri de schimb din aluminiu pentru 722/6

- *material: aluminiu*
- *set de 2 piese*



	B				
623084	80	110	1E	1	**130.00**
619026	125	156	1E	1	**139.51**
619027	150	400	1E	1	**241.97**
619029	200	541	1E	1	**284.59**

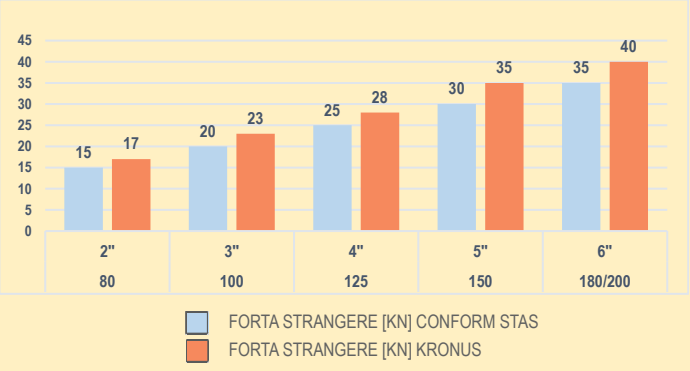


Fontele cenușii se toarnă foarte bine și se prelucrează prin așchiere, fiind ieftine. Fontele nodulare se obțin prin adăugarea de magneziu în baia de fontă. Prezintă proprietăți mecanice la fel de bune ca oțelul și se toarnă la fel de bine ca fonta cenușie.

Manganul joacă un rol diferit în fonta ductilă decât în fonta cenușie. În fonta cenușie, pe lângă întărirea feritei și stabilizarea perlitei, manganul poate reduce și efectul nociv al sulfului. În fonta ductilă (grafit nodular) , elementul sferoidizant are o capacitate puternică de desulfurare, iar manganul nu mai are acest efect. Deoarece manganul are o tendință pozitivă serioasă de segregare, acesta este adesea îmbogățit la granițele grupului eutectic, ceea ce favorizează formarea de carburi intergranulare și reduce semnificativ duritatea fontei ductile. Pentru fonta ductilă de secțiune groasă și mare, tendința de segregare a manganului este mai gravă. În același timp, odată cu creșterea conținutului de mangan, conținutul de perlită din matrice crește, astfel încât indicele de rezistență este îmbunătățit, iar duritatea este redusă în același timp. Controlul conținutului de mangan în fonta ductilă de înaltă duritate ar trebui să fie mai strict.

Prin urmare, cu cât Mn este mai mic, cu atât materia primă este mai bună. Limita superioară a controlului manganului pentru piese turnate mari este Mn

DIMENSIUNE FALCI [mm]	INCH	FORTA STRANGERE [KN] CONFORM STAS	FORTA STRANGERE [KN] KRONUS
80	2"	15	17
100	3"	20	23
125	4"	25	28
150	5"	30	35
180/200	6"	35	40



7722GN

Menghina universala incasabila pentru banc

Fabricata din fonta incasabila speciala (grafit nodular)

• glisarea in spate a falcii mobile: designul falcii frontale fiind stationar ajuta la transmiterea unei forte suplimentare de actionare si este mult mai rezistenta fata de designul obisnuit
• menghinele paralele asigura prinderea ferma a pieselor de diferite dimensiuni in vederea prelucrarii

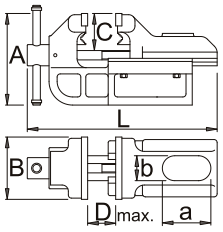
ATENTIE! Nicovala se utilizeaza numai pentru lucrari de finete



KRONUS Professional Quality







	B	A	C	D max.	L	a	b		
902337	80	135	80	80	220	54	39	5900	**373.48**
902338	100	168	97	100	290	80	48	9500	**514.08**
902339	125	170	105	120	315	92	55	13900	**709.95**
902340	150	195	127	150	360	115	64	22000	**1046.65**
902341	200	220	129	200	420	146	82	29000	**1433.91**



SG 500/7 si echivalenta SR EN 1561:1999EN-GJS-500-7C	
EN-GJS-500-7C	
Rezistenta la tractiune/ rupere	500 N/mm²
Rezistenta la compresie	900 MPa
Rezistenta la forfecare	450 N/mm²
Elongatie / Alungire pana la rupere	7%
Duritate	170 - 230 HB

Compozitie chimica SG 500/7

- Carbon C 3.4 [%]
- Silicon Si 2.3 [%]
- Mangan Mn 0.1-0.3 [%]
- (mangan mai putin=materie prima mai buna)
- Sulphur S 0.02 max. [%]
- Phosphorus P 0.10 max. [%]
- Iron Fe

7722M

NOU

Menghina multifunctionala de atelier 125 mm cu baza pivotanta

- *falci din otel tratat*
- *corpul și falca glisantă sunt turnate*
- *executata din fonta cenusie cu continut ridicat de fier, cu toate suprafetele de frecare prelucrate, pentru o deplasare lina si o strangere eficienta*
- *maner din otel - se va indoi înainte ca menghina sa poata fi suprasolicitata*
- *menghina tevi cu capacitate 3”*
- *capul rotativ la 360° permite lucrul cu falcile de teava sau falcile traditionale de menghina in orice unghi*
- *nicovala integrata*
- *baza rotativa - se roteste la 360° pentru cel mai convenabil unghi de lucru*







KRONUS® Professional Quality

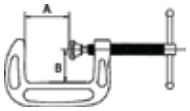
	B	W	L	F	C	H	axb		
902546	125	125	410	74	125	230	82x65	14000	**882.30**

NOU

Clema fixare tip G

- *clemele EGA Master sunt indispensabile pentru fixarea profesionala in lucrarile de metal si lemn.*
- *construcție robusta*
- *deschideri de la 50 la 200 mm si latimi de la 30 la 83 mm*
- *maner în T pentru ajustare rapida si confortabila*





EGA Master ART IN INNOVATION

	A(max)	B	Kgf		
69570	50	30	120	195	**56.74**
69571	75	52	150	700	**113.62**
69572	100	60	255	900	**141.95**
69574	150	65	355	1600	**236.69**
69575	200	83	400	1900	**340.79**

30

Manghina tamplarie cu falci de lemn

- *se utilizeaza la prinderea semifabricatului lemnos pe pozitit atunci cand strangatorul metalic este prea greu*
- *falcile realizate din fag, iar placutele de presiune sunt protejate cu dop pentru a preveni deteriorarea suprafetelor delicate*
- *corpul clemei este realizat din otel zincat*
- *dispozitivele de blocare a falcii inferioare au o maneta rapida cu came si usor de utilizat*



Finie

	Dim.	L	H	I		
30-200	200x110	290	145	24	500	**97.12**

706

Menghina Heavy Duty

- *material: otel carbon*
- *tratament termic total*
- *maner din lemn, lacuit*
- *frana integrata previne alunecarea necontrolata*
- *profil glisant zimtat*
- *pentru utilizare tamplarie, sudura si asamblare*





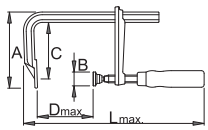
Fălcă glisantă cu mai multe opțiuni de poziționare.

Șina profilata din otel dreptunghiulara de inalta rezistenta, calibrata si zimtata. Finisaj suprafață: fălci lăcuite, șină zincată.



Șurub cu filet trapezoidal: „Mai puține eforturi-mai multă forță de strângere”.

Picior pivotant



UNIOR

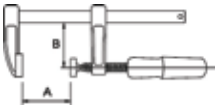
	Df	C	Lf	A	L	B		
626283	200	136	465	181	323	34	1750	**221.15**
626284	300	136	565	181	423	34	1870	**279.02**
626285	400	136	665	181	523	34	2090	**319.51**
626286	500	136	765	181	623	34	2310	**337.21**
626287	600	136	865	181	723	34	2530	**352.79**
626288	1000	136	1265	181	1123	34	3410	**385.57**

NOU

Clema fixare tip F

- *clema tip F de la EGA Master este un dispozitiv de fixare utilizat intr-o varietate de aplicatii industriale si de tip DIY.*
- *tine piesele de lucru ferm, asigurand stabilitate si precizie în timpul procesarii, asamblării sau reparării.*
- *maner ergonomic pentru strangere usoara*
- *deschidere ajustabila pentru a se potrivi diferitelor grosimi de material.*
- *material corp: fonta maleabils*
- *material surub: otel carbon A-3*
- *finisare corp: placat cu nichel*
- *finisare brate: vopsite de culoare albastra*
- *finisare surub / maner: negru si rosu*





EGA Master ART IN INNOVATION

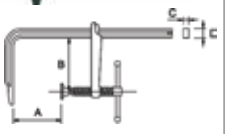
	A(max)	B	Kgf		
69580	150	50	225	450	**70.94**
69581	200	50	225	600	**75.77**
69582	200	80	360	1000	**113.62**
69583	250	80	360	1150	**123.07**
69585	300	120	600	1600	**253.42**
69586	400	120	600	1800	**269.93**
69588	600	120	600	2200	**298.78**
69589	800	120	600	2700	**322.28**
69590	1000	120	600	3000	**350.02**

NOU

Clema fixare tip F forjata

- *falca este detasabila si se roteste pentru a fixa obiecte de forme neregulate.*
- *surubul are un filet rulat pentru a asigura o miscare usoara si o forta de prindere maxima*
- *falca, surubul si manerul sunt protejate impotriva coroziunii.*





EGA Master ART IN INNOVATION

	A(max)	B	C	D	Kgf		
69961	250	80	6	15,5	255	650	**313.43**
69965	250	100	9,5	19	300	900	**426.98**
69967	400	100	9,5	19	300	1200	**526.25**
69968	500	100	9,5	19	300	1600	**571.39**
69970	250	120	10	21,5	400	1100	**680.77**
69972	400	120	10	21,5	400	1400	**943.64**
69975	800	120	10	21,5	400	1900	**1256.32**
69977	1200	120	10	21,5	400	2900	**1497.85**



FIERASTRAIE

PILANA

Productia in Hulin a inceput în anul 1934, cand a fost înfiintata firma cu numele „Prima fabrica moraviana de panze si unelte“. Compania producea doar panze manuale si circulare pentru taierea lemnului. Mai tarziu programul de productie a evoluat si alte unelte au fost create, cum ar fi benzi pentru lemn si cutite pentru rindeluit. In anii ‘60 a fost initiata producerea panzelor circulare pentru lemn cu placute vidia. Mai tarziu a inceput fabricarea fierastraielor cu cadru si a uneltelor pentru debitarea metalului.

JOSEF HAUNSTETTER

Mai mult de 100 de ani de experienta in producerea cadrelor de fierastrau de mana, precum si a panzelor de fierastrau, copiere si modelism au facut cunoscut brandul Haunstetter in intreaga lume. Dupa ce a trecut de la Augsburg-Göggingen la Augsburg-Haunstetten in spatii moderne de productie si administrare, in prezent firma isi fabrica produsele pentru cei peste 500 de clienti din aproximativ 40 de tari diferite, pe o suprafata mai mare de 2.800 m².

UNIOR® PILANA Pilana METAL cutBRIK® PORTUGAL JOSEF HAUNSTETTER SÄGENFABRIK KG GEGRÜNDET 1916 Tivoli

Fierastrau pentru izolatii IsoCut

- *fierastrau Iso Cut pentru taierea profesionala a izolatiei*
- *cu design ergonomic si protectie la oxidare, aceasta noua unealta garanteaza o taiere precisa*
- *utilizare simpla si sigura*
- *potrivit pentru: izolatiile conductelor, izolatie din fibra de sticla izolatie din spuma expandabila, placi izolatoare din spuma, izolatie din spuma*









Fierastraie pentru gradinarit 349
Fierastraie pentru lemn 352
Pasuitoare 352
Traforaj 353
Minibomfaiere 353
Bomfaiere 354
Fierastraie pentru macelarie 354
Fierastraie pentru constructii 355

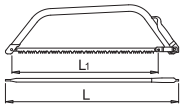


755

Fierastrau cu coarda, joagar

- *material:lama otel C75*
- *maner din otel*





UNIOR

	L1	L1	L				
612236	610	24"	700	580	1Z	1	**50.66**
609407	762	30"	850	750	1Z	1	**56.56**

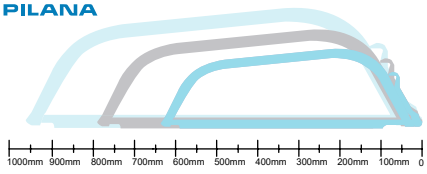
22 5254

Fierastrau cu parghie de intindere

- *fierastrau cu parghie de intindere universal pentru taierea lemnului uscat sau crud*
- *panza de rezerva cu dantura calita 22 5244.1*
- *dinti caliti cu durabilitate prelungita*



PILANA

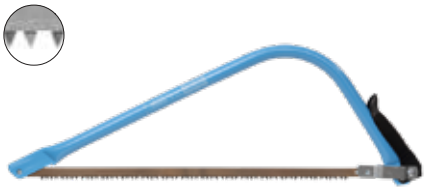


	L	V			
5254533000	530	190	580	1	**48.33**
5254610000	610	215	750	1	**52.36**
5254760000	760	230	850	1	**55.72**
5254800000	800	240	900	1	**60.42**
5254914000	914	250	990	1	**65.12**

22 5251

Fierastrau mic cu parghie de intindere

- *fierastrau cu parghie de intindere folosit pentru taierea crengilor de marime mijlocie si pentru intinerirea copacilor*
- *perfect pentru lucrul în spatiu restrans*
- *panza de rezerva 22 5249.1*
- *dinti caliti cu durabilitate prelungita*





PILANA



	L	V			
5251000000	500	195	470	1	**45.41**

755.1

Panza de schimb pentru 755

UNIOR

	L1	L1				
612237	610	24"	50	1F	10	**15.08**
609409	762	30"	78	1F	10	**16.72**

22 5244.1

Panza pentru fierastrau cu parghie de intindere pentru taierea lemnului uscat sau crud

- *panza de rezerva pentru fierastraie cu parghie de intindere*
- *ceaprazuire pentru taierea lemnului uscat sau crud*
- *dinti caliti cu durabilitate prelungita*



PILANA

	L	V				
5244153300	533	20	0,7	0,05	1	**12.39**
5244161000	610	20	0,7	0,07	1	**15.23**
5244176000	760	20	0,7	0,09	1	**17.67**
5244180000	800	20	0,7	0,09	1	**18.48**
5244190000	900	20	0,7	0,10	1	**19.91**
5244191400	914	20	0,7	0,10	1	**20.11**
5244110000	1000	20	0,7	0,11	1	**21.53**

22 5244.2

Panza pentru fierastrau cu parghie de intindere pentru taierea lemnului uscat

- *panza de fierastrau cu dantura triunghiulara pentru taierea lemnului uscat*
- *dinti intariti (64 HRc) pentru o utilizare indelungata*



PILANA

	L	V	S			
5244253300	533	20	0,7	60	1	**12.39**
5244261000	610	20	0,7	70	1	**15.23**
5244276000	760	20	0,7	90	1	**17.67**
5244280000	800	20	0,7	90	1	**18.48**
5244290000	900	20	0,7	100	1	**19.91**
5244291400	914	20	0,7	100	1	**20.11**

22 5249.1

Panza pentru fierastrau mic cu parghie de intindere

- *panza de rezerva pentru fierastrau mic cu parghie de intindere articol 225251*
- *dinti caliti cu durabilitate prelungita*



PILANA

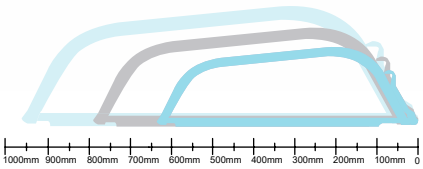
	L	H	V			
5249150000	500	18	0.7	50	1	**11.80**

50SP NOU

Fierastrau cu parghie de intindere 50SP

- *fierastrau robust, foarte rezistent, cu stabilitate si rezistena excelente*
- *proiectat cu un maner turnat manual, care ofera confort excelent la locul de munca*
- *sistem de tensionare reglabil incorporat pentru reglarea panzei de fierastrau, asigurand o mai mare precizie la taiere si inlocuirea usoara a panzei de fierastrau*
- *unealtă echipată cu o lamă de fierastrau standard cu varfuri intarite prin sistem de inductie calibrat tehnic de inalta frecventa, care asigura o taiere lină*





cutBRIK PORTUGAL

cutBRIK PORTUGAL STANDARD

	Lmm	Linch	Ømm		
50SP-610mm	610	24"	28x14	570	**42.13**
50SP-762mm	762	30"	28x14	670	**49.18**
50SP-813mm	813	32"	28x14	840	**56.23**
50SP-914mm	914	36"	28x14	960	**60.49**

NOU

Panza fierastrau cu parghie de intindere

- *lama de fierastrau standard cu varfuri intarite prin sistem de inductie calibrat tehnic de inalta frecventa, care asigura o taiere lină*



cutBRIK PORTUGAL

cutBRIK PORTUGAL SAW BLADE COLLECTION

	Lmm	Linch	TPI		
10-300	300	12"	10 / 18	30	**8.36**
10-533	533	21"	10 / 18	41	**8.85**
10-610	610	24"	10 / 18	56	**11.64**
10-762	762	30"	10 / 18	78	**13.77**
10-914	914	36"	10 / 18	95	**17.05**

L - lungimea panzei de fierastrau, **S** - grosimea panzei de fierastrau, **H** - latimea panzei de fierastrau, **V** - inaltimea fierastraului, **T** - pasul dintilor, **m** - greutate

15S NOU

Fierastrau cu parghie de intindere combinat 15ST

• fierastrau robust, foarte rezistent, cu stabilitate si rezistena excelente
• sistem de tensionare reglabil incorporat pentru reglarea panzei de fierastrau, asigurand o mai mare precizie la taiere si inlocuirea usoara a panzei de fierastrau
• unealta echipata cu lama de fierastrau pentru lemn Standard pentru taierea lemnului cu varfuri intarite prin sistem de inductie calibrat tehnic de inalta frecventa, care asigura o taiere lina, plus o lama de taiere fier



cut BRIK PORTUGAL — cut BRIK PORTUGAL STANDARD

	Lmm	Linch	Ømm		
15S-300	300	12"	22x16	640	38.03

70S NOU

Fierastrau cu parghie de intindere Standard 70ST

• fierastrau robust, foarte rezistent, cu stabilitate si rezistena excelente
• sistem de tensionare reglabil incorporat pentru reglarea panzei de fierastrau, asigurand o mai mare precizie la taiere si inlocuirea usoara a panzei de fierastrau
• unealta echipata cu lama de fierastrau pentru lemn Standard pentru taierea lemnului cu varfuri intarite prin sistem de inductie



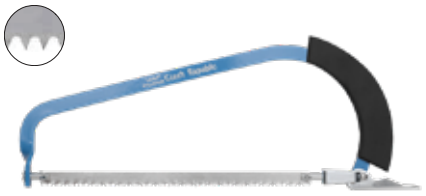
cut BRIK PORTUGAL — cut BRIK PORTUGAL STANDARD

	Lmm	Linch	Ømm		
70S-533	533	21"	22x16	640	37.38

22 5263

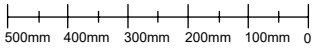
Fierastrau pentru gradinarit cu parghie de intindere

• fierastrau de gradinarie folosit pentru taierea pomilor fructiferi si a tufelor
• intinderea panzei este de calitate, asigurata de parghia de intindere si a cadrului din otel plat
• posibilitatea alegerii unghiului de taiere
• orientarea si schimbarea rapida este simpla si rapida





PILANA



	L	V			
5263000000	300	163	500	1	60.43

15ST NOU

Fierastrau cu parghie de intindere combinat 15ST

• fierastrau robust, foarte rezistent, cu stabilitate si rezistena excelente
• echipat cu un maner ergonomic care absoarbe vibratiile de taiere, oferind un nivel ridicat de confort si siguranta remarcabil la locul de munca
• sistem de tensionare reglabil incorporat pentru reglarea panzei de fierastrau, asigurand o mai mare precizie la taiere si inlocuirea usoara a panzei de fierastrau
• unealta echipata cu lama de fierastrau pentru lemn Top Quality din otel inoxidabil pentru taierea lemnului cu varfuri intarite prin sistem de inductie calibrat tehnic de inalta frecventa, care asigura o taiere lina, plus o lama de taiere fier



cut BRIK PORTUGAL — cut BRIK PORTUGAL TOP QUALITY

	Lmm	Linch	Ømm		
15ST-300	300	12"	28x14	640	88.52

26ST NOU

Fierastrau cu parghie de intindere 26ST

• fierastrau robust, foarte rezistent, cu stabilitate si rezistena excelente
• echipat cu un maner ergonomic care absoarbe vibratiile de taiere, oferind un nivel ridicat de confort si siguranta remarcabil la locul de munca
• sistem de tensionare reglabil incorporat pentru reglarea panzei de fierastrau, asigurand o mai mare precizie la taiere si inlocuirea usoara a panzei de fierastrau
• unealta echipata cu o panza de fierastrau din otel inoxidabil de calitate superioara cu dinti care au varfuri intarite prin sistem de inductie calibrat tehnic de inalta frecventa, oferind o taiere lina



cut BRIK PORTUGAL — cut BRIK PORTUGAL TOP QUALITY

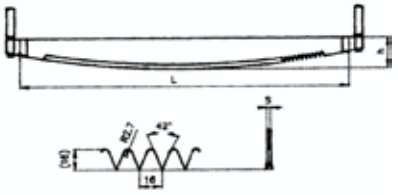
	Lmm	Linch	Ømm		
26ST-610mm	610	24"	31x18	820	107.05
26ST-762mm	762	30"	31x18	920	116.23

PN 22 52 30 NOU

Fierastrau traditional debitat busteni pentru doi oameni

• fierastrau traditional pentru doi oameni cu manere din fag
• potrivit pentru taierea transversala a bustenilor
• dintii slefuiti mecanic si ascutiti; dintii pot fi reascutiti
• pentru taierea bustenilor
• duritate: 48+/-2 HRc





Pilana METAL

	L	H	S		
5981050 1401400000	1050	140	1,4	1800	1039.51
5981200 1201200000	1200	140	1,4	1600	1119.02
5981200 1401400000	1400	140	1,4	2100	1159.34
5981400 1401400000	1600	140	1,4	2400	1237.38
5981600 1401400000	1200	120	1,2	2800	1088.36

28ST NOU

Fierastrau cu parghie de intindere 28ST

• fierastrau robust, foarte rezistent, cu stabilitate si rezistena excelente
• echipat cu un maner ergonomic care absoarbe vibratiile de taiere, oferind un nivel ridicat de confort si siguranta remarcabil la locul de munca
• sistem de tensionare reglabil incorporat pentru reglarea panzei de fierastrau, asigurand o mai mare precizie la taiere si inlocuirea usoara a panzei de fierastrau
• unealta echipata cu o panza de fierastrau din otel inoxidabil de calitate superioara cu dinti care au varfuri intarite prin sistem de inductie calibrat tehnic de inalta frecventa, oferind o taiere lina



cut BRIK PORTUGAL — cut BRIK PORTUGAL TOP QUALITY

	Lmm	Linch	Ømm		
28ST-533	533	21"	31x18	700	102.79

27ST NOU

Fierastrau cu parghie de intindere 27ST

• fierastrau robust, foarte rezistent, cu stabilitate si rezistena excelente
• echipat cu un maner ergonomic care absoarbe vibratiile de taiere, oferind un nivel ridicat de confort si siguranta remarcabil la locul de munca
• sistem de tensionare reglabil incorporat pentru reglarea panzei de fierastrau, asigurand o mai mare precizie la taiere si inlocuirea usoara a panzei de fierastrau
• unealta echipata cu o panza de fierastrau din otel inoxidabil de calitate superioara cu dinti care au varfuri intarite prin sistem de inductie calibrat tehnic de inalta frecventa, oferind o taiere lina



cut BRIK PORTUGAL — cut BRIK PORTUGAL TOP QUALITY

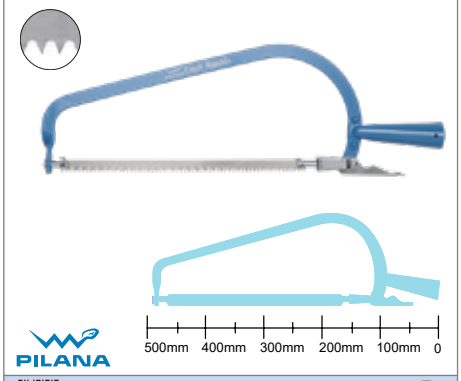
	Lmm	Linch	Ømm		
27ST-533mm	533	21"	31x18	720	101.97



22 5267

Fierastrau pentru gradinarit

- *fierastrau care se monteaza pe prajina pentru taierea crengilor din coroanele copacilor*
- *intinderea panzei este de calitate, asigurata de parghia de intindere si a cadrului din otel plat*
- *posibilitatea alegerii unghiului de taiere*
- *orientarea si schimbarea panzei este simpla si rapida*

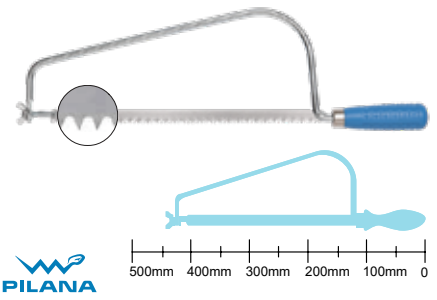


	L	V			
5267000000	300	160	570	1	57.05

22 5265

Fierastrau pentru gradinarit

- *fierastrau de gradinarie simplu pentru taierea pomilor fructiferi si a tufelor*
- *oportun pentru taierea crengilor de diametre mici si mijlocii*



	L	V			
5265000000	300	143	316	1	38.52

22 5260

Panze pentru fierastrau pentru gradinarit

- *pentru fierastraiele 22 5263, 22 5265 si 22 5267*
- *panza cu dinti necaliti, drepti, pentru taierea lemnului crud*



	L	H	T			
5260300000	300	15	5	15	1	9.14

22 5261

Panze pentru fierastrau pentru gradinarit

- *pentru fierastraiele 22 5263, 22 5265 si 22 5267*
- *panza de dinti necaliti, oblici pentru taierea lemnului uscat*



	L	H	T			
5261300000	300	15	4	16	1	9.14

22 5262.15

Panze pentru fierastrau pentru gradinarit

- *pentru fierastraiele 22 5263, 22 5265 si 22 5267*
- *panza cu dintare grupata, calita pentru taierea lemnului uscat sau crud*

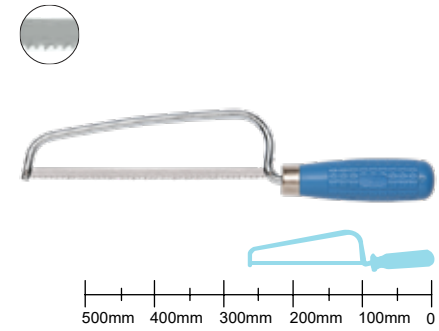


	L	H	T			
5262300000	300	15	5	17	1	9.75

22 5264

Fierastrau mic pentru gradinarit

- *fierastrau cu dintare fina pentru taierea tufelor de coacaze si a trandafirilor*
- *cadru solid cu mâner de plastic*
- *panza de rezerva 22 5264.1, latimea 7,5 mm*

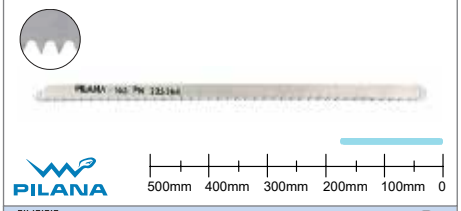


	L	V			
5264000000	165	58	96	1	23.44

225264.1

Panza fierastrau pentru gradinarit

- *pentru taierea pomilor fructiferi si a tufelor*
- *oportun pentru taierea crengilor de diametre mici si mijlocii*



	L	H	T			
5264100000	165	7.5	2	16	1	5.90

22 5296

Fierastrau rabatabil pentru gradinarit

- *fierastrau cu maner de plastic pentru taierea copacilor si a tufelor*
- *dinti cu trei muchii de taiere pentru o taietura usoara si rapida*
- *rabatabil si stocare sigura*



	L	S	T			
5296000000	300	1,3	3,6	24	1	51.31

22 5298

Fierastrau curbat pentru gradinarit

- *fierastrau cu maner de lemn pentru taierea copacilor si a tufelor*
- *dinti cu trei muchii de taiere pentru o taietura usoara si rapida*

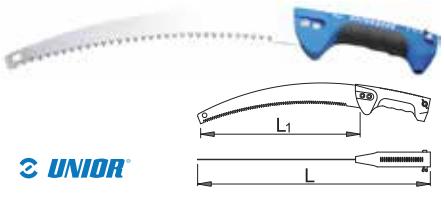


	L	S	T			
5298000000	330	1,2	3,6	22	1	59.02

752

Fierastrau coada de vulpe

- *material:lama otel special de scule*
- *maner din polistiren*



	L1	L				
609424	330	497	270	1Z	1	100.66

22 5297.1

Fierastrau pentru gradinarit

- *fierastrau cu maner de plastic pentru taierea copacilor si a tufelor*
- *dinti cu trei muchii de taiere pentru o taietura usoara si rapida*



	L	S	T			
5297000000	300	1,2	3,6	220	1	48.36

22 5299

Fierastrau cu carlig pentru gradinarit

- *fierastrau pentru montarea pe prajina pentru taierea crengilor la care se ajunge cu greu*
- *carlig pentru agatarea crengilor taiate*



	L	S	T			
5299000000	300	1,2	5	260	1	41.15

22 5286.01A

Fierastrau "Coada de vulpe" cu maner inchis din plastic

- *fierastrau pentru taierea lemnului si a plasticului*
- *maner închis din plastic,2 parti*
- *dinti caliti cu trei muchii de taiere pentru o taiere simpla si rapida*
- *posibilitatea masurarii unghiului de 45° si 90° cu ajutorul manerului*



PILANA

	L	S	T			
5286140000	400	0,8	3,60	390	1	**58.09**
5286145000	450	0,8	3,60	430	1	**62.98**
5286150000	500	1,0	3,60	490	1	**67.24**

757

Fierastrau "Coada de vulpe" cu maner inchis din plastic

- *material: lama otel special de scule*
- *maner din polistiren*



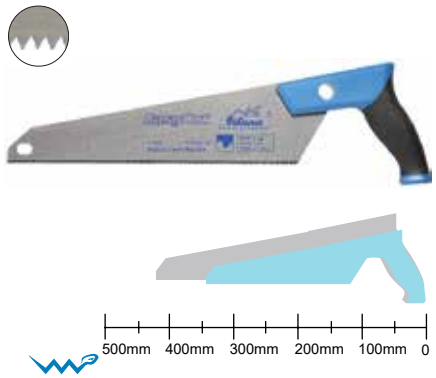
UNIOR

	L1	L				
609423	400	493	408	1C	1	**83.11**

22 5285A

Fierastrau "Coada de vulpe" cu maner deschis

- *fierastrau pentru taierea lemnului si a plasticului*
- *maner deschis din plastic*
- *dinti caliti cu trei muchii de taiere pentru o taiere rapida si simpla*



PILANA

	L	S	T			
5285250000	250	0,8	3,15	190	1	**35.11**
5285315000	315	0,8	3,15	230	1	**40.22**

22 5286.1A

Fierastrau "Coada de vulpe" cu maner inchis

- *fierastrau pentru taierea lemnului si a plasticului*
- *maner închis din plastic*
- *dinti caliti cu trei muchii de taiere pentru o taiere simpla si rapida*
- *posibilitatea masurarii unghiului de 45° si 90° cu ajutorul manerului*



PILANA

	L	S	T			
5286130000	300	0,9	3,6	300	1	**44.90**

22 5291.1A

Fierastrau pentru perforare

- *fierastrau pentru realizarea de gauri in lemn sau in plastic*
- *maner deschis din plastic*
- *dinti caliti cu trei muchii de taiere pentru o taiere simpla si rapida*



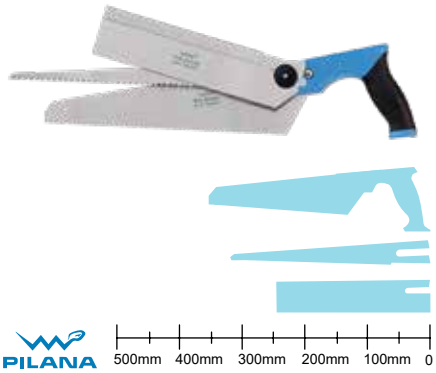
PILANA

	L	S	T			
5291250000	250	1,1	3,20	190	1	**37.45**
5291315000	315	1,1	3,20	200	1	**44.47**

22 5292

Fierastrau "Coada de vulpe" cu trei panze interschimbabile

- *fierastrau universal cu trei panze interschimbabile (pasuitor, fierastrau "Coada vulpe", fierastrau pentru perforare)*
- *dinti necaliti pentru o taiere fina si dreapta, posibilitatea reascutirii*
- *maner traditional din lemn*



PILANA

	L	S	T			
5292000000	250	0,60	2,05	500	1	**81.15**
	315	1,20	3,60			
	315	0,80	3,60			

22 5284

Pasuitor cu lama rotunjita 300 mm

- *fierastrau profesional pentru taierea materialelor cu grosimi mici si medii: lemn, placaj, laminat, materiale plastice, PAL, lamele din polistiren, plastic, HDF, lemn etc.*
- *rotunjit, varf cu dinti pentru strapungere in mijlocul suprafetei piesei de prelucrat*
- *dantura universala fina (12 TPI) special adaptata pentru taierea lemnului cu diametru mic si taierea cu ghidaj pentru taieri unghiulare*
- *dinti intariti (64 HRc) pentru o utilizare indelungata*
- *maner ergonomic inchis, cu doua componente*



PILANA

	L	T			
5284000000	300	12	360	1	**48.52**

22 5283

Pasuitor cu lama dreapta 300 mm

- *fierastrau profesional pentru taierea materialelor cu grosimi mici si medii: lemn, placaj, laminat, materiale plastice, PAL, lamele din polistiren, plastic, HDF, lemn etc.*
- *dantura universala fina (12 TPI) special adaptata pentru taierea lemnului cu diametru mic si taierea cu ghidaj pentru taieri unghiulare*
- *dinti intariti (64 HRc) pentru o utilizare indelungata*
- *maner ergonomic inchis, cu doua componente*



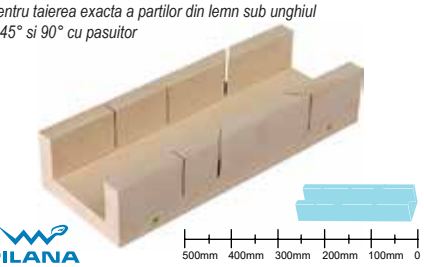
PILANA

	L	T			
5283000000	300	12	350	1	**46.89**

31 6053

Cutie echer

- *pentru taierea exacta a partilor din lemn sub unghiul de 45° si 90° cu pasuitor*



PILANA

	L	H			
3160530000	250	97/65	590	1	**49.51**

27-300653819

Cutie sablon din lemn cu 1 surub reglaj pentru taiere la 45°/90°

- *se utilizeaza la taierea semifabricatelor din lemn la 90° sau la 45° sau oblic*

la 45°, are un surub de prindere semifabricat



Finie

	l	L	H	l			
27-300653819	19	300	65	38	900	1	**118.69**

28-300653819

Cutie sablon din lemn cu 2 suruburi de reglaj pentru taiere la 45°/90°

• se utilizeaza la taierea semifabricatelor din lemn la 90° sau la 45° sau oblic la 45°, are doua suruburi de prindere semifabricat



	I	L	H	I			
28-300653819	19	300	65	38	960	1	**158.00**

26-250553019 NOU

Cutie sablon din lemn cu o singura parte pentru taiere la 45°/90°

• se utilizeaza la taierea semifabricatelor din lemn la 90° sau la 45° sau oblic la 45°, imbinarea se lipeste si se insurubeaza



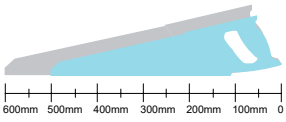
	I	L	W	H			
26-250553019	19	250	55	30	550	1	**83.48**

22 5286.B

Fierastrau coada de vulpe

• fierastrau pentru taierea lemnului si a plasticului
• maner traditional din lemn
• dinti caliti cu trei muchii de taiere pentru o taiere simpla si rapida





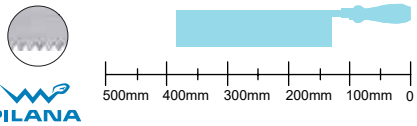
	L	S	T			
5286240000	400	0,8	3,60	430	1	**65.75**
5286250000	500	1,0	3,60	520	1	**74.26**

22 5280

Pasuitor drept

• fierastrau de masa pentru taierea in unghi si taierea transversala a lemnului
• dinti fini, necaliti, pentru o taietura fina si dreapta
• spate armat
• perfect pentru taierea in cutie echer





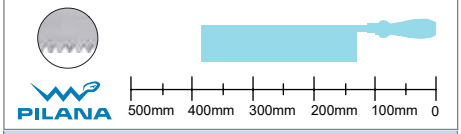
	L	S	T			
5280000000	250	0,65	2,50	170	1	**37.24**

22 5281

Pasuitor cu maner intors

• fierastrau de masa cu maner întors asigura taierea fina si dreapta
• dinti fini necaliti pentru o taietura fina si dreapta
• soliditate mare asigurata de spatele armat





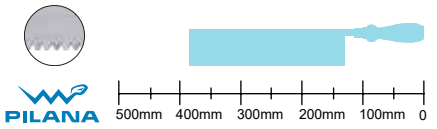
	L	S	T			
5281000000	250	0,65	2,50	250	1	**43.83**

22 5282

Pasuitor cu maner basculant

• fierastrau de masa pentru taierea in spatiu restrans
• maner basculant cu posibilitatea taierii pe partea dreapta sau stanga
• dinti fini necaliti pentru o taiere fina si dreapta
• soliditate mare asigurata de spatele armat



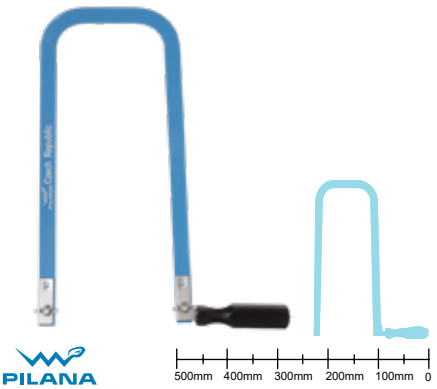


	L	S	T			
5286000000	250	0,65	2,50	290	1	**47.45**

22 5269

Cadru pentru traforaj

• cadru cu maner din plastic pentru lucru mic si exact
• combinatie perfecta impreuna cu panza adecvata pentru taierea lemnului, placajului, plasticului si metalelor
• adancimea cadrului 300 mm



	L	V			
5269000000	120	300		330	1	**27.70**

490002

Placa traforare din lemn de fag

• se monteaza pe bancul de lucru cu ajutorul menghinei
• simplifica traforarea si taierea metalelor, lemnului, plasticului etc.
• dimensiuni: 170 mm x 65 mm x 10 mm



	L	I	H			
490002	250	65	10	68	1	**23.03**

490003

Menghina pentru placa traforare

• dimensiune: 50 mm

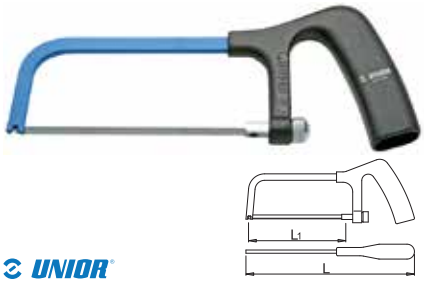


	L			
490003	50	70	1	**25.33**

753P

Fierastrau

• maner de plastic
• lama interschimbabila

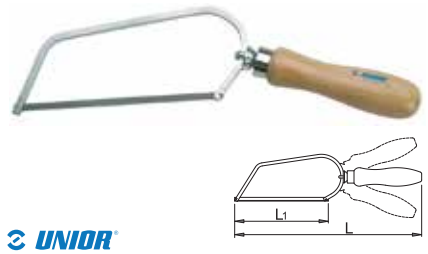


	L1	L				
612164	150	260	192	1Z	1	**66.56**

753W

Fierastrau cu maner reglabil

• maner de lemn
• maner reglabil
• lama interschimbabila



	L1	L				
612163	150	305	127	1Z	10	**45.74**

305100

Fierastrau cu maner fix

• fierastrau PUK Junior cu maner fix din lemn de fag
• rama zincata, din otel rotund de 6 mm
• prevazut cu o panza de fierastrau universala PUK 310, 150 mm

PUK 305



	L	I			
305100	290	6	127	1	**52.13**

306125

Fierastrau cu maner fix

- *fierastrau PUK Junior cu maner fix din plastic*
- *rama brunata, din otel rotund de 6 mm*
- *prevazut cu o panza de fierastrau universala PUK 310, 150 mm*

PUK 2000



JOSEF HAUNSTETTER

	L			
306125	240	126	1	48.03

308150

Fierastrau cu maner fix

- *rama brunata, din otel rotund de 6 mm*
- *prevazut cu o panza de fierastrau universala PUK 310, 150 mm*

PUKY



JOSEF HAUNSTETTER

	L			
308150	260	98	1	21.80

150100

Fierastrau cu maner fix

- *rama brunata, din otel rotund de 6 mm*
- *prevazut cu o panza de fierastrau universala PUK 310, 150 mm*



JOSEF HAUNSTETTER

	L			
150100	260	170	1	66.16

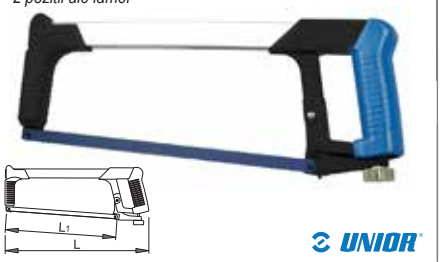




750B

Cadru bomfaier

- *constructie usoara cu design al manerului ergonomic*
- *rama cromata, maner vopsit albastru*
- *2 pozitii ale lamei*



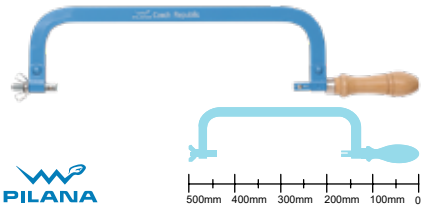
UNIOR

	L	L1				
621531	400	300	731	1Z	1	144.59

22 2956

Cadru bomfaier pentru metale

- *cadru masiv din otel plat*
- *combinatia perfecta, impreuna cu panza de fierastrau, pentru taierea otelului, a neferoaselor si a plasticului*
- *posibilitatea montarii tuturor sortimentelor de panze si de orice latime*



PILANA

	L	V			
2956000000	300	115	620	1	46.89

22 2957

Cadru bomfaier - ALU Profil

- *fierastrau profesional avand cadrul din aliaj de aluminiu*
- *mecanism de întindere pentru înlocuirea usoara a panzei*
- *posibilitatea prinderii panzei chiar si sub un unghi de 45°*
- *panza de rezerva, latimea de 13 mm*
- *magazie pentru 10 panze*



PILANA

	L	V			
2957000000	300	158	640	1	80.16

2955.1 NOU

Cadru bomfaier

- *cadru masiv, de inalta calitate*
- *impreuna cu lama este potrivit pentru taierea otelului, materialelor neferoase, otelului inoxidabil si materialelor plastice*
- *posibilitate de prindere de toate tipurile si latimi de panze - 300 mm lungime in latimi 13, 20 si 25 mm cu dantura unilaterala sau dubla*
- *greutatea cadrului 0,350 kg*



PILANA

	L	V			
2955100000	300	158	350	6	33.61

2955 NOU

Cadru bomfaier cu panza

- *cadru masiv, de inalta calitate*
- *impreuna cu lama este potrivit pentru taierea otelului, materialelor neferoase, otelului inoxidabil si materialelor plastice*
- *posibilitate de prindere de toate tipurile si latimi de panze - 300 mm lungime in latimi 13, 20 si 25 mm cu dantura unilaterala sau dubla*
- *greutatea cadrului 0,350 kg*



PILANA

	L	V			
2955000000	300	158	350	6	36.39

MP-01

Mini-bomfaier 300 mm

- *forma de prezentare este de tip blister cartonat cu agatare in partea superioara, produsul fiind solidarizat de blister cu prindere din plastic prin panza.*
- *marcajele sunt vizibile, Made in Czech Republic. EAN*
- *usurinta in utilizare in spatii greu accesibile*
- *maner ergonomic asigurand confort si protectie in timpul taierii*
- *prinderea lamei de maner este metalica asigurand o rezistenta crescuta*
- *panza este bi-metal, fiind flexibila si solida*
- *lungime maner :200mm*
- *lungime totala: 320mm*
- *specificatii lama : 300x13x0.65 mm - Bi-Metal , 24TPI*



Pilana METAL

	L			
MP-01	300	240	1	32.75

HH-01

Mini-bomfaier 300 mm

- *panza din otel carbon cu doua danturi diferite (una pentru metal si a doua pentru plastic)*
- *maner usor*
- *produsul DIY utilizat in principal pentru lucrari mici*



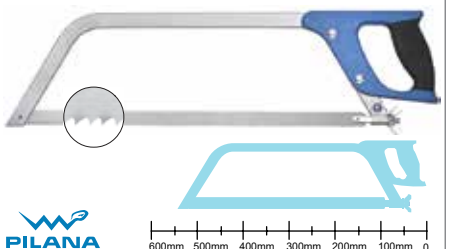
Pilana METAL

	L			
HH-01	300	270	1	18.52

22 5257

Fierastrau de macelarie

- *fierastrau de macelarie pentru taierea oaselor in industria de carne*
- *cadru din otel plat masiv*
- *componente cromate*
- *maner din plastic*
- *panza de rezerva din otel, cod 22 5256*



PILANA

	L	V			
5257000000	450	158	790	1	83.61

22 5256

Panze pentru fierastrau de macelarie

• *pas optimal pentru taierea simpla si rapida*



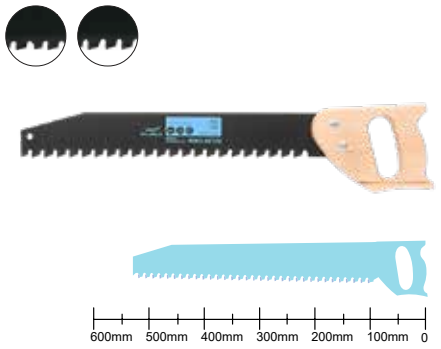
PILANA

	L	H	T			
5256000000	450	20	2,5	50	1	**17.70**

22 5287

Fierastrau "Coada de vulpe" cu placute din carbura metalica

• *fierastrau profesional pentru taierea BCA-ului*
• *panza dura si lunga din otel*
• *placutele de taiere din carbura metalica asigura performanta inalta de taiere de lunga durata*
• *posibilitatea variantei economice cu placute pe fiecare al doilea dinte*
• *maner din lemn masiv*



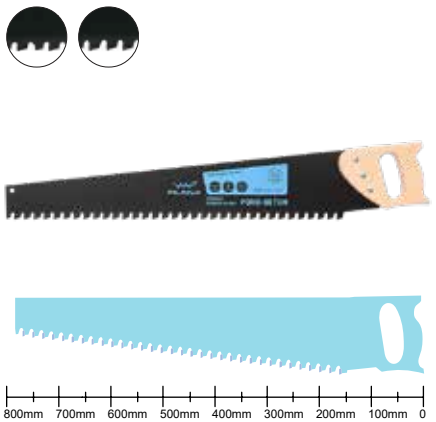
PILANA

	Z	L	B			
5287114500	11	450	3,00	540	1	**110.85**
5287224500	21	450	3,00	540	1	**130.45**

22 5289

Fierastrau "Coada de vulpe" cu placute din carbura metalica

• *fierastrau profesional pentru taierea BCA-ului*
• *panza din otel dur*
• *placutele de taiere din carbura metalica care asigura performanta inalta de taiere pe un termen lung*
• *posibilitatea variantei economice cu placute pe fiecare al doilea dinte*
• *maner din lemn masiv*



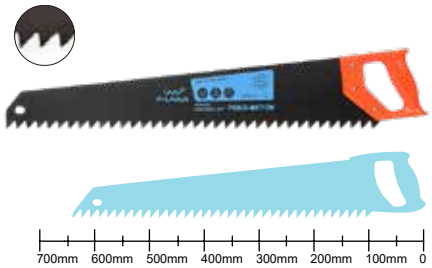
PILANA

	Z	L	B			
5289176300	17	630	3,00	1160	1	**188.05**
5289346300	34	630	3,00	1160	1	**222.30**

22 5288

Fierastrau "Coada de vulpe" fara placute din carbura metalica

• *fierastrau pentru taierea BCA-ului*
• *panza din otel foarte lunga, cu dinti separati*
• *maner inchis din plastic*
• *posibilitatea masurarii unghiului de 45° si 90° cu ajutorul manerului*



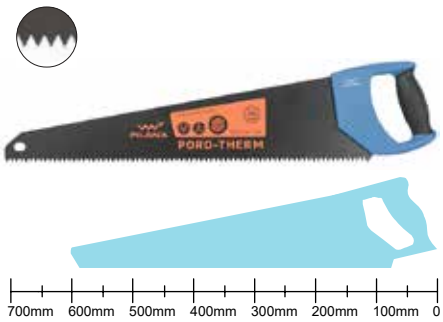
PILANA

	Z	L	B			
5288630000	34	630	1,20	640	1	**125.50**

22 5290

Fierastrau pentru caramida cu goluri PORO-THERM

• *fierastrau de mana profesional proiectat pentru taierea caramizilor cu goluri (POROTHERM)*
• *dinti durificati (64 HRC)*
• *maner ergonomic cu doua componente, inchis*



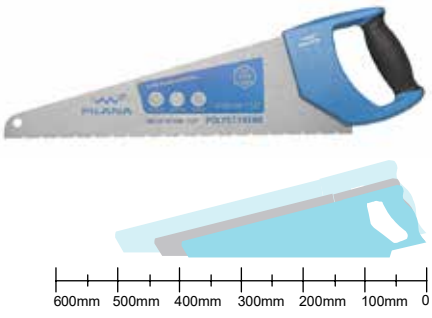
PILANA

	Z	L	B			
5290600000	78	600	8,10	640	1	**102.95**

22 5293

Fierastrau pentru polistiren si izolatii

• *fierastrau de mana profesional proiectat pentru taierea materialelor de izolare (polistiren extrudat XPS, polistiren expandat EPS, vata minerala, poliuretan (PUR), spuma*
• *maner ergonomic cu doua componente, inchis*



PILANA

	L			
5293040000	400	340	1	**56.67**
5293045000	450	370	1	**61.14**
5293050000	500	480	1	**65.40**

22 5279 NOU

Fierastrau "Coada de vulpe" cu placute din carbura metalica

• *fierastrau profesional pentru taierea BCA-ului*
• *panza din otel dur*
• *placutele de taiere din carbura metalica care asigura performanta inalta de taiere pe un termen lung*
• *varianta economica cu placute pe fiecare al doilea dinte Z17*
• *maner inchis ergonomic din plastic*



PILANA

	Z	L	B			
5279176300	17	630	3,00	1160	1	**188.05**
5279346300	34	630	3,00	1160	1	**222.30**

7002 NOU

Fierastrau pentru izolatii IsoCut

• *fierastrau Iso Cut pentru taierea profesionala a izolatiei*
• *cu design ergonomic si protectie la oxidare, aceasta noua unealta garanteaza o taiere precisa*
• *utilizare simpla si sigura*
• *potrivit pentru: izolatiile conductelor, izolatie din fibra de sticla izolatie din spuma expandabila, placi izolatoare din spuma, izolatie din spuma*







cutBRIK PORTUGAL

cutBRIK PORTUGAL STANDARD

	Lmm	Linch	Ømm		
7002-350	350	14"		640	**71.15**



SURUBELNITE

Manere cu design ergonomic

La calitatea superioara a materialelor folosite pentru gama de surubelnite Unior se adauga manere de conceptie ergonomica care permit o excelenta calitate a prizei.

Manere tri material

Multumita asocierii suprafetelor rigide cu cele mai moi, manerul special cu trei componente (brevetat Unior) permite o folosire eficace si confortabila care solicita putin incheietura in timpul lucrului

Priza antiderapanta

Concepute pentru a se adapta la o mare varietate de profile de suruburi si avand un maner din tricomponent, surubelnitele Unior asigura o mare eficacitate si o priza anti alunecare.

UNIOR narex BYSTŘICE

Manerele TBI pentru surubelnite sunt compuse din trei straturi, dupa cum urmeaza:

Strat 1: Polipropilena neagra, care inconjoara axul surubelnitei si care este extrem de dura, prevenind rotirea axului in maner la cupluri mari

Strat 2: Polipropilena albastra, care inconjoara primul strat. Este foarte rigid si asigura forma constanta a manerului fata de diverse solicitari exterioare.

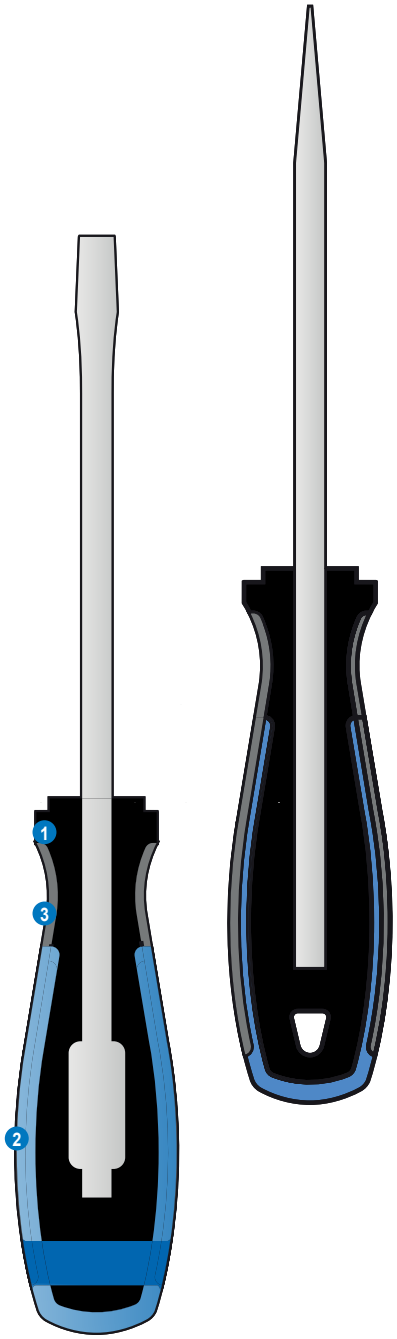
Strat 3: TPE gri (elastomer termoplastic) care inconjoara partial stratul 2 al manerului, este un material de rezistenta medie care da manerului forma finala ergonomica, asigura o prindere placuta si aderenta si - consecinta - realizarea unor cupluri mari.

Capabile sa se potriveasca cu o varietate mare de profiluri de surubelnita si avand manerele tri-component, surubelnitele Unior asigura o eficienta sporita si o prindere antiderapanta

Surubelnitele sunt facute din otel crom-vanadiu-molybden si sunt in plus cromate sau nichelate. Calitatea superioara a materialelor folosite in linia Unior de surubelnite este complementata de manerele ergonomice care furnizeaza o prindere excelenta.

Cu combinatia de suprafete dure si moi, manerele speciale din trei componente - un patent Unior - asigura confortul si performanta eficienta cu tensiuni minime asupra incheieturii in timpul lucrului.

Impreuna cu consistenta variata a manerului de plastic, practic eliminand riscul de alunecare a surubelnitei in mana, prinderea imbunatatita asigura de asemenea si un cuplu sporit. Acesta poate fi obtinut si prin introducerea unei tije in perforatia facuta in acest scop in toate manerele, gaura care poate fi folosita si la agatarea la depozitare.



Cuplu de strangere mai mare

Nu numai ca materialul compozit al manerului elimina practic orice risc de alunecare a surubelnitei in mana, dar cea mai buna calitate a prizei obtinuta in acest fel este obtinerea unui cuplu de strangere mai mare. Acelasi efect poate fi obtinut de asemenea (cu exceptia manerelor de lemn) inserand o tija in gaura adaugata in acest scop tuturor manerelor noastre si care poate de asemenea servi la o mai buna organizare prin suspendare

Surubelnite drepte 359
Surubelnite in cruce 360
Surubelnite cu profil PZ 361
Surubelnite cu cap sferic si pentru cap hexagonal 362
Surubelnite TORX 362
Surubelnite cu cap tubular 362
Truse surubelnite 363
Magnetizator 364



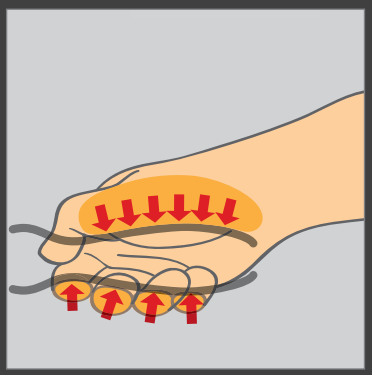
MANER ERGONOMIC

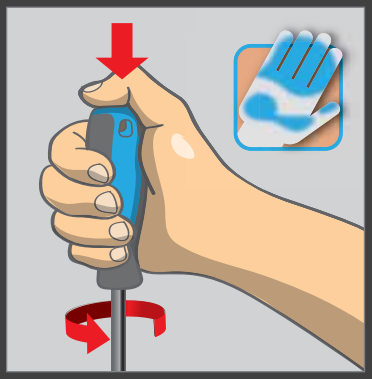
Combinatia de suprafete dure si moi imbunatateste factorul de incarcare si asigura insurubarea usoara. Manerul a fost conceput in asa fel incat are grija de sanatatea utilizatorului pentru ca reduce tensiunea in muschii mainii



Suprafata maximala de contact a mainii = valoare de cuplu superioara



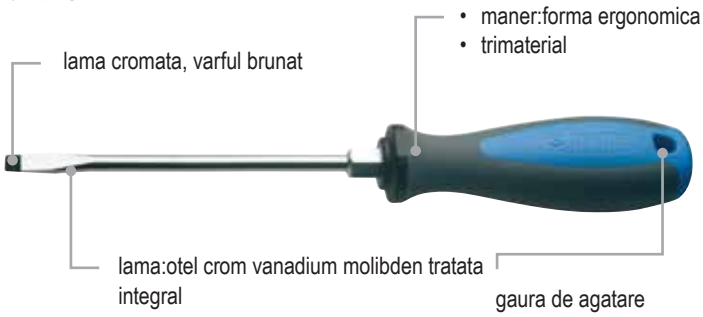




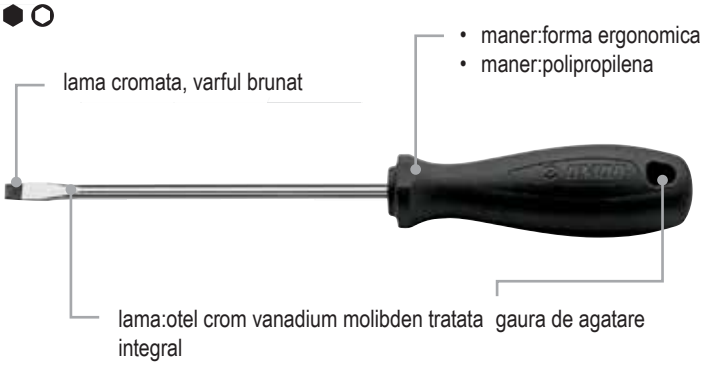
Conceptia ergonomic a manerului = protejarea mainii

Caracteristicile surubelnitelor Unior

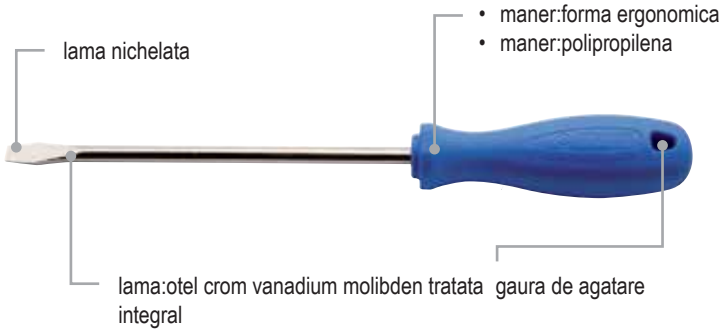










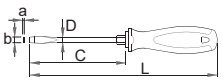


600TBI

Surubelnita lata, mecanica cu hexagon maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 2380-1,2*





UNIOR

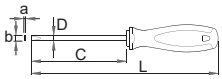
	a x b	C	L	D	⬢		4B		
611680	1.0 x 5.5	100	200	5	8	68	4B	10	38.03
611681	1.2 x 6.5	125	235	6	10	103	4B	10	49.84
611682	1.2 x 8.0	150	270	7	13	143	4B	5	59.84
611683	1.6 x 10.0	175	295	8	13	171	4B	5	66.56

602TBI

Surubelnita lata pentru electricieni maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*





UNIOR

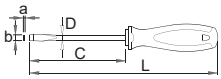
	a x b	C	L	D				
612797	0.4 x 2.5	60	145	2.5	33	4B	10	20.98
612798	0.4 x 2.5	75	160	2.5	33	4B	10	21.31
611684	0.5 x 3.0	100	185	3	37	4B	10	21.80
612800	0.6 x 3.5	100	185	3.5	39	4B	10	26.23
612801	0.8 x 4.0	100	185	4	43	4B	10	26.56
612803	0.8 x 4.0	250	335	4	56	4B	10	33.77
612804	1.0 x 5.5	125	225	5.5	75	4B	10	36.39

605TBI

Surubelnita lata, maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 2380-1,2*





UNIOR

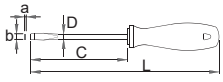
	a x b	C	L	D				
612810	0.4 x 2.5	60	145	2.5	33	4B	10	20.98
611687	0.4 x 2.5	75	160	2.5	34	4B	10	21.15
611688	0.5 x 3.0	80	165	3	35	4B	10	21.31
612811	0.5 x 3.0	100	185	3	37	4B	10	21.64
611689	0.5 x 3.0	125	210	3	37	4B	10	22.95
612813	0.6 x 3.5	75	160	3.5	37	4B	10	24.43
611690	0.6 x 3.5	100	185	3.5	39	4B	10	24.92
611692	0.8 x 4.0	100	185	4	41	4B	10	25.57
612814	0.8 x 4.0	125	210	4	44	4B	10	26.72
611693	0.8 x 4.0	150	235	4	46	4B	10	29.51
612816	1.0 x 5.5	100	200	5	68	4B	10	33.44
611694	1.0 x 5.5	125	225	5.5	70	4B	10	33.44
611695	1.0 x 5.5	150	250	5	74	4B	10	33.77
612817	1.2 x 6.5	100	210	6	93	4B	10	41.15
612818	1.2 x 6.5	125	235	6	98	4B	10	41.97
611696	1.2 x 6.5	150	260	6	103	4B	10	41.48
611697	1.2 x 6.5	200	310	6	115	4B	10	48.85
611698	1.2 x 8.0	175	295	7	143	4B	5	49.34
612819	1.6 x 8.0	175	295	7	143	4B	5	51.31
611699	1.6 x 10.0	200	320	8	173	4B	5	57.87
611700	2.0 x 12.0	250	370	9	223	4B	5	78.52

605CR

Surubelnita lata, maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *maner-polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 2380-1,2*





UNIOR

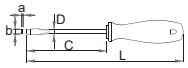
	a x b	C	L	D				
616338	0.4 x 2.5	60	145	2.5	33	4B	10	12.79
616339	0.4 x 2.5	75	160	2.5	34	4B	10	12.79
616340	0.5 x 3.0	80	165	3	35	4B	10	14.92
616341	0.5 x 3.0	100	185	3	37	4B	10	15.08
616342	0.5 x 3.0	150	235	3	39	4B	10	17.05
616343	0.6 x 3.5	75	160	3.5	37	4B	10	16.39
616344	0.6 x 3.5	100	185	3.5	39	4B	10	16.39
616345	0.6 x 3.5	125	210	3.5	40	4B	10	17.05
616346	0.8 x 4.0	100	185	4	41	4B	10	18.03
616347	0.8 x 4.0	125	210	4	44	4B	10	18.69
616348	0.8 x 4.0	150	235	4	46	4B	10	19.18
616349	0.8 x 4.0	200	285	4	53	4B	10	22.62
616350	1.0 x 5.5	100	200	5	68	4B	10	22.46
616351	1.0 x 5.5	125	225	5	70	4B	10	22.46
616352	1.0 x 5.5	150	250	5	74	4B	10	22.95
616353	1.2 x 6.5	100	200	6	93	4B	10	26.07
616354	1.2 x 6.5	125	225	6	98	4B	10	26.07
616355	1.2 x 6.5	150	250	6	103	4B	10	26.56
616356	1.2 x 8.0	175	285	7	143	4B	5	34.10
616357	1.6 x 8.0	175	285	7	143	4B	5	34.10
616358	1.6 x 10.0	200	320	8	173	4B	5	44.59
616359	2.0 x 12.0	250	370	9	223	4B	5	65.57

605NI

Surubelnita lata, maner polipropilena, nichelata

- *lama: otel crom vanadium molibden tratata integral*
- *lama nichelata*
- *maner: forma ergonomica*
- *maner-polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 2380-1,2*





UNIOR

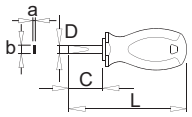
	a x b	C	L	D		
616419	0.4 x 2.0	60	150	2	33	**9.51**
616420	0.4 x 2.5	75	160	2.5	34	**9.51**
616421	0.5 x 3.0	80	165	3	35	**10.16**
616422	0.6 x 3.5	100	185	3.5	39	**12.46**
616423	0.8 x 4.0	100	185	4	41	**14.43**
616424	1.0 x 5.5	125	225	5	70	**17.05**
616425	1.2 x 6.5	150	250	6	103	**20.98**
616426	1.2 x 8.0	175	285	8	143	**26.89**
616427	1.6 x 10.0	200	320	10	173	**37.87**

627TBI

Surubelnita lata, varianta Stubby maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 2380-1,2*





UNIOR

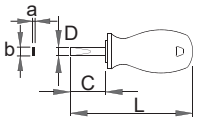
	a x b	C	L	D		
612832	0.6 x 3.5	25	87	3.5	33	**23.61**
612833	0.8 x 4.0	25	87	4	41	**24.26**
612834	1.0 x 5.5	25	87	5.5	40	**24.43**
612835	1.2 x 6.5	25	87	6.5	34	**24.75**

627CR

Surubelnita lata, varianta Stubby maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 2380-1,2*





UNIOR

	a x b	C	L	D		
616399	0.8 x 4.0	25	85	4	37	**15.90**
616400	1.0 x 5.5	25	85	5.5	41	**17.21**
616401	1.2 x 6.5	25	85	6.5	43	**17.70**

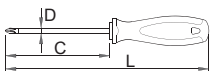


615TBI

Surubelnita profil Phillips (PH) maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

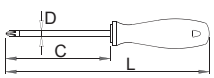
	+	C	L	D				
611701	PH 0	60	145	3	34	4B	10	**20.82**
611702	PH 1	80	180	4.5	60	4B	10	**29.51**
611703	PH 1	200	300	4.5	74	4B	10	**36.07**
611704	PH 2	100	210	6	94	4B	10	**39.02**
611705	PH 2	150	260	6	104	4B	10	**40.82**
611706	PH 2	200	310	6	114	4B	5	**49.02**
611707	PH 3	150	270	8	154	4B	5	**50.66**
611708	PH 4	200	320	10	230	4B	5	**70.66**

615CR

Surubelnita profil Phillips (PH) maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

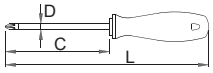
	+	C	L	D				
616363	PH 0	60	145	3	34	4B	10	**14.43**
616364	PH 1	80	165	4.5	60	4B	10	**17.70**
616365	PH 1	200	285	4.5	74	4B	10	**21.97**
616366	PH 2	100	200	6	94	4B	10	**24.10**
616367	PH 2	150	250	6	104	4B	10	**26.07**
616368	PH 3	150	260	8	154	4B	5	**35.57**
616369	PH 4	200	320	10	230	4B	5	**58.20**

615NI

Surubelnita profil Phillips (PH) maner polipropilena, nichelata

- *lama: otel crom vanadium molibden tratata integral*
- *lama nichelata*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

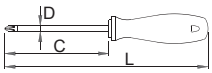
	+	C	L	D				
616428	PH 0	60	145	3	34	4B	10	**12.46**
616429	PH 1	80	165	4.5	60	4B	10	**15.08**
616430	PH 2	100	200	6	94	4B	10	**20.82**
616431	PH 3	150	260	8	154	4B	5	**30.16**

612CR

Surubelnita profil Phillips (PH) pentru electricieni, maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*





UNIOR

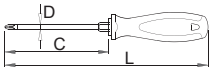
	+	C	L	D				
616360	PH 1	280	365	4.5	67	4B	5	**29.51**
616361	PH 2	200	300	6	98	4B	10	**36.89**
616362	PH 2	280	380	6	113	4B	5	**41.97**

616TBI

Surubelnita profil Phillips (PH), mecanica cu hexagon maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

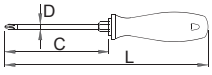
	+	C	L	D	⬢				
611709	PH 1	80	180	4.5	8	60	4B	10	**35.41**
611710	PH 2	100	210	6	10	94	4B	10	**44.26**

616CR

Surubelnita profil Phillips (PH), mecanica cu hexagon maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

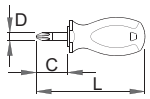
	+	C	L	D	⬢				
616370	PH 1	80	180	4.5	8	60	4B	10	**24.75**
616371	PH 2	100	210	6	10	94	4B	10	**31.97**
616372	PH 3	150	270	8	13	154	4B	5	**49.18**

626TBI

Surubelnita profil Phillips (PH) varianta Stubby, maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

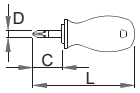
	+	C	L	D				
612830	PH 1	25	87	4.5	37	4B	10	**23.61**
612831	PH 2	25	87	6	41	4B	10	**24.43**

626CR

Surubelnita profil Phillips (PH) varianta Stubby, maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

	+	C	L	D				
616397	PH 1	25	85	4.5	37	4B	10	**16.39**
616398	PH 2	25	85	6	41	4B	10	**17.38**

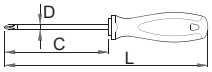


625TBI

Surubelnita profil Pozidrive (PZ) maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

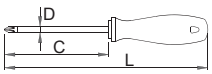
	+	C	L	D				
611741	PZ 0	60	145	3	34	4B	10	**20.66**
611742	PZ 1	80	180	4.5	60	4B	10	**28.36**
611743	PZ 2	100	210	6	93	4B	10	**36.07**
611744	PZ 3	150	270	8	156	4B	5	**46.56**

625CR

Surubelnita profil Pozidrive (PZ) maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

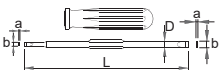
	+	C	L	D				
616393	PZ 0	60	145	3	34	4B	10	**15.08**
616394	PZ 1	80	165	4.5	60	4B	10	**17.21**
616395	PZ 2	100	200	6	93	4B	10	**23.61**
616396	PZ 3	150	260	8	156	4B	5	**34.92**

636

Surubelnita reversibila maner polipropilena, nichelata

- *lama: otel crom vanadium molibden tratata integral*
- *lama nichelata*
- *maner: forma ergonomica*
- *maner: polipropilena*





UNIOR

	a x b	+	L	D				
608922	1.0 x 6.0	PH 2	140	6	42	1E	10	**20.49**

636TX

Tija cu varfuri TORX reversibila

- *lama: otel crom vanadium molibden tratata integral*
- *lama nichelata*



UNIOR

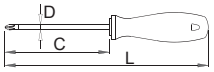
620399	TX 20	TX 25	46	1E	10	13.61

625NI

Surubelnita profil Pozidrive (PZ) maner polipropilena, nichelata

- *lama: otel crom vanadium molibden tratata integral*
- *lama nichelata*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

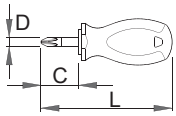
		C	L	D			
616433	PZ 1	80	165	4.5	60	4B	10	14.59
616434	PZ 2	100	200	6	93	4B	10	20.16

628TBI

Surubelnita profil Pozidrive (PZ) varianta Stubby, maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

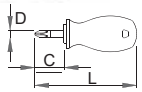
		C	L	D			
612838	PZ 2	25	87	6	41	4B	10	24.92

628CR

Surubelnita profil Pozidrive (PZ) varianta Stubby, maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2*





UNIOR

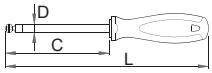
		C	L	D			
616403	PZ 2	25	85	6	41	4B	10	17.38

620TBI

Surubelnita profil hexagon cu cap sferic, maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*





UNIOR

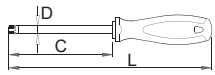
		C	L	D			
611715	2	65	150	3	34	4B	10	27.05
611716	2.5	75	160	3	34	4B	10	27.05
611717	3	75	160	3.5	37	4B	10	30.00
611718	4	100	200	5	68	4B	10	39.67
611719	5	100	210	6	93	4B	10	46.72

621TBI

Surubelnita profil TORX® (TX) maner trimaterial TBI, cromata

- *lama: otel crom vanadiu molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*





UNIOR

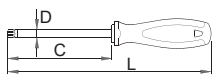
		C	L	D			
611722	TX 6	60	145	3	34	4B	10	23.61
611723	TX 7	60	145	3	34	4B	10	23.61
611724	TX 8	60	145	3	34	4B	10	23.61
611725	TX 9	60	145	3	34	4B	10	23.61
611726	TX 10	80	165	3	35	4B	10	23.61
611727	TX 15	80	165	3	37	4B	10	26.07
611728	TX 20	100	185	4	43	4B	10	27.38
611729	TX 25	100	200	4.5	63	4B	10	33.44
611730	TX 27	115	215	5.5	76	4B	10	36.56
611731	TX 30	115	225	6	98	4B	10	42.95
611732	TX 40	130	250	7	130	4B	10	52.30

621/1TBI

Surubelnita profil TORX® (TX) pentru suruburi cu pin maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*





UNIOR

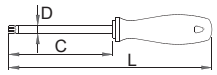
		C	L	D			
611734	TR 10	80	165	3	35	4B	10	55.57
611735	TR 15	80	165	3.5	37	4B	10	57.87
611736	TR 20	100	185	4	43	4B	10	58.85
611737	TR 25	100	200	4.5	63	4B	10	70.16

621CR

Surubelnita profil TORX® (TX) maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*





UNIOR

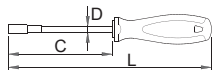
		C	L	D				
616379	TX 6	60	145	3	34	4B	10	17.70
616381	TX 8	80	165	3	34	4B	10	17.70
616382	TX 9	80	165	3	34	4B	10	17.70
616383	TX 10	80	165	3	35	4B	10	17.70
616384	TX 15	80	165	3.5	37	4B	10	18.36
616385	TX 20	100	185	4	43	4B	10	20.00
616386	TX 25	100	185	4.5	63	4B	10	21.48
616387	TX 27	115	215	5.5	76	4B	10	26.07
616388	TX 30	115	215	6	98	4B	10	28.20
616389	TX 40	130	240	7	130	4B	10	37.38

629TBI

Surubelnita profil hexagon interior 6 laturi maner trimaterial TBI, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *conform cu standardul DIN 3125*





UNIOR

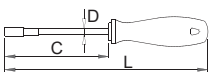
		C	L	D			
612672	5.5	125	235	6	103	4B	10	58.85
611747	6	125	235	6	103	4B	10	58.85
611748	7	125	245	6	123	4B	5	66.23
611749	8	125	245	7	140	4B	5	66.89
611750	9	125	245	8	155	4B	5	67.70
611751	10	125	245	8	157	4B	5	69.34
611752	11	125	245	8	166	4B	5	76.39
611753	12	125	245	9	184	4B	5	83.28
611754	13	125	245	9	186	4B	5	86.07

629CR

Surubelnita profil hexagon interior 6 laturi maner polipropilena, cromata

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*





UNIOR

		C	L	D			
616408	6	125	225	6	103	4B	10	46.72
616409	7	125	235	6	123	4B	10	51.80
616410	8	125	235	7	140	4B	10	52.46
616411	10	125	235	8	157	4B	10	55.25
616414	13	125	245	9	186	4B	10	69.02

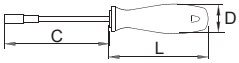
8365 NOU

Surubelnita profil hexagon interior 6 laturi maner bimaterial, cromata

- *surubelnita pentru asamblare si reparatii în conditii dificile integral*
- *lama otel puternic aliat tratat, suprafata cromata, partea de lucru finisaj negru*
- *maner ergonomic cu sectiune transversala rotunda*
- *miez dur PP, capac moale TPE*
- *gaura de agatare*



narex



	C	L	D		
836505	5.5	125	90	29	92	42.34
836506	6	125	90	29	103	42.34
836507	7	125	90	29	123	45.89
836508	8	125	100	34	140	48.47
836509	9	125	100	34	150	51.34
836510	10	125	100	34	157	51.34
836511	11	125	110	37	166	55.48
836513	13	125	110	37	186	59.68

629CS5TBI

Set surubelnite profil hexagon interior 6 laturi maner trimaterial TBI, cromate



UNIOR

612318	6 - 13 / 5	881	1G	1	364.43

629TBI (6, 8, 10, 12, 13)

600CS5TBI

Set surubelnite mecanice cu hexagon maner trimaterial TBI, cromate



UNIOR

614007	5	475	1G	1	193.11

605TBI (0.8 x 4.0 x 100),
600TBI (1.0x5.5x100, 1.2x6.5x125),
616TBI (PH 1 x 80, PH 2 x 100)

606CS5TBI

Set surubelnite late, maner trimaterial TBI, cromate



UNIOR

616320	5	500	1G	1	171.15

605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175)

606B5NI

Set surubelnite late, maner polipropilena, nichelate



UNIOR

617033	5	380	1G	1	72.95

605NI (0.4 x 2.0 x 60, 0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150)

606CS5CR

Set surubelnite combinate, maner polipropilena, cromate



UNIOR

617017	5	475	1G	1	116.07

605CR (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175)

607B5CR

Set surubelnite combinate, maner polipropilena, cromate



UNIOR

617021	5	400	1G	1	99.02

605CR (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.2 x 6.5 x 150),
615CR (PH1 x 80, PH 2 x 100)

607B5NI

Set surubelnite combinate, maner polipropilena, nichelate



UNIOR

617037	5	400	1G	1	81.64

605NI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.2 x 6.5 x 150), 615NI (PH 1 x 80, PH 2 x 100)

607CS5TBI

Set surubelnite combinate, maner trimaterial TBI, cromate



UNIOR

611985	5	470	1G	1	168.69

605TBI (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 615TBI (PH 1 x 80, PH 2 x 100)

607CS7TBI

Set surubelnite combinate, maner trimaterial TBI, cromate



611986	7	650	1G	239.51

605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175)
615TBI (PH 1 x 80, PH 2 x 100)

608CS5TBI

Set surubelnite combinate, maner trimaterial TBI, cromate



612326	5	546	1G	1	175.90

615TBI (PH0x60, PH1 x 80, PH2 x 100, PH3 x 150), **625TBI** (PZ2 x 100)

609CS7CR

Set surubelnite combinate, maner polipropilena, cromate



IN LIMITA STOCULUI

617030	7	681	1G	1	176.89

605CR (0.8x4.0x100, 1.0x5.5x125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175),
625CR (PZ 1 x 80, PZ 2 x 100, PZ 3 x 150)

608CS5CR

Set surubelnite profil Phillips (PH), maner polipropilena, cromate



617028	5	630	1G	1	149.67

615CR (PH 0 x 60, PH 1 x 80, PH 2 x 100, PH 3 x 150, PH 4 x 200)

607CS7CR

Set surubelnite combinate, maner polipropilena, cromate



617026	7	700	1G	1	178.20

605CR (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175),
615CR (PH1x80, PH2x100, PH3x150)

621CS7TBI

Set surubelnite TORX®, maner trimaterial TBI, cromate



612300	TX 10-TX 40 / 7	580	1G	1	242.30

621TBI (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

608CS5NI

Set surubelnite combinate, maner polipropilena, nichelate



IN LIMITA STOCULUI

617041	5	485	1G	1	103.44

615NI (PH 0x60, PH 1 x 80, PH 2 x 100, PH 3 x 150),
625NI (PZ 2 x 100)

609CS5TBI

Set surubelnite combinate, maner trimaterial TBI, cromate



611987	5	475	1G	1	164.92

605TBI (0.8x4.0x100, 1.0x5.5x 125, 1.2x6.5x150), **625TBI** (PZ1x80, PZ2x100)

621CS7CR

Set surubelnite TORX®, maner polipropilena, cromate



617031	TX 10 - TX 40 / 7	535	1G	1	168.85

621CR (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40)

607PB9TBI

Set surubelnite combinate, maner trimaterial TBI, cromate

- *dimensiunea cutiei : 307 x 260 x 55 mm*



UNIOR

621419	9	1030	1G	1	**454.75**

605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), **615TBI** (PH 1 x 80, PH 2 x 100), 625TBI (PZ 0 x 60, PZ 1 x 80, PZ 2 x 100), **981PBS2** (307 x 260 x 55)

607PB8TBI

Set surubelnite combinate, maner trimaterial TBI, cromate

- *dimensiunea cutiei : 307 x 260 x 55 mm*



UNIOR

621445	8	1060	1F	1	**417.70**

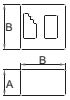
602TBI (0.5 x 3.0 x 100), **605TBI** (0.8 x 4.0 x 100, 1.0x5.5x125, 1.2x6.5x150), 615TBI (PH 1 x 80, PH2x100), **625TBI** (PZ 1 x 80, PZ 2 x 100), **981PBS2** (307 x 260 x 55)

633

Magnetizator / demagnetizator

- *material: ABS*
- *culoare albastră*
- *folosiți magnetizatorul pentru a magnetiza vârful șurubelniței, astfel încât șuruburile să se lipească de vârf*
- *magnetizați vârful împingând vârful și tija șurubelniței prin orificiul magnetizatorului marcat cu +*
- *varful șurubelniței va fi magnetizat imediat.*
- *varful poate fi demagnetizat prin împingerea vârfului și a tijei in orificiul magnetizatorului marcat cu – și prin frecarea ușoara a peretelui interior al orificiului.*
- *durata magnetizării depinde de zona de utilizare*
- *dacă o șurubelniță magnetizată este utilizată într-o încăpere in care liniile câmpului magnetic sunt mai puternice (de exemplu, dulap electric), vârful se demagnetizează mai repede*
- *intr-un mediu normal, magnetizarea durează mai mult.*
- *magnetizatorul este utilizat pentru fixarea șuruburilor cu șurubelnițe, unde șurubul nu poate fi aliniat direct cu orificiul, dar poate fi plasat în orificiu sau pe punctul de înșurubare cu vârful șurubelniței*
- *același lucru este valabil și pentru desfacere, deoarece șurubul poate fi scos cu ușurință dintr-o zonă în care există spațiu limitat*
- *varful magnetizat poate servi și pentru ridicarea obiectelor metalice mici din locuri greu accesibile, care altfel nu ar fi accesibile cu mâinile.*





UNIOR

612866	52	30	91	1E	10	**81.31**



BITI SI ACCESORII

STANDARD
versiune frezata pentru aplicatii Hexagon si Torx Tamper (suruburi de siguranta)

TORSION (frezat)
versiune frezata pentru aplicatii soft (de exemplu lemn moale), cuplu bun, aproximativ 90% peste standardul DIN, fara acoperire

TORSION (forjat)
versiune forjata pentru aplicaţti grele (de ex. metal, lemn de esenta tare) cuplu bun, aproximativ 110% peste standardul DIN, fara acoperire

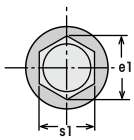
DIAMOND Titan TiN IMPACT
versiune forjata pentru toate masinile Impact / Impuls / Percutie; material special; tratament termic special; acoperire cu titan pentru o duritate ridicata a suprafetei 92 pana la 95 HRc; cuplu cu aproximativ 130% peste standardul DIN

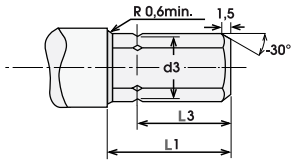
Titan TIN
versiune frezata pentru aplicatii soft (de exemplu, lemn moale); acoperire cu titan pentru o duritate ridicata a suprafetei 92 pana la 95 HRc si rezistenta la uzura; cuplu cu aproximativ 115% peste standardul DIN

IMPACT TORSION
versiune forjata pentru toate masinile Impact / Impuls / Percutie; fara acoperire; material special; tratament termic special; cuplu cu aproximativ 130% peste standardul DIN

Prindere

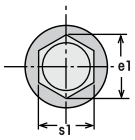
C6,3

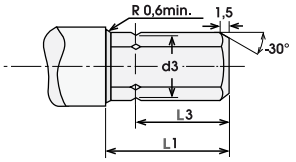




s1 max.	s1 min.		d3	e1 max.	e1 min.	L1	L3			r min.	Inch
6,350	6,292		6,7	7,18	7,11	11,0	8,2			0,3	1/4"

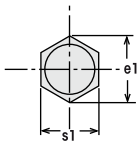
C8

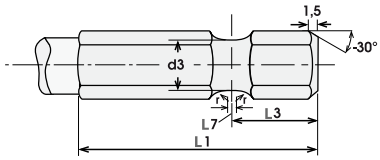




s1 max.	s1 min.		d3	e1 max.	e1 min.	L1	L3			r min.	Inch
7,930	7,872		8,2	8,96	8,90	13,5	10,2			0,3	5/16"

E6,3





s1 max.	s1 min.		d3	e1 max.	e1 min.	L1	L3		L7	r min.	Inch
6,350	6,292		4,7	7,18	7,11	25,0	9,5		1,0	2,4	1/4"

Profile

- Assy® / AW
- Aussendreikant
- Aussensechskant
- Clutch
- Innensechskant
- Innensechskant Bithalter
- Innensechskant Steckschlüssel / Nüsse
- Innenvierkant Nüsse
- Innensechskant Tamper
- Phillips®
- Pozidriv®
- Ribe®
- Schlitz
- Spanner
- TorqSet®
- Torx®
- Torx® Plus®
- Torx® Plus® Sicherheit
- Torx® Tamper
- Torx® T-Rip
- Torx® TTAP®
- TriWing®
- Vierkant / Robertson
- XZN Vielzahn

ACR® - Phillips® Screw Company
ASSY® - Adolf Würth GmbH & Co. KG
BITQUICK® - cobit® GmbH
COBIT® - cobit® GmbH
PHILLIPS® - Phillips® Screw Company
POZIDRIV® - Phillips® Screw Company
RIBE® - Richard Bergner Verbindungstechnik GmbH & Co. KG
SIT® - Adolf Würth GmbH & Co. KG
TORSONIC® - cobit® GmbH
TORQ-SET® - Phillips® Screw Company
TORX® - Acument Intellectual Properties, LLC, Troy Mich., US
TORX® - PLUS® Acument Intellectual Properties, LLC, Troy Mich., US
TRI-WING® - Phillips® Screw Company
TTAP® - TTAP® DRIVE AS



Biti cu profl Phillps 368
Biti cu profl Pozidrive 372
Biti cu profil lat 376
Biti cu profil TORX® 378
Biti cu profl hexagon exterior 384
Biti cu profil patrat / Robertson 386
Biti cu profil Spanner 387
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Biti cu profil ZXN 387
Biti cu profil Torq-Set® 387
Biti cu profil Clutch 388
Biti cu profil Tri-Wing® 387
Biti cu profil Torx® TTAP® 387
Biti cu profil TORX® Plus® 388
Biti cu profil ASSY® 388
Biti special pentru gips-carton 388
Biti cu prindere pe filet 388
Biti cu prindere hexagon 10 mm 388
Biti tubulare 389
Prelungitoare 392
Adaptoare 392
Antrenoare 396
Truse de biti 396

1602 TOR

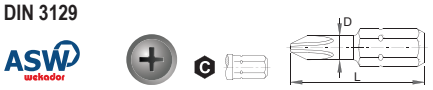
NOU

Bit hexagonal 1/4" DIN 3129 Forma C 6,3 profil Phillips

- *otel special aliat*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*
- *in concordanta cu standardul ISO 2351*
- *standard: DIN 3129 ISO 1174*



DIN 3129



	Dimensiune	D	L		
1000031563	PH 1	-	25	vrac	4.75
1000031564	PH 2	-	25	vrac	4.75
1000031565	PH 3	-	25	vrac	4.75

1602 CON

NOU

Bit hexagonal 1/4" DIN 3129 Forma C 6,3 profil Phillips Cool Nitrogen

- *otel special aliat*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*
- *in concordanta cu standardul ISO 2351*
- *standard: DIN 3129 ISO 1174*



DIN 3129



	Dimensiune	D	L		
1000037139	PH 1	4,5	25	vrac	7.83
1000037140	PH 2	6	25	vrac	7.83
1000037141	PH 3	8	25	vrac	7.83

INDUSTRY PH

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Phillips

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



DIN 5260



	Dimensiune	L		
UUSG0012040	PH 0	25	10 (A*)	42.76
UUSG0012341[1]	PH 1	25	10 (A*)	42.76
UUSG0012342[1]	PH 2	25	10 (A*)	42.76
UUSG0012343[1]	PH 3	25	10 (A*)	42.76
UUSG0012045	PH 4	25	10 (A*)	66.18

([1]) *profil de torsiune*

Bit TORSION 1/4" DIN/ISO 1173 Forma C 6,3 - profil Phillips

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 90% peste standardul DIN*
- *fara acoperire*
- *DIN 5264-C, ISO 2380*





	Dimensiune	L		
01924	PH 1	25	vrac	2.18
01925	PH 2	25	vrac	2.18
01926	PH 3	25	vrac	2.18
01118	PH 1	25	10 (PP*)	30.41
01119	PH 2	25	10 (PP*)	30.41
01120	PH 3	25	10 (PP*)	30.41

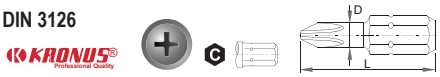
6463C6,3

Bit hexagonal 1/4" DIN 3126 Forma C 6,3 profil Phillips

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*



DIN 3126



	Dimensiune	D	L		
70112201	PH 1	4.5	25	vrac	1.83
70112401	PH 2	6.0	25	vrac	1.83
70112601	PH 3	6.0	25	vrac	1.83
900516	PH 1	4.5	25	3 (PP*)	6.88
900517	PH 2	6.0	25	3 (PP*)	6.88
900518	PH 3	6.0	25	3 (PP*)	6.88
70112205	PH 1	4.5	25	5 (PP*)	12.58
70112405	PH 2	6.0	25	5 (PP*)	12.58
70112605	PH 3	6.0	25	5 (PP*)	12.58
70112210	PH 1	4.5	25	10 (PP*)	25.19
70112410	PH 2	6.0	25	10 (PP*)	25.19
70112610	PH 3	6.0	25	10 (PP*)	25.19
70112225	PH 1	4.5	25	25 (PP*)	62.99
70112425	PH 2	6.0	25	25 (PP*)	62.99
70112625	PH 3	6.0	25	25 (PP*)	62.99

1602 CR

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - profil Phillips

- *DIN 5260, ISO 8764*
- *cu inel identificare*





	Dimensiune	L	D		
1000012071	PH 1	25	4,6	vrac	4.56
1000012072	PH 2	25	6,0	vrac	4.56
1000012073	PH 3	25	6,0	vrac	4.56

Suruburi metrice Ø in mm			Suruburi autofiletante Ø in mm			Suruburi pentru lemn Ø in mm		Suruburi speciale Ø in mm	Dimensiune	
DIN 965	DIN 966	DIN 7985	DIN 7981	DIN 7982	DIN 7995	DIN 7996	DIN 7997		PH	PZ
1,6 / 2	1,6 / 2	1,6 / 2	2,2	2,2		2			0	0
2,5 / 3	2,5 / 3	2 / 2,5	2,9	2,9	2,5 / 3	2,5 / 3	2,5 / 3	2,1 / 3,0	1	1
3,5 - 5	3,5 - 5	3,5 - 5	3,5 - 4,8	3,5 - 5	3,5 - 5	3,5 - 5	3,5 - 4,5	3,1 - 5,2	2	2
6	6	6 / 6,3	5,5 / 6,3	5,5 - 7	5,5 - 7	5,5 - 7	5,5	5,5 - 7,2	3	3
8 / 10	8 / 10	8 / 10	8 / 9,5	8 / 9,5	8	8	8	7,3 - 12,7	4	4

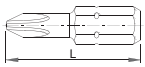
*Nu sunt incluse in standard

Bit TORSION 1/4" DIN/ISO 1173
Forma C 6,3 - profil Phillips

- *TORSION - versiune forjata pentru a se potrivi perfect la aplicatii grele (ex. lemn dur, metal)*
- *cuplu foarte bun, de aproximativ 110% peste standardul DIN*
- *fara acoperire*
- *DIN 5264-C, ISO 2380*



cobit tool technology



	Dimensiune	L		
60083	PH 1	25	vrac	3.16
60084	PH 2	25	vrac	3.16
60085	PH 3	25	vrac	3.16
02531	PH 1	25	10 (PP*)	40.16
02532	PH 2	25	10 (PP*)	40.16
02533	PH 3	25	10 (PP*)	40.16

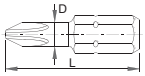
1200 Z

Bit hexagonal 1/4" DIN/ISO 1173
Forma C 6,3 - profil Phillips

- *DIN 5260, ISO 8764*
- *standard*



ASW wekador



	Dimensiune	L	D		
1000012002	PH 1	25	4,6	vrac	2.63
1000012005	PH 2	25	6,0	vrac	2.63
1000012011	PH 3	25	6,0	vrac	2.63

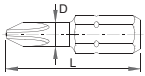
Bit hexagonal 1/4" DIN/ISO 1173
Forma E 6,3 - profil Phillips DIN 5260

- *bitul dispune o zona de torsiune studiata si alungita pentru a rezista la cupluri ridicate si socuri violente in timpul utilizarii pe o masina de insurubat cu impact*
- *duritate proiectata special pentru utilizarea pe masini de insurubat cu impact de mare putere*
- *varf ranforsat cu inel de sprijin pentru o durata de utilizare prelungita*
- *zona de torsiune este ranforsata din partea superioara si cea inferioara pentru o legatura mai puternica intre varf si corp si pentru a preveni ruperea bitului.*

BLUE SHOCK



USH GERMANY



	Dimensiune	L		
UUSE0062442	PH 2	30	5	53.71
UUSE0062443	PH 3	30	5	53.71
UUSG0062442	PH 2	30	10	106.36
UUSL0062442	PH 2	30	25	214.65

Zona anti-soc
Shock Absorber

Bitul dispune o zona de torsiune studiata si alungita pentru a rezista la cupluri ridicate si socuri violente in timpul utilizarii pe o masina de insurubat cu impact.
Duritate proiectata special pentru utilizarea pe masini de insurubat cu impact de mare putere.



BLUE SHOCK

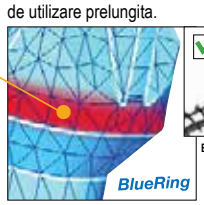
Precizie *BlueFit*

Profile PH, PZ, TX adaptate perfect la capetele suruburilor pentru a evita alunecarile.



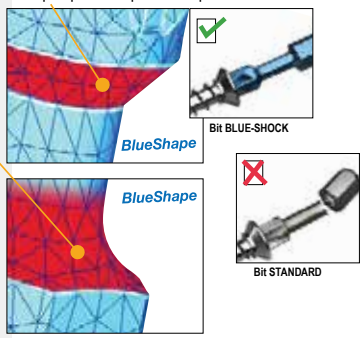
Ranforsare *BlueRing*

Varf ranforsat cu unui inel de sprijin pentru o durata de utilizare prelungita.



Anti-Rupere *BlueShape*

Zona de torsiune este ranforsata din partea superioara si cea inferioara pentru o legatura mai puternica intre varf si corp si pentru a preveni ruperea bitului.

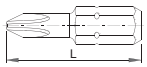


Bit IMPACT TORSION 1/4"
DIN/ISO 1173 - Forma C 6,3
profil Phillips

- *IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *fara acoperire*
- *material special*
- *tratament special*
- *cuplu maxim cu aproximativ 130% peste norma DIN*



cobit tool technology



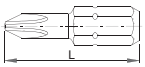
	Dimensiune	L		
10100	PH 1	30	vrac	3.16
10101	PH 2	30	vrac	3.16
10102	PH 3	30	vrac	3.16
02500	PH 1	30	10 (SYS**)	40.16
02501	PH 2	30	10 (SYS**)	40.16
02502	PH 3	30	10 (SYS**)	40.16

Bit TiN CVD 1/4" DIN/ISO 1173
Forma C 6,3 - profil Phillips

- *Titan TiN - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *acoperire Titan CVD pentru rezistenta mare la uzura*
- *duritatea suprafetei aproximativ 92-95 HRc*
- *cuplu maxim cu aproximativ 115% peste norma DIN*
- *DIN 5264-C, ISO 2380*



cobit tool technology



	Dimensiune	L		
03000	PH 1	25	vrac	4.30
03001	PH 2	25	vrac	4.30
03002	PH 3	25	vrac	4.30
02615	PH 1	25	10 (PP*)	51.64
02616	PH 2	25	10 (PP*)	51.64
02617	PH 3	25	10 (PP*)	51.64

ISOTIN® PH

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Phillips TiN

- *strat dublu de titanizare*
- *duritatea suprafetei 3000 Vickers*
- *duritatea optimizata a miezului si strat mai gros de titanizare asigura o durata de viata mai lunga decat cea a unui bit TiN standard*
- *protectie optima impotriva coroziunii*
- *potrivit pentru toate aplicatiile delicate in materiale dure si moi*
- *designul de torsiune combinat cu stratul ISOTIN® creste rezistenta pentru un cuplu de strangere*



DIN 5260

TORSIONFLEX

	Dimensiune	L		
UUSG0022341	PH 1	25	10 (A*)	101.33
UUSG0022342	PH 2	25	10 (A*)	101.33
UUSG0022344	PH 3	25	10 (A*)	101.33

1602 TIN NOU

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - profil Phillips TiN

- *strat dublu de titanizare*
- *duritatea optimizata a miezului si strat mai gros de titanizare asigura o durata de viata mai lunga decat cea a unui bit TiN standard*
- *protectie optima impotriva coroziunii*
- *potrivit pentru toate aplicatiile delicate in materiale dure si moi*
- *designul de torsiune combinat cu stratul TiN creste rezistenta pentru un cuplu de strangere*



	Dimensiune	L		
1000031590	PH 1	25	vrac	10.21
1000031591	PH 2	25	vrac	10.21
1000031592	PH 3	25	vrac	10.21

PH IMPACT

Biti IMPACT DIN/ISO 1173 - Forma C 6,3 profil Phillips

- *rezistenta mare la impact*
- *protectie superioara la coroziune*
- *potrivit pentru operatii de insurubare automata*
- *durata de utilizare prelungita*
- *material: S2*
- *lungime: 25 mm*



IMPACT

KRONUS Professional Quality

2x Material S2 C 6,3mm 1/4"

		Dimensiune	L	D		
71923289	O	PH 2	25	6,0	2 (E*)	17.16
71923323	O	PH 3	25	6,0	2 (E*)	17.16

1602 PH IMP NOU

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 IMPACT - profil Phillips

- *DIN 5260, ISO 8764*
- *IMPACT*



	Dimensiune	L	D		
1000035998	PH 2	25	6,0	vrac	8.41
1000035999	PH 3	25	6,0	vrac	8.41

1602 ZRN NOU

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - profil Phillips

- *DIN 5260, ISO 8764*
- *diamantat*



	Dimensiune	L	D		
1000031605	PH 1	25	4,6	vrac	14.57
1000031606	PH 2	25	6,0	vrac	14.57
1000031607	PH 3	25	6,0	vrac	14.57

Bit DIAMOND TiN IMPACT 1/4" DIN/ISO 1173 - Forma C 6,3 - profil Phillips

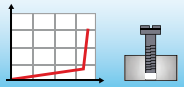
- *DIAMANT Titan TiN CVD IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *material special*
- *tratament special*
- *particulele de diamant reduc forta de respingere a surubului*
- *duritatea suprafetei aproximativ 92-95 HRc*
- *cuplu maxim cu aproximativ 130% peste norma DIN*
- *DIN 5264-C, ISO 2380*



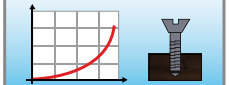
cobit tool technology

	Dimensiune	L		
60163	PH 1	25	vrac	12.62
60164	PH 2	25	vrac	12.62
60165	PH 3	25	vrac	12.62
03087	PH 1	25	5 (SYS**)	71.72
03088	PH 2	25	5 (SYS**)	71.72
03089	PH 3	25	5 (SYS**)	71.72

IMBINARI DURE



IMBINARI MOI



"Imbinarea dura" este specifica insurubarii in metal. Trebuie sa utilizati calitatea super-rezistent

"Imbinarea moale" este specifica insurubarii in lemn. Trebuie sa utilizati calitatea super-dur

STAINLESS STEEL PH

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Phillips

- *material: otel inoxidabil*
- *protectie optima impotriva coroziunii*
- *rugina externa pe otelul inoxidabil este rezultatul abraziunii la strangerea suruburilor folosind scule obisnuite din otel; materialul prelucrat cu astfel de instrumente prinde particule de otel care adera la suruburi si este transformat, in prezenta oxigenului, in rugina; folosirea bitilor din otel inoxidabil previne formarea ruginii externe pe suruburile sau suprafetele din otel inoxidabil*



DIN 5260

ZERO RUST

	Dimensiune	L		
UUSE0062041N	PH 1	25	5 (A*)	86.37
UUSE0062042N	PH 2	25	5 (A*)	86.37
UUSE0062044N	PH 3	25	5 (A*)	86.37



INDUSTRY PH ACR

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Phillips ACR

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



DIN 5260

TORSIONFLEX

	Dimensiune	L		
UUSE0012841	PH 1	25	5 (A*)	56.85
UUSE0012842	PH 2	25	5 (A*)	56.85
UUSE0012843	PH 3	25	5 (A*)	56.85

1612 NOU

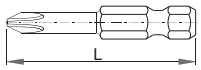
Bit hexagonal 1/4" DIN/ISO 1173 - E6,3 - profil Phillips®, lungi

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*





DIN 3126



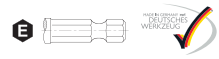
	Dimensiune	L	D		
1000005338	PH 0	70	4,0	vrac	17.59
1000005490	PH 1	70	4,5	vrac	17.59
1000005491	PH 2	70	6,0	vrac	17.59
1000005581	PH 3	70	6,0	vrac	17.59
1000005419	PH 1	90	4,5	vrac	20.29
1000005518	PH 2	90	6,0	vrac	20.29
1000005608	PH 3	90	6,0	vrac	20.29
1000005347	PH 1	102	4,5	vrac	22.02
1000005428	PH 2	102	6,0	vrac	22.02
1000005527	PH 3	102	6,0	vrac	22.02
1000036497	PH 1	110	4,5	vrac	22.79
1000036499	PH 2	110	6,0	vrac	22.79
1000036501	PH 3	110	6,0	vrac	22.79
1000036498	PH 1	127	4,5	vrac	25.62
1000036500	PH 2	127	6,0	vrac	25.62
1000036502	PH 3	127	6,0	vrac	25.62
1000031424	PH 1	152	4,5	vrac	32.55
1000027266	PH 2	152	6,0	vrac	32.55
1000030168	PH 3	152	6,0	vrac	32.55
1020013359	PH 2	170	6,0	vrac	27.54
1020038283	PH 2	200	6,0	vrac	32.99
1020013362	PH 2	300	6,0	vrac	48.48

76503E6,3

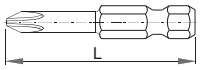
Bit hexagonal 1/4" Forma E 6,3 - profil Phillips

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*





DIN 3126



	Dimensiune	D	L		
70113901	PH 1	50	4.5	vrac	2.74
70114001	PH 2	50	6.0	vrac	2.74
70114101	PH 3	50	6.0	vrac	2.74
900536	PH 1	50	4.5	3 (PP*)	9.62
900537	PH 2	50	6.0	3 (PP*)	9.62
900538	PH 3	50	6.0	3 (PP*)	9.62
70113905	PH 1	50	4.5	5 (PP*)	17.17
70114005	PH 2	50	6.0	5 (PP*)	17.17
70114105	PH 3	50	6.0	5 (PP*)	17.17
70113910	PH 1	50	4.5	10 (PP*)	34.35
70114010	PH 2	50	6.0	10 (PP*)	34.35
70114110	PH 3	50	6.0	10 (PP*)	34.35

INDUSTRY PH L

Bit hexagonal 1/4" DIN 3126 - Forma E 6,3 - profil Phillips lung

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



DIN 5260



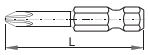
	Dimensiune	L		
UUSE0013621[1]	PH 1	50	5 (A*)	56.66
UUSE0013622[1]	PH 2	50	5 (A*)	56.66
UUSE0013623[1]	PH 3	50	5 (A*)	56.66

([1]) *profil de torsiune*

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil Phillips

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 95% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*



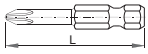


	Dimensiune	L		
60391	PH 1	50	vrac	4.02
60392	PH 2	50	vrac	4.02
60393	PH 3	50	vrac	4.02
01139	PH 1	50	10 (PP*)	48.77
01140	PH 2	50	10 (PP*)	48.77
01141	PH 3	50	10 (PP*)	48.77

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil Phillips

- *TORSION - versiune forjata pentru a se potrivi perfect la aplicatii grele (ex. lemn dur, metal)*
- *cuplu foarte bun, de aproximativ 100% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*



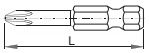


	Dimensiune	L		
60096	PH 1	50	vrac	4.59
60097	PH 2	50	vrac	4.59
60098	PH 3	50	vrac	4.59
02540	PH 1	50	10 (PP*)	54.51
02541	PH 2	50	10 (PP*)	54.51
02542	PH 3	50	10 (PP*)	54.51

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil Phillips

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 80% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*



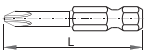


	Dimensiune	L		
60421	PH 1	70	vrac	8.03
60422	PH 2	70	vrac	8.03
60423	PH 3	70	vrac	8.03
01152	PH 1	70	5 (PP*)	48.77
01155	PH 2	70	5 (PP*)	48.77
01158	PH 3	70	5 (PP*)	48.77

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil Phillips

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 80% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*





	Dimensiune	L		
60394	PH 1	90	vrac	10.90
60395	PH 2	90	vrac	10.90
60396	PH 3	90	vrac	10.90
01153	PH 1	90	5 (PP*)	63.11
01156	PH 2	90	5 (PP*)	63.11
01159	PH 3	90	5 (PP*)	63.11

INDUSTRY PH XL

Bit hexagonal 1/4" DIN 3126 - Forma E 6,3 - profil Phillips lung

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



DIN 5260



	Dimensiune	L		
UUSZ0136021	PH 1	90	1 (D*)	53.71
UUSZ0136022	PH 2	90	1 (D*)	53.71
UUSZ0136023	PH 3	90	1 (D*)	53.71

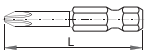
Bit TORSION 1/4" DIN/ISO 1173
Forma E 6,3 - profil Phillips

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 80% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*



cobit tool technology





	Dimensiune	L		
60403	PH 1	150	vrac	18.07
60404	PH 2	150	vrac	18.07
60405	PH 3	150	vrac	18.07
01154	PH 1	150	5 (PP*)	98.98
01157	PH 2	150	5 (PP*)	98.98
01160	PH 3	150	5 (PP*)	98.98

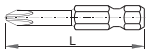
Bit IMPACT TORSION 1/4"
DIN/ISO 1173 - Forma E 6,3
profil Phillips

- *IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *fara acoperire*
- *material special*
- *tratament special*
- *cuplu maxim cu aproximativ 130% peste norma DIN*



cobit tool technology





	Dimensiune	L		
COB-10112	PH 1	50	vrac	5.45
10113	PH 2	50	vrac	5.45
10114	PH 3	50	vrac	5.45
02512	PH 1	50	5 (SYS**)	35.86
02513	PH 2	50	5 (SYS**)	35.86
02514	PH 3	50	5 (SYS**)	35.86

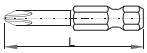
Bit TORSION TiN CVD 1/4"
DIN/ISO 1173 -
Forma E 6,3 - profil Phillips

- *Titan TiN - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *acoperire Titan CVD pentru rezistenta mare la uzura*
- *duritatea suprafetei aproximativ 92-95 HRc*
- *cuplu maxim cu aproximativ 115% peste norma DIN*
- *DIN 5260, ISO 8764*



cobit tool technology





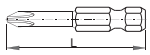
	Dimensiune	L		
03010	PH 1	50	vrac	9.18
03011	PH 2	50	vrac	9.18
03012	PH 3	50	vrac	9.18
02627	PH 1	50	5 (PP*)	54.51
02628	PH 2	50	5 (PP*)	54.51
02629	PH 3	50	5 (PP*)	54.51

Bit hexagonal 1/4"
BLUE SHOCK
Forma E 6,3 - profil Phillips

- *bitul dispune o zona de torsiune studiata si alungita pentru a rezista la cupluri ridicate si socuri violente in timpul utilizarii pe o masina de insurubat cu impact*
- *duritate proiectata special pentru utilizarea pe masini de insurubat cu impact de mare putere*
- *varf ranforsat cu inel de sprijin pentru o durata de utilizare prelungita*
- *zona de torsiune este ranforsata din partea superioara si cea inferioara pentru o legatura mai puternica intre varf si corp si pentru a preveni ruperea bitului.*







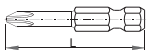
	Dimensiune	L		
UUSE0063422	PH 2	50	5 (A*)	83.58
UUSE0063423	PH 3	50	5 (A*)	83.58

1612 IMP NOU

Bit IMPACT TORSION 1/4"
DIN/ISO 1173 - Forma E 6,3
profil Phillips

- *IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *fara acoperire*
- *material special*
- *tratament special*





	Dimensiune	L	D		
1000036873	PH 2	50	6	vrac	15.92
1000036874	PH 3	50	6	vrac	15.92

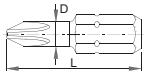
1802 NOU

Bit hexagonal 5/16" DIN 3126 -
Forma C 8 - profil Phillips

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*



DIN 5260



	Dimensiune	L	D		
1000009910	PH 1	32	4.5	vrac	17.27
1000009928	PH 2	32	6	vrac	17.27
1000009946	PH 3	32	7.9	vrac	17.27
1000009964	PH 4	32	7.9	vrac	17.27



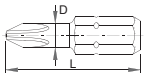
QUALITY INDUSTRY PH

Bit hexagonal 5/16" DIN 3126 -
Forma C 8 - profil Phillips

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*



DIN 5260



	Dimensiune	L		
UUSE0012541	PH 1	32	5 (A*)	85.94
UUSE0012542	PH 2	32	5 (A*)	85.94
UUSE0012544	PH 3	32	5 (A*)	85.94
UUSE0012545	PH 4	38	5 (A*)	180.48

1622 DOPP NOU

Bit 1/4" DIN/ISO 1173 – E6,3
- profil Phillips, doua capete

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*



DIN 5260

	Dimensiune	L	D		
1000006760	PH 1	45	-	vrac	10.90
1000006787	PH 2	45	-	vrac	10.90
1000006769	PH 1	65	-	vrac	20.08
1000006796	PH 2	65	-	vrac	20.08
1000006814	PH 3	65	-	vrac	20.08
1000028865	PH 2	100	-	vrac	28.69
1000006778	PH 2	150	-	vrac	39.59

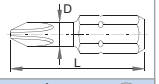
76466C6,3

Bit hexagonal 1/4" DIN 3126 -
Forma C 6,3 - profil Pozidriv

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*



DIN 3126



	Dimensiune	L	D		
70118101	PZ 1	25	4.5	vrac	1.83
70118301	PZ 2	25	6.0	vrac	1.83
70118501	PZ 3	25	6.0	vrac	1.83
900519	PZ 1	25	4.5	3 (PP*)	6.88
900520	PZ 2	25	6.0	3 (PP*)	6.88
900521	PZ 3	25	6.0	3 (PP*)	6.88
70118105	PZ 1	25	4.5	5 (PP*)	12.58
70118305	PZ 2	25	6.0	5 (PP*)	12.58
70118505	PZ 3	25	6.0	5 (PP*)	12.58
70118110	PZ 1	25	4.5	10 (PP*)	25.19
70118310	PZ 2	25	6.0	10 (PP*)	25.19
70118510	PZ 3	25	6.0	10 (PP*)	25.19
70118125	PZ 1	25	4.5	25 (PP*)	62.99
70118325	PZ 2	25	6.0	25 (PP*)	62.99
70118525	PZ 3	25	6.0	25 (PP*)	62.99

INDUSTRY PZ

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Pozidriv

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*

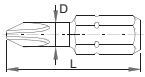


DIN 5260

USH GERMANY

TORSIONFLEX

Long Life



	Dimensiune	L		
UUSG0012053	PZ 0	25	10 (A*)	**42.76**
UUSG0012360[1]	PZ 1	25	10 (A*)	**42.76**
UUSG0012361[1]	PZ 2	25	10 (A*)	**42.76**
UUSG0012362[1]	PZ 3	25	10 (A*)	**42.76**
UUSG0012063	PZ 4	25	10 (A*)	**42.76**

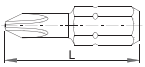
([1]) *profil de torsiune*

Bit TORSION 1/4" DIN/ISO 1173 Forma C 6,3 - profil Pozidriv

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 90% peste standardul DIN*
- *fara acoperire*
- *DIN 5264-C, ISO 2380*



cobit tool technology



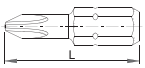
	Dimensiune	L		
01927	PZ 1	25	vrac	**2.18**
01928	PZ 2	25	vrac	**2.18**
01929	PZ 3	25	vrac	**2.18**
01177	PZ 1	25	10 (PP*)	**30.41**
01178	PZ 2	25	10 (PP*)	**30.41**
01179	PZ 3	25	10 (PP*)	**30.41**

Bit TORSION 1/4" DIN/ISO 1173 Forma C 6,3 - profil Pozidriv

- *TORSION - versiune forjata pentru a se potrivi perfect la aplicatii grele (ex. lemn dur, metal)*
- *cuplu foarte bun, de aproximativ 110% peste standardul DIN*
- *fara acoperire*
- *DIN 5264-C, ISO 2380*



cobit tool technology



	Dimensiune	L		
60086	PZ 1	25	vrac	**3.15**
60087	PZ 2	25	vrac	**3.15**
60088	PZ 3	25	vrac	**3.15**
02535	PZ 1	25	10 (PP*)	**40.16**
02536	PZ 2	25	10 (PP*)	**40.16**
02537	PZ 3	25	10 (PP*)	**40.16**

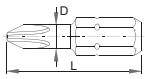
1300 Z

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - profil Pozidriv

- *DIN 5260, ISO 8764*
- *standard*



ASW wekador



	Dimensiune	L	D		
1000013002	PZ 1	25	4,6	vrac	**2.63**
1000013005	PZ 2	25	6,0	vrac	**2.63**
1000013011	PZ 3	25	6,0	vrac	**2.63**

Cupluri de testare pentru biti profil PH si PZ

	Nm*
0	1,0
1	3,9
2	10,3
3	32,0
4	88,7

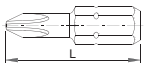
** Profile PH si PZ: Fabricate conform DIN 5260, IOS 8764 si SMS-SS 1687. Valori de cuplu verificate in calibru de testare, conform DIN 5261, ISO 8764, pe echipamentul de testare cuplu.*

Bit IMPACT TORSION 1/4" DIN/ISO 1173 - Forma C 6,3 profil Pozidriv

- *IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *fara acoperire*
- *material special*
- *tratament special*
- *cuplu maxim cu aproximativ 130% peste norma DIN*



cobit tool technology



	Dimensiune	L		
10103	PZ 1	30	vrac	**3.73**
10104	PZ 2	30	vrac	**3.73**
10105	PZ 3	30	vrac	**3.73**
02503	PZ 1	30	10 (SYS**)	**45.90**
02504	PZ 2	30	10 (SYS**)	**45.90**
02505	PZ 3	30	10 (SYS**)	**45.90**

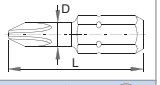
1300 CR

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - profil Pozidriv

- *DIN 5260, ISO 8764*
- *cu inel identificare*



ASW wekador



		Dimensiune	L	D		
1000013071	○	PZ 1	25	4,6	vrac	**4.56**
1000013072	○	PZ 2	25	6,0	vrac	**4.56**
1000013073	○	PZ 3	25	6,0	vrac	**4.56**

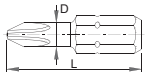
Bit hexagonal 1/4" de IMPACT BLUE SHOCK DIN/ISO 1173 Forma E 6,3 - profil Pozidrive

- *bitul dispune o zona de torsiune studiata si alungita pentru a rezista la cupluri ridicate si socuri violente in timpul utilizarii pe o masina de insurubat cu impact*
- *duritate proiectata special pentru utilizarea pe masini de insurubat cu impact de mare putere*
- *varf ranforsat cu inel de sprijin pentru o durata de utilizare prelungita*
- *zona de torsiune este ranforsata din partea superioara si cea inferioara pentru o legatura mai puternica intre varf si corp si pentru a preveni ruperea bitului.*

BLUE SHOCK



USH GERMANY



	Dimensiune	L		
UUSE0062461	PZ 2	30	5 (A*)	**53.71**
UUSE0062462	PZ 3	30	5 (A*)	**53.71**
UUSG0062461	PZ 2	30	10 (A*)	**106.36**
UUSL0062461	PZ 2	30	25 (A*)	**214.65**

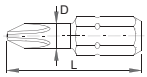
16099 IMP NOU

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - profil Pozidriv

- *DIN 5260, ISO 8764*
- *IMPACT*



ASW wekador



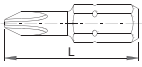
	Dimensiune	L	D		
1000035996	PZ 2	25	6,0	vrac	**8.41**
1000035997	PZ 3	25	6,0	vrac	**8.41**

Bit TiN CVD 1/4" DIN/ISO 1173 - Forma C 6,3 - profil Pozidriv

- *Titan TiN - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *acoperire Titan CVD pentru rezistenta mare la uzura*
- *duritatea suprafetei aproximativ 92-95 HRc*
- *cuplu maxim cu aproximativ 115% peste norma DIN*
- *DIN 5264-C, ISO 2380*



cobit tool technology



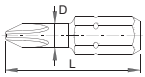
	Dimensiune	L		
03005	PZ 1	25	vrac	**4.30**
03006	PZ 2	25	vrac	**4.30**
03007	PZ 3	25	vrac	**4.30**
02618	PZ 1	25	10 (PP*)	**51.64**
02619	PZ 2	25	10 (PP*)	**51.64**
02620	PZ 3	25	10 (PP*)	**51.64**

16099 TIN NOU

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - profil Pozidriv

- *Titan TiN - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *acoperire Titan pentru rezistenta mare la uzura*
- *duritatea suprafetei aproximativ 92-95 HRc*
- *cuplu maxim peste norma DIN*
- *DIN 5260/ISO 8764*





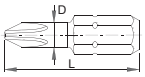
	Dimensiune	L	D		
1000031593	PZ 1	25	-	vrac	**13.42**
1000031594	PZ 2	25	-	vrac	**13.42**
1000031595	PZ 3	25	-	vrac	**13.42**

16099 ZRN NOU

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - profil Pozidriv

- *DIN 5260, ISO 8764*
- *diamantat*



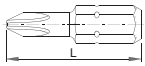


	Dimensiune	L	D		
1000031610	PZ 1	25	4,6	vrac	**14.57**
1000031611	PZ 2	25	6,0	vrac	**14.57**
1000031612	PZ 3	25	6,0	vrac	**14.57**

Bit DIAMOND TiN IMPACT 1/4" DIN/ISO 1173 - Forma C 6,3 - profil Pozidriv

- *DIAMANT Titan TiN CVD IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *material special*
- *tratament special*
- *particulele de diamant reduc forta de respingere a surubului*
- *duritatea suprafetei aproximativ 92-95 HRc*
- *cuplu maxim cu aproximativ 130% peste norma DIN*
- *DIN 5264-C, ISO 2380*





	Dimensiune	L		
60178	PZ 1	25	vrac	**12.62**
60179	PZ 2	25	vrac	**12.62**
60180	PZ 3	25	vrac	**12.62**
03107	PZ 1	25	5 (SYS**)	**71.72**
03108	PZ 2	25	5 (SYS**)	**71.72**
03109	PZ 3	25	5 (SYS**)	**71.72**

ISOTIN® PZ

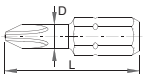
Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Pozidriv

- *strat dublu de titanizare*
- *duritatea suprafetei 3000 Vickers*
- *duritatea optimizata a miezului si strat mai gros de titanizare asigura o durata de viata mai lunga decat cea a unui bit TiN standard*
- *protectie optima impotriva coroziunii*
- *potrivit pentru toate aplicatiile delicate in materiale dure si moi*
- *designul de torsiune combinat cu stratul ISOTIN® creste rezistenta pentru un cuplu de strangere*



DIN 5260

TORSIONFLEX



	Dimensiune	L		
UUSG0022360	PZ 1	25	10 (A*)	**101.33**
UUSG0022361	PZ 2	25	10 (A*)	**101.33**
UUSG0022362	PZ 3	25	10 (A*)	**101.33**



STAINLESS STEEL PZ

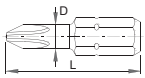
Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Pozidriv

- *material: otel inoxidabil*
- *protectie optima impotriva coroziunii*
- *rugina externa pe otelul inoxidabil este rezultatul abraziunii la strangerea suruburilor folosind scule obisnuite din otel; materialul prelucrat cu astfel de instrumente prinde particule de otel care adera la suruburi si este transformat, in prezenta oxigenului, in rugina; folosirea bitilor din otel inoxidabil previne formarea ruginii externe pe suruburile sau suprafetele din otel inoxidabil*



DIN 5260

ZERO RUST



	Dimensiune	L		
UUSE0062060N	PZ 1	25	5 (A*)	**86.37**
UUSE0062061N	PZ 2	25	5 (A*)	**86.37**
UUSE0062062N	PZ 3	25	5 (A*)	**86.37**

INDUSTRY PZ ACR

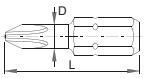
Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Pozidriv ACR

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



DIN 5260

TORSIONFLEX



	Dimensiune	L		
UUSE0012860	PZ 1	25	5 (A*)	**56.85**
UUSE0012861	PZ 2	25	5 (A*)	**56.85**
UUSE0012862	PZ 3	25	5 (A*)	**56.85**

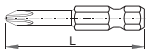
16199 CON

Bit hexagonal 1/4" DIN 3126 - Forma E 6,3 - profil Pozidriv lung

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*



DIN 5260



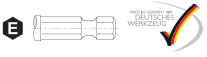
	Dimensiune	L	D		
1000037165	PZ 1	50	4.5	vrac	**15.41**
1000037166	PZ 2	50	6.0	vrac	**15.41**
1000037167	PZ 3	50	6.0	vrac	**15.41**

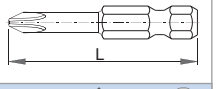
76500E6,3

Bit cu profil Pozidrive, varianta lunga

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*







	Dimensiune	L	D		
70119601	PZ 1	50	4.5	vrac	**2.74**
70119701	PZ 2	50	6.0	vrac	**2.74**
70119801	PZ 3	50	6.0	vrac	**2.74**
900539	PZ 1	50	4.5	3 (PP*)	**9.62**
900540	PZ 2	50	6.0	3 (PP*)	**9.62**
900541	PZ 3	50	6.0	3 (PP*)	**9.62**
70119605	PZ 1	50	4.5	5 (PP*)	**17.17**
70119705	PZ 2	50	6.0	5 (PP*)	**17.17**
70119805	PZ 3	50	6.0	5 (PP*)	**17.17**
70119610	PZ 1	50	4.5	10 (PP*)	**34.35**
70119710	PZ 2	50	6.0	10 (PP*)	**34.35**
70119810	PZ 3	50	6.0	10 (PP*)	**34.35**

INDUSTRY PZ L

Bit hexagonal 1/4" DIN 3126 - Forma E 6,3 - profil Pozidriv lung

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



DIN 5260



	Dimensiune	L		
UUSE0013630[1]	PZ 1	50	5 (A*)	56.66
UUSE0013631[1]	PZ 2	50	5 (A*)	56.66
UUSE0013632[1]	PZ 3	50	5 (A*)	56.66

([1]) *profil de torsiune*

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil Pozidriv

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 95% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*





	Dimensiune	L		
01646	PZ 1	50	vrac	4.02
01647	PZ 2	50	vrac	4.02
01648	PZ 3	50	vrac	4.02
01196	PZ 1	50	10 (PP*)	48.77
01197	PZ 2	50	10 (PP*)	48.77
01198	PZ 3	50	10 (PP*)	48.77

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil Pozidriv

- *TORSION - versiune forjata pentru a se potrivi perfect la aplicatii grele (ex. lemn dur, metal)*
- *cuplu foarte bun, de aproximativ 100% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*





	Dimensiune	L		
60099	PZ 1	50	vrac	4.59
60100	PZ 2	50	vrac	4.59
60101	PZ 3	50	vrac	4.59
02752	PZ 1	50	10 (PP*)	54.51
02753	PZ 2	50	10 (PP*)	54.51
02754	PZ 3	50	10 (PP*)	54.51

Bit IMPACT TORSION 1/4" DIN/ISO 1173 - Forma E 6,3 profil Pozidriv

- *IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *fara acoperire*
- *material special*
- *tratament special*
- *cuplu maxim cu aproximativ 130% peste norma DIN*





	Dimensiune	L		
10115	PZ 1	50	vrac	5.45
10116	PZ 2	50	vrac	5.45
10117	PZ 3	50	vrac	5.45
02515	PZ 1	30	5 (SYS**)	35.86
02516	PZ 2	30	5 (SYS**)	35.86
02517	PZ 3	30	5 (SYS**)	35.86

Bit TORSION TiN CVD 1/4" DIN/ISO 1173 - Forma E 6,3 - profil Pozidriv

- *Titan TiN - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *acoperire Titan CVD pentru rezistenta mare la uzura*
- *duritatea suprafetei aproximativ 92-95 HRc*
- *cuplu maxim cu aproximativ 115% peste norma DIN*
- *DIN 5260, ISO 8764*





	Dimensiune	L		
03015	PZ 1	50	vrac	9.18
03016	PZ 2	50	vrac	9.18
03017	PZ 3	50	vrac	9.18
02730	PZ 1	50	5 (PP*)	54.51
02731	PZ 2	50	5 (PP*)	54.51
02732	PZ 3	50	5 (PP*)	54.51

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil Pozidriv

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 80% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*





	Dimensiune	L		
60409	PZ 1	70	vrac	8.03
60410	PZ 2	70	vrac	8.03
60411	PZ 3	70	vrac	8.03
01202	PZ 1	70	5 (PP*)	48.77
01206	PZ 2	70	5 (PP*)	48.77
COB-01210	PZ 3	70	5 (PP*)	48.77

Bit TORSION 1/4" DIN/ISO 1173 - Forma E 6,3 profil Pozidriv

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 80% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*





	Dimensiune	L		
60412	PZ 1	90	vrac	10.90
60413	PZ 2	90	vrac	10.90
60414	PZ 3	90	vrac	10.90
01203	PZ 1	90	5 (PP*)	63.11
01207	PZ 2	90	5 (PP*)	63.11
01211	PZ 3	90	5 (PP*)	63.11

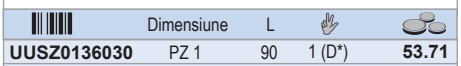
INDUSTRY PZ XL

Bit hexagonal 1/4" DIN 3126 - Forma E 6,3 - profil Pozidriv lung

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



DIN 5260



	Dimensiune	L		
UUSZ0136030	PZ 1	90	1 (D*)	53.71
UUSZ0136031	PZ 2	90	1 (D*)	53.71
UUSZ0136032	PZ 3	90	1 (D*)	53.71

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil Pozidriv

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 80% peste standardul DIN*
- *fara acoperire*
- *DIN 5260, ISO 8764*





	Dimensiune	L		
60425	PZ 1	150	vrac	18.07
60426	PZ 2	150	vrac	18.07
60427	PZ 3	150	vrac	18.07
01205	PZ 1	150	5 (PP*)	98.98
COB-01209	PZ 2	150	5 (PP*)	98.98
01213	PZ 3	150	5 (PP*)	98.98

PH sau PZ



Phillips (PH) **Pozidriv (PZ)**

Profilul PZ cu "varf aditional de ghidare" pentru o mai buna priza a bitului pe surubul actionat.
Folositi intotdeauna profil protrivit fiecarei aplicatii.

16199 IMP NOU

Bit IMPACT TORSION 1/4" DIN/ISO 1173 - Forma E 6,3 profil Pozidriv

- *IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *fara acoperire*
- *material special*
- *tratament special*
- *cuplu maxim cu aproximativ 130% peste norma DIN*



	Dimensiune	L	D		
1000036876	PZ 2	50	6.0	vrac	15.92
1000036877	PZ 3	50	6.0	vrac	15.92

QUALITY INDUSTRY PZ

Bit hexagonal 5/16" DIN 3126 - Forma C 8 - profil Pozidriv

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*



DIN 5260

	Dimensiune	L		
UUSE0012560	PZ 1	32	5 (A*)	85.94
UUSE0012561	PZ 2	32	5 (A*)	85.94
UUSE0012562	PZ 3	32	5 (A*)	85.94
UUSE0012563	PZ 4	38	5 (A*)	180.48

1601 TOR NOU

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil lat

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*



	Dimensiune	L	D		
1000036416	0,6x3,5	25	3.5	vrac	10.79
1000035499	0,6x4,5	25	4.5	vrac	10.79
1000035491	0,8x5,5	25	5.5	vrac	10.79
1000036417	1,0x5,5	25	5.5	vrac	10.79
1000035495	1,2x6,5	25	6.5	vrac	10.79

Bit hexagonal 1/4" BLUE SHOCK Forma E 6,3 - profil Pozidriv

- *bitul dispune o zona de torsiune studiata si alungita pentru a rezista la cupluri ridicate si socuri violente in timpul utilizarii pe o masina de insurubat cu impact*
- *duritate proiectata special pentru utilizarea pe masini de insurubat cu impact de mare putere*
- *varf ranforsat cu inel de sprijin pentru o durata de utilizare prelungita*



	Dimensiune	L		
UUSE0063431	PZ 2	50	5 (A*)	83.58
UUSE0063432	PZ 3	50	5 (A*)	83.58



18099 NOU

Bit hexagonal 5/16" DIN 3126 - Forma C 8 - profil Pozidriv

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*



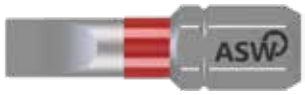
DIN 5260

	Dimensiune	L		
1000036531	PZ 1	32	vrac	17.27
1000029171	PZ 2	32	vrac	17.27
1000029173	PZ 3	32	vrac	17.27
1000029997	PZ 4	32	vrac	17.27

1100 CR

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - profil lal

- *DIN 5264-C, ISO 2380*
- *cu inel identificare*



	Dimensiune	L		
1000011072	0,6 x 3,5	25	vrac	5.52
1000011074	0,6 x 4,5	25	vrac	5.52
1000011076	1,0 x 5,5	25	vrac	5.52
1000011077	1,2 x 6,5	25	vrac	5.52

76460C6,3

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil lat

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*



	Dimensiune	L	D		
70100901	SL 4.5	25	4.5	vrac	1.83
70101001	SL 5.5	25	5.5	vrac	1.83
70101101	SL 6.5	25	6.5	vrac	1.83
900533	SL 4.5	25	4.5	3 (PP*)	6.88
900534	SL 5.5	25	5.5	3 (PP*)	6.88
900535	SL 6.5	25	6.5	3 (PP*)	6.88
70100905	SL 4.5	25	4.5	5 (PP*)	12.60
70101005	SL 5.5	25	5.5	5 (PP*)	12.60
70101105	SL 6.5	25	6.5	5 (PP*)	12.60
70100910	SL 4.5	25	4.5	10 (PP*)	25.19
70101010	SL 5.5	25	5.5	10 (PP*)	25.19
70101110	SL 6.5	25	6.5	10 (PP*)	25.19
70100925	SL 4.5	25	4.5	25 (PP*)	62.99
70101025	SL 5.5	25	5.5	25 (PP*)	62.99
70101125	SL 6.5	25	6.5	25 (PP*)	62.99

PZ IMPACT

Biti IMPACT DIN/ISO 1173 - Forma C 6,3 profil Pozidrive

- *rezistenta mare la impact*
- *protectie superioara la coroziune*
- *potrivit pentru operatii de insurubare automata*
- *durata de utilizare prelungita*
- *material: S2*
- *lungime: 25 mm*



IMPACT

	Dimensiune	L	D		
71923355	PZ 2	25	6,0	2 (E*)	17.16
71923359	PZ 3	25	6,0	2 (E*)	17.16

Bit TORSION 1/4" DIN/ISO 1173 Forma C 6,3 - profil lat

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 90% peste standardul DIN*
- *fara acoperire*
- *DIN 5264-C, ISO 2380*



	Dimensiune	L		
60274	0,6 x 3,5	25	vrac	2.18
60275	0,5 x 4,0	25	vrac	2.18
60276	0,6 x 4,5	25	vrac	2.18
60277	0,8 x 5,5	25	vrac	2.18
60278	1,0 x 5,5	25	vrac	2.18
60279	1,2 x 6,5	25	vrac	2.18
01000	0,6 x 3,5	25	10 (PP*)	30.41
01509	0,5 x 4,0	25	10 (PP*)	30.41
01001	0,6 x 4,5	25	10 (PP*)	30.41
01002	0,8 x 5,5	25	10 (PP*)	30.41
01003	1,0 x 5,5	25	10 (PP*)	30.41
01004	1,2 x 6,5	25	10 (PP*)	30.41

Suruburi cu filet metric Ø in mm				*Suruburi sutofiletante Ø in mm*			*Suruburi pentru lemn Ø in mm*			*Suruburi fara cap Ø in mm*		*Dimensiune in mm*
DIN 84 ISO 1207	DIN 85 ISO 1580	DIN 963 ISO 2009	DIN 964 ISO 2010	DIN 7971 ISO 1418	DIN 7972 ISO 1482	DIN 7973 ISO 1483	DIN 95	DIN 96	DIN 97	DIN 417	DIN 427	a x b
												
1,2/1,4												0,3 x 1,8
		1,6						1,6	1,6	2,5/3	2,5/3	0,4 x 2,0
1,6/1,8			1,6				1,6	2		3,5	3,5	0,4 x 2,5
2,0		2	2		2,2	2,2	2		2	4	4	0,5 x 3,0
								2				0,5 x 4,0
2,5		2,5	2,5	2,2			2,5	2,5	2,5			0,6 x 3,5
2,5				2,2			2,5					0,6 x 4,5
3	3	3/3,5	2,9	2,9	2,9	2,9	3/3,5	3/3,5	3/3,5	5/6	5/6	0,8 x 4,0
3	3	3,5	3,5	2,9			3,5	3,5				0,8 x 5,5
3,5	3,5	4	4	3,5/4	3,5/4	3,5/4	4/4,5	4/4,5	4/4,5			1,0 x 5,5
4		5	5		4,2/4,8	4,2	5	5/5,5	5	8	8	1,2 x 6,5
5	4			4,2		4,8	5,5		5,5			1,2 x 8,0
	5	6	6	4,8	5,5/6,3	5,5	6	6	6	10/12	10/12	1,6 x 8,0
6				5,5/6		6,3	7		7/8	14	14	1,6 x 10,0
8	8	8	8				8	7/8		16	16	2,0 x 12,0
10	10	10	10						10	18	18	2,5 x 14,0
	10											2,5 x 16,0

INDUSTRY SL

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil lat

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



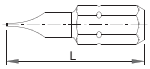
DIN 3127

USH GERMANY



TORSIONFLEX





	Dimensiune	L		
UUSE0112000	0,5 x 3,0	25	5 (A*)	**33.45**
UUSE0112001	0,5 x 4,0	25	5 (A*)	**33.45**
UUSE0112002	0,6 x 3,5	25	5 (A*)	**33.45**
UUSE0112303[1]	0,6 x 4,5	25	5 (A*)	**33.45**
UUSE0112004	0,8 x 4,5	25	5 (A*)	**33.45**
UUSE0112305[1]	0,8 x 5,5	25	5 (A*)	**33.45**
UUSE0112307[1]	1,2 x 6,5	25	5 (A*)	**33.45**
UUSE0112008	1,2 x 8,0	25	5 (A*)	**33.45**
UUSE0112009	1,6 x 8,0	25	5 (A*)	**33.45**
UUSE0112306[1]	1,0 x 5,5	25	5 (A*)	**33.45**

([1]) *profil de torsiune*

Cupluri de testare pentru biti profil lat

a x b	Nm	a x b	Nm
0,3 x 2,0	0,20	**1,2 x 7,0**	11,28
0,4 x 2,0	0,35	**1,2 x 8,0**	12,90
0,4 x 2,5	0,45	**1,4 x 9,0**	19,70
0,5 x 3,0	0,80	**1,5 x 13**	32
0,5 x 3,5	0,98	**1,6 x 8,0**	22,90
0,6 x 3,5	1,40	**1,6 x 9,0**	25
0,6 x 4,0	1,61	**1,6 x 10**	28,70
0,6 x 4,5	1,80	**2,0 x 12**	53
0,8 x 4,0	2,90	**2,0 x 13**	58
0,8 x 5,0	3,58	**2,5 x 14**	98
0,8 x 5,5	3,90	**2,5 x 16**	112
1,0 x 5,5	6,20	**3,0 x 18**	
1,0 x 6,5	7,28		

ISOTIN® SL

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil lat

- *strat dublu de titanizare*
- *duritatea suprafetei 3000 Vickers*
- *duritatea optimizata a miezului si strat mai gros de titanizare asigura o durata de viata mai lunga decat cea a unui bit TiN standard*
- *protectie optima impotriva coroziunii*
- *potrivit pentru toate aplicatiile delicate in materiale dure si moi*
- *designul de torsiune combinat cu stratul ISOTIN® creste rezistenta pentru un cuplu de strangere*



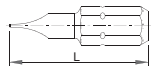
DIN 3127

USH GERMANY



TORSIONFLEX





	Dimensiune	L		
UUSG0212303	0,6 x 4,5	25	10 (A*)	**164.17**
UUSG0212305	0,8 x 5,5	25	10 (A*)	**164.17**
UUSG0212306	1,0 x 5,5	25	10 (A*)	**164.17**
UUSG0212307	1,2 x 6,5	25	10 (A*)	**164.17**

Tabel compatibilitate prindere biti si masini



1/4”

DIN 3126, Form C 6,3 - ISO 1173
Bosch, Fein, Holz-Her, Lecureux, Metabo



5/16”

DIN 3126, Form C 8 - ISO 1173
Bosch, Fein, Holz-Her, Lecureux, Metabo



1/4”

DIN 3126, Form C 6,3 - ISO 1173
AEG, Atlas Copco, Biax, Black & Decker, Bosch, Buckeye Tools, Chicago Pneumatic, Deprag, Desoutter, Gardner Denver, Hitachi, Makita, Metabo, Rockwell, Skil Tool, Stanley, Virax



11 mm

DIN 3126, Form E 11.2 mm - ISO 1173
AEG, Atlas Copco, Biax, Black & Decker, Bosch, Buckeye Tools, Chicago Pneumatic, Fein, Holz-Her, Ingersoll-Rand, Milwaukee, Rotor Tool, Star, Stanley, Virax



7 mm

DIN 3126, Form E G 7 - ISO 1173
Baier, Fein



5.5 mm

DIN 3126, Form A 5.5 - ISO 1173
AEG, Bosch, Holz-Her, Kress, Metabo



5/16”

Buckeye Tools, Demag Pokorny, Desoutter, Fiam, Grasso, Suhner



M 4 - M 6 & 10-32 UNF

Böllhof / Uniquick, Holz-Her, USM, DVSG, Duofast



SDS-plus®

AEG, Atlas Copco, Bosch, Hitachi, Kress, Metabo

STAINLESS STEEL SL

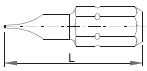
Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil lat

- *material: otel inoxidabil*
- *protectie optima impotriva coroziunii*
- *rugina externa pe otelul inoxidabil este rezultatul abraziunii la strangerea suruburilor folosind scule obisnuite din otel; materialul prelucrat cu astfel de instrumente prinde particule de otel care adera la suruburi si este transformat, in prezenta oxigenului, in rugina; folosirea bitilor din otel inoxidabil previne formarea ruginii externe pe suruburile sau suprafetele din otel inoxidabil*



DIN 3127

USH GERMANY · Long Life · ZERO RUST



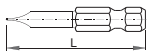
	Dimensiune	L		
UUSE0612004N	0,8 x 4,0	25	5 (A*)	86.37
UUSE0062002N	0,8 x 5,0	25	5 (A*)	86.37
UUSE0612005N	0,8 x 5,5	25	5 (A*)	86.37
UUSE0612007N	1,2 x 6,5	25	5 (A*)	86.37

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil lat

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 95% peste standardul DIN*
- *fara acoperire*
- *DIN DIN 5264-C, ISO 2380*



cobit tool technology · TORSION · select CNC getest



	Dimensiune	L		
60490	0,5 x 3,0	50	vrac	4.59
60492	0,6 x 3,5	50	vrac	4.59
60494	0,8 x 4,0	50	vrac	4.59
60496	1,0 x 5,5	50	vrac	4.59
60498	1,2 x 6,5	50	vrac	4.59
COB-01018	0,5 x 3,0	50	10 (PP*)	54.51
COB-01021	0,6 x 3,5	50	10 (PP*)	54.51
01026	0,8 x 4,0	50	10 (PP*)	54.51
01031	1,0 x 5,5	50	10 (PP*)	54.51
01036	1,2 x 6,5	50	10 (PP*)	54.51

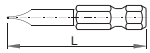
INDUSTRY SL L

Bit hexagonal 1/4" DIN 3126 - Forma E 6,3 - profil lat lung

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



USH GERMANY · TORSIONFLEX · Long Life



	Dimensiune	L		
UUSE0113603[1]	0,6 x 4,5	50	5 (A*)	57.24
UUSE0113605[1]	0,8 x 5,5	50	5 (A*)	57.24
UUSE0113606[1]	1,0 x 5,5	50	5 (A*)	57.24
UUSE0113607[1]	1,2 x 6,5	50	5 (A*)	57.24

([1]) *profil de torsiune*

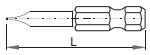
1611 NOU

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil lat

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 95% peste standardul DIN*
- *fara acoperire*
- *DIN DIN 5264-C, ISO 2380*



ASW wekador



	Dimensiune	L	D		
1000036489	0,5x3,0	70	3,0	vrac	22.79
1020005426	0,5x4,0	70	4,0	vrac	21.00
1000027222	0,6x3,5	70	3,5	vrac	22.79
1000005095	0,6x4,5	70	4,5	vrac	22.79
1000027226	0,8x4,0	70	4,0	vrac	22.79
1000005149	0,8x5,5	70	5,5	vrac	22.79
1000005167	1,0x5,5	70	5,5	vrac	22.79
1000005194	1,0x6,0	70	6,0	vrac	22.79
1000005265	1,2x6,5	70	8,0	vrac	33.96
1000005266	1,2x8,0	70	8,0	vrac	33.96
1000036490	0,5x3,0	90	3,0	vrac	29.98
1020005431	0,5x4,0	90	4,0	vrac	27.61
1000036492	0,6x4,0	90	4,0	vrac	29.98
1000036491	0,6x3,5	90	3,5	vrac	29.98
1000036493	0,6x4,5	90	4,5	vrac	29.98
1000036494	0,8x5,5	90	5,5	vrac	29.98
1000036495	1,0x5,5	90	5,5	vrac	29.98
1000036496	1,0x6,0	90	6,0	vrac	29.98
1020005439	1,2x8,0	90	8,0	vrac	29.98

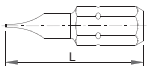
QUALITY INDUSTRY SL

Bit hexagonal 5/16" DIN 3126 - Forma C 8 - profil lat

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*



USH GERMANY

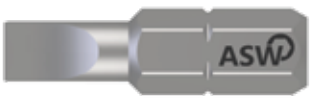


	Dimensiune	L		
UUSE0112514	0,8 x 5,5	41	5 (A*)	124.62
UUSE0112515	1,0 x 5,5	41	5 (A*)	124.62
UUSE0112516	1,2 x 6,5	41	5 (A*)	124.62
UUSE0112517	1,2 x 8,0	41	5 (A*)	124.62
UUSE0112518	1,6 x 8,0	41	5 (A*)	139.66
UUSE0112519	1,6 x 10,0	41	5 (A*)	206.27
UUSE0112520	2,0 x 12,0	41	5 (A*)	249.24

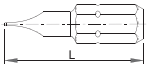
1801 NOU

Bit hexagonal 5/16" DIN 3126 - Forma C 8 - profil lat

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*



ASW wekador



	Dimensiune	L	D		
1000009748	0,6x4,0	41	4,0	vrac	20.55
1000009775	0,6x4,5	41	4,5	vrac	20.55
1000009757	0,8x4,0	41	4,0	vrac	20.55
1000009811	0,8x5,5	41	5,5	vrac	20.55
1000009820	1,0x5,5	41	5,5	vrac	20.55
1000009829	1,0x6,0	41	6,0	vrac	20.55
1000009847	1,2x6,5	41	6,5	vrac	20.55

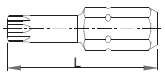
76472C6,3

Bit cu profil TORX®

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*



KRONUS Professional Quality · C



	Dimensiune	L	D		
70128301	TX 10	25	4.0	vrac	2.07
70128401	TX 15	25	4.0	vrac	2.07
70128501	TX 20	25	4.5	vrac	2.07
70128601	TX 25	25	5.0	vrac	2.07
70128801	TX 30	25	6.0	vrac	2.07
70128901	TX 40	25	1/4"	vrac	2.07
70129101	TX 50	25	9.0	vrac	3.21
900522	TX 10	25	4.0	3 (PP*)	7.58
900523	TX 15	25	4.0	3 (PP*)	7.58
900524	TX 20	25	4.5	3 (PP*)	7.58
900525	TX 25	25	5.0	3 (PP*)	7.58
900526	TX 30	25	6.0	3 (PP*)	7.58
900527	TX 40	25	1/4"	3 (PP*)	7.58
900528	TX 50	25	9.0	3 (PP*)	11.02
70128305	TX 10	25	4.0	5 (PP*)	13.74
70128405	TX 15	25	4.0	5 (PP*)	13.74
70128505	TX 20	25	4.5	5 (PP*)	13.74
70128605	TX 25	25	5.0	5 (PP*)	13.74
70128805	TX 30	25	6.0	5 (PP*)	13.74
70128905	TX 40	25	1/4"	5 (PP*)	13.74
70129105	TX 50	25	9.0	5 (PP*)	19.46
70128310	TX 10	25	4.0	10 (PP*)	27.48
70128410	TX 15	25	4.0	10 (PP*)	27.48
70128510	TX 20	25	4.5	10 (PP*)	27.48
70128610	TX 25	25	5.0	10 (PP*)	27.48
70128810	TX 30	25	6.0	10 (PP*)	27.48
70128910	TX 40	25	1/4"	10 (PP*)	27.48
70129110	TX 50	25	9.0	10 (PP*)	38.94
70128325	TX 10	25	4.0	25 (PP*)	68.71
70128425	TX 15	25	4.0	25 (PP*)	68.71
70128525	TX 20	25	4.5	25 (PP*)	68.71
70128625	TX 25	25	5.0	25 (PP*)	68.71
70128825	TX 30	25	6.0	25 (PP*)	68.71
70128925	TX 40	25	1/4"	25 (PP*)	68.71
70129125	TX 50	25	9.0	25 (PP*)	97.33

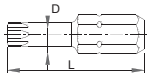
1400 Z

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - Profil TORX®

- *standard*



ASW wekador

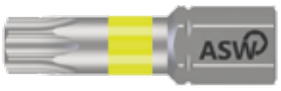


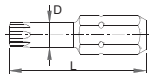
	Dimensiune	L	D		
1000007048	T 10	25	3,0	vrac	4.94
1000007084	T 15	25	4,0	vrac	4.94
1000007111	T 20	25	4,0	vrac	4.94
1000007147	T 25	25	4,5	vrac	4.94
1000007192	T 27	25	5,5	vrac	4.94
1000007219	T 30	25	6,0	vrac	4.94
1000007246	T 40	25	-	vrac	4.94

1607 CR

Bit hexagonal 1/4" DIN/ISO 1173 Forma C 6,3 - Profil TORX®

• *cu inel de identificare*



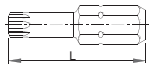


	Dimensiune	L	D		
1020002761	T 10	25	3,0	vrac	5.71
1020002764	T 15	25	4,0	vrac	5.71
1020002767	T 20	25	4,0	vrac	5.71
1020002770	T 25	25	4,5	vrac	5.71
1020002773	T 27	25	5,5	vrac	5.71
1020002775	T 30	25	6,0	vrac	5.71
1020002778	T 40	25	-	vrac	5.71
1020002783	T 50	25		vrac	15.92

Bit TORSION 1/4" DIN/ISO 1173 Forma C 6,3 - profil TORX®

• *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
• *cuplu foarte bun, de aproximativ 90% peste standardul DIN*
• *fara acoperire*





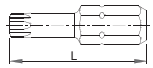
	Dimensiune	L		
60195	TX 10	25	vrac	3.16
01600	TX 15	25	vrac	3.16
01601	TX 20	25	vrac	3.16
01602	TX 25	25	vrac	3.16
60196	TX 27	25	vrac	3.16
01603	TX 30	25	vrac	3.16
01604	TX 40	25	vrac	3.16
01271	TX 10	25	10 (PP*)	40.16
01272	TX 15	25	10 (PP*)	40.16
01273	TX 20	25	10 (PP*)	40.16
01274	TX 25	25	10 (PP*)	40.16
01275	TX 27	25	10 (PP*)	40.16
01276	TX 30	25	10 (PP*)	40.16
01277	TX 40	25	10 (PP*)	40.16

INDUSTRY TX

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil TORX®

• *design de torsiune*
• *duritate in conformitate cu norma DIN*
• *sablat*
• *protectie optima impotriva coroziunii*





	Dimensiune	L		
UUSE0012088	TX 5	25	5 (A*)	36.96
UUSE0012089	TX 6	25	5 (A*)	36.96
UUSE0012090	TX 7	25	5 (A*)	36.96
UUSE0012091	TX 8	25	5 (A*)	36.96
UUSE0012092	TX 9	25	5 (A*)	36.96
UUSE0012393[1]	TX 10	25	5 (A*)	36.96
UUSE0012394[1]	TX 15	25	5 (A*)	36.96
UUSE0012395[1]	TX 20	25	5 (A*)	36.96
UUSE0012396[1]	TX 25	25	5 (A*)	36.96
UUSE0012397[1]	TX 27	25	5 (A*)	36.96
UUSE0012398[1]	TX 30	25	5 (A*)	36.96
UUSE0012399[1]	TX 40	25	5 (A*)	36.96

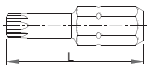
([1]) *profil de torsiune*

Suruburi metrice Ø in mm					Suruburi autofiletante Ø in mm		Dimensiune
DIN 7985	DIN 921 DIN 6912 DIN 7984	DIN 965	DIN 966	DIN 7991	DIN 7981	DIN 7982 DIN 7983	TX
0,9	0,9	0,9/10	0,9/1				TX 1
1,0	1,0	1,2	1,2				TX 2
1,2	1,2	1,4	1,4				TX 3
							TX 4
1,4/1,6	1,4/1,6	1,8					TX 5
1,3/2	1,3/2	2					TX 6
							TX 7
2,5	2,5	2,5	2,5		2,9	2,9	TX 8
					2,9		TX 9
3	3	3	3	3	3,5	3,5	TX 10
3,5	3,5	3,5	3,5		3,9	3,9	TX 15
4		4	4	4	4,2	4,2	TX 20
5	5	5	5	5	4,8/5,5	4,8/5,5	TX 25
	4,5/5						TX 27
6	6	6	6	6	6,3	6,3	TX 30
8	8	8	8	8	8		TX 40
							TX 45
10	10	10	10	10	10		TX50
	12				12		TX 55
	14						TX 60

Bit TORSION 1/4" DIN/ISO 1173 Forma C 6,3 - profil TORX®

• *TORSION - versiune forjata pentru a se potrivi perfect la aplicatii grele (ex. lemn dur, metal)*
• *cuplu foarte bun, de aproximativ 110% peste standardul DIN*
• *fara acoperire*





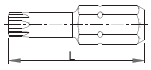
	Dimensiune	L		
60089	TX 10	25	vrac	3.16
60090	TX 15	25	vrac	3.16
60091	TX 20	25	vrac	3.16
60092	TX 25	25	vrac	3.16
60094	TX 30	25	vrac	3.16
60095	TX 40	25	vrac	3.16
02547	TX 10	25	10 (PP*)	40.16
02548	TX 15	25	10 (PP*)	40.16
02549	TX 20	25	10 (PP*)	40.16
02550	TX 25	25	10 (PP*)	40.16
02552	TX 30	25	10 (PP*)	40.16
02553	TX 40	25	10 (PP*)	40.16



Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 profil TORX® cu gaura

• *STANDARD - versiune frezata*
• *fara acoperire*



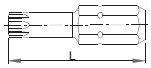


	Dimensiune	L		
60202	TX BO 07	25	vrac	2.93
60203	TX BO 08	25	vrac	2.93
60204	TX BO 09	25	vrac	2.93
60205	TX BO 10	25	vrac	2.93
60206	TX BO 15	25	vrac	2.93
60207	TX BO 20	25	vrac	2.93
60208	TX BO 25	25	vrac	2.93
60209	TX BO 27	25	vrac	2.93
60210	TX BO 30	25	vrac	2.93
60211	TX BO 40	25	vrac	2.93
01292	TX BO 07	25	10 (PP*)	37.87
01293	TX BO 08	25	10 (PP*)	37.87
01294	TX BO 09	25	10 (PP*)	37.87
01295	TX BO 10	25	10 (PP*)	37.87
01296	TX BO 15	25	10 (PP*)	37.87
01297	TX BO 20	25	10 (PP*)	37.87
01298	TX BO 25	25	10 (PP*)	37.87
01299	TX BO 27	25	10 (PP*)	37.87
01300	TX BO 30	25	10 (PP*)	37.87
01301	TX BO 40	25	10 (PP*)	37.87

Bit TORSION 1/4" DIN/ISO 1173
Forma C 6,3 - profil TORX® T-Rip

• TORSION - versiune forjata pentru a se potrivi perfect la aplicatii grele (ex. lemn dur, metal)
• cuplu foarte bun, de aproximativ 110% peste standardul DIN
• fara acoperire





	Dimensiune	L		
60541	T-Rip 10	25	vrac	**3.56**
60542	T-Rip 15	25	vrac	**3.56**
60543	T-Rip 20	25	vrac	**3.56**
60544	T-Rip 25	25	vrac	**3.56**
60545	T-Rip 30	25	vrac	**3.56**
60546	T-Rip 40	25	vrac	**3.56**
02790	T-Rip 10	25	10 (PP*)	**40.16**
02791	T-Rip 15	25	10 (PP*)	**40.16**
02792	T-Rip 20	25	10 (PP*)	**40.16**
02793	T-Rip 25	25	10 (PP*)	**40.16**
02794	T-Rip 30	25	10 (PP*)	**40.16**
02795	T-Rip 40	25	10 (PP*)	**40.16**



INDUSTRY TX Temper

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil TORX® cu gaura

• design de torsiune
• duritate in conformitate cu norma DIN
• sablat
• protectie optima impotriva coroziunii





	Dimensiune	L		
UUSE0012293	TT 10	25	5 (A*)	**96.88**
UUSE0012294	TT 15	25	5 (A*)	**96.88**
UUSE0012295	TT 20	25	5 (A*)	**96.88**
UUSE0012296	TT 25	25	5 (A*)	**96.88**
UUSE0012298	TT 30	25	5 (A*)	**96.88**
UUSE0012299	TT 40	25	5 (A*)	**96.88**

	Nm	A Ref. in mm
TX 1	0,10	0,84
TX 2	0,14	0,94
TX 3	0,25	1,12
TX 4	0,37	1,30
TX 5	0,51	1,37
TX 6	0,91	1,65
TX 7	1,7	1,97
TX 8	2,6	2,30
TX 9	3,4	2,48
TX 10	4,5	2,72
TX 15	7,7	3,26
TX 20	12,7	3,84
TX 25	19,0	4,40
TX 27	26,9	4,96
TX 30	37,4	5,49
TX 40	65,1	6,60
TX 45	104	7,70
TX 50	159	8,79
TX 55	257	11,17
TX 60	445	13,20
TX 70	701	15,49

1607 IMP — NOU

Bit hexagonal 1/4" DIN/ISO 1173
Forma C 6,3 - Profil TORX®

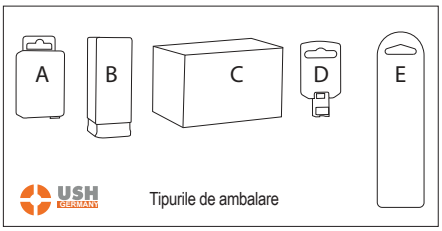
• IMPACT





	Dimensiune	L	D		
1000036063	T 10	25	-	vrac	**16.24**
1000036070	T 15	25	-	vrac	**16.24**
1000036071	T 20	25	4,0	vrac	**16.24**
1000036072	T 25	25	4,5	vrac	**16.24**
1000036073	T 30	25	6,0	vrac	**16.24**
1000036074	T 40	25	-	vrac	**16.24**

Modalitati de ambalare





*Ambalare punga polietilena **PP***



*Ambalare cutie plastic **SYS***

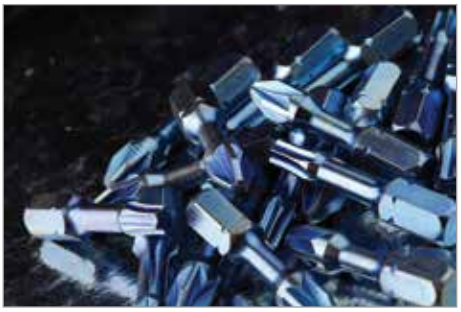
Bit hexagonal 1/4" de IMPACT BLUE SHOCK DIN/ISO 1173
Forma E 6,3 - profil TORX®

• bitul dispune o zona de torsiune studiata si alungita pentru a rezista la cupluri ridicate si socuri violente in timpul utilizarii pe o masina de insurubat cu impact
• duritate proiectata special pentru utilizarea pe masini de insurubat cu impact de mare putere
• varf ranforsat cu inel de sprijin pentru o durata de utilizare prelungita
• zona de torsiune este ranforsata din partea superioara si cea inferioara pentru o legatura mai puternica intre varf si corp si pentru a preveni ruperea bitului.





	Dimensiune	L		
UUSE0062493	TX 10	30	5 (A*)	**64.24**
UUSE0062494	TX 15	30	5 (A*)	**64.24**
UUSE0062495	TX 20	30	5 (A*)	**64.24**
UUSE0062496	TX 25	30	5 (A*)	**64.24**
UUSE0062498	TX 30	30	5 (A*)	**64.24**
UUSE0062499	TX 40	30	5 (A*)	**64.24**
UUSL0062495	TX 20	30	25 (A*)	**214.65**
UUSL0062496	TX 25	30	25 (A*)	**214.65**
UUSL0062498	TX 30	30	25 (A*)	**214.65**



Bit IMPACT TORSION 1/4" DIN/ISO 1173 - Forma C 6,3 profil TORX®

• IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie
• fara acoperire
• material special
• tratament special





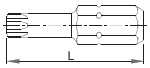
	Dimensiune	L		
10106	TX 10	30	vrac	**3.73**
COB-10107	TX 15	30	vrac	**3.73**
10108	TX 20	30	vrac	**3.73**
10109	TX 25	30	vrac	**3.73**
10110	TX 30	30	vrac	**3.73**
COB-10111	TX 40	30	vrac	**3.73**
02506	TX 10	30	10 (SYS**)	**45.90**
02507	TX 15	30	10 (SYS**)	**45.90**
02508	TX 20	30	10 (SYS**)	**45.90**
02509	TX 25	30	10 (SYS**)	**45.90**
02510	TX 30	30	10 (SYS**)	**45.90**
02511	TX 40	30	10 (SYS**)	**45.90**

1607 TOR

Bit TORSION 1/4" DIN/ISO 1173 - Forma C 6,3 profil TORX®

- *IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *fara acoperire*
- *material special*
- *tratament special*





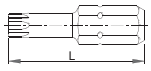
	Dimensiune	L		
1000033326	TX 7	25	vrac	10.40
1000031588	TX 8	25	vrac	10.40
1000031587	TX 9	25	vrac	9.76
1000031586	TX 10	25	vrac	9.76
1000031569	TX 15	25	vrac	9.76
1000031570	TX 20	25	vrac	9.76
1000031571	TX 25	25	vrac	9.76
1000031572	TX 27	25	vrac	9.76
1000031573	TX 30	25	vrac	9.76
1000031574	TX 40	25	vrac	9.76



Bit TiN CVD 1/4" DIN/ISO 1173 - Forma C 6,3 - profil TORX®

- *Titan TiN - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *acoperire Titan CVD pentru rezistenta mare la uzura*
- *duritatea suprafetei aproximativ 92-95 HRc*





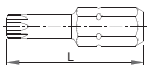
	Dimensiune	L		
03020	TX 10	25	vrac	4.30
03021	TX 15	25	vrac	4.30
03022	TX 20	25	vrac	4.30
03023	TX 25	25	vrac	4.30
03025	TX 30	25	vrac	4.30
03026	TX 40	25	vrac	4.30
02621	TX 10	25	10 (PP*)	54.64
02622	TX 15	25	10 (PP*)	54.64
02623	TX 20	25	10 (PP*)	54.64
02624	TX 25	25	10 (PP*)	54.64
02625	TX 30	25	10 (PP*)	54.64
02626	TX 40	25	10 (PP*)	54.64

Bit DIAMOND TiN IMPACT 1/4" DIN/ISO 1173 - Forma C 6,3 - profil TORX®

- *DIAMANT Titan TiN CVD IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *material special*
- *tratament special*
- *particulele de diamant reduc forta de respingere a surubului*
- *duritatea suprafetei aproximativ 92-95 HRc*







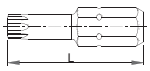
	Dimensiune	L		
60231	TX 10	25	vrac	12.62
60232	TX 15	25	vrac	12.62
60233	TX 20	25	vrac	12.62
60234	TX 25	25	vrac	12.62
60235	TX 27	25	vrac	12.62
60236	TX 30	25	vrac	12.62
60237	TX 40	25	vrac	12.62
03201	TX 10	25	5 (SYS**)	71.72
03202	TX 15	25	5 (SYS**)	71.72
03203	TX 20	25	5 (SYS**)	71.72
03204	TX 25	25	5 (SYS**)	71.72
03205	TX 27	25	5 (SYS**)	71.72
03206	TX 30	25	5 (SYS**)	71.72
03207	TX 40	25	5 (SYS**)	71.72

STAINLESS STEEL TX

Bit hexagonal 1/4" DIN 3126 Forma C 6,3 - profil TORX®

- *material: otel inoxidabil*
- *protectie optima impotriva coroziunii*
- *rugina externa pe otelul inoxidabil este rezultatul abraziunii la strangerea suruburilor folosind scule obisnuite din otel; materialul prelucrat cu astfel de instrumente prinde particule de otel care adera la suruburi si este transformat, in prezenta oxigenului, in rugina; folosirea biților din otel inoxidabil previne formarea ruginii externe pe suruburile sau suprafetele din otel inoxidabil*





	Dimensiune	L		
UUSE0062093N	TX 10	25	5 (A*)	86.37
UUSE0062094N	TX 15	25	5 (A*)	86.37
UUSE0062095N	TX 20	25	5 (A*)	86.37
UUSE0062096N	TX 25	25	5 (A*)	86.37
UUSE0062098N	TX 30	25	5 (A*)	86.37
UUSE0062099N	TX 40	25	5 (A*)	86.37

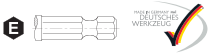


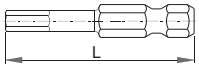
76507E6,3

Bit cu profil TORX®, varianta lunga

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*





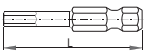


	Dimensiune	L	D		
70133801	TX 10	50	4.0	vrac	3.09
70134201	TX 15	50	4.0	vrac	3.09
70134601	TX 20	50	4.5	vrac	3.09
70135001	TX 25	50	5.0	vrac	3.09
70135801	TX 30	50	6.0	vrac	3.09
70136201	TX 40	50	1/4"	vrac	3.09
900542	TX 10	50	4.0	3 (PP*)	10.65
900543	TX 15	50	4.0	3 (PP*)	10.65
900544	TX 20	50	4.5	3 (PP*)	10.65
900545	TX 25	50	5.0	3 (PP*)	10.65
900546	TX 30	50	6.0	3 (PP*)	10.65
900547	TX 40	50	1/4"	3 (PP*)	10.65
70133805	TX 10	50	4.0	5 (PP*)	18.89
70134205	TX 15	50	4.0	5 (PP*)	18.89
70134605	TX 20	50	4.5	5 (PP*)	18.89
70135005	TX 25	50	5.0	5 (PP*)	18.89
70135805	TX 30	50	6.0	5 (PP*)	18.89
70136205	TX 40	50	1/4"	5 (PP*)	18.89
70133810	TX 10	50	4.0	10 (PP*)	37.79
70134210	TX 15	50	4.0	10 (PP*)	37.79
70134610	TX 20	50	4.5	10 (PP*)	37.79
70135010	TX 25	50	5.0	10 (PP*)	37.79
70135810	TX 30	50	6.0	10 (PP*)	37.79
70136210	TX 40	50	1/4"	10 (PP*)	37.79

Bit TORSION 1/4" DIN/ISO 1173 Forma E 6,3 - profil TORX®

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 95% peste standardul DIN*
- *fara acoperire*





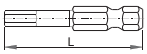
	Dimensiune	L		
60441	TX 10	50	vrac	5.45
60442	TX 15	50	vrac	5.45
60443	TX 20	50	vrac	5.45
60444	TX 25	50	vrac	5.45
60445	TX 27	50	vrac	5.45
60446	TX 30	50	vrac	5.45
60447	TX 40	50	vrac	5.45
01338	TX 10	50	10 (PP*)	63.11
01342	TX 15	50	10 (PP*)	63.11
01346	TX 20	50	10 (PP*)	63.11
01350	TX 25	50	10 (PP*)	63.11
01354	TX 27	50	10 (PP*)	63.11
01358	TX 30	50	10 (PP*)	63.11
01362	TX 40	50	10 (PP*)	63.11

Bit TORSION 1/4" DIN/ISO 1173
Forma E 6,3 - profil TORX®

- *TORSION - versiune forjata pentru a se potrivi perfect la aplicatii grele (ex. lemn dur, metal)*
- *cuplu foarte bun, de aproximativ 100% peste standardul DIN*
- *fara acoperire*



cobit tool technology



	Dimensiune	L		
60102	TX 10	50	vrac	5.45
60103	TX 15	50	vrac	5.45
60104	TX 20	50	vrac	5.45
60105	TX 25	50	vrac	5.45
60107	TX 30	50	vrac	5.45
60108	TX 40	50	vrac	5.45
02808	TX 10	50	5 (PP*)	35.86
02809	TX 15	50	5 (PP*)	35.86
02810	TX 20	50	5 (PP*)	35.86
02811	TX 25	50	5 (PP*)	35.86
02812	TX 30	50	5 (PP*)	35.86
02813	TX 40	50	5 (PP*)	35.86

INDUSTRY TX L

Bit hexagonal 1/4" DIN 3126 -
Forma E 6,3 - profil TORX® lung

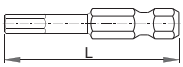
- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



USH GERMANY

TORSIONFLEX

Long Life



	Dimensiune	L		
UUSE0103654[1]	TX 10	50	5 (A*)	128.98
UUSE0103655[1]	TX 15	50	5 (A*)	128.98
UUSE0103656[1]	TX 20	50	5 (A*)	128.98
UUSE0103657[1]	TX 25	50	5 (A*)	128.98
UUSE0103658[1]	TX 27	50	5 (A*)	128.98
UUSE0103659[1]	TX 30	50	5 (A*)	128.98
UUSE0103660[1]	TX 40	50	5 (A*)	128.98

([1]) *profil de torsiune*

INDUSTRY TX XL

Bit hexagonal 1/4" DIN 3126 -
Forma E 6,3 - profil TORX® lung

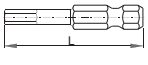
- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



USH GERMANY

TORSIONFLEX

Long Life



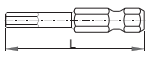
	Dimensiune	L		
UUSZ0136095	TX 20	90	1 (D*)	53.71
UUSZ0136096	TX 25	90	1 (D*)	53.71
UUSZ0136097	TX 27	90	1 (D*)	53.71
UUSZ0136098	TX 30	90	1 (D*)	53.71
UUSZ0136099	TX 40	90	1 (D*)	53.71

Bit TORSION 1/4" DIN/ISO 1173
Forma E 6,3 - profil TORX®

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 80% peste standardul DIN*
- *fara acoperire*



cobit tool technology



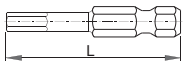
	Dimensiune	L		
60454	TX 10	70	vrac	8.03
60455	TX 15	70	vrac	8.03
60456	TX 20	70	vrac	8.03
60457	TX 25	70	vrac	8.03
60458	TX 30	70	vrac	8.03
60459	TX 40	70	vrac	8.03
01339	TX 10	70	5 (PP*)	48.77
01343	TX 15	70	5 (PP*)	48.77
01347	TX 20	70	5 (PP*)	48.77
01351	TX 25	70	5 (PP*)	48.77
01359	TX 30	70	5 (PP*)	48.77
01363	TX 40	70	5 (PP*)	48.77

Bit TORSION 1/4" DIN/ISO 1173
Forma E 6,3 - profil TORX®

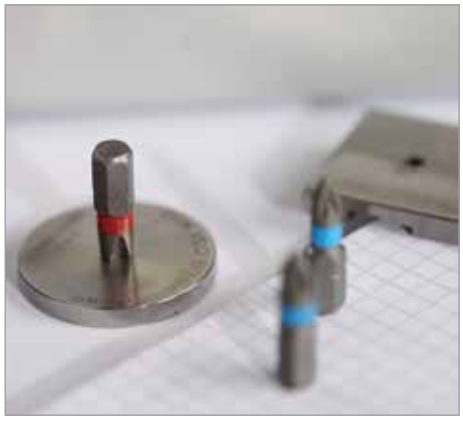
- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 80% peste standardul DIN*
- *fara acoperire*



cobit tool technology



	Dimensiune	L		
60460	TX 10	90	vrac	10.90
60461	TX 15	90	vrac	10.90
60462	TX 20	90	vrac	10.90
60463	TX 25	90	vrac	10.90
60464	TX 30	90	vrac	10.90
60465	TX 40	90	vrac	10.90
01340	TX 10	90	5 (PP*)	63.11
01344	TX 15	90	5 (PP*)	63.11
01348	TX 20	90	5 (PP*)	63.11
01352	TX 25	90	5 (PP*)	63.11
01360	TX 30	90	5 (PP*)	63.11
01364	TX 40	90	5 (PP*)	63.11

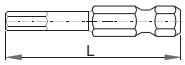


Bit TORSION 1/4" DIN/ISO 1173
Forma E 6,3 - profil TORX®

- *TORSION - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*
- *cuplu foarte bun, de aproximativ 80% peste standardul DIN*
- *fara acoperire*



cobit tool technology



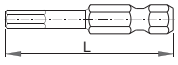
	Dimensiune	L		
60478	TX 10	150	vrac	18.07
60479	TX 15	150	vrac	18.07
60480	TX 20	150	vrac	18.07
60481	TX 25	150	vrac	18.07
60482	TX 30	150	vrac	18.07
60483	TX 40	150	vrac	18.07
01341	TX 10	150	5 (PP*)	98.97
01345	TX 15	150	5 (PP*)	98.97
01349	TX 20	150	5 (PP*)	98.97
01353	TX 25	150	5 (PP*)	98.97
01361	TX 30	150	5 (PP*)	98.97
01365	TX 40	150	5 (PP*)	98.97

Bit IMPACT TORSION 1/4"
DIN/ISO 1173 - Forma E 6,3
profil TORX® T-Rip

- *IMPACT TORSION – versiune forjata pentru toate masinile de insurubat cu impact, impuls sau percutie*
- *fara acoperire*
- *material special*
- *tratament special*



cobit tool technology

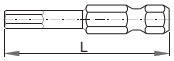


	Dimensiune	L		
60547	T-Rip 10	50	vrac	9.17
60548	T-Rip 15	50	vrac	9.17
60549	T-Rip 20	50	vrac	9.17
60550	T-Rip 25	50	vrac	9.17
60551	T-Rip 30	50	vrac	9.17
60552	T-Rip 40	50	vrac	9.17
03528	T-Rip 10	50	5 (SYS**)	53.10
03529	T-Rip 15	50	5 (SYS**)	53.10
03530	T-Rip 20	50	5 (SYS**)	53.10
03531	T-Rip 25	50	5 (SYS**)	53.10
03532	T-Rip 30	50	5 (SYS**)	53.10
03533	T-Rip 40	50	5 (SYS**)	53.10

Bit hexagonal 1/4" BLUE SHOCK Forma E 6,3 - profil TORX®

• bitul dispune o zona de torsiune studiata si alungita pentru a rezista la cupluri ridicate si socuri violente in timpul utilizarii pe o masina de
insurubat cu impact
• duritate proiectata special pentru utilizarea pe masini de insurubat cu impact de mare putere
• varf ranforsat cu inel de sprijin pentru o durata de utilizare prelungita
• zona de torsiune este ranforsata din partea superioara si cea inferioara pentru o legatura mai puternica intre varf si corp si pentru a preveni ruperea bitului.



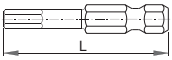


	Dimensiune	L		
UUSE0063493	TX 10	50	5 (A*)	83.58
UUSE0063494	TX 15	50	5 (A*)	83.58
UUSE0063495	TX 20	50	5 (A*)	83.58
UUSE0063496	TX 25	50	5 (A*)	83.58
UUSE0063498	TX 30	50	5 (A*)	83.58
UUSE0063499	TX 40	50	5 (A*)	83.58

Bit TORSION TiN CVD 1/4" DIN/ISO 1173 - Forma E 6,3 - profil TORX®

• Titan TiN - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)
• acoperire Titan CVD pentru rezistenta mare la uzura
• duritatea suprafetei aproximativ 92-95 HRc





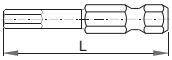
	Dimensiune	L		
03040	TX 10	50	vrac	9.18
03041	TX 15	50	vrac	9.18
03042	TX 20	50	vrac	9.18
03043	TX 25	50	vrac	9.18
03045	TX 30	50	vrac	9.18
03046	TX 40	50	vrac	9.18
02755	TX 10	50	5 (PP*)	54.51
02756	TX 15	50	5 (PP*)	54.51
02757	TX 20	50	5 (PP*)	54.51
02758	TX 25	50	5 (PP*)	54.51
02759	TX 30	50	5 (PP*)	54.51
02760	TX 40	50	5 (PP*)	54.51

1607 ZRN

Bit TiN 1/4" DIN/ISO 1173 - Forma E 6,3 profil TORX®

• Titan TiN - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)
• acoperire Titan CVD pentru rezistenta mare la uzura
• duritatea suprafetei aproximativ 92-95 HRc





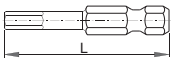
	Dimensiune	L	D		
1000029782	TX 10	50	3,0	vrac	33.45
1000028975	TX 15	50	4,0	vrac	33.45
1000029421	TX 20	50	4,5	vrac	33.45
1000029700	TX 25	50	6,0	vrac	33.45
1000029100	TX 30	50	6,0	vrac	33.45
1000031182	TX 40	50	-	vrac	33.45

1617 NOU

Bit hexagonal 1/4" DIN/ISO 1173 - E6,3 cu profil TORX®

• material: aliaj special S2 (1.2381 / 73 Mo V 5 2)
• duritate material: 58 +/- 2 HRc
• in conformitate cu standardele DIN 3126 ISO 1173
• durabilitate ridicata
• protectie anticoroziva
• pentru lucrul manual si cu masina
• pentru prindere magnetica sau non-magnetica



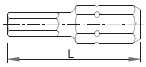


	Dimensiune	L	D		
1000007273	TX 06	70	3,0	vrac	22.79
1000028422	TX 07	70	3,0	vrac	22.79
1000007309	TX 08	70	3,0	vrac	22.79
1000012962	TX 09	70	3,0	vrac	22.79
1000007354	TX 10	70	3,0	vrac	18.56
1000007408	TX 15	70	4,0	vrac	18.56
1000007462	TX 20	70	4,5	vrac	18.56
1000007516	TX 25	70	6,0	vrac	18.56
1000007552	TX 27	70	6,0	vrac	18.56
1000007597	TX 30	70	6,0	vrac	18.56
1000007624	TX 40	70	-	vrac	18.56
1000027578	TX 06	90	3,0	vrac	41.03
1000027581	TX 07	90	3,0	vrac	41.03
1000027588	TX 08	90	3,0	vrac	26.45
1000027593	TX 09	90	3,0	vrac	25.62
1000027601	TX 10	90	3,0	vrac	25.62
1000027614	TX 15	90	4,0	vrac	25.62
1000027627	TX 20	90	4,5	vrac	25.62
1000027637	TX 25	90	6,0	vrac	25.62
1000027641	TX 27	90	6,0	vrac	25.62
1000027646	TX 30	90	6,0	vrac	25.62
1000027653	TX 40	90	-	vrac	25.62
1020006141	TX 10	127	3,0	vrac	55.22
1020006143	TX 15	127	4,0	vrac	39.81
1020006146	TX 20	127	4,5	vrac	39.81
1020006151	TX 25	127	6,0	vrac	39.81
1020006157	TX 27	127	6,0	vrac	43.21
1020006158	TX 30	127	6,0	vrac	43.21
1020006163	TX 40	127	7,0	vrac	39.81
1000029055	TX 06	152	3,0	vrac	61.83
1000036509	TX 07	152	3,0	vrac	61.83
1000007291	TX 08	152	3,0	vrac	61.83
1000027590	TX 09	152	3,0	vrac	60.93
1000029057	TX 10	152	3,0	vrac	44.88
1000027608	TX 15	152	4,0	vrac	44.88
1000007435	TX 20	152	4,5	vrac	44.88
1000031068	TX 25	152	6,0	vrac	44.88
1020006170	TX 27	152	6,0	vrac	41.35
1000007579	TX 30	152	6,0	vrac	44.88
1000027650	TX 40	152	7,0	vrac	44.88
1020013893	TX 20	200	4,5	vrac	48.20
1020013853	TX 25	200	6,0	vrac	48.20
1020038281	TX 30	200	6,0	vrac	48.20
1020014024	TX 25	250	6,0	vrac	53.36
1020013840	TX 30	250	6,0	vrac	53.36
1020013954	TX 25	300	6,0	vrac	56.80

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3, profil Torx® Plus®

• STANDARD - versiune frezata
• DIN / ISO 2936
• fara acoperire





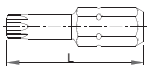
	Dimensiune	L		
60219	IP 10	25	vrac	3.16
60220	IP 15	25	vrac	3.16
60221	IP 20	25	vrac	3.16
60222	IP 25	25	vrac	3.16
60223	IP 30	25	vrac	3.16
60224	IP 40	25	vrac	3.16

1607 IPR NOU

Bit hexagonal 1/4" DIN/ISO 1173 - C6,3 - profil Torx® - IPR

• otel special aliat
• durabilitate ridicata
• protectie anticoroziva
• pentru lucrul manual si cu masina
• pentru prindere magnetica sau nonmagnetica
• in concordanta cu standardul ISO 2351



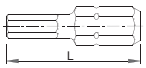


	Dimensiune	L		
1000035015	IPR 10	25	vrac	42.80
1000035016	IPR 15	25	vrac	42.80
1000035017	IPR 20	25	vrac	42.80
1000033312	IPR 25	25	vrac	42.80
1000036401	IPR 27	25	vrac	42.80
1000033291	IPR 30	25	vrac	42.80
1000035018	IPR 40	25	vrac	42.80

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3, profil Torx® Plus® security

• STANDARD - versiune frezata
• DIN / ISO 2936
• fara acoperire





	Dimensiune	L		
60225	IPR 10	25	vrac	3.73
60226	IPR 15	25	vrac	3.73
60227	IPR 20	25	vrac	3.73
60228	IPR 25	25	vrac	3.73
60229	IPR 30	25	vrac	3.73
60230	IPR 40	25	vrac	3.73

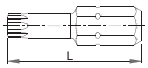
1607 TT

NOU

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3, profil Torx® cu gaura

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*





	Dimensiune	L	D		
1000027468	TT 07	25	-	vrac	7.51
1000027469	TT 08	25	-	vrac	7.51
1000027475	TT 09	25	-	vrac	7.51
1000012899	TT 10	25	-	vrac	7.51
1000012908	TT 15	25	-	vrac	7.51
1000012917	TT 20	25	-	vrac	7.51
1000012926	TT 25	25	-	vrac	7.51
1000012935	TT 27	25	-	vrac	7.51
1000012944	TT 30	25	-	vrac	7.51
1000012953	TT 40	25	-	vrac	7.51
1000029339	TT 45	35	-	vrac	35.89

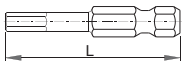
1617 TT

NOU

Bit 1/4" DIN/ISO 1173 - E6,3 cu profil TORX®, lung cu gaura

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*



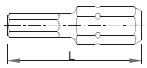


	Dimensiune	L	D		
1000027584	TT 08	50	3,0	vrac	27.61
1000031416	TT 09	50	3,0	vrac	27.61
1000027597	TT 10	50	3,0	vrac	27.61
1000027611	TT 15	50	4,0	vrac	27.61
1000027625	TT 20	50	4,5	vrac	27.61
1000027635	TT 25	50	6,0	vrac	27.61
1000027639	TT 27	50	6,0	vrac	27.61
1000027645	TT 30	50	6,0	vrac	27.61
1000027652	TT 40	50	-	vrac	27.61
1000027586	TT 08	70	3,0	vrac	37.82
1000029917	TT 09	70	3,0	vrac	36.79
1000013161	TT 10	70	3,0	vrac	36.79
1000027613	TT 15	70	4,0	vrac	36.79
1000013162	TT 20	70	4,5	vrac	36.79
1000013163	TT 25	70	6,0	vrac	36.79
1000027640	TT 27	70	6,0	vrac	36.79
1000013164	TT 30	70	6,0	vrac	36.79
1000013165	TT 40	70	-	vrac	36.79
1000029898	TT 08	90	3,0	vrac	45.14
1000029918	TT 09	90	3,0	vrac	45.14
1000027602	TT 10	90	3,0	vrac	45.14
1000027615	TT 15	90	4,0	vrac	45.14
1000027628	TT 20	90	4,5	vrac	45.14
1000028459	TT 25	90	6,0	vrac	45.14
1000031840	TT 27	90	6,0	vrac	45.14
1000027647	TT 30	90	6,0	vrac	45.14
1000027654	TT 40	90	-	vrac	45.14
1000036511	TT 10	152	3,0	vrac	66.52
1000027609	TT 15	152	4,0	vrac	66.52
1000027622	TT 20	152	4,5	vrac	66.52
1000027634	TT 25	152	6,0	vrac	66.52
1000027644	TT 30	152	6,0	vraC	66.52

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3, profil Torx® Ball

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*





	Dimensiune	L		
60070	TX Ball 10	25	vrac	5.45
60071	TX Ball 15	25	vrac	5.45
60072	TX Ball 20	25	vrac	5.45
60073	TX Ball 25	25	vrac	5.45
60074	TX Ball 30	25	vrac	5.45
60075	TX Ball 40	25	vrac	5.45

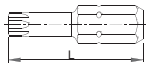
1807

NOU

Bit hexagonal 5/16" DIN 3126 - Forma C 8 - profil TORX®

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*





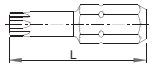
	Dimensiune	L	D		
1000027688	TX 15	35	4,0	vrac	23.88
1000011530	TX 20	35	4,5	vrac	23.88
1000011539	TX 25	35	6,0	vrac	23.82
1000011548	TX 27	35	6,0	vrac	23.82
1000011557	TX 30	35	6,0	vrac	23.82
1000011566	TX 40	35	-	vrac	23.82
1000011575	TX 45	35	-	vrac	23.82
1000011584	TX 50	35	-	vrac	28.19
1000011593	TX 55	35	12,0	vrac	29.98

QUALITY INDUSTRY TX

Bit hexagonal 5/16" DIN 3126 - Forma C 8 - profil TORX®

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*





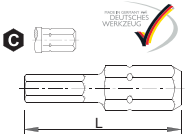
	Dimensiune	L		
UUSE0012596	TX 25	35	5 (A*)	199.82
UUSE0012598	TX 30	35	5 (A*)	199.82
UUSE0012599	TX 40	35	5 (A*)	199.82
UUSE0012600	TX 45	35	5 (A*)	199.82
UUSE0012601	TX 50	35	5 (A*)	221.30
UUSE0012602	TX 55	35	5 (A*)	238.49

76469C6,3

Bit hexagonal 1/4" Forma C 6,3 - profil hexagon

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*



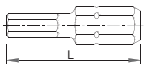


	Dimensiune	L	D		
70104901	HX 3	25	4.0	vrac	1.83
70105001	HX 4	25	4.0	vrac	1.83
70105101	HX 5	25	6.0	vrac	1.83
70105201	HX 6	25	6.0	vrac	1.83
900529	HX 3	25	4.0	3 (PP*)	6.88
900530	HX 4	25	4.0	3 (PP*)	6.88
900531	HX 5	25	6.0	3 (PP*)	6.88
900532	HX 6	25	6.0	3 (PP*)	6.88
70104905	HX 3	25	4.0	5 (PP*)	12.60
70105005	HX 4	25	4.0	5 (PP*)	12.60
70105105	HX 5	25	6.0	5 (PP*)	12.60
70105205	HX 6	25	6.0	5 (PP*)	12.60
70104910	HX 3	25	4.0	10 (PP*)	25.19
70105010	HX 4	25	4.0	10 (PP*)	25.19
70105110	HX 5	25	6.0	10 (PP*)	25.19
70105210	HX 6	25	6.0	10 (PP*)	25.19
70104925	HX 3	25	4.0	25 (PP*)	62.99
70105025	HX 4	25	4.0	25 (PP*)	62.99
70105125	HX 5	25	6.0	25 (PP*)	62.99
70105225	HX 6	25	6.0	25 (PP*)	62.99

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 - profil hexagon

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*





	Dimensiune	L		
60241	HEX 2,0	25	vrac	2.01
60242	HEX 2,5	25	vrac	2.01
60243	HEX 3,0	25	vrac	2.01
60244	HEX 4,0	25	vrac	2.01
60245	HEX 5,0	25	vrac	2.01
60246	HEX 6,0	25	vrac	2.01
60247	HEX 7,0	25	vrac	4.30
60248	HEX 8,0	25	vrac	4.30
01047	HEX 2,0	25	10 (PP*)	28.69
01048	HEX 2,5	25	10 (PP*)	28.69
01049	HEX 3,0	25	10 (PP*)	28.69
01050	HEX 4,0	25	10 (PP*)	28.69
01051	HEX 5,0	25	10 (PP*)	28.69
01052	HEX 6,0	25	10 (PP*)	28.69
01053	HEX 7,0	25	10 (PP*)	51.64
01054	HEX 8,0	25	10 (PP*)	51.64

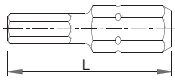
Suruburi cu locas hexagonal Ø in mm					Dimensiune
DIN912	DIN 7984	DIN 7991	DIN 913 - DIN 914 DIN 915 - DIN 916	DIN 908	SW
			M 1.4 / M 1.8		0.7
			M 2		0.9
M 7					
M 1.6 / M 2			M 3		1.5
M 2.5	M 3	M 3	M 4		2
M 3	M 4	M 4	M 5		2.5
M 4	M 5	M 5	M 6		3
M 5	M 6	M 6	M 8		4
M 6	M 8	M 8	M 10	M 10	5
M 8		M 10	M 12/ M 14	M 12 / M 14	6
M 10	M 12	M 12	M 16	M 16 / M 18	8
M12	M 14	M 14 / M 16	M 18 / M 20	M 20 / M 22	10
M 14	M 16 / M 18	M 18 / M 20	M 22 / M 24	M 24 / M 28	12

1500 CR

Bit hexagonal 1/4" DIN/ISO 1173 - Forma C 6,3 - profil hexagon

- *DIN / ISO 2936*
- *cu inel identificare*





	Dimensiune	L		
1000015072	HX 2	25	vrac	9.76
1000015073	HX 2,5	25	vrac	9.76
1000015074	HX 3	25	vrac	9.76
1000015075	HX 4	25	vrac	9.76
1000015076	HX 5	25	vrac	9.76
1000015077	HX 6	25	vrac	9.76

INDUSTRY HEX

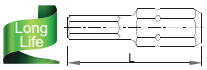
Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil hexagonal

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



DIN 7426

TORSIONFLEX



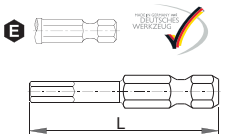
	Dimensiune	L		
UUSG0012069	HEX 2	25	10 (A*)	126.85
UUSG0012070	HEX 2,5	25	10 (A*)	126.85
UUSG0012071	HEX 3	25	10 (A*)	126.85
UUSG0012072	HEX 4	25	10 (A*)	126.85
UUSG0012073	HEX 5	25	10 (A*)	126.85
UUSG0012074	HEX 6	25	10 (A*)	126.85
UUSG0012075	HEX 7	25	10 (A*)	177.52

76515E6,3

Bit cu profil hexagonal, varianta lunga

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*



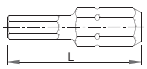


	Dimensiune	L	D		
70108701	HX 3	50	4.0	vrac	2.74
70108801	HX 4	50	4.0	vrac	2.74
70108901	HX 5	50	6.0	vrac	2.74
70109001	HX 6	50	1/4"	vrac	2.74
900548	HX 3	50	4.0	3 (PP*)	9.62
900549	HX 4	50	4.0	3 (PP*)	9.62
900550	HX 5	50	6.0	3 (PP*)	9.62
900551	HX 6	50	1/4"	3 (PP*)	9.62
70108705	HX 3	50	4.0	5 (PP*)	17.17
70108805	HX 4	50	4.0	5 (PP*)	17.17
70108905	HX 5	50	6.0	5 (PP*)	17.17
70109005	HX 6	50	1/4"	5 (PP*)	17.17
70108710	HX 3	50	4.0	10 (PP*)	34.35
70108810	HX 4	50	4.0	10 (PP*)	34.35
70108910	HX 5	50	6.0	10 (PP*)	34.35
70109010	HX 6	50	1/4"	10 (PP*)	34.35

Bit TORSION 1/4" DIN/ISO 1173 Forma C 6,3 - profil hexagon T-Rip

- *TORSION - versiune forjata pentru a se potrivi perfect la aplicatii grele (ex. lemn dur, metal)*
- *cuplu foarte bun, de aproximativ 110% peste standardul DIN*
- *DIN / ISO 2936*
- *fara acoperire*





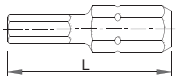
	Dimensiune	L		
60725	HEX 1,5 H-Rip	25	vrac	2.93
60726	HEX 2,0 H-Rip	25	vrac	2.93
60727	HEX 2,5 H-Rip	25	vrac	2.93
60728	HEX 3,0 H-Rip	25	vrac	2.93
60729	HEX 4,0 H-Rip	25	vrac	2.93
60730	HEX 5,0 H-Rip	25	vrac	2.93
60731	HEX 6,0 H-Rip	25	vrac	2.93
02882	HEX 1,5 H-Rip	25	10 (PP*)	37.87
02883	HEX 2,0 H-Rip	25	10 (PP*)	37.87
02884	HEX 2,5 H-Rip	25	10 (PP*)	37.87
02885	HEX 3,0 H-Rip	25	10 (PP*)	37.87
02886	HEX 4,0 H-Rip	25	10 (PP*)	37.87
02887	HEX 5,0 H-Rip	25	10 (PP*)	37.87
02888	HEX 6,0 H-Rip	25	10 (PP*)	37.87

1604 TIN NOU

Bit TiN 1/4" DIN/ISO 1173 - Forma E 6,3 profil hexagon

- *Titan TiN - versiune frezata pentru a se potrivi perfect la aplicatii usoare (ex. lemn de esenta moale)*





	Dimensiune	L		
1000030236	HX 2	25	vrac	19.71
1000028553	HX 3	25	vrac	19.71
1000028554	HX 4	25	vrac	19.71
1000028696	HX 5	25	vrac	19.71
1000029426	HX 6	25	vrac	19.71

Cupluri de testare pentru biti profil hexagon

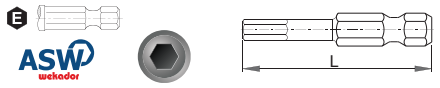
	Nm		Nm
0,7	0,08	8	120
0,9	0,18	9	180
1,3	0,53	10	220
1,5	0,82	11	295
2,0	1,9	12	370
2,5	3,8	13	480
3	6,6	14	590
3,5	11	17	1.000
4	16	19	1.000
4,5	24	22	1.000
5	30	24	1.000
6	52	27	1.000
7	78		

1614 NOU

Bit 1/4" DIN/ISO 1173 - E6,3 cu profil hexagonal, varianta lunga

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*





	Dimensiune	L	D		
1000005932	HX 1,5	70	3,0	vrac	29.34
1000005653	HX 2	70	3,0	vrac	29.34
1000005950	HX 2,5	70	3,5	vrac	29.34
1000005689	HX 3	70	4,0	vrac	29.34
1000005743	HX 4	70	5,0	vrac	29.34
1000005797	HX 5	70	6,0	vrac	29.34
1000005833	HX 6	70	7,0	vrac	29.34
1000005851	HX 7	70	8,0	vrac	30.75
1000005869	HX 8	70	10,0	vrac	36.02
1000005662	HX 2	90	3,0	vrac	31.14
1000013401	HX 2,5	90	3,5	vrac	31.14
1000005698	HX 3	90	4,0	vrac	31.14
1000005752	HX 4	90	5,0	vrac	31.14
1000005806	HX 5	90	6,0	vrac	31.14
1000028499	HX 6	90	7,0	vrac	31.14
1000028825	HX 7	90	8,0	vrac	33.13
1000030828	HX 8	90	10,0	vrac	45.14
1000027288	HX 2	152	3,0	vrac	51.17
1000027309	HX 2,5	152	3,5	vrac	51.17
1000036516	HX 3	152	4,0	vrac	51.17
1000036517	HX 4	152	5,0	vrac	51.17
1000013254	HX 5	152	6,0	vrac	51.17
1020002583	HX 5,5	152	6,0	vrac	40.96
1000036518	HX 6	152	7,0	vrac	51.17
1000028714	HX 8	152	10,0	vrac	64.59

NOU

Bit hexagonal 5/16" DIN 3126 - Forma C 8 - profil hexagonal

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*





	Dimensiune	L		
58568	HX 12	30	1	22.53
55286	HX 12	30	5	112.73

Bit hexagonal 1/4" BLUE SHOCK Forma E 6,3 - profil hexagon

- *bitul dispune o zona de torsiune studiata si alungita pentru a rezista la cupluri ridicate si socuri violente in timpul utilizarii pe o masina de insurubat cu impact*
- *duritate proiectata special pentru utilizarea pe masini de insurubat cu impact de mare putere*
- *varf ranforsat cu inel de sprijin pentru o durata de utilizare prelungita*
- *zona de torsiune este ranforsata din partea superioara si cea inferioara pentru o legatura mai puternica intre varf si corp si pentru a preveni ruperea bitului.*





	Dimensiune	L		
UUSE0063471	HX 3	50	5 (A*)	83.58
UUSE0063472	HX 4	50	5 (A*)	83.58
UUSE0063473	HX 5	50	5 (A*)	83.58
UUSE0063474	HX 6	50	5 (A*)	83.58

1804 NOU

Bit hexagonal 5/16" DIN 3126 - Forma C 8 - profil hexagonal

- *TORSION - versiune forjata pentru a se potrivi perfect la aplicatii grele (ex. lemn dur, metal)*
- *cuplu foarte bun, de aproximativ 110% peste standardul DIN*
- *DIN / ISO 2936*
- *fara acoperire*





	Dimensiune	L	Ø		
1000010126	HX 2,5	30	3,5	vrac	19.39
1000010127	HX 3	30	4,0	vrac	19.39
1000010054	HX 4	30	5,0	vrac	19.39
1000010063	HX 5	30	6,0	vrac	19.39
1000010072	HX 6	30	7,0	vrac	19.39
1000010081	HX 7	30	-	vrac	19.39
1000010090	HX 8	30	10,0	vrac	22.02
1000010108	HX 10	30	12,0	vrac	26.45

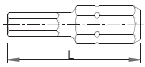
QUALITY INDUSTRY HEX

Bit hexagonal 5/16" DIN 3126 - Forma C 8 - profil hexagonal

- *duritate in conformitate cu norma DIN*
- *protectie optima impotriva coroziunii*



DIN 7426

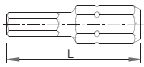


	Dimensiune	L		
UUSE0012571	HEX 3	30	5 (A*)	178.33
UUSE0012572	HEX 4	30	5 (A*)	178.33
UUSE0012573	HEX 5	30	5 (A*)	178.33
UUSE0012574	HEX 6	30	5 (A*)	178.33
UUSE0012576	HEX 8	30	5 (A*)	184.35
UUSE0012577	HEX 10	30	5 (A*)	239.14

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 - profil hexagon cu gaura

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



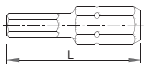


	Dimensiune	L		
60260	HEX BO 2,0	25	vrac	2.92
60261	HEX BO 2,5	25	vrac	2.92
60262	HEX BO 3,0	25	vrac	2.92
60263	HEX BO 4,0	25	vrac	2.92
60264	HEX BO 5,0	25	vrac	2.92
60265	HEX BO 6,0	25	vrac	2.92

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 - profil hexagon cu bila

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*





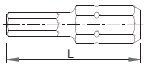
	Dimensiune	L		
60266	HX 2.5	25	vrac	2.92
60267	HX 3	25	vrac	2.92
60268	HX 4	25	vrac	2.92
60269	HX 5	25	vrac	2.92
60270	HX 6	25	vrac	2.92

INDUSTRY SQ

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Robertson

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*





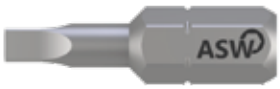
	Dimensiune	L		
UUSE0012026	R 0	25	5 (A*)	102.10
UUSE0012027	R 1	25	5 (A*)	102.10
UUSE0012028	R 2	25	5 (A*)	102.10
UUSE0012029	R 3	25	5 (A*)	102.10

ACR® Phillips® Screw Company
ASSY® Adolf Würth GmbH & Co. KG
BITQUICK® cobit® GmbH
COBIT® cobit® GmbH
PHILLIPS® Phillips® Screw Company
POZIDRIV® Phillips® Screw Company
RIBE® Richard Bergner Verbindungstechnik GmbH & Co. KG
SIT® Adolf Würth GmbH & Co. KG
TORSONIC® cobit® GmbH
TORQ-SET® Phillips® Screw Company
TORX® Acument Intellectual Properties, LLC, Troy Mich., US
TORX® PLUS® Acument Intellectual Properties, LLC, Troy Mich., US
TRI-WING® Phillips® Screw Company
TTAP® TTAP® DRIVE AS

1600 NOU

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Robertson

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



	Dimensiune	L		
1000006886	R 0	25	vrac	11.49
1000006895	R 1	25	vrac	11.49
1000006904	R 2	25	vrac	11.49
1000006913	R 3	25	vrac	11.49
1020002971	R 4	25	vrac	11.48

1600 CR NOU

Bit hexagonal 1/4" DIN 3126 - Forma C 6,3 - profil Robertson

- *design de torsiune*
- *duritate in conformitate cu norma DIN*
- *sablat*
- *protectie optima impotriva coroziunii*



	Dimensiune	L		
1020038773	R 0	25	vrac	12.34
1020038774	R 1	25	vrac	12.34
1020038775	R 2	25	vrac	12.34
1020038776	R 3	25	vrac	12.34

1610 NOU

Bit 1/4" DIN/ISO 1173 - E6,3 cu profil patrat, varianta lunga

- *material: aliaj special S2 (1.2381 / 73 Mo V 5 2)*
- *duritate material: 58 +/- 2 HRc*
- *in conformitate cu standardele DIN 3126 ISO 1173*
- *durabilitate ridicata*
- *protectie anticoroziva*
- *pentru lucrul manual si cu masina*
- *pentru prindere magnetica sau non-magnetica*



	Dimensiune	L	D		
1000006922	R 0	50	6,0	vrac	23.43
1000006940	R 1	50	6,0	vrac	23.43
1000006967	R 2	50	6,0	vrac	23.43
1000006994	R 3	50	6,0	vrac	23.43
1000006931	R 0	75	6,0	vrac	29.34
1000006949	R 1	75	6,0	vrac	29.34
1000006976	R 2	75	6,0	vrac	29.34
1000007003	R 3	75	6,0	vrac	29.34
1000006958	R 1	90	6,0	vrac	34.86
1000006985	R 2	90	6,0	vrac	34.86
1000036524	R 1	152	6,0	vrac	74.03
1000036525	R 2	152	6,0	vrac	74.03

Bit hexagonal 1/4" BLUE SHOCK Forma E 6,3 - profil patrat

- *bitul dispune o zona de torsiune studiata si alungita pentru a rezista la cupluri ridicate si socuri violente in timpul utilizarii pe o masina de insurubat cu impact*
- *duritate proiectata special pentru utilizarea pe masini de insurubat cu impact de mare putere*
- *varf ranforsat cu inel de sprijin pentru o durata de utilizare prelungita*
- *zona de torsiune este ranforsata din partea superioara si cea inferioara pentru o legatura mai puternica intre varf si corp si pentru a preveni ruperea bitului.*



	Dimensiune	L		
UUSE0063417	R 1	50	5 (A*)	83.58
UUSE0063418	R 2	50	5 (A*)	83.58
UUSE0063419	R 3	50	5 (A*)	83.58

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 profil Spanner

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60314	SN# 4	25	vrac	3.56
60315	SN# 6	25	vrac	3.56
60316	SN# 8	25	vrac	3.56
60317	SN# 10	25	vrac	3.56
60318	SN# 12	25	vrac	3.56
60319	SN# 14	25	vrac	3.56

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3, profil Torq-Set®

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60298	TS # 0	25	vrac	1.89
60299	TS # 1	25	vrac	1.89
60300	TS # 2	25	vrac	1.89
60301	TS # 3	25	vrac	1.89
60302	TS # 4	25	vrac	1.89
60303	TS # 5	25	vrac	1.89
60304	TS # 6	25	vrac	1.89
60305	TS # 8	25	vrac	1.89
60306	TS # 10	25	vrac	1.89
60307	TS # 1/4"	25	vrac	1.89

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 profil Tri-Wing®

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60298	TW # 0	25	vrac	1.89
60299	TW # 1	25	vrac	1.89
60300	TW # 2	25	vrac	1.89
60301	TW # 3	25	vrac	1.89
60302	TW # 4	25	vrac	1.89
60303	TW # 5	25	vrac	1.89

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 profil Torx® TTAP®

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60021	TTAP 10	25	vrac	3.16
60022	TTAP 15	25	vrac	3.16
60023	TTAP 20	25	vrac	3.16
60024	TTAP 25	25	vrac	3.16
60025	TTAP 30	25	vrac	3.16
60026	TTAP 40	25	vrac	3.16

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 profil XZN spline

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60330	XZN M 4	25	vrac	2.93
60331	XZN M 5	25	vrac	2.93
60332	XZN M 6	25	vrac	2.93
60333	XZN M 8	25	vrac	2.93

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3, profil Ribe®

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60320	RI 4	25	vrac	2.93
60321	RI 5	25	vrac	2.93
60322	RI 6	25	vrac	2.93
60323	RI 7	25	vrac	2.93
60324	RI 8	25	vrac	2.93

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 profil ASSY® / AW

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60293	AW 10	25	vrac	2.93
60294	AW 20	25	vrac	2.93
60295	AW 25	25	vrac	2.93
60296	AW 30	25	vrac	2.93
60297	AW 40	25	vrac	2.93

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 profil Phillips cu coada redusa pentru gips-carton

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
01680	PH 2	25	vrac	2.41

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 profil Clutch

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60325	CG 3/32"	25	vrac	2.93
60326	CG 1/8"	25	vrac	2.93
60327	CG 5/32"	25	vrac	2.93
60328	CG 3/16"	25	vrac	2.93
60329	CG 1/4"	25	vrac	2.93

Bit STANDARD 1/4" DIN/ISO 1173 Forma C 6,3 - profil Phillips cu limitator pentru gips-carton

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60159	PH 2	25	vrac	4.88

Bit STANDARD profil Phillips cu prindere pe filet M4

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60516	PH 1	33	vrac	15.55
60517	PH 2	33	vrac	15.55

Bit STANDARD profil Phillips cu prindere pe filet M5

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60518	PH 1	45	vrac	16.12
60519	PH 2	45	vrac	16.12

Bit STANDARD profil Pozidrive cu prindere pe filet M4

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60520	PZ 1	33	vrac	15.55
60521	PZ 2	33	vrac	15.55

Bit STANDARD profil Pozidrive cu prindere pe filet M5

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60522	PZ 1	45	vrac	16.12
60523	PZ 2	45	vrac	16.12

Bit STANDARD profil Torx® cu prindere pe filet M5

- *STANDARD - versiune frezata*
- *DIN / ISO 2936*
- *fara acoperire*



	Dimensiune	L		
60524	TX 08	45	vrac	17.44
60525	TX 10	45	vrac	17.44
60526	TX 15	45	vrac	17.44
60527	TX 20	45	vrac	17.44
60528	TX 25	45	vrac	17.44

6614

Bit cu profil TORX® prindere hexagonala 10 mm Forma C10



10 mm

	TORX®	L		
66141501030	TX 10	30	vrac	12.62
66141501530	TX 15	30	vrac	12.62
66141502030	TX 20	30	vrac	12.62
66141502530	TX 25	30	vrac	12.62
66141502730	TX 27	30	vrac	12.62
66141503030	TX 30	30	vrac	12.62
66141504030	TX 40	30	vrac	12.62
66141504530	TX 45	30	vrac	12.62
66141505030	TX 50	30	vrac	14.92
66141505530	TX 55	30	vrac	17.05
66141501075	TX 10	75	vrac	19.02
66141501575	TX 15	75	vrac	19.02
66141502075	TX 20	75	vrac	19.02
66141502575	TX 25	75	vrac	19.02
66141502775	TX 27	75	vrac	19.02
66141503075	TX 30	75	vrac	19.02
66141504075	TX 40	75	vrac	19.02
66141504575	TX 45	75	vrac	19.02
66141505075	TX 50	75	vrac	21.48
66141505575	TX 55	75	vrac	25.08

6615

Bit cu profil TORX® cu gaura (pentru pin de siguranta) prindere hexagonala 10 mm Forma C10



10 mm

	TORX®	L		
66151501030	TR 10	30	vrac	22.30
66151501530	TR 15	30	vrac	22.30
66151502030	TR 20	30	vrac	22.30
66151502530	TR 25	30	vrac	22.30
66151502730	TR 27	30	vrac	22.30
66151503030	TR 30	30	vrac	22.30
66151504030	TR 40	30	vrac	22.30
66151504530	TR 45	30	vrac	22.30
66151505030	TR 50	30	vrac	24.26
66151505530	TR 55	30	vrac	25.90
66151501075	TX 10	75	vrac	28.52
66151501575	TX 15	75	vrac	28.52
66151502075	TX 20	75	vrac	28.52
66151502575	TX 25	75	vrac	28.52
66151502775	TX 27	75	vrac	28.52
66151503075	TX 30	75	vrac	28.52
66151504075	TX 40	75	vrac	28.52
66151504575	TX 45	75	vrac	28.52
66151505075	TX 50	75	vrac	30.33
66151505575	TX 55	75	vrac	33.44

6624

Bit cu profil Ribe, prindere hexagonala 10 mm Forma C10



10 mm

	Ribe	L		
66241500430	4	30	vrac	12.62
66241500530	5	30	vrac	12.62
66241500630	6	30	vrac	12.62
66241500730	7	30	vrac	12.62
66241500830	8	30	vrac	12.62
66241500930	9	30	vrac	12.62
66241501030	10	30	vrac	12.62
66241501230	12	30	vrac	12.62
66241501330	13	30	vrac	14.92
66241501430	14	30	vrac	17.05
66241501630	16	30	vrac	22.13
66241500475	4	75	vrac	19.02
66241500575	5	75	vrac	19.02
66241500675	6	75	vrac	19.02
66241500775	7	75	vrac	19.02
66241500875	8	75	vrac	19.02
66241500975	9	75	vrac	19.02
66241501075	10	75	vrac	19.02
66241501275	12	75	vrac	19.02
66241501375	13	75	vrac	22.62
66241501475	14	75	vrac	30.00
66241501675	16	75	vrac	34.10

6616

Bit cu profil hexagonal, prindere hexagonala 10 mm Forma C10



10 mm

	HEX	L		
66161500430	SW 4,0	30	vrac	12.62
66161500530	SW 5,0	30	vrac	12.62
66161500630	SW 6,0	30	vrac	12.62
66161500730	SW 7,0	30	vrac	12.62
66161500830	SW 8,0	30	vrac	12.62
66161501030	SW 10,0	30	vrac	12.62
66161501230	SW 12,0	30	vrac	13.93
66161501430	SW 14,0	30	vrac	20.82
66161500475	SW 4,0	75	vrac	19.02
66161500575	SW 5,0	75	vrac	19.02
66161500675	SW 6,0	75	vrac	19.02
66161500775	SW 7,0	75	vrac	19.02
66161500875	SW 8,0	75	vrac	19.02
66161501075	SW 10,0	75	vrac	19.02
66161501275	SW 12,0	75	vrac	24.43
66161501475	SW 14,0	75	vrac	33.44



6617

Bit cu profil hexagonal cu gaura (pentru pin de siguranta) prindere hexagonala 10 mm Forma C10



10 mm

	HEX	L		
66171500430	SW 4,0	30	vrac	22.13
66171500530	SW 5,0	30	vrac	22.13
66171500630	SW 6,0	30	vrac	22.13
66171500730	SW 7,0	30	vrac	22.13
66171500830	SW 8,0	30	vrac	22.13
66171501030	SW 10,0	30	vrac	22.13
66171501230	SW 12,0	30	vrac	25.90
66171500475	SW 4,0	75	vrac	28.52
66171500575	SW 5,0	75	vrac	28.52
66171500675	SW 6,0	75	vrac	28.52
66171500775	SW 7,0	75	vrac	28.52
66171500875	SW 8,0	75	vrac	28.52
66171501075	SW 10,0	75	vrac	28.52
66171501275	SW 12,0	75	vrac	35.25

6620

Bit cu profil XZN, prindere hexagonala 10 mm Forma C10



10 mm

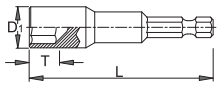
	XZN	L		
66201500530	M 5	30	vrac	12.62
66201500630	M 6	30	vrac	12.62
66201500830	M 8	30	vrac	12.62
66201501030	M 10	30	vrac	12.62
66201501230	M 12	30	vrac	13.93
66201501430	M 14	30	vrac	15.74
66201500575	M 5	75	vrac	19.02
66201500675	M 6	75	vrac	19.02
66201500875	M 8	75	vrac	19.02
66201501075	M 10	75	vrac	19.02
66201501275	M 12	75	vrac	21.15
66201501475	M 14	75	vrac	25.25

188.10A

Capete chei tubulare, cu magnet si prindere hexagonala 1/4" pentru masina

- *material: crom vanadiu*
- *capul cheii este tratat in intregime*
- *executie in concordanta cu standardul DIN 7424*





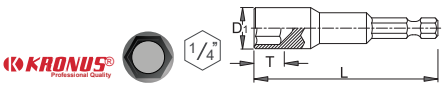
	Dimensiune	D1	L	T	
619448	8	12,5	65	3,9	22.79
618701	10	14,5	65	5	24.10
618702	13	18	65	6	25.57
618703	17	23,3	65	9,5	33.28

7014L

Cap tubular lung 1/4", magnetic

- *material: crom-vanadiu*
- *capul cheii este tratat in intregime*
- *executie in concordanta cu standardul DIN 7424*





	Dimensiune	L		
701428	7	65	1 (E*)	8.14
701430	8	65	1 (E*)	8.14
701432	10	65	1 (E*)	8.39
701439	13	65	1 (E*)	10.17

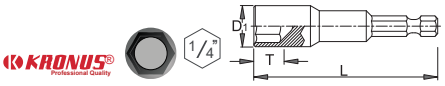
Suruburi cu locas hexagonal Ø in mm				Dimensiune
DIN 931	DIN 933	DIN 571	DIN 7976	SW
				2.5
				3
M 1.6	M 1.6	2.2		3.2
				3.5
M 2	M 2			4
				4.5
M 2.5	M 2.5	2.9		5
M 3	M 3	3.5		5.5
M 3.5	M 3.5			6
M 4	M 4	3.9/4.2	4	7
M 5	M 5	4.8/5.5	5	8
				9
M 6	M 6	6.3	6	10
M 7	M 7			11
			7	12
M 8	M 8	8	8	13

7014S

Cap tubular scurt 1/4", magnetic

- *material: crom-vanadiu*
- *capul cheii este tratat in intregime*
- *executie in concordanta cu standardul DIN 7424*





	Dimensiune	L		
701407	7	45	1 (E*)	6.86
701406	8	45	1 (E*)	6.86
701433	10	45	1 (E*)	7.36
701416	13	45	1 (E*)	9.39

Bit tubular 50 mm cu magnet 1/4" E 6,3

- *material: crom vanadiu*
- *lungime: 50 mm*
- *magnet permanent neodim - forta magnetica 300 g*
- *coada de antrenare 1/4" E 6,3*
- *profil hexagon interior pentru suruburi cu cap hexagonal*





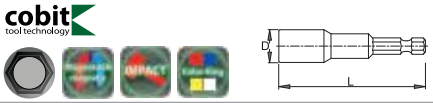
	Dimensiune	L		
60597	5,5	50	vrac	11.76
60598	6	50	vrac	11.76
60599	7	50	vrac	11.76
60600	8	50	vrac	11.76
60601	9	50	vrac	12.05
60602	10	50	vrac	12.05
60603	11	50	vrac	14.06
60604	12	50	vrac	14.63
60605	13	50	vrac	15.20
60606	17	50	vrac	28.40
60607	1/4"	50	vrac	11.76
60608	3/8"	50	vrac	12.05
60609	5/16"	50	vrac	11.76
60610	7/16"	50	vrac	12.31
02116	5,5	50	1 (PP*)	18.65
01425	6	50	1 (PP*)	18.65
01427	7	50	1 (PP*)	18.65
01429	8	50	1 (PP*)	18.93
01431	9	50	1 (PP*)	18.93
01432	10	50	1 (PP*)	18.93
01434	11	50	1 (PP*)	20.94
01436	12	50	1 (PP*)	21.52
01438	13	50	1 (PP*)	22.09
02822	17	50	1 (PP*)	35.29
01440	1/4"	50	1 (PP*)	18.65
01444	3/8"	50	1 (PP*)	20.94
01442	5/16"	50	1 (PP*)	18.65
01446	7/16"	50	1 (PP*)	20.94



Bit tubular de IMPACT 50 mm cu magnet; 1/4" E 6,3

- *material: otel CrMo*
- *lungime: 50 mm*
- *magnet permanent neodim - forta magnetica 300 g*
- *coada de antrenare 1/4" E 6,3*
- *profil hexagon interior pentru suruburi cu cap hexagonal*





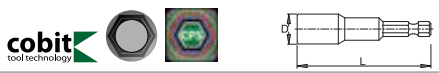
	Dimensiune	L		
10030	6	50	vrac	26.16
10031	7	50	vrac	26.16
10032	8	50	vrac	27.43
10033	10	50	vrac	28.63
10034	11	50	vrac	28.63
10035	12	50	vrac	29.95
10036	13	50	vrac	29.95
10037	1/4"	50	vrac	30.52
10038	3/8"	50	vrac	28.63
10039	5/16"	50	vrac	27.43
02827	6	50	1 (PP*)	35.00
02828	7	50	1 (PP*)	35.00
02829	8	50	1 (PP*)	36.15
02830	10	50	1 (PP*)	37.30
02831	11	50	1 (PP*)	37.30
02832	12	50	1 (PP*)	38.44
02833	13	50	1 (PP*)	38.44
02834	1/4"	50	1 (PP*)	35.00
02835	3/8"	50	1 (PP*)	37.30
02836	5/16"	50	1 (PP*)	36.15

NOU

Bit tubular CPS 50 mm cu magnet 1/4" E 6,3 pentru suruburi lacuite sau acoperite

- *material: crom vanadiu*
- *lungime: 50 mm*
- *sistem de protectie a culorii CPS*
- *design scule pentru suruburi cu finisaj lacuit si acoperire*
- *reprezinta geometrii speciale, cum ar fi margini rotunjite, colturi si prindere cu minge*
- *protejeaza marginile suruburilor impotriva ciobirii*
- *fara abraziune a lacului si fara efect negativ asupra impresiei vizuale*





	Dimensiune	L		
10050	6	50	vrac	24.10
10051	7	50	vrac	24.10
10052	8	50	vrac	24.10
10053	10	50	vrac	27.54
10054	11	50	vrac	27.54
10055	12	50	vrac	28.40
10057	1/4"	50	vrac	24.10
10058	3/8"	50	vrac	27.54
10059	5/16"	50	vrac	24.10

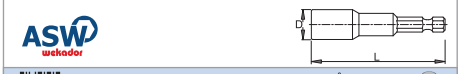
620 E

NOU

Bit tubular 50 mm cu profil Torx® 1/4" E 6,3

- *material: crom vanadiu*
- *lungime: 50 mm*
- *coada de antrenare 1/4" E 6,3*
- *profil Torx® interior pentru suruburi cu cap Torx®*





	Dimensiune	L		
1000062100	E 7	50	vrac	69.53
1000062101	E 5	50	vrac	69.53
1000062102	E 6	50	vrac	69.53
1000062103	E 8	50	vrac	74.73
1000062104	E 10	50	vrac	74.73

NOU

Bit tubular 100 mm cu magnet 1/4" E 6,3

- *material: crom vanadiu*
- *lungime: 100 mm*
- *magnet permanent neodim - forta magnetica 300 g*
- *coada de antrenare 1/4" E 6,3*
- *profil hexagon interior pentru suruburi cu cap hexagonal*





	Dimensiune	L		
02855	6,0	100	1 (PP*)	27.54
02856	7,0	100	1 (PP*)	27.54
02857	8,0	100	1 (PP*)	30.41
02858	9,0	100	1 (PP*)	30.41
02859	10,0	100	1 (PP*)	30.41
02860	11,0	100	1 (PP*)	36.15
02861	12,0	100	1 (PP*)	36.15
02862	13,0	100	1 (PP*)	36.15
02863	17,0	100	1 (PP*)	54.22
02864	1/4"	100	1 (PP*)	27.54
02865	3/8"	100	1 (PP*)	30.41
02866	5/16"	100	1 (PP*)	30.41

NOU

Bit tubular 150 mm cu magnet 1/4" E 6,3

- *material: crom vanadiu*
- *lungime: 150 mm*
- *magnet permanent neodim - forta magnetica 300 g*
- *coada de antrenare 1/4" E 6,3*
- *profil hexagon interior pentru suruburi cu cap hexagonal*





	Dimensiune	L		
02870	6,0	150	1 (PP*)	32.13
02871	7,0	150	1 (PP*)	32.13
02872	8,0	150	1 (PP*)	35.86
02873	9,0	150	1 (PP*)	35.86
02974	10,0	150	1 (PP*)	35.86
02875	11,0	150	1 (PP*)	42.17
02876	12,0	150	1 (PP*)	42.17
02877	13,0	150	1 (PP*)	42.17
02878	17,0	150	1 (PP*)	61.11
02879	1/4"	150	1 (PP*)	32.13
02880	3/8"	100	1 (PP*)	35.86
02881	5/16"	100	1 (PP*)	35.86

U000510 NOU

Trusa biti tubulari pentru suruburi lacuite si acoperite 7 piese

- *atașament cu blocare rapida*
- *sistem mecanic de fixare a suruburilor (bila/arc).*
- *special adaptat pentru șuruburi utilizate pentru fixarea fronturilor sau panourilor sandwich si suruburi autoforante.*
- *sistemul care tine capul surubului in mufa este special conceput pentru a lucra cu finisaje vopsite sau din plastic.*
- *atasament de blocare rapidă pentru o fixare optima in mandrina*



U0005100	7 piese	478.49
	7, 8 (x2), 10 (x2) mm, 3/8" (x2)	

701791

Set capete tubulare 7 / 8 / 10 / 13 mm 1/4" - 38 mm

- *material: crom-vanadiu*
- *lungime: 38 mm*



701791	4 piese	16.52
	7, 8, 10, 13, mm	

02436 NOU

Trusa biti tubulari cu magnelt si inel 7 piese

- *material: otel CrMo*
- *lungime: 50 mm*
- *magnet permanent neodim - forta magnetica 300 g*
- *coada de antrenare 1/4" E 6,3*
- *profil hexagon interior pentru suruburi cu cap hexagonal*



02436	7 piese	229.45
	6, 7, 8, 10, 12, 13 mm, 1/4"	

02437 NOU

Trusa biti tubulari cu magnelt si inel 7 piese

- *material: otel CrMo*
- *lungime: 50 mm*
- *magnet permanent neodim - forta magnetica 300 g*
- *coada de antrenare 1/4" E 6,3*
- *profil hexagon interior pentru suruburi cu cap hexagonal*



02437	7 piese	229.45
	7, 8, 10, 13 mm, 1/4", 3/8", 5/16"	

02438 NOU

Trusa biti tubulari cu magnelt si inel 7 piese

- *material: otel CrMo*
- *lungime: 50 mm*
- *magnet permanent neodim - forta magnetica 300 g*
- *coada de antrenare 1/4" E 6,3*
- *profil hexagon interior pentru suruburi cu cap hexagonal*



02438	7 piese	229.45
	7, 8 (x2), 10 (x2) mm, 3/8" (x2)	

02398 NOU

Set capete tubulare 7 / 8 / 10 / 13 mm 1/4" - 50 mm

- *material: crom-vanadiu*
- *lungime: 38 mm*



02398	5 piese	39.53
	7, 8, 10, 13 mm; 1/4"	

10028 NOU

Trusa biti tubulari cu magnet 6 piese

- *1/4" (E 6,3 mm)*



10028	6 piese	102.70
	capete tubulare cu magnet: 6, 7, 8, , 10, 12, 13	

02443 NOU

Trusa biti tubulari pentru suruburi lacuite si acoperite 7 piese

- *material: crom vanadiu*
- *lungime: 50 mm*
- *sistem de protectie a culorii CPS*
- *design scule pentru suruburi cu finisaj lacuit si acoperire*
- *reprezinta geometrii speciale, cum ar fi margini rotunjite, colturi si prindere cu minge*
- *protejeaza marginile suruburilor impotriva ciobirii*
- *fara abraziune a lacului si fara efect negativ asupra impresiei vizuale*



02443	7 piese	158.36
	6, 7, 8, 10, mm, 1/4", 3/8", 5/16"	

KL-6 620

Trusa biti tubulari cu magnet 6 piese

- *1/4" (E 6,3 mm)*



1000060801	6 piese	387.97
	SW 7, 8, 3/8", 10, 12, 13	

MSH1 NOU

Prelungitor magnetic cu elibereare rapida

- *prelungitoarele hexagonale magnetice reversibile si curtaabile C-Rhex de la Malco sunt acum realizate cu o noua imbunatatire a designului mai subtire care reduce dimensiunea de 6 mm cu 16% pentru a obtine un acces mai usor in spatii inguste pentru flexibilitate si productivitate maxime*
- *schimbati rapid dimensiunile hexagonale de 6 mm si 8 mm cu prelungitoarel hexagonale magnetice unice, exclusive, cu doua fete de la Malco*
- *capul hexagonal reversibil se potriveste peste un arbore hexagonal cu varf magnetic de 1/4 inch, blocare cu bila si poate fi inversat rapid pentru a schimba dimensiunile*
- *eliminati acumularea neplacută de aschii de metal în varful hexagonal cu ajutorul „Magnetului Easy Clean”*
- *doar glisati cu o manusa sau un prosop pentru a sterge orice aschii de metal*
- *cuplul testat al dispozitivului de antrenare a prelungitorului hexagonal reversibile este egal cu prelungitoarele dintr-o singura piesa*



	mm	⬡	⬢	Ø	
MSHCM1	51	6	8	11.1 - 12.7	85.57
MSHMLCM1	101	6	8	11.1 - 12.7	168.64
MSHXLCM1	152	6	8	11.1 - 12.7	243.44

MSH2 NOU

Prelungitor magnetic cu elibereare rapida

- *schimbati rapid dimensiunile hexagonale de 8 mm si 10 mm cu prelungitoarele hexagonale magnetice unice, exclusive, cu doua capete de la Malco*
- *capul hexagonal reversibil se potriveste peste un arbore hexagonal cu varf magnetic de 1/4 inch, blocare cu bila si poate fi inversat rapid pentru a schimba dimensiunile*
- *eliminati acumularea neplacută de aschii de metal în varful hexagonal cu ajutorul „Magnetului Easy Clean”*
- *doar glisati cu o manusa sau un prosop pentru a sterge orice aschii de metal*
- *cuplul testat al dispozitivului de antrenare a prelungitorului hexagonal reversibile este egal cu prelungitoarele dintr-o singura piesa*
- *latura de 8 mm este proiectata cu un profil subtire pentru a obtine un acces mai usor in spatiile inguste, pentru o productivitate sporita*





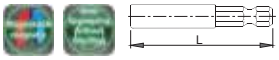
	mm	⬡	⬢	Ø	
MSHCM2	51	8	10	12.7 - 11.11	85.57
MSHMLCM2	101	8	10	12.7 - 11.11	168.64
MSHXLCM2	152	8	10	12.7 - 11.11	243.44

Adaptor magnetic standard 1/4” DIN/ISO 1173 - E 6,3

- *corp din otel inoxidabil*
- *fara inel de retinere*
- *magnet neodim 6x4 mm - forta magnetica 300 g*
- *coada antrenare 1/4” E 6,3 (material 51CrV4)*
- *pentru biti cu coada hexagonala 1/4” C 6,3 si E 6,3*



cobit tool technology



	Dimensiune	L		
60592	1/4”	50	vrac	15.78
60594	1/4”	75	vrac	18.13
01478	1/4”	50	1 (PP*)	24.39
02079	1/4”	75	1 (PP*)	27.54

Adaptor magnetic standard 1/4” DIN/ISO 1173 - E 6,3

- *corp din otel inoxidabil*
- *cu inel C de retinere*
- *magnet neodim 6x4 mm - forta magnetica 300 g*
- *coada antrenare 1/4” E 6,3 (material 51CrV4)*
- *pentru biti cu coada hexagonala 1/4” C 6,3 si E 6,3*



cobit tool technology



	Dimensiune	L		
60588	1/4”	50	vrac	18.65
60590	1/4”	75	vrac	24.90
60591	1/4”	150	vrac	37.35
01491	1/4”	50	1 (PP*)	27.25
01490	1/4”	75	1 (PP*)	33.57
01508	1/4”	150	1 (PP*)	45.90

71923228

Prelungitor biti IMPACT

- *prelungitor de biti cu inel C*
- *lungime totala: 75 mm*
- *diametrul capului din otel inoxidabil: Ø11 mm*
- *lungimea capului din otel inoxidabil: 35 mm*
- *coada hexagonala 1/4” Ø5.5 mm*
- *material coada: 6150*
- *finisaj coada hexagonal: oxid negru*



IMPACT
KRONUS Professional Quality



		Dimensiune	L		
71923228	○	1/4”	75	1 (E*)	39.20

BITHOLDER

Adaptor magnetic 1/4"

- *material corp: otel inoxidabil*
- *realizat prin forjare*
- *magnetic*



USH GERMANY 1/4"- E 6,3 1/4" Magnet

	Ø	L		
UUSA0015008[1]	9,6	51	1 (A*)	11.85
UUSA0010052	9,6	74	1 (A*)	27.64
UUSZ0010105	9,6	100	1 (A*)	71.54

([1]) *fara inel*

NOU

Adaptor magnetic QuickLock 1/4” DIN/ISO 1173 - E 6,3

- *pentru a introduce bitul, mansonul de ghidare trebuie deblocat manual*
- *dupa ce ati introdus bitul, mansonul este eliberat (operare cu doua maini)*
- *acum, bitul este blocat in siguranta*
- *pentru a scoate bitul, sunt necesare doua maini*



cobit tool technology



	Dimensiune	L		
60580	1/4" E 6,3	50	vrac	35.00
60581	1/4" E 6,3	75	vrac	48.77
60582	1/4" E 6,3	100	vrac	64.26
60583	1/4" E 6,3	150	vrac	79.18

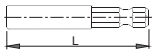
NOU

Adaptor magnetic articulat QuickLock 1/4” DIN/ISO 1173 - E 6,3

- *pentru a introduce bitul, mansonul de ghidare trebuie deblocat manual*
- *dupa ce ati introdus bitul, mansonul este eliberat (operare cu doua maini)*
- *acum, bitul este blocat in siguranta*
- *pentru a scoate bitul, sunt necesare doua maini*



cobit tool technology



	Dimensiune	L		
60584	1/4" E 6,3	65	vrac	58.52

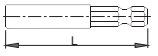
NOU

Adaptor magnetic de IMPACT 1/4” DIN/ISO 1173 - E 6,3

- *unealta destinata insurubarii automate cu efect de impact*
- *acopera caracteristicile speciale ale sculei, cum ar fi otel special, procese specifice de calire, proces special de productie*



cobit tool technology



	Dimensiune	L		
10124	1/4" E 6,3	54	vrac	34.71

Adaptor magnetic Quick Lock EasyLink & EasyLock 1/4" DIN/ISO 1173 - E 6,3

- *corp din otel inoxidabil*
- *sistem de blocare rapida cu bila - operare cu o singura mana*
- *magnet neodim 6x4 mm - forta magnetica 300 g*
- *coada antrenare 1/4" E 6,3 (material 51CrV4)*
- *pentru biti cu coada hexagonala 1/4" C 6,3 si E 6,3*



	Dimensiune	L		
02655	1/4"	80	vrac	32.99
02820	1/4"	80	1 (PP*)	41.60

Adaptor magnetic Quick Lock EasyLink & EasyLock 1/4" DIN/ISO 1173 - E 6,3

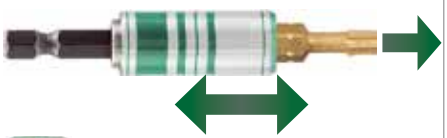
- *corp din otel inoxidabil*
- *sistem de blocare rapida cu bila - operare cu o singura mana*
- *manson cu rotire libera*
- *magnet neodim 6x4 mm - forta magnetica 300 g*
- *coada antrenare 1/4" E 6,3 (material 51CrV4)*
- *pentru biti cu coada hexagonala 1/4" C 6,3 si E 6,3*



	Dimensiune	L		
02657	1/4"	150	1 (D*)	52.79



Functie EasyLock *Introduceti bitul fara actionarea mansonului adaptorului magnetic; bitul este blocat = actionare cu o singura mana*



Functie EasyLink *Actionati mansonul adaptorului magnetic; bitul este deblocat si impins inainte = actionare cu o singura mana*



Inel magnetic cu o forta de tragere de 1.000 kg



surubul se potriveste plan pe inelul magnetic, cu o singura mana; surubul si magnetul se conecteaza puternic

Adaptor magnetic Quick Lock EasyLink & EasyLock 1/4" si inel magnetic DIN/ISO 1173 - E 6,3

- *corp din otel inoxidabil*
- *sistem de blocare rapida cu bila - operare cu o singura mana*
- *magnet neodim 6x4 mm - forta magnetica 300 g*
- *magnet inel neodim - forta magnetica 1.000 g*
- *coada antrenare 1/4" E 6,3 (material 51CrV4)*
- *pentru biti cu coada hexagonala 1/4" C 6,3 si E 6,3*



	Dimensiune	L		
02371	1/4"	60	vrac	29.55
02373	1/4"	60	1 (PP*)	38.16

Adaptor magnetic Quick Lock EasyLink & EasyLock 1/4" si inel magnetic DIN/ISO 1173 - E 6,3

- *corp din otel inoxidabil*
- *sistem de blocare rapida cu bila - operare cu o singura mana*
- *magnet neodim 6x4 mm - forta magnetica 300 g*
- *magnet inel neodim - forta magnetica 1.000 g*
- *manson cu rotire libera*
- *coada antrenare 1/4" E 6,3 (material 51CrV4)*
- *pentru biti cu coada hexagonala 1/4" C 6,3 si E 6,3*



mansonul cu rotire libera permite ghidarea insurubarii si asigura un nivel inalt de precizie

	Dimensiune	L		
02372	1/4"	300	1 (D*)	72.30

FOX II

Adaptor magnetic 1/4" cu prindere si eliberare rapida

- *sistem de prindere si eliberare rapida*
- *realizat prin forjare*
- *magnetic*



USH GERMANY — 1/4"- E 6,3 — 1/4" — Magnet

	Ø	L		
UUSA0010490	-	60	1 (A*)	92.91
UUSA0010492		74	1 (A*)	74.35

Adaptor magnetic Quick Lock EasyLink & EasyLock 1/4" DIN/ISO 1173 - E 6,3

- *corp din otel inoxidabil*
- *sistem de blocare rapida cu bila - operare cu o singura mana*
- *magnet neodim 6x4 mm - forta magnetica 300 g*
- *coada antrenare 1/4" E 6,3 (material 51CrV4)*
- *pentru biti cu coada hexagonala 1/4" C 6,3 si E 6,3*



	Dimensiune	L		
02261	1/4"	60	vrac	29.55
02818	1/4"	60	1 (PP*)	38.16

FOX II

Adaptor magnetic 1/4" cu prindere si eliberare rapida compatibil SDS-PLUS

- *sistem de prindere si eliberare rapida*
- *realizat prin forjare*
- *magnetic*



USH GERMANY — 10 mm SDS-PLUS — 1/4" — Magnet

	Ø	L		
UUSA0010498	-	80	1 (A*)	97.33

SPACER

Adaptor magnetic 1/4" cu sistem de reglare al adancimii

- *sistem de reglare al adancimii in functie de aplicatie*
- *realizat prin forjare*
- *magnetic*



USH GERMANY — 1/4"- E 6,3 — 1/4" — Magnet

	Ø	L		
UUSA0015018	-	80	1 (A*)	91.06

Adaptor QuickLock 1/4" D 6,3

- *cea mai buna si mai sigura solutie*
- *elimina toate dezavantajele cunoscute*
- *economiseste timp, sporeste siguranta lucrului*
- *in conformitate cu reglementarile de siguranta si sanatate*



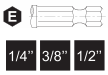
	Dimensiune	L		
02474	1/4" ○ 1/4" □	75	1 (D*)	50.03
02475	1/4" ○ 3/8" □	75	1 (D*)	56.29
02476	1/4" ○ 1/2" □	75	1 (D*)	62.54

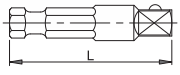
Adaptor 1/4” D 6,3

- *material:crom vanadium*
- *capul cheii este tratat in intregime*
- *conform cu standardul DIN 7428*



UNIOR





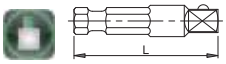
	Dimensiune	L		
604531	1/4" ○ 1/4" □	50	vrac	22.46
616808	1/4" ○ 3/8" □	50	vrac	55.90
616809	1/4" ○ 1/2" □	50	vrac	63.61

Adaptor cu pin 1/4” D 6,3

- *varianta cu pin retractabil*
- *elimina toate dezavantajele cunoscute*
- *economiseste timp, sporeste siguranta lucrului*
- *in conformitate cu reglementarile de siguranta si sanatate*



cobit tool technology



	Dimensiune	L		
60564	1/4" ○ 1/4" □	50	vrac	14.63
60565	1/4" ○ 3/8" □	50	vrac	15.20
60566	1/4" ○ 1/2" □	50	vrac	24.90
02815	1/4" ○ 1/4" □	50	3 (PP*)	23.24
02816	1/4" ○ 3/8" □	50	3 (PP*)	23.81
02817	1/4" ○ 1/2" □	50	3 (PP*)	33.57

Adaptor patrat interior - hexagon interior magnetic

- *economiseste timp, sporeste siguranta lucrului*
- *in conformitate cu reglementarile de siguranta si sanatate*



cobit tool technology



	Dimensiune	L		
60574	1/4" ○ 1/4" ○	25	vrac	28.11
60575	1/4" ○ 5/16" ○	30	vrac	33.85

BITHOLDER

Adaptor magnetic 1/4" compatibil SDS-PLUS

- *material corp: otel inoxidabil*
- *realizat prin forjare*
- *magnetic*



USH GERMANY



10 mm SDS-PLUS

1/4"

Magnet

	Ø	L		
UUSA0010288	11,1	78	1 (A*)	58.74

BITHOLDER

Adaptor magnetic 1/4" compatibil Desoutter

- *material corp: otel inoxidabil*
- *realizat prin forjare*
- *magnetic*



USH GERMANY



5/16" Desoutter

1/4"

Magnet

	Ø	L		
UUSA0010256	11,1	70	1 (A*)	85.48

SHORTY

Adaptor magnetic 1/4" scurt

- *ideal pentru aplicatii in locuri cu acces limitat*
- *magnetic*



USH GERMANY



1/4" - E 6,3

1/4"

Magnet

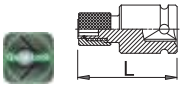
	Ø	L		
UUSA0011150	9,6	35	1 (A*)	35.54

Adaptor patrat interior - hexagon interior QuickLock

- *economiseste timp, sporeste siguranta lucrului*
- *in conformitate cu reglementarile de siguranta si sanatate*



cobit tool technology



	Dimensiune	L		
60570	1/4" ○ 1/4" ○	38	vrac	54.51
60571	3/8" ○ 1/4" ○	50	vrac	56.80
60572	3/8" ○ 5/16" ○	50	vrac	56.23

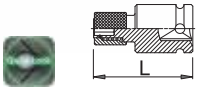
NOU

Adaptor patrat interior - hexagon interior QuickLock

- *economiseste timp, sporeste siguranta lucrului*
- *in conformitate cu reglementarile de siguranta si sanatate*



cobit tool technology



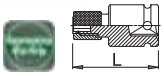
	Dimensiune	L		
60573	1/2" ○ 1/4" ○	50	vrac	51.00

Adaptor patrat interior - hexagon interior cu inel retentie C

- *economiseste timp, sporeste siguranta lucrului*
- *in conformitate cu reglementarile de siguranta si sanatate*



cobit tool technology



	Dimensiune	L		
60576	3/8" ○ 1/4" ○	38	vrac	48.77
60577	3/8" ○ 5/16" ○	50	vrac	56.80
60578	1/2" ○ 1/4" ○	50	vrac	56.80
60579	1/2" ○ 5/16" ○	55	vrac	67.42

188.13

Adaptor pentru biti cu prindere hexagonala de 10mm

- *material: crom vanadiu*
- *capul cheii este tratat in intregime*



UNIOR

	Dimensiune	L		
620858	10 mm ⬢ 1/4" ○	-	vrac	16.72

1000 MQR - 51

Adaptor magnetic patrat interior - hexagon interior QuickLock

- *economiseste timp, sporeste siguranta lucrului*
- *in conformitate cu reglementarile de siguranta si sanatate*



ASW wekador

	Dimensiune	L		
1000010051	1/4" ○ 1/4" ○	38	vrac	323.72

NOU

Adaptor cu bila hexagon 1/4" DIN/ISO 1173 - C 6,3 - patrat 1/4"

- *cu bila*
- *bila flexibila in patratul de prindere este impinsa inapoi la introducerea capului tubular*
- *bila se blocheaza automat in pozitia corespunzatoare in canelura/orificiul bitului/soclului*
- *prindere cu bila asigură efect de prindere*



cobit tool technology

	Dimensiune	L		
60569	C 6,3 1/4"	25	vrac	13.50

U0014012

Maner lung flexibil port-bit

- *maner ergonomic*



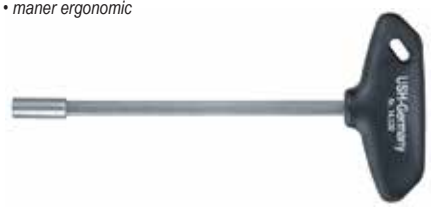
USH GERMANY 1/4" Magnet

	L		
U0014012	270	vrac	79.71

U0014030

Maner in T port-bit

- *maner ergonomic*



USH GERMANY 1/4" Magnet

	L		
U0014030	190	vrac	61.16

ALL-IN-ONE

Surubelnita port-bit echipata

- *functie de clichet reversibil*
- *tija telescopica 195-280 mm*
- *magazie pentru 8 biti*
- *maner ergonomic*



USH GERMANY 1/4" Magnet

U42020-192-267	8 piese	128.91
PH1-PH2-PZ1-PZ2 T15-T20-T25-T30		

U0014010

Maner scurt port-bit

- *maner ergonomic*



USH GERMANY 1/4" Magnet

	L		
U0014010	130	vrac	49.77

U0014015

Maner lung port-bit

- *maner ergonomic*



USH GERMANY 1/4" Magnet

	L		
U0014015	270	vrac	58.24

240-3

NOU

Surubelnita port-bit

- *surubelnta de fixare a bitilor cu eliberare rapida;*
- *potrivita pentru burghie cu hexagonal de 1/4". DIN 3126-C 6,3 şi E 6,3 (ISO 1173)*



	L		
1020000352	120	vrac	81.80

210-4

NOU

Surubelnita port-bit

- *surubelnta de fixare a bitilor*
- *potrivita pentru burghie cu hexagonal de 1/4". DIN 3126-C 6,3 şi E 6,3 (ISO 1173)*



	L		
1020000314	200	vrac	70.43

240-4

Antrenor in T pentru biti

- *antrenor cu prindere rapida si eliberare rapida*
- *cu maner in T*
- *potrivit pentru biti cu 1/4" hexagonal DIN 3126-C 6,3 si E 6,3 (ISO 1173)*



ASW wehador

1000002404	6,3	95	70.43

60674

Antrenor drept pentru biti 1/4" cu prindere rapida si maner bimaterial

- *antrenor cu prindere rapida si eliberare rapida*
- *cu maner surubelnita stubby*
- *potrivit pentru biti cu 1/4" hexagonal DIN 3126-C 6,3 si E 6,3 (ISO 1173)*



cobit tool technology

		L		
60674	6,3	75	vrac	40.16

60673

NOU

Antrenor drept pentru biti 1/4" cu prindere rapida si maner bimaterial

- *antrenor cu prindere rapida si eliberare rapida*
- *cu maner surubelnita*
- *potrivit pentru biti cu 1/4" hexagonal DIN 3126-C 6,3 si E 6,3 (ISO 1173)*



cobit tool technology

		L		
60673	6,3	130	vrac	43.03

60672

NOU

Antrenor drept pentru biti 1/4" cu prindere rapida si maner bimaterial

- *antrenor cu prindere rapida si eliberare rapida*
- *cu maner surubelnita*
- *potrivit pentru biti cu 1/4" hexagonal DIN 3126-C 6,3 si E 6,3 (ISO 1173)*



cobit tool technology

		L		
60672	6,3	210	vrac	45.90

6645

Adaptor cu patrat 3/8" si 1/2" pentru hexagon 10 mm



BOC BOHRCRAFT

	Pentru	Antrenare		
	10 mm	Patrat		

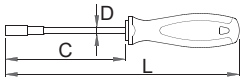
	Dimensiune	L		
66451501210	1/2" 10 mm	-	vrac	25.25
66451503810	3/8" 10 mm	-	vrac	22.46

638TBI6,3

Antrenor drept pentru biti

- *lama: otel crom vanadiu dur premium, intarit si calit in intregime*
- *maner: forma ergonomica*
- *material cu trei componente*
- *cu magnet*
- *gaura agatare*





UNIOR

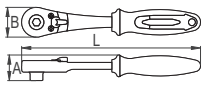
		C	D	L			
625356	6,3	100	10	210	6,3	103	60.66

188.1/1BBI

Antrenor cu clichet pentru biti

- *material: otel special pentru scule*
- *corp forjat, • tratament termic total*
- *finisare: cromare conform standard ISO 1456: 2009*
- *maner ergonomic bimaterial*
- *pentru biti de 6,3 mm*





UNIOR

		L		
625355	6,3	157	vrac	144.59

02127

Antrenor cu clichet pentru biti

- *material: otel crom vanadiu*
- *corp forjat*
- *clichet cu 72 dinti*
- *capat cu cheie inelara 8 mm*
- *tratament termic total*
- *finisare: cromare conform standard ISO 1456: 2009*
- *pentru biti de 6,3 mm*



cobit tool technology

		L		
02127	6,3	95	1 (E*)	81.24

02277 NOU

Antrenor cu clichet pentru capete chei tubulare 1/4”

- *material: otel crom vanadiu*
- *corp forjat*
- *clichet cu 72 dinti*
- *tratament termic total*
- *finisare: cromare conform standard ISO 1456: 2009*
- *maner ergonomic bimaterial*
- *pentru capete chei tubulare 1/4”*



cobit tool technology

		L		
02277	6,3	95	1 (E*)	79.75

701507

Set de biti 100 piese

- *material: CrV*



KRONUS Professional Quality

701507	100 piese	138.65

PH 0x25, PH 1x25, 5 x PH 2x25, PH 3x25
PZ 0x25, PZ 1x25, 5 x PZ 2x25, PZ 3x25
SQ 0x25, SQ 1x25, SQ 2x25, SQ 3x25
TX 8, 10, 15, 20, 25, 27, 30, 40, 45
Clutch 1, 2, 3
(2x) HX 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8
SL 3, 4, 4.5, 5, 5.5, 6, 6.5, 7, 8
TRI-WING® 1, 2, 3, 4
XZN M5, M6, M8
TORQ-SET® 6, 8, 10
Spanner #0, 1, 2, 3
TORX® cu gaura TX 8, 10, 15, 20, 25, 27, 30, 40, 45
HEX cu gaura (2x) HX 2, 2.5, 3, 4, 5, 6
TRI-WING® 1, 2, 3, 4
Adaptoare 1/4 - 1/4"
Adaptor 1/4"-C6.3
Adaptor tip "Y"
Adaptor magnetic 1/4"
Prelungitor 1/4” 50 mm

701663

Set de biti 31 piese

- *material: S2*





KRONUS Professional Quality

701663	31 piese	79.94

PH1, 3xPH2, PH3
PZ1, 3xPZ2, PZ3
T10, T15, 3xT20, 3xT25, T27, 2xT40
HX3, HX4, HX5, HX6
SL4.5, SL4.5, SL6.5
adaptor magnetic 60 mm

RP-25 Allround NOU

Set de biti 50 mm E 6,3 - 25 piese

- *material: S2*



ASW wekador

1020007770	25 piese	525.84

PH 1x50, PH 2x50, PH 3x50
PZ 1x50, PZ 2x50, PZ 3x50
TX 10, TX 15, TX 20, TX25, TX 27, TX 30, TX 40
HX 3, HX 4, HX 5, HX 5.5, HX 6
SL 0,6x4,5; SL 8,0x5,5; SL 1,2x6,5
Vkt#1, Vkt#2, Vkt#3
surubelnita pentru biti cu mandrina cu schimbare rapida 1/4“

RP-13-90 Allround NOU

Set de biti 90 mm E 6,3 - 13 piese

- *material: S2*



ASW wekador

1020007767	25 piese	661.31

PH 1x90, PH 2x90
PZ 1x90, PZ 2x90
TT 20, TT 25, TT 30
HX 3, HX 4, HX 5
SL 1,2x6,5; SL 0,8x5,5
surubelnita pentru biti cu mandrina cu schimbare rapida 1/4“



KL-34 701

Trusa biti si tubulare 34 piese

• *1/4" (C 6,3 mm)*



1000070801	34 piese	**1067.21**

capete tubulare de impact cu perete subtire SW: 4,5; 5; 5,5; 6; 7; 8; 9; 10; 11; 12; 13
PH: 1; 2; 3
PZ : 1; 2, 3
SL (lat): 0,6x4,5; 0,8x5,5; 1,2x6,5
TX Tamper: 10; 15; 20; 25; 27; 30; 40
prelungitor cu cap sferic
antrenor cu clichet
adaptor biti quick-release



KL-31 Security

Trusa biti si accesorii 31 piese

• *biti 1/4" (C 6,3 mm)*



1000019029	31 piese	**600.32**

biti Spanner 4, 6, 8 si 50 mm
biti TX BO 10, 15, 20, 25, 27, 30 si 50 mm
biti Tri.Wing 1, 2, 3, si 50 mm
biti Torq.Set 6, 8, 10 si 50 mm
biti PH 1, 2, 3 si 25 mm
biti RO 0, 1, 2 si 25 mm
biti HX BO 2, 2,5, 3 si 25 mm
biti HX 4, 5, 6 si 25 mm
biti TX BO 7, 8, 9 si 25 mm
antrenor pentru biti

KL-32 Allround

Trusa biti 32 piese

• *1/4" (C 6,3 mm)*



1000019017	32 piese	**221.12**

adaptor: 1/4" C-6,3 - 1/4" x 25
PH: 1x PH 1; 2x PH 2; 1x PH 3
PZ: 1x PZ 1; 2x PZ 2; 1x PZ 3
SL (lat): 1x Sl. 0,6x4,5; 1x Sl. 1,2x6,5
Hex: 1x Hex 3; 1x Hex 4; 1x Hex 5; 1x Hex 6
TX: 1x TX 10; 2x TX 15; 2x TX 20; 2x TX 25; 1x TX 27; 1x TX 30; 1x TX 40
TX-Tamper: 1x 10; 15; 20; 25; 30; 40

KL-60 Allround

Trusa biti 60 piese

• *1/4" (C 6,3 mm)*



1000019026	60 piese	**467.09**

adaptor biti quick-release cu magnet
adaptor biti cu magnet
PH: 3x PH 1; 3x PH 2; 3x PH 3
PZ: 3x PZ 1; 3x PZ 3; 3x PZ 3
SL (lat): 1x Sl. 0,6x3,5; 2x 0,6x4,5; 1x 0,8x5,5; 1x 1,2x6,5
Hex: 2x Hex 4; 2x Hex 5; 2x Hex 6; 2x Hex 8
TX: 3x TX 10; TX 15; TX 20; TX 25; TX 30; TX 40; 2x TX 27
TX-Tamper: 1x 10; 15; 20; 25; 30; 40

K-Line

cutii din plastic stivuibile





WT-12 Wood

Trusa pentru tamplarie si montaj acoperisuri

• *1/4" (C 6,3 mm)*



1020003057	12 piese	**722.31**

biti tubulari cu inel de retinere: SW 7, SW 8, SW 3/8, SW 10
PH 2 x 152, PZ 2 x 152; TX 20 x 152, TX 25 x 152, TX 30 x 152
adaptor biti 1/2" - F 6,3 (1000 SWH 45)
adaptor combinat 1/4" E 6,3 - D 6,3 si F 6,3 (840-2)
adaptor 1/4" E 6,3 - 1/2" (330-9 mK)

TP-34 Allround

Trusa biti si accesorii 34 piese

• biti profesionali cu inel colorat 1/4" (C 6,3 mm)



1000019050	34 piese	**915.05**

capete chei tubulare cu pereti subtiri SW 4,5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13
biti: C 6.3 x 25 mm
PH 1 / 2 / 3; PZ 1 / 2; SL 0,6x4,5 / 0,8x5,5 / 1,2x6,5
HX 4 / 5 / 6 / 8; TX BO 10 / 15 / 20 / 25 / 27 / 30 / 40
antrenor cu clichet reversibil 1/4"
adaptor Vario 1/4"
adaptor cu schimbare rapida
adaptor 1/4 "C 6.3

U0006000

Set biti 7 piese



U0006000	7 piese	**38.03**

1 adaptor magnetic standard din otel inoxidabil 1/4"
biti industry:
PH 1, PH 2, PZ 1, PZ 2,
SL 0.8 x 5.5 - SL 1.2 x 6.5

U0006020

Set biti 7 piese



U0006020	7 piese	**49.00**

1 adaptor magnetic standard din otel inoxidabil 1/4"
biti industry:
T 10, T 15, T 20, T 25, T 30, T 40

Aktion 32

Trusa biti si accesorii 32 piese

• biti profesionali cu inel colorat 1/4" (C 6,3 mm)



1000995000	32 piese	**89.86**

Adaptor magnetic pentru biti Quick Release (C6,3)
biti profesionali cu inel colorat:
SL 4,5 / SL 5,5 / SL 6,5
PH 1 / PH 2 / PH 2 / PH 3
PZ 1 / PZ 2 / PZ 2 / PZ 3
TX 10 / TX 15 / TX 20 / TX 20 / TX 25 / TX 25 / TX 30 / TX 30 / TX 40
TXBo 10 / TXBo 15 / TXBo 20 / TXBo 25 / TXBo 27 / TXBo 30 / TXBo 40
HX 3 / HX 4 / HX 5 / HX 6

U0006040

Set biti 7 piese



U0006040	7 piese	**34.81**

1 adaptor magnetic standard din otel inoxidabil 1/4"
biti industry:
PH 1, PH 2, PH 3, PZ 1, PZ 2, PZ 3

U0007000

Set biti 12 piese



U0007000	12 piese	**49.45**

1 adaptor magnetic standard din otel inoxidabil 1/4"
biti industry:
PH 1, 2 x PH 2, PH 3
PZ 1, 2 x PZ 2, PZ 3
SL 0.6 x 4.5 - SL 0.8 x 5.5 - SL 1.2 x 6.5

DL-32 Allround

Trusa biti si accesorii 32 piese

• biti profesionali cu inel colorat 1/4" (C 6,3 mm)



1000019021	32 piese	**171.75**

Adaptor magnetic pentru biti Quick Release (C6,3)
biti profesionali cu inel colorat:
SL 3; SL 4; SL 5; SL 6
PH 1 / PH 2 / PH 2 / PH 3
PZ 1 / PZ 2 / PZ 2 / PZ 3
TX 10 / TX 15 / TX 20 / TX 25 / TX 30 / TX 40
TT 10 / TT 15 / TT 20 / TT 25 / TT 27 / TT 30 / TT 40
HX 3 / HX 4 / HX 5 / HX 6

U0007020

Set biti 12 piese



U0007020	12 piese	**75.42**

1 adaptor magnetic standard din otel inoxidabil 1/4" biti industry:
T 10, T 15 (x2), T 20 (x2), T 25 (x2),
T 27, T 30 (x2), T 40

U0006908

Set biti 31 piese



U0006908	31 piese	**212.52**

1 adaptor magnetic standard din otel inoxidabil 1/4"
biti industry:
Torx Tamper T 8, 9, 10, 15, 20, 25, 27, 30, 40
Hex tamper SW 3,0 - 4,0 - 5,0 - 6,0
Spanner 4 - 6 - 8 - 10; Square 0 - 1 - 2 - 3
Tri-wing® 1 - 2 - 3 - 4 - 5; Torq set 5 - 6 - 8 - 10

02230 NOU

Trusa 20 biti si accesorii cu inel colorat



02230	20 piese	226.64

19 biti lungi - 1/4" C 6,3 - 90 mm
2x PH 1; 3 x PH 2; PH 3
2 x PZ 1; 3 x PZ 2; PZ 3
TX 10; TX 15; 2 x TX 20; 2 x TX 25; TX30
1 prelungitor biti - 1/4" E 6,3 - 50 mm

02231 NOU

Trusa 39 biti si accesorii cu inel colorat



02231	39 piese	226.64

19 biti lungi - 1/4" C 6,3 - 25 mm
2x PH 1; 3 x PH 2; PH 3
2 x PZ 1; 3 x PZ 2; PZ 3
TX 10; TX 15; 2 x TX 20; 2 x TX 25; TX30
1 prelungitor biti - 1/4" E 6,3 - 50 mm
19 biti lungi - 1/4" C 6,3 - 50mm
2x PH 1; 3 x PH 2; PH 3
2 x PZ 1; 3 x PZ 2; PZ 3
TX 10; TX 15; 2 x TX 20; 2 x TX 25; TX30
1 prelungitor biti - 1/4" E 6,3 - 50 mm



U0004920

Set biti 80 piese



U0004920	80 piese	1130.16

1 adaptor magnetic FOX II 1/4"
1 surubelnita port-bit echipata cu 8 biti
(PH 1, PH 2, PZ 1, PZ 2, Torx T 15, T 20, T 25, T 30)
biti Industry:
SL 0.5x3.0 - 0.6x4.5 - 0.8x5.5 (x2) - 1.2x6.5 - 1,6x8,0
PH 0 -1 - 2(x4) - 3(x2)
PZ 1 - 2(x4) - 3(x2)
TX 10 - 15 - 20(x2)- 25(x2) - 27 - 30 - 40
HEX 2.0 - 2.5 - 3.0 - 4.0 - 5.0 - 6.0 - 7.0 - 8.0
TW 1 - 2 - 3 - 4 - 5
TS 5 - 6 - 8 - 10
Square 0 - 1 - 2 - 3
TX Tamper 10 - 15 - 20 - 25 - 30 - 40
HEX Tamper 3.0 - 4.0 - 5.0 - 6.0
Spanner 4 - 6 - 8 - 10 / TX 05 - 06 - 07 - 08 - 09

U0004320

Set biti 45 piese



U0004320	45 piese	567.04

1 surubelnita cu clichet reversibil 1/4"
1 adaptor cu patrat interior de 1/4"
si hexagon interior pentru biti C 6,3
1x 1/4" square adaptor on hexagon E6,3 -50mm
1 adaptor magnetic FOX II 1/4"
1 surubelnita port-bit echipata cu 8 biti
(Ph 1, Ph 2, Pz 1, Pz 2, Torx T 15, T 20, T 25, T 30)
biti Industry:
SL 0,5x3,0-0,6x4,5-0,8x5,5-1,0x5,5-1,2x6,5-1,6x8,0
PH 1(x2) - 2(x2) - 3(x2)
PZ 1(x2) - 2(x2) - 3(x2)
HEX 2,5-3,0-4,0-5,0-6,0-7,0
TORX 10-15-20-25-30-40
SW 5,6,7,8,9,10,11,12,13,14 (tubulare de impact)

02075

Trusa 32 biti si accesorii Allrounder cu inel de identificare



02075	32 piese	114.18

30 biti - 1/4" C 6,3 - 25 mm - cu inel colorat S2 - sablati - uleiati:
CR portocaliu: 1x 0,6 x 3,5; 1x 0,6 x 4,5; 1x 1,0 x 5,5; 1x 1,2 x 6,5
CR albastru: 1x PZ 1; 2x PZ 2; 1x PZ 3
CR rosu: 1x PH 1; 2x PH 2; 1x PH 3
CR portocaliu deschis: HEX 3; HEX 4; HEX 5; HEX 6
CR galben: 1x TX 10; 1x TX 15; 1x TX 20; 1x TX 25; 1x TX 27; 1x TX 30; 1x TX 40
CR albastru inchis: 1x TX BO 10; 1x TX BO 15; 1x TX BO 20; 1x TX BO 25; 1x TX BO 27; 1x TX BO 30; 1x TX BO 40
1 prelungitor biti - 1/4" E 6,3 - 65 mm QuickLock - magnetic
1 adaptor - 1/4" C 6,3 x 1/4" patrat interior - 25 mm - cu bila

02222

Trusa 50 biti, burghie si accesorii cu inel de identificare



02222	50 piese	284.02

40 bit - 1/4" C 6,3 - 25 mm - cu inel colorat S2 - sablati- uleiati:
CR albastru: 2x PZ 1; 5x PZ 2; 1x PZ 3
CR rosu: 1x PH 1; 2x PH 2; 1x PH 3
CR galben: 3x TX 10; 3x TX 15; 5x TX 20; 3x TX 25; 1x TX 27; 3x TX 30; 3x TX 40
CR albastru inchis: 1x TX BO 10; 1x TX BO 15; 1x TX BO 20; 1x TX BO 25; 1x TX BO 27; 1x TX BO 30; 1x TX BO 40
4 burghie HSS pentru metal - 1/4" E 6,3
3 x 61 mm; 4 x 75 mm; 5 x 86 mm; 6 x 93 mm
4 burghie HSS pentru lemn - 1/4" E 6,3
3 x 61mm; 4 x 75mm; 5 x 86mm; 6 x 93mm
1 tesitor HSS - 1/4" C 6,3 x 12,4 - 25 mm
1 prelungitor biti - 1/4" E 6,3 - 65 mm QuickLock - magnetic

05016 NOU

Trusa 10 biti, accesorii si burghie HSS pentru lemn



05016	10 piese	133.69

5 biti - 1/4" C 6,3 - 25 mm
PH 2; PZ 2; TX15; TX 20; TX 25
4 burghie HSS pentru lemn
3; 4; 5; 6 mm
1 prelungitor biti - 1/4" E 6,3 - 60 mm magnetic

05003 NOU

Trusa 10 biti si accesorii Zirconium



05003	10 piese	77.17

5 biti - 1/4" C 6,3 - 25mm
1x PH 2; PZ 2; TX 15; TX 20; TX 25
4 biti - 1/4" C 6,3 - 25mm
1x PH 2; PZ 2; TX 20; TX 25
1 prelungitor biti - 1/4" E 6,3 - 60 mm magnetic

05014 NOU

Trusa 10 biti si accesorii Torx®



05014	10 piese	53.93

9 biti - 1/4" C 6,3 - 25mm
TX 10; TX15; TX 20(2x); TX 25(2x); TX 30(2x); TX 40
1 prelungitor biti - 1/4" E 6,3 - 60 mm magnetic

05001 NOU

Trusa 10 biti si accesorii Zirconium



05001	10 piese	68.56

9 biti - 1/4" C 6,3 - 25mm
1x PH 1; PH 2; PH 3; PZ 1; PZ 2; PZ 3; TX 20; TX 25; TX 30
1 prelungitor biti - 1/4" E 6,3 - 60 mm magnetic

05004 NOU

Trusa 10 biti si accesorii Industry standard



05004	10 piese	57.09

5 biti - 1/4" C 6,3 - 25 mm
1x PH 2; PZ 2; TX 15; TX 20; TX 25
4 biti - 1/4" C 6,3 - 50 mm
1x PH 2; PZ 2; TX 20; TX 25
1 prelungitor biti - 1/4" E 6,3 - 60 mm magnetic

05015 NOU

Trusa 10 biti, accesorii si burghie HSS pentru metal



05015	10 piese	131.39

5 biti - 1/4" C 6,3 - 25 mm
PH 2; PZ 2; TX15; TX 20; TX 25
4 burghie HSS pentru metal
3; 4; 5; 6 mm
1 prelungitor biti - 1/4" E 6,3 - 60 mm magnetic

05002 NOU

Trusa 10 biti si accesorii Industry standard



05002	10 piese	53.93

9 biti - 1/4" C 6,3 - 25mm
1x PH 1; PH 2; PH 3; PZ 1; PZ 2; PZ 3; TX 20; TX 25; TX 30
1 prelungitor biti - 1/4" E 6,3 - 60 mm magnetic

05006 NOU

Trusa 5 biti si accesorii Industry standard



05006	5 piese	54.80

4 biti - 1/4" C 6,3 - 70 mm
1x PH 2; PZ 2; TX 20; TX 25
1 prelungitor biti - 1/4" E 6,3 - 60 mm magnetic

05017 NOU

Trusa 10 biti, accesorii si tarozi combinati



05017	10 piese	197.95

5 biti - 1/4" C 6,3 - 25 mm
PH 2; PZ 2; TX15; TX 20; TX 25
4 tarozi combinati HSSG
M 3; 4; 5; 6
1 prelungitor biti - 1/4" E 6,3 - 60 mm nemagnetic cu inel

PB-7-6-07-25 NOU

Trusa 6 biti de IMPACT TORX si prelungitor cu eliberere rapida

- *prindere E 6,3 mm*
- *lungime: 25 mm*



1000019060	7 piese	**96.72**

6 biti - 1/4“ E 6,3 - 25mm
T10, T15, T20, T25, T30, T40;
1 prelungitor biti cu eliberere rapida - 1/4“ E 6,3 (845-60)

PB-7-6-06-25 NOU

Trusa 6 biti de IMPACT PH, PZ si TORX + prelungitor cu eliberere rapida

- *prindere E 6,3 mm*
- *lungime: 25 mm*



1000019063	7 piese	**96.72**

6 biti - 1/4“ E 6,3 - 25mm
PH2, PZ2, T15, T20, T25, T30
1 prelungitor biti cu eliberere rapida - 1/4“ E 6,3 (845-60)

PB-6-6-07-50-3 NOU

Trusa 6 biti de IMPACT TORX

- *prindere E 6,3 mm*
- *lungime: 50 mm*



1000019072	6 piese	**91.80**

6 biti - 1/4“ E 6,3 - 50 mm
2xT25, 2x T30, 2x T40

PB-7-6-07-25-2 NOU

Trusa 6 biti de IMPACT TORX si prelungitor cu eliberere rapida

- *prindere E 6,3 mm*
- *lungime: 25 mm*



1000019061	7 piese	**96.72**

6 biti - 1/4“ E 6,3 - 25mm
1xT20, 2 xT25, 2xT30, 1xT40
1 prelungitor biti cu eliberere rapida - 1/4“ E 6,3 (845-60)

PB-6-6-07-50 NOU

Trusa 6 biti de IMPACT TORX

- *prindere E 6,3 mm*
- *lungime: 50 mm*



1000019070	6 piese	**91.80**

6 biti - 1/4“ E 6,3 - 50 mm
T10, T15, T20, T25, T30, T40

PB-6-6-01-50 NOU

Trusa 6 biti de IMPACT PH si PZ

- *prindere E 6,3 mm*
- *lungime: 50 mm*



1000019073	6 piese	**91.80**

6 biti - 1/4“ E 6,3 - 50 mm
PH1, PH2, PH3, PZ1, PZ2, PZ3

PB-7-6-03-25 NOU

Trusa 6 biti de IMPACT Phillips si TORX + prelungitor cu eliberere rapida

- *prindere E 6,3 mm*
- *lungime: 25 mm*



1000019062	7 piese	**96.72**

6 biti - 1/4“ E 6,3 - 25mm
3x PH2, 3x T30
1 prelungitor biti cu eliberere rapida - 1/4“ E 6,3 (845-60)

PB-6-6-07-50-2 NOU

Trusa 6 biti de IMPACT TORX

- *prindere E 6,3 mm*
- *lungime: 50 mm*



1000019071	6 piese	**91.80**

6 biti - 1/4“ E 6,3 - 50 mm
1x T20, 2x T25, 2x T30,1x T40

PB-6-6-06-50 NOU

Trusa 6 biti de IMPACT TX, PH si PZ

- *prindere E 6,3 mm*
- *lungime: 50 mm*



1000019074	6 piese	**91.80**

6 biti - 1/4“ E 6,3 - 50 mm
PH2, PZ2, T15, T20, T25, T30

02082

Trusa 24 biti si accesorii Allrounder



02082	24 piese	169.26

15 biti - 1/4" C 6,3 - 25 mm
PZ 1; PZ 2; PZ 3; PH 1; PH2; PH 3; HEX 4; HEX 5; HEX 6;
TX 10; TX 15; TX 20; TX 25; TX 30; TX 40
tubulare CrV 1/4" 6, 7, 8, 10, 11, 13 mm
clichet manual pentru biti si adaptoare 72 dinti 1/4 "C 6,3
1 prelungitor biti - 1/4" E 6,3 - 60 mm: magnetic
patrat 1/4" C 6,3 x 1/4" - 25 mm - cu bila

02229

Trusa 18 biti Allrounder cu inel de identificare



02229	18 piese	160.60

18 biti - 1/4" E 6,3 - 75mm cu inel colorat
S2 - sablati - uleiati - TORSION: cate o bucata:
CR rosu: PH 1; PH 2; PH 3
CR albastru: PZ 1; PZ 2; PZ 3
CR galben: TX 10; TX 15; TX 20; TX 25; TX 27; TX 30; TX 40
CR portocaliu (SL): 0,5 x 4,0; 1,0 x 6,0
CR portocaliu deschis: HEX 3; HEX 4; HEX 5

02611

Trusa 20 biti cu carabiniera



02611	22 piese	85.20

20 biti - 1/4" E 6,3 - 25mm:
TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40
PH 1, PH 2 (cu diametru redus), PH 3
PZ 1, PZ 2, PZ 3; HEX 6; #1, #2; SL 3; SL 4,5;
SL 5,5; SL 6,5
1 burghiu - 1/4" E 6,3 - 83 mm: dimensiune: 3mm
1 prelungitor biti - 1/4" E 6,3 - magnetic -50 mm

02078

Trusa 26 biti si accesorii Allrounder



02078	26 piese	188.20

18 biti - 1/4" C 6,3 - 25 mm
0,5 x 4,0; 1x 1,0 x 5,5; 1,2 x 6,5; PZ 1; PZ 2; PZ 3; PH 1; PH2;
PH 3; HEX 4; HEX 5; HEX 6;
TXBO 10; TXBO 15; TXBO 20; TXBO 25; TXBO 30; TXBO 40
tubulare CrV 1/4" 6, 7, 8, 10, 11, 13 mm
clichet manual pentru biti si adaptoare 72 dinti 1/4 "C 6,3
1 prelungitor biti - 1/4" E 6,3 - 60 mm: magnetic
patrat 1/4" C 6,3 x 1/4" - 25 mm - cu bila

02525

Trusa 23 biti si accesorii IMPACT



02525	23 piese	184.18

18 biti scurti 1/4" C 6,3 - 25mm IMPACT:
2 x PH 1; 2 x PH 2; 1 x PH 3
2 x PZ 1; 2 x PZ 2; 1 x PZ 3
1 x TX 10; 1 x TX 15; 2 x TX 20; 2 x TX 25;
1 x TX 30; 1 x TX 40
4 biti lungi 1/4" E 6,3 - 50mm IMPACT:
PH 2; PZ 2; TX 20; TX 25
1 prelungitor biti IMPACT - 54 mm – 1/4" E 6,3



02083

Trusa 56 biti si accesorii Allrounder



02083	56 piese	211.15

48 biti - 1/4" C 6,3 - 25 mm
2x 0,6 x 4,5; 2x 1,0 x 5,5; 2x 1,2 x 6,5; 3x PZ 1; 3x PZ 2; 3x PZ 3;
3x PH1; 3x PH2; 3x PH 3; HEX 3; HEX 4; HEX 5; 2x TX 10; 2x TX
15; 2x TX 20; 2x TX 25; 2x TX 27; 2x TX 30; 2x TX 40; 2x TX 10;
2x TX 15; 2x TX 20; 2x TX 25; 2x TX 27; 2x TX 30; 2x TX 40
7 biti - 1/4" E 6,3 - 75 mm
1x PH2; 1x PH 3; 1x PZ 1; 1x PZ 2; 1x TX 20; 1x TX 25; 1x 1,0 x 6,0
prelungitor - 1/4" E 6,3 - 65 mm, blocare rapida - magnetic



02076

Trusa 32 biti si accesorii Allrounder



02076	32 piese	180.74

30 biti - 1/4" C 6,3 - 25 mm
0,6 x 3,5; 0,6 x 4,5; 1,0 x 5,5; 1,2 x 6,5; PZ 1; PZ 2; PZ 3;
PH 1; PH2; PH 3; HEX 3; HEX 4; HEX 5; HEX 6;
TXBO 10; TXBO 15; TXBO 20; TXBO 25; TXBO 27; TXBO 30;
TXBO 40; TX 10; TX 15; TX 20; TX 25; TX 27; TX 30; TX 40
prelungitor - 1/4" E 6,3 - 50 mm, blocare rapida - magnetic
maner 1/4"- cu 2 componente 130 mm - blocare rapida - magnetic

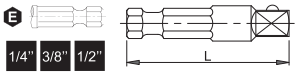
CaBo-3-330 mK

NOU

Trusa adaptoare 1/4” D 6,3

- *material:crom vanadium*
- *capul cheii este tratat in intregime*
- *conform cu standardul DIN 7428*





	Dimensiune		
1000003065	○ 1/4” □ 1/4”; 3/8”; 1/2”	3	215.66

KL-60 Allround

NOU

Trusa 60 biti si accesorii "ALLROUND"



1000003055	60 piese	467.09

60 biti - 1/4” C 6,3 - 25 mm
PH1 (3X) PH2 (3X) PH3 (3X)
PZ1 (3X) PZ2 (3X) PZ3 (3X)
SL 0,6X3,5 SL 0,6X4,5 (2X) SL 0,8X5,5 SL 1,2X6,5
H4 (2X) H5 (2X) H6 (2X) H8 (2X)
T10 (3X) T15 T20 T25 T27 (2X) T30 T40
TX10 TX15 TX20 TX25 TX30 TX40
prelungitor - 1/4” E 6,3 - 50 mm, blocare rapida - magnetic
maner 1/4”- cu 2 componente 130 mm - blocare rapida - magnetic



KL-60 Security

NOU

Trusa 60 biti si accesorii "SECURITY"



1000003059	60 piese	661.31

60 biti - 1/4” C 6,3 - 25 mm
PH0 PH1 PH2 (2X) PH3
PZ1 PZ2 (2X) PZ3
SL 0,6X3,5 SL 0,6X4,5 SL 0,8X5,5 SL 1,2X6,5
H3 H4 H5 H6
T5 T6 T7 T8 T9 T10 T15 T20 !2X" T25 (2X) T27
T30 (2X) T40 (2X)
TX10 TX15 TX20 (2X) TX25 (2X) TX30 (2X) TX40
M4 M5 M6 M8
TW2 TW3 TW4 TW5
TS4 TS6 TS8 TS10
AW10 AW20 AW25 AW40
prelungitor - 1/4” E 6,3 - 50 mm, blocare rapida - magnetic
maner 1/4”- cu 2 componente 130 mm - blocare rapida - magnetic

05047

NOU

Trusa 33 biti si accesorii IMPACT-TORSION



05047	33 piese	180.74

32 biti - 1/4” C 6,3 - 25 mm
PH 1(2x)/2(3x)/3(1x)
PZ 1(2x)/2(3x)/3(2x)
TX 15(2x)/20(5x)/25(5x)/30(5x)/40(2x)
1 prelungitor biti - 1/4“ E 6,3 - 60 mm: magnetic

05033

NOU

Trusa 27 biti si tubulare IMPACT pentru tamplarie



05033	27 piese	360.33

10 biti IMPACT - 1/4" C 6,3 x 25 mm - TORSION:
PH 2/3; TX 20/25/30(3x)/40(3x)
2 Bits - 1/4" C 6,3 x 25 mm: TX 45/50
1 Bit PH 2 - 1/4" C 6,3 x 25 mm cu limitator pentru gips carton
7 biti IMPACT - 1/4" E 6,3 x 70 mm - TORSION:
TX 20/25(2x)/30(2x)/40(2x)
1 prelungitor IMPACT - 1/4" E 6,3 x 54 mm
1 adaptor Quick-Lock de la hex. 1/4" E 6,3 la patrat 1/2"
2 capete chei tubulare IMPACT 1/2" x 38 mm HEX SW 17/19
1 pin siguranta pentru tubulare IMPACT 1/2" - 3 mm x 25 mm
1 pin siguranta pentru tubulare IMPACT 1/2" - Ø 24 mm x Ø 3 mm
1 adaptor de la patrat 1/2" la hexagon 1/4"

05036

NOU

Trusa 28 biti si biti tubulari cu inel colorat



05036	28 piese	391.31

12 biti IMPACT - TORSARE - 25 mm 1/4“ C 6.3
PH 1/2/3; PZ 1/2/3; TX 10/15/20/25/30/40
8 bitiIMPACT - TORSION 50 mm - 1/4“ E 6.3
PH 2/3; PZ 2/3; TX 20/25/30/40
1 suport magnetic biti IMPACT - 54 mm - 1/4" E 6.3 - cu inel de fixare
6 biti tubulari IMPACT - 50 mm - 1/4" E 6.3 - cu magnet cu arc
HEX 1/4"; HEX 7,0 HEX 8,0 (2x); HEX 10.0 HEX 13.0
1 adaptor IMPACT Quick-Lock - 75 mm - de la hexagon 1/4"
E 6,3 la patrat 1/2" - cu bila



DIMENSIUNI PROFILE

Profil TORX®

	mm
TX 5	1,37
TX 6	1,65
TX 7	1,97
TX 8	2,30
TX 9	2,48
TX 10	2,72
TX 15	3,26
TX 20	3,84
TX 25	4,40
TX 27	4,96
TX 30	5,49
TX 40	6,60
TX 45	7,77
TX50	8,79
TX 55	11,17
TX 60	13,20
TX 70	15,49

Profil XZN

	mm
M 4	3,83
M 5	4,80
M 6	6,00
M 8	7,20
M 10	9,60
M 12	11,41
M 14	13,22
M 16	15,63
M 18	16,85
M 20	19,25

Profil TORX® Plus®

	mm
6 IP	1,69
7 IP	1,97
8 IP	2,29
9 IP	2,48
10 IP	2,72
15 IP	3,25
20 IP	3,84
25 IP	4,39
27 IP	4,95
30 IP	5,49
40 IP	6,60
45 IP	7,77
50 IP	8,79
55 IP	11,16
60 IP	13,20
70 IP	15,48

Profil patrat

	mm	mm
00	1,27	1,27
0	1,78	1,78
1	2,31	2,31
2	2,85	2,85
3	3,37	3,37
4	4,84	4,84

CUPLURI DE TESTARE

Profil lat

Conform: DIN 5264, ISO 2380, VSM 35601 și SMS-SS 2223.

	Cuplu in Nm (min.)	
	Utilizare manuala	Utilizare mecanica
0,3 x 2,0	0,18	0,20
0,4 x 2,0	0,30	0,35
0,4 x 2,5	0,40	0,45
0,5 x 3,0	0,70	0,80
0,5 x 3,5	0,90	0,98
0,6 x 3,5	1,30	1,40
0,6 x 4,0	1,40	1,61
0,6 x 4,5	-	1,80
0,8 x 4,0	2,60	2,90
0,8 x 4,5**	2,88	
0,8 x 5,0**	3,20	3,58
0,8 x 5,5	3,50	3,90
1,0 x 5,5	5,50	6,20
1,0 x 6,5**	6,50	7,28
1,0 x 7,0**	7,00	7,80
1,2 x 6,5	9,40	10,50
1,2 x 7,0**	10,00	11,28
1,2 x 8,0	11,50	12,90
1,4 x 9,0**	17,60	19,70
1,5 x 13,0**	29,00	32,00
1,6 x 8,0	20,50	22,90
1,6 x 9,0**	23,00	25,00
1,6 x 10,0	25,60	28,70
2,0 x 12,0	48,00	53,00
2,0 x 13,0	52,00	58,00
2,5 x 14,0	87,00	98,00
2,5 x16,0**	100,00	112,00
3,0 x 18,0**	162,00	181,00

Profil hexagonal

Conform: DIN 911 und ISO 2936

	Cuplu in Nm (min.)
0,70	0,08
0,90	0,18
1,30	0,53
1,50	0,82
2,00	1,90
2,50	3,80
3,00	6,60
3,50*	11,00
4,00	16,00
4,50*	24,00
5,00	30,00
6,00	52,00
7,00	78,00
8,00	120,00
9,00*	180,00
10,00	220,00
11,00*	295,00
12,00	370,00
13,00*	480,00
14,00	590,00
17,00	1000,00
19,00	1000,00
22,00	1000,00
24,00	1000,00
27,00	1000,00

Profil Phillips® si Pozidrive®

Conform: DIN 5260, ISO 8764 und SMS -SS 1687.

	Cuplu in Nm (min.)	
	Utilizare manuala	Utilizare mecanica
0	1,00	1,00
1	3,50	3,90
2	8,20	10,30
3	19,50	32,00
4	38,00	88,70

Profil Torq-Set®

Conform: DIN

	Cuplu in Nm (min.)	
	Utilizare manuala	Utilizare mecanica
2	1,10	1,10
3	1,70	1,70
4	2,80	2,80
5	4,00	4,00
6	5,10	5,10
8	8,50	8,50
10	11,30	11,30
1/4"	28,00	17,00
5/16"	56,00	28,00
3/8"	102,00	62,00
7/16"	147,00	
1/2"	249,00	
9/16"	271,00	
5/8"	339,00	

Profil TORX®

Conform: DIN 5261

	Cuplu in Nm (min.)
TX 5	0,51 / 0,43
TX 6	0,91 / 0,77
TX 7	1,7 / 1,4
TX 8	2,6 / 2,2
TX 9	3,4 / 2,9
TX 10	4,5 /3,8
TX 15	7,7 / 6,5
TX 20	12,7 / 10,8
TX 25	19,0 / 16,1
TX 27	26,9 / 22,9
TX 30	37,4 / 31,8
TX 40	65,1 / 55,3
TX 45	104,0 /88,0
TX 50	159,0 / 135,0
TX 55	257,0 / 218,0
TX 60	445,0 / 379,0
TX 70	701,0 / 596,0

** Dupa testarea cuplului cu valoarea minima, bitii nu trebuie să prezinte deformări sau vatamari la varf.*

*** Standardul de aplicare nu acopera aceste dimensiuni.*

Coeficient μ al frictiunii totale = 0,1 (conform clasa de fabricatie DIN 267 / ISO 898/1)

SW in mm	Dimen-siune	Calitatea elementelor de fixare											
		3,6 (4D)		5,6 (5D)		6,9 (6G)		8,8 (8G)		10,9 (10K)		12,9 (12K)	
		F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm
3,2	**M 1,6**					475	0,125	587	0,150	862	0,215	1.009	0,255
4,0	**M 2**					790	0,26	975	0,315	1.432	0,465	1.676	0,545
5,0	**M 2,5**					1.320	0,52	1.624	0,645	2.385	0,935	2.791	1,095
5,5	**M 3**	690	0,60	1.130	0,51	1.850	0,81	2.450	1,1	3.450	1,5	4.100	1,8
6	**M 3,5**	920	0,47	1.550	0,78	2.450	1,2	3.250	1,7	4.600	2,3	5.500	2,8
7	**M 4**	1.200	0,7	2.000	1,2	3.150	1,9	4.200	2,4	5.900	3,3	7.100	4,0
8 si 9	**M 5**	1.950	1,4	3.250	2,3	5.200	3,6	6.900	4,9	9.7000	7,0	11.600	8,0
10	**M 6**	2.750	2,4	4.550	3,9	7.300	6,3	9.750	8,0	13.700	12	16.400	14
13 si 14	**M 8**	5.050	5,7	8.400	9,5	13.400	15	17.900	20	25.100	28	30.200	34
15 si 17	**M 10**	8.000	11,0	13.300	19,0	21.400	30	28.400	40	40.000	56	48.000	67
19 si 21	**M 12**	11.700	20,0	19.500	33,0	31.100	52	41.500	69	58.500	98	70.000	115
22 si 23	**M 14**	16.000	31,0	26.700	52,0	42.700	83	56.500	110	80.000	155	96.000	185
24 si 26	**M 16**	22.000	48,0	36.700	79,0	58.500	125	78.500	170	110.000	240	132.000	285
27	**M 18**	26.000	66,0	44.600	110,0	71.500	175	95.000	235	134.000	330	160.000	395
30	**M 20**	34.400	92,0	57.500	155,0	91.500	245	122.000	330	172.000	465	206.000	560
32	**M 22**	43.000	125,0	71.500	205,0	115.000	330	152.000	445	214.000	620	257.000	750
36	**M 24**	49.500	160,0	82.500	265,0	132.000	425	176.000	570	248.000	800	298.000	960
41	**M 27**	65.000	235,0	109.000	390,0	174.000	630	232.000	840	326.000	1.200	391.000	1.400
46	**M 30**	79.000	320,0	132.000	530,0	211.000	850	282.000	1.150	397.000	1.600	476.000	1.950
50	**M 33**	98.500	430,0	164.000	720,0	263.000	1.150	351.000	1.550	493.000	2.150	592.000	2.600
55	**M 36**	116.000	550,0	193.000	920,0	309.000	1.500	412.000	1.950	579.000	2.750	695.000	3.300

F_v = Prestrangere **M_A = Cuplu de strangere**

Coeficient μ al frictiunii totale = 0,14 (conform clasa de fabricatie DIN 267 / ISO 898/1)

SW in mm	Dimen-siune	Calitatea elementelor de fixare											
		3,6 (4D)		5,6 (5D)		6,9 (6G)		8,8 (8G)		10,9 (10K)		12,9 (12K)	
		F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm
3,2	**M 1,6**					440	0,15	538	0,18	790	0,27	925	0,31
4,0	**M 2**					73	0,31	895	0,38	1.315	0,56	1.539	0,65
5,0	**M 2,5**					1.220	0,64	1.494	0,78	2.194	1,14	2.567	1,34
5,5	**M 3**	630	0,37	1.050	0,62	1.700	0,99	2.250	1,3	3.150	1,9	3.800	2,2
6	**M 3,5**	850	0,57	1.400	0,95	2.250	1,5	3.000	2,0	4.250	2,9	5.100	3,4
7	**M 4**	1.100	0,85	1.850	1,4	2.900	2,3	3.900	2,9	5.450	4,1	6.550	4,9
8 si 9	**M 5**	1.800	1,7	3.000	2,8	4.800	4,5	6.350	6,0	8.950	8,5	10.700	10
10	**M 6**	2.550	2,9	4.200	4,8	6.750	7,7	9.000	10	12.600	14	15.100	17
13 si 14	**M 8**	4.650	7,0	7.750	12	12.400	19	16.500	25	23.200	35	27.900	41
15 si 17	**M 10**	7.400	14	12.300	23	19.700	37	26.200	49	36.900	69	44.300	83
19 si 21	**M 12**	10.800	24	18.000	40	28.800	65	38.300	86	54.000	120	64.500	145
22 si 23	**M 14**	14.800	39	24.000	64	39.500	105	52.500	135	74.000	190	88.500	230
24 si 26	**M 16**	20.400	59	34.000	98	54.500	155	73.000	210	102.000	295	123.000	355
27	**M 18**	24.800	81	41.000	135	66.000	215	88.000	290	124.000	405	148.000	485
30	**M 20**	31.900	115	53.000	190	85.000	305	114.000	410	160.000	580	192.000	690
32	**M 22**	39.900	155	66.500	260	106.000	415	141.000	550	199.000	780	239.000	930
36	**M 24**	45.900	200	76.500	330	122.000	530	164.000	710	230.000	1.000	276.000	1.2000
41	**M 27**	60.500	295	100.000	490	161.000	780	215.000	1.050	302.000	1.500	363.000	1.800
46	**M 30**	73.500	395	122.000	660	196.000	1.050	262.000	1.450	368.000	2.000	442.000	2.400
50	**M 33**	91.500	540	153.000	900	244.000	1.450	326.000	1.900	458.000	2.700	550.000	3.250
55	**M 36**	107.000	690	179.000	1.150	287.000	1.850	382.000	2.450	537.000	3.450	645.000	4.150

F_v = Prestrangere **M_A = Cuplu de strangere**



PORT-SCULE

Portscule, reductii, prelungitoare, masini de ascutit burghie
Realizate conform standardelor internationale

DIAGER TIVOLY KRONUS BOHRCRAFT cobit tool technology





Mandrine 408

Prelungitoare, dornuri, reductii 409

Ghidaje gaurire 410

Dispozitive ascutit burghie 411



F3513A

Mandrina cu cheie 1,5-13 mm 1/2”-20UNF

- *recomandata pentru masini electrice portabile*
- *deschiderea mandrinei 1,5-13,0 mm*
- *prindere pe filet 1/2”-20 UNF*
- *otel calit*
- *elemente active rectificate*
- *cheie de strangere inclusa*



	Capacitate	Ambalare	
F3513A	1,5-13,0	1	**38.20**

20UNF

Dorn pentru mandrina SDS-plus 1/2”-20UNF



	Dimensiune	Ambalare	
20UNF	SDS-plus - 1/2”-UNF	1	**8.76**

73513A

Mandrina cu cheie 1,5-13 mm 1/2”-20UNF cu dorn adaptor SDS Plus

- *recomandata pentru masini electrice portabile*
- *deschiderea mandrinei 1,5-13,0 mm*
- *prindere pe filet 1/2”-20 UNF*
- *otel calit*
- *elemente active rectificate*
- *cheie de strangere inclusa*



KRONUS

	Capacitate	Ambalare	
73513A	1,5-13,0	1	**41.59**

124K

Mandrina rapida 1,5-13 mm

- *recomandata pentru utilizare pe polizoare electrice unghiulare*
- *capacitate: Ø1,5-13,0 mm*
- *filet: M14*
- *2 mansoane metalice*
- *sistem de blocare*



DIAGER

	Capacitate	Ambalare	
124K	1,5-13,0	1	**450.16**

DRDM

Mandrina automata cu prindere pe con

- *recomandata pentru utilaje stationare*
- *forta mare de strangere*
- *nu necesita cheie de strangere*



	Dimensiune	Dorn	Lungime	
J0106-B12	0,5-6,0 mm	B12	71,0	**289.61**
J0108-B12	0,0-8,0 mm	B12	81,0	**281.30**
J0110-B12	1,0-10,0 mm	B12	91,0	**281.30**
J0113-B12	1,0-13,0 mm	B12	101,0	**286.86**
J0113-B16	1,0-13,0 mm	B16	101,0	**286.86**
J0116-B18	3,0-16,0 mm	B18	113,0	**345.46**
J0120-B22	5,0-20,0 mm	B22	132,0	**521.92**

DRDH

Mandrina cu cheie cu prindere pe con

- *recomandata pentru utilaje stationare*
- *cheie de strangere inclusa*
- *otel calit*
- *elemente active rectificate*
- *cheie de strangere inclusa*



	Dimensiune	Dorn	Lungime	
J2110-B12	1,0-10,0 mm	B12	71,0	**133.19**
J2113-B16	1,0-13,0 mm	B16	81,0	**172.38**
J2116-B18	3,0-16,0 mm	B18	91,0	**219.39**
J2120-B22	5,0-20,0 mm	B22	101,0	**420.39**

CSAY

Prelungitor Con Morse

- *material: otel aliat de scule, tratat termic*
- *in conformitate cu normele DIN 2187*
- *con exterior rectificat, con interior alezat*



	Dimensiune	Dorn	Lungime	
MT1*1	MT1xMT1		145,0	**222.50**
MT1*2	MT1xMT2		160,0	**235.59**
MT1*3	MT1xMT3		181,0	**282.77**
MT2*3	MT2xMT3		196,0	**329.92**
MT2*4	MT2xMT4		221,0	**412.34**
MT3*4	MT3xMT4		240,0	**530.17**
MT3*5	MT3xMT5		275,0	**706.91**
MT4*5	MT4xMT5		300,0	**765.85**

CSAX

Reductie Con Morse

- *material: otel aliat de scule, tratat termic*
- *in conformitate cu normele DIN 2185*
- *con exterior rectificat si con interior alezat*



	Dimensiune	Lungime	
MT2*1	MT2-MT1	105,0	**95.32**
MT3*1	MT3-MT1	124,0	**123.37**
MT3*2	MT3-MT2	131,0	**123.37**
MT4*2	MT4-MT2	139,0	**169.67**
MT4*3	MT4-MT3	156,0	**169.67**
MT5*2	MT5-MT2	164,0	**276.01**
MT5*3	MT5-MT3	172,0	**249.39**

CSBD

Dorn pentru mandrina

- *in conformitate cu normele DIN 238*
- *calit si rectificat in intregime*



	Dimensiune	Lungime	
MT1-B12	MT1-B12	88,0	**74.39**
MT1-B16	MT1-B16	94,0	**74.39**
MT2-B12	MT2-B12	105,0	**78.33**
MT2-B16	MT2-B16	107,0	**87.57**
MT2-B18	MT2-B18	115,0	**87.57**
MT3-B12	MT3-B12	120,0	**105.50**
MT3-B16	MT3-B16	126,0	**105.50**
MT3-B18	MT3-B18	134,0	**105.50**
MT3-B22	MT3-B22	143,0	**123.08**
MT4-B16	MT4-B16	151,0	**129.89**
MT4-B18	MT4-B18	159,0	**129.89**
MT4-B22	MT4-B22	167,0	**129.56**

1460

Reductii Con Morse, conform DIN 2185

- *in conformitate cu DIN 2185*
- *executie din otel aliat de scule; tratate complet*
- *con interior alezat,*
- *con exterior rectificat*



DIN 2185

	Con Morse	LT	AMB	
14600300021	2 / 1	92	1	**78.20**
14600300031	3 / 1	99	1	**100.49**
14600300032	3 / 2	112	1	**100.49**
14600300041	4 / 1	124	1	**126.23**
14600300042	4 / 2	124	1	**126.23**
14600300043	4 / 3	140	1	**126.23**
14600300053	5 / 3	156	1	**277.05**
14600300054	5 / 4	171	1	**277.05**

1463

Arbore/dorn portmandrina DIN 238

- *in conformitate cu DIN 238*
- *executie din otel aliat de scule; complet tratat*
- *suprafetele celor doua conuri rectificate, dintr-o singura prindere*



DIN 238

	Con Morse	Con mandrina	LT	AMB	
14630300110	MK 1	B 10	86	1	**46.72**
14630300112	MK 1	B 12	90	1	**47.54**
14630300116	MK 1	B 16	97	1	**47.54**
14630300210	MK 2	B 10	101	1	**53.44**
14630300212	MK 2	B 12	105	1	**50.49**
14630300216	MK 2	B 16	112	1	**50.49**
14630300218	MK 2	B 18	120	1	**50.49**
14630300312	MK 3	B 12	124	1	**65.25**
14630300316	MK 3	B 16	131	1	**71.48**
14630300318	MK 3	B 18	139	1	**71.48**
14630300416	MK 4	B 16	156	1	**100.98**
14630300418	MK 4	B 18	164	1	**100.98**

1462

Pana extractie DIN 317

- *in conformitate cu DIN 317*
- *executie din otel aliat de scule; complet tratata,*
- *pentru scule si portscule cu Con Morse, conform DIN 228*



DIN 317

	Con Morse	LT	AMB	
14620700012	MK 1 + 2	140	1	**49.18**
14620700003	MK 3	190	1	**71.48**
14620700004	MK 4	225	1	**148.03**
14620700056	MK 5 + 6	265	1	**229.34**

1461

Prelungitor Con Morse, DIN 2187

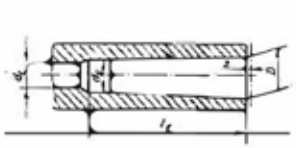
- *in conformitate cu DIN 2187*
- *executie din otel aliat de scule; tratate complet*
- *con interior alezat,*
- *con exterior rectificat*

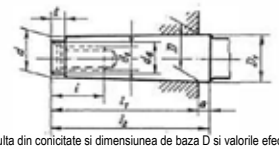


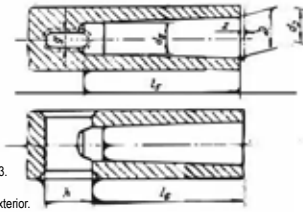
DIN 2187

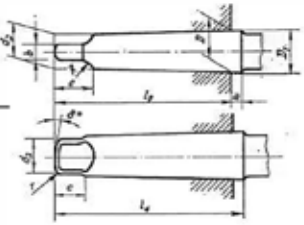
	Con Morse	LT	AMB	
14610300011	1 / 1	145	1	**143.77**
14610300012	1 / 2	160	1	**162.30**
14610300013	1 / 3	181	1	**200.00**
14610300021	2 / 1	160	1	**146.89**
14610300022	2 / 2	175	1	**181.31**
14610300023	2 / 3	196	1	**200.00**
14610300024	2 / 4	221	1	**268.69**
14610300031	3 / 1	175	1	**206.07**
14610300032	3 / 2	194	1	**206.07**
14610300033	3 / 3	215	1	**231.15**
14610300034	3 / 4	240	1	**281.31**
14610300041	4 / 1	200	1	**312.30**
14610300042	4 / 2	210	1	**268.69**
14610300043	4 / 3	140	1	**281.31**
14610300044	4 / 4	265	1	**374.43**
14610300045	4 / 5	300	1	**730.49**

Simbol			Con metric		Con morse								Con metric			
			4	6	0	1	2	3	4	5	6	80	100	120	160	200
Dimensiuni de baza	Conicitate		1:2 =0,05	1:20 =0,05	0,624:12 =1:19,212 =0,05208	0,59858:12 =1:20,047 =0,04998	0,59858:12 =1:20,020 =0,04995	0,60235:2 =1:19,922 =0,05020	0,62326:12 =1:19,254 =0,05194	0,63151:12 =1:19,002 =0,05263	0,62565:12 =1:19,180 =0,05214	1:20 =0,05	1:20 =0,05	1:20 =0,05	1:20 =0,05	1:20 =0,05
Con exterior	D		4	6	9,045	12,065	17,780	23,825	31,267	44,399	63,348	80	100	120	160	200
	Q		2	3	3	3,5	5	5	6,5	6,5	8	8	10	12	16	20
	D1	1)	4,1	6,2	9,2	9,4	18	24,1	31,6	44,7	63,8	80,4	100,5	120,6	160,8	201
	d	1)	2,9	4,4	6,4	12,2	14,6	19,8	25,9	37,6	53,9	70,2	88,4	106,6	143	179,4
	d1		-	-	-	M 6	M 10	M 12	M 16	M 20	M 24	M 30	M 36	M 36	M 48	M 48
	d2	1)	-	-	6,1	9	14	19,1	25,2	36,5	52,4	69	87	105	141	177
	d3	max.	-	-	6	8,7	13,5	18,5	24,5	35,7	51	67	85	102	138	174
	d4	max.	2,5	4	6	9	14	19	25	35,7	51	67	85	102	138	174
	l1	max.	23	32	50	53,5	64	81	105,5	129,5	182	196	232	268	340	412
	l2	max.	25	35	53	57	69	86	109	136	190	204	242	280	356	432
	l3	max.	-	-	56,5	62	75	94	117,5	149,5	210	220	260	300	380	460
	l4	max.	-	-	59,5	65,5	80	99	124	156	218	228	270	310	396	480
	b	h 13	-	-	3,9	5,2	6,3	7,9	11,9	15,9	19	26	32	38	50	62
	c	2)	-	-	6,5	8,5	10	13	16	19	27	24	28	32	40	48
	e	max.	-	-	10,5	13,5	16	20	24	29	40	48	58	68	88	108
	i	min.	-	-	-	16	24	28	32	40	50	65	80	80	100	100
	R	max.	-	-	4	5	6	7	8	10	13	24	30	36	48	60
	r		-	-	1	1,2	1,6	2	2,5	3	4	5	5	6	8	10
	t	max.	2	3	4	5	5	7	9	10	16	24	30	36	48	60
Con interior	d5	H 11	3	4,6	6,7	9,7	14,9	20,2	26,5	38,2	54,6	71,5	90	108,5	145,5	182,5
	d6		-	-	-	7	11,5	14	18	23	27	33	39	39	52	52
	l5	min.	25	34	52	56	67	84	107	135	188	202	240	276	350	424
	l6		21	29	49	52	62	78	98	125	177	186	220	254	321	388
	g	A 13	2,2	3,2	3,9	5,2	6,3	7,9	11,9	15,9	19	23	32	38	50	62
	h		8	12	15	19	22	27	32	38	47	52	60	70	90	110
	z	3)	0,5	0,5	1	1	1	1	1,5	1,5	2	2	2	2	3	3









1) D1, d si d2 sunt valori aproximate si au caracter informativ. Valorile efective rezulta din conicitate si dimensiunea de baza D si valorile efective ale cotei a, l si l3.
2) Este admis de a mari lungimea c de, stnmjire a capului de evacuare la diamecrul d3 pana la valoarea e.
3.) z-in raport cu pozitia nominala de coincidenta cu fata conului interior a planului portant al dimensiunii de bazi D, z este abaterea max. admisa (numai) spre exterior.
COZI CONICE CU CAP DE EVACUARE
COZI CONICE CU GAMA FILETATA

138B

Adaptor SDS-max / SDS-plus



DIAGER

138B

Dimensiune	Lungime totala	
138B compatibil SDS-plus / coada SDS-max	250	**959.18**

02210

Dispozitiv unghiular de gaurire si strangere pentru biti 1/4” C 6,3 si E 6,3

- *solutia ideala pentru gaurire si strangere in locuri greu accesibile*
- *angrenaje din otel calit, pentru precizie de lucru ridicata si durata mare de utilizare*
- *moment maxim de torsiune: 57 Nm*
- *lungime: 140 mm*
- *compatibil cu majoritatea masinilor de gaurit sau surubelnite cu acumulator*
- *turatie maxima recomandata: 2.000 rpm*



cobit tool technology

Dimensiune	L	Ambalare	
02210	1/4”	60	1	**306.96**

XT60632000794

Dispozitiv de ghidaj reglabil pentru imbinari cu cep

- *pentru imbinari usoare si precise de colt sau in T cu cepuri*
- *pozitionarea simultana a gaurilor pe ambele bucati de material ce urmeaza sa fie imbinate fara masuratori preliminarii*



TIVOLY

XT60632000794	**367.77**

XT70017621300

Dispozitiv gaurire si insurubare sub unghi, reglabil la -90º, 0º,+90º ORBITER 360º

- *unicul dispozitiv de acest tip*
- *angrenaj sferic, permite gaurirea si insurubarea intr-un numar infinit de unghiuri pentru aplicatii in spatii reduse.*
- *odata stabilit unghiul de gaurire/insurubare, blocarea se realizeaza printr-o usoara rasucire a manerului.*
- *rotirea inversa deblocheaza dispozitivul*
- *mandrina rapida cu capacitate 0-10 mm.*
- *tija de actionare hexagonala potrivita la toate mandrinele de 10 mm sau mai mari.*
- *se recomanda utilizarea cu masini de gaurit cu fir de 1.000 rpm sau mai mult, cu burghie de pana la 19 mm sau burghie late pentru lemn*
- *NU se utilizeaza cu burghie mai mari de 19 mm, cu nici un fel de carote si/sau burghie elicoidale cu varf de centrare filetat pentru lemn, pentru a evita deteriorarea produsului.*

Mandrina cu strangere rapida 0,0-10,0 mm



Tija hexagonala de antrenare compatibila cu madrinele masinilor elecrtrice de 10,0 mm sau mai mari.

Maner de blocare pe pozitia unghiulara si de sustinere in timpul aplicatiei.





MILESCRAFT

Dimensiune	
XT70017621300	145 mm	**394.03**

XT70017621390

Dispozitiv de gaurire universal DRILL 90º

- *dispozitiv de insurubare si gaurire*
- *la 90° pentru locuri greu accesibile*
- *se livreaza cu mandrina cu cheie 1,0-10,0 mm*
- *maner ergonomic si confortabil ce se poate utiliza cu mana stanga sau cu mana dreapta*
- *constructie robusta din otel cu durata de intrebuintare indelungata*









TIVOLY

Dimensiune	
XT70017621390	135 mm	**220.52**

DRILL DOCTOR 400

Masina de ascutit burghie DRILL DOCTOR 400

DD 400

- *ideal pentru DIY*
- *tipuri de burghie de zidarie cu carbura, HSS, HSS-Co, HSS-TiN*
- *recomandat pentru burghie in gama dimensionala Ø 2,5 - 13 mm*
- *unghi la varf 118°*
- *operatie de ascutire simpla pe fata de asezare*



TIVOLY — Drill Doctor The Drill Bit Sharpener

	Dimensiune	
1111177400B	2,5-13 mm / unghi la varf 118°	1062.93

DRILL DOCTOR 500

Masina de ascutit burghie DRILL DOCTOR 500

DD 500

- *ideal pentru DIY si profesional*
- *tipuri de burghie de zidarie cu carbura, HSS, HSS-Co, HSS-TiN*
- *recomandat pentru burghie in gama dimensionala Ø 2,5 - 13 mm*
- *unghi la varf 118° - 135°*
- *operatie de ascutire pe fata de asezare si detalonare suplimentara (split point)*



TIVOLY — Drill Doctor The Drill Bit Sharpener

	Dimensiune	
1111177500M	2,5-13 mm / unghi la varf 118°-135°	2202.11

DRILL DOCTOR 750

Masina de ascutit burghie DRILL DOCTOR 750

DD 750

- *recomandat pentru burghie in gama dimensionala Ø 2,5 -:- Ø 19 mm*
- *unghi la varf 118° -:- 135°*
- *operatie de ascutire pe fata de asezare si detalonare suplimentara (split point)*
- *unghi de degajare ajustabil*



TIVOLY — Drill Doctor The Drill Bit Sharpener

	Dimensiune	
1111177750M	2,5-19 mm / unghi la varf 118°-135°	2719.56

11111720001

Piatra diamantata de ascutit Gr. 180

M 180

- *pentru masinile de ascutit burghie Drill Doctor 360, 500, 750*



TIVOLY — Drill Doctor The Drill Bit Sharpener

	Dimensiune	
11111720001	Gr. 180	470.16

11111720004

Piatra diamantata de ascutit Gr. 100

M 100

- *pentru masinile de ascutit burghie Drill Doctor 360, 500, 750*



TIVOLY — Drill Doctor The Drill Bit Sharpener

	Dimensiune	
11111720004	Gr. 100	471.30

11111720002

Mandrina 2,5-19 mm DRILL DOCTOR

Ø 2,5-19

- *pentru masinile de ascutit burghie Drill Doctor 500, 750*



TIVOLY — Drill Doctor The Drill Bit Sharpener



	Dimensiune	
11111720002	2,5-19 mm	803.39



SCULE ASCHIETOARE SI ACCESORII

Scule pentru prelucrarea metalelor

Scule pentru gaurire, filetare, frezare, decupare / carotare si alezare

Utilizare in oteluri nealiate, slab sau inalt aliate, oteluri inoxidabile si refractare, fonte, materiale neferoase si aliajele acestora, materile compozite, materiale plastice etc., bare, placi, profile sau diverse piese din aceste materiale

Scule pentru materiale de constructii

Scule pentru gaurire, decupare / carotare si/sau spargere

Utilizare beton, beton armat, zidarie, tencuieli, caramida plina, caramida si prefabricate celulare, placi ceramice, marmura, granit si alte tipuri de piatra (roca) naturala, asfalt, sticla, ghiata, materiale plastice, materiale stratificate diverse etc.

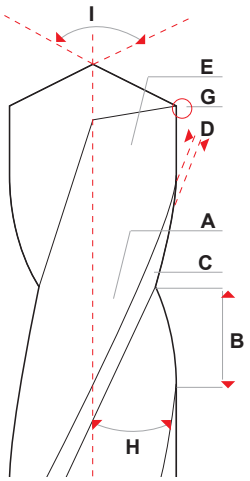
Scule pentru prelucrarea lemnului si a materialelor aglomerate sau stratificate

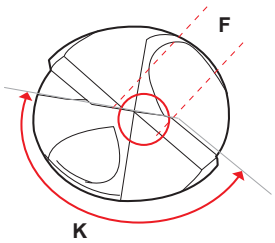
Scule pentru gaurire, frezare, decupare / carotare

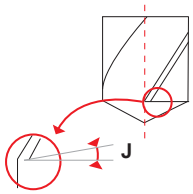
Utilizare in placi din lemn sau lemn masiv, de esenta moale / esenta tare, lemn exotic, lemn verde, placi aglomerate, placi melaminate sau cu diverse alte acoperiri, placi stratificate, placi sau lemn cu cuie, etc.

TIVOLY DIAGER BOHRCRAFT USH GERMANY ASW wekador cobit tool technology KRONUS Professional Quality TOME FETEIRA boa

Burghie pentru metal







A. Dinte

B. Semipasul elicei

C. Fateta dintelui

D. Latimea fatetei

E. Spatele dintelui; suprafata detalonata

F. Miezul burghiului

G. Varful taisului principal, punct extern

H. Unghiul elicei

I. Unghiul la varf ; este unghiul format de cele doua taisuri principale

J. Proiectia unghiului de asezare principal; se refera la unghiul de detalonare pe fata de asezare principala

K. Unghiul taisului transversal

N	$\frac{Vc \times 100}{\varnothing \times \pi}$	Viteza de rotatie
Vc	$\frac{\varnothing \times \pi \times N}{1000}$	Viteza de taiere
Fz	$\frac{Vf}{Z \times N}$	Avans pe dinte
F	$Fz \times Z$	Avans pe rotatie
Vf	$Fz \times Z \times N$	Viteza de avans

Burghie pentru materiale de constructii

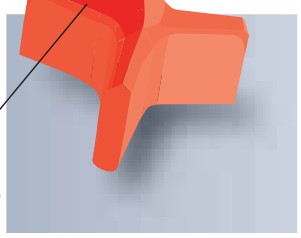
TEHNOLOGIE CU 3 MUCHII TAIETOARE

3 puncte de contact

VARF DIN CARBURA MONOBLOC

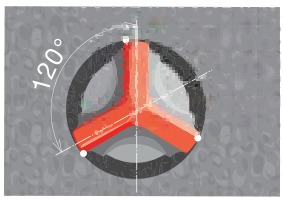
Varf cu autocentrare

unghi 135°, pentru un bun efect de daltuire



GAURI PERFECTE

Unghiul de 120° garanteaza gauri perfect concentrice (3X120°=360). Booster plus permite gauriri drepte.



3 puncte de contact simultane permit o performanta constanta in timp.

GAURIRE FARA FISURAREA BETONULUI





Varful din carbura Booster plus realizeaza gauri curate si perfecte fara fisurarea betonului la gaurirea in apropierea unei margini.

FIXARE OPTIMA



In conformitate cu standardele de fixare europene (ATE)

Burghie cu coada cilindrica, conica, burghie in trepte, accesorii 414
Alezoare de mana si de masina, cu coada cilindrica, conica 433
Tarozi de mana si de masina, filiere, accesorii filetare 435
Freze din carbura monobloc, freze HSS, cu coada cilindrica si conica 445
Freze biax 448
Burghie pentru constructii, dalti, spituri, accesorii 454
Carote placate si diamantate, carote bimetal, seturi de carote 478
Carote bimetal, seturi de carote 491
Carote pentru metal cu prindere Weldon, accesorii 500
Extractoare suruburi rupte, truse reparat filete 505



1100

Burghie cilindrice scurte pentru metal DIN 338, tip N, 118°, HSS, laminate, brunate

- *burghie cilindrice scurte pentru metal, conform DIN 338 tip N, unghi de ascutire 118°*
- *material HSS, tratate termic, laminate, brunate*
- *taiere pe dreapta*
- *unghiul spirei 20-30° / toleranta diametrului h8 .*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, cu σr≤750 N/mm², gaurire in fonte si materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice) se pot folosi atat pe masini de gaurit, utilaje stationare si fixe, cat si pe masini de gaurit portabile, electrice sau pneumatice*



BOHRCRAFT | DIN 338 | HSS R | Typ N | 118° | 750 N/mm²

	Ø	LT	LU	AMB	
11000100030	0,3	19	3	10	1.31
11000100040	0,4	20	5	10	1.31
11000100050	0,5	22	6	10	1.31
11000100060	0,6	24	7	10	1.31
11000100070	0,7	28	9	10	1.31
11000100080	0,8*	30	10	10	1.31
11000100090	0,9	32	11	10	1.31
11000100100	1,0	34	12	10	1.31
11000100110	1,1	36	14	10	1.31
11000100120	1,2	38	16	10	1.31
11000100125	1,25	38	16	10	1.31
11000100130	1,3	38	16	10	1.31
11000100140	1,4	40	18	10	1.31
11000100150	1,5	40	18	10	1.31
11000100160	1,6	43	20	10	1.64
11000100170	1,7	43	20	10	1.64
11000100175	1,75	46	23	10	1.64
11000100180	1,8	46	23	10	1.64
11000100190	1,9	46	23	10	1.64
11000100200	2,0	49	24	10	1.64
11000100210	2,1	49	24	10	1.80
11000100220	2,2	53	27	10	1.80
11000100225	2,25	53	27	10	1.80
11000100230	2,3	53	27	10	1.80
11000100240	2,4	57	30	10	1.80
11000100250	2,5	57	30	10	1.80
11000100260	2,6	57	30	10	2.13
11000100270	2,7	61	33	10	2.13
11000100275	2,75	61	33	10	2.13
11000100280	2,8	61	33	10	2.13
11000100290	2,9	61	33	10	2.13
11000100300	3,0	61	33	10	2.13
11000100310	3,1	65	36	10	2.46
11000100320	3,2	65	36	10	2.46
11000100325	3,25	65	36	10	2.46
11000100330	3,3	65	36	10	2.46
11000100340	3,4	70	39	10	2.46
11000100350	3,5	70	39	10	2.46
11000100360	3,6	70	39	10	2.79
11000100370	3,7	70	39	10	2.79
11000100375	3,75	70	39	10	2.79
11000100380	3,8	75	43	10	2.79
11000100390	3,9	75	43	10	2.79
11000100400	4,0	75	43	10	2.79
11000100410	4,1	75	43	10	2.79
11000100420	4,2	75	43	10	2.79
11000100425	4,25	75	43	10	2.79
11000100430	4,3	80	47	10	2.79
11000100440	4,4	80	47	10	2.79
11000100450	4,5	80	47	10	2.79
11000100460	4,6	80	47	10	3.11
11000100470	4,7	80	47	10	3.11
11000100475	4,75	80	47	10	3.11
11000100480	4,8	86	52	10	3.11
11000100490	4,9	86	52	10	3.11
11000100500	5,0	86	52	10	3.11
11000100510	5,1	86	52	10	3.28
11000100520	5,2	86	52	10	3.28
11000100525	5,25	86	52	10	3.28
11000100530	5,3	86	52	10	3.28
11000100540	5,4	93	57	10	3.28
11000100550	5,5	93	57	10	3.28
11000100560	5,6	93	57	10	3.61
11000100570	5,7	93	57	10	3.61
11000100575	5,75	93	57	10	3.61
11000100580	5,8	93	57	10	3.61
11000100590	5,9	93	57	10	3.61
11000100600	6,0	93	57	10	3.44
11000100610	6,1	101	63	10	4.26
11000100620	6,2	101	63	10	4.26
11000100625	6,25	101	63	10	4.26
11000100630	6,3	101	63	10	4.26
11000100640	6,4	101	63	10	4.26
11000100650	6,5	101	63	10	3.93
11000100660	6,6	101	63	10	4.92
11000100670	6,7	101	63	10	4.92
11000100675	6,75	109	69	10	4.92
11000100680	6,8	109	69	10	4.92
11000100690	6,9	109	69	10	4.92
11000100700	7,0	109	69	10	4.43
11000100710	7,1	109	69	10	5.74
11000100720	7,2	109	69	10	5.74
11000100725	7,25	109	69	10	5.74
11000100730	7,3	109	69	10	5.74
11000100740	7,4	109	69	10	5.74
11000100750	7,5	109	69	10	5.25
11000100760	7,6	117	75	10	6.23
11000100770	7,7	117	75	10	6.23
11000100775	7,75	117	75	10	6.23
11000100780	7,8	117	75	10	6.23
11000100790	7,9	117	75	10	6.23
11000100800	8,0	117	75	10	6.23
11000100810	8,1	117	75	10	7.21
11000100820	8,2	117	75	10	7.21
11000100825	8,25	117	75	10	7.21
11000100830	8,3	117	75	10	7.21
11000100840	8,4	117	75	10	7.21
11000100850	8,5	117	75	10	7.21
11000100860	8,6	125	81	10	7.54
11000100870	8,7	125	81	10	7.54
11000100875	8,75	125	81	10	7.54
11000100880	8,8	125	81	10	7.54
11000100890	8,9	125	81	10	7.54
11000100900	9,0	125	81	10	7.54
11000100910	9,1	125	81	10	9.34
11000100920	9,2	125	81	10	9.34
11000100925	9,25	125	81	10	9.34
11000100930	9,3	125	81	10	9.34
11000100940	9,4	125	81	10	9.34
11000100950	9,5	125	81	10	8.85
11000100960	9,6	133	87	10	10.33
11000100970	9,7	133	87	10	10.33
11000100975	9,75	133	87	10	10.33
11000100980	9,8	133	87	10	10.33
11000100990	9,9	133	87	10	10.33
11000101000	10,0	133	87	10	9.84
11000101010	10,1	133	87	10	12.30
11000101020	10,2	133	87	10	11.31
11000101025	10,25	133	87	10	12.30
11000101030	10,3	133	87	10	12.30
11000101040	10,4	133	87	10	12.30
11000101050	10,5	133	87	10	11.15
11000101060	10,6	142	94	10	14.43
11000101070	10,7	142	94	10	14.43
11000101075	10,75	142	94	10	14.43
11000101080	10,8	142	94	10	14.43
11000101090	10,9	142	94	10	14.43
11000101100	11,0	142	94	10	13.28
11000101110	11,1	142	94	10	14.92
11000101120	11,2	142	94	10	14.92
11000101125	11,25	142	94	10	14.92
11000101130	11,3	142	94	10	14.92
11000101140	11,4	142	94	10	14.92
11000101150	11,5	142	94	10	14.92
11000101160	11,6	151	101	10	16.56
11000101170	11,7	151	101	10	16.56
11000101175	11,75	151	101	10	16.56
11000101180	11,8	151	101	10	16.23
11000101190	11,9	151	101	10	16.23
11000101200	12,0	151	101	10	15.90
11000101210	12,1	151	101	10	18.52
11000101220	12,2	151	101	10	18.52
11000101225	12,25	151	101	10	18.52
11000101230	12,3	151	101	10	18.52
11000101240	12,4	151	101	10	18.52
11000101250	12,5	151	101	10	18.20
11000101260	12,6	151	101	10	18.85
11000101270	12,7	151	101	10	18.85
11000101275	12,75	151	101	10	18.85
11000101280	12,8	151	101	10	18.85
11000101290	12,9	151	101	10	18.85
11000101300	13,0	151	101	10	18.20
11000101350	13,5	160	108	10	21.97
11000101400	14,0	160	108	10	24.10
11000101450	14,5	169	114	10	26.39
11000101500	15,0	169	114	10	28.52
11000101550	15,5	178	120	10	32.30
11000101600	16,0	178	120	5	34.43
11000101650	16,5	184	125	5	39.84
11000101700	17,0	184	125	5	43.11
11000101750	17,5	191	130	5	44.59
11000101800	18,0	191	130	5	53.93
11000101850	18,5	198	135	5	55.57
11000101900	19,0	198	135	5	60.00
11000101950	19,5	205	140	5	65.08
11000102000	20,0	205	140	1	66.56

* burghiul este rectificat si brunat

1100 SB

Burghie cilindrice scurte pentru metal DIN 338, tip N, 118°, HSS, laminate, brunate, husa

- *burghie cilindrice scurte pentru metal, conform DIN 338 tip N, unghi ascutire 118°*
- *material HSS, tratate termic, laminate, brunate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°*
- *toleranta diametrului h8 .*
- *destinatie si utilizare idem Art 1100*





BOHRCRAFT | DIN 338 | HSS R | Typ N | 118°

	Ø	LT	LU	AMB	
11000730100	1,0	34	12	3	5.08
11000730150	1,5	40	18	3	5.08
11000730200	2,0	49	24	3	5.08
11000730250	2,5	57	30	3	5.57
11000730300	3,0	61	33	3	5.57
11000730310	3,1	65	36	3	8.52
11000730320	3,2	65	36	3	8.52
11000730330	3,3	65	36	3	8.52
11000720350	3,5	70	39	2	4.43
11000720400	4,0	75	43	2	4.43
11000720410	4,1	75	43	2	7.38
11000720420	4,2	75	43	2	4.92
11000720450	4,5	80	47	2	5.08
11000720480	4,8	86	52	2	5.74
11000720500	5,0	86	52	2	5.90
11000700510	5,1	86	52	1	5.57
11000700520	5,2	86	52	1	5.57
11000700550	5,5	93	57	1	4.10
11000700600	6,0	93	57	1	4.43
11000700650	6,5	101	63	1	4.75
11000700680	6,8	109	69	1	7.38
11000700700	7,0	109	69	1	5.25
11000700750	7,5	109	69	1	7.38
11000700800	8,0	117	75	1	6.39
11000700850	8,5	117	75	1	7.05
11000700900	9,0	125	81	1	7.70
11000700950	9,5	125	81	1	10.66
11000701000	10,0	133	87	1	9.34
11000701020	10,2	133	87	1	13.11
11000701050	10,5	133	87	1	13.28
11000701100	11,0	142	94	1	15.74
11000701150	11,5	142	94	1	16.39
11000701200	12,0	151	101	1	17.54
11000701250	12,5	151	101	1	19.02
11000701300	13,0	151	101	1	19.02



1109

Burghie cilindrice cu coada redusa pentru metal DIN 338, tip N, 118°, HSS, laminate, brunate

- *burghie cilindrice scurte pentru metal, conform DIN 338, tip N, 118°*
- *material HSS, tratate termic, laminate, brunate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *varianta constructiva cu coada redusa*
- *destinatie si utilizare idem Art 1100 si Art 1100SB*



BOHRCRAFT | DIN 338 | HSS R | Typ N | 118°

	Ø	LT	LU	COADA	AMB	
11090101050	10,5	133	87	10 x 30	5	16.56
11090101100	11,0	142	94	10 x 30	5	18.85
11090101150	11,5	142	94	10 x 30	5	20.33
11090101200	12,0	151	101	10 x 30	5	22.62
11090101250	12,5	151	101	10 x 30	5	24.75
11090101300	13,0	151	101	10 x 30	5	24.75
11090101350	13,5	160	108	10 x 30	5	29.02
11090101400	14,0	160	108	10 x 30	5	33.61
11090101450	14,5	169	114	10 x 30	5	38.52
11090101500	15,0	169	114	10 x 30	5	40.16
11090101550	15,5	178	120	10 x 30	5	46.23
11090101600	16,0	178	120	10 x 30	5	47.21
11090101650	16,5	184	125	13 x 35	5	51.31
11090101700	17,0	184	125	13 x 35	5	51.31
11090101750	17,5	191	130	13 x 35	5	56.89
11090101800	18,0	191	130	13 x 35	5	60.33
11090101850	18,5	198	135	13 x 35	5	64.59
11090101900	19,0	198	135	13 x 35	5	66.72
11090101950	19,5	205	140	13 x 35	5	69.67
11090102000	20,0	205	140	13 x 35	1	72.79

1109 SB

Burghie cilindrice cu coada redusa pentru metal DIN 338, tip N, 118°, HSS, laminate, brunate, husa

- *burghie cilindrice scurte pentru metal, conform DIN 338, tip N, 118°*
- *material HSS, tratate termic, laminate, brunate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *varianta constructiva cu coada redusa*
- *destinatie si utilizare idem Art 1100 si Art 1100SB*





BOHRCRAFT | DIN 338 | HSS R | Typ N | 118°

	Ø	LT	LU	COADA	AMB	
11090701050	10,5	133	87	10 x 30	1	19.84
11090701100	11,0	142	94	10 x 30	1	21.48
11090701150	11,5	142	94	10 x 30	1	22.13
11090701200	12,0	151	101	10 x 30	1	23.11
11090701250	12,5	151	101	10 x 30	1	25.57
11090701300	13,0	151	101	10 x 30	1	28.52
11090701350	13,5	160	108	10 x 30	1	32.62
11090701400	14,0	160	108	10 x 30	1	35.41
11090701450	14,5	169	114	10 x 30	1	40.16
11090701500	15,0	169	114	10 x 30	1	45.08
11090701550	15,0	178	120	10 x 30	1	49.84
11090701600	16,0	178	120	10 x 30	1	55.57
11090701650	16,5	184	125	13 x 35	1	56.07
11090701700	17,0	184	125	13 x 35	1	59.34
11090701750	17,5	191	130	13 x 35	1	62.79
11090701800	18,0	191	130	13 x 35	1	64.75
11090701850	18,5	198	135	13 x 35	1	69.67
11090701900	19,0	198	135	13 x 35	1	71.64
11090701950	19,5	205	140	13 x 35	1	75.25
11090702000	20,0	205	140	13 x 35	1	78.52

V10

Trusa burghie DIN 338, HSS, laminate 1,0-10,0 mm x 0,5 mm, 19 piese



BOHRCRAFT

11001410119 | 19 piese | 111.80
1,0-10,0 mm x 0,5 mm / 19 piese

902001

Set burghie DIN 338, laminate, HSS

- *material: HSS*
- *in conformitate cu DIN 338*



TIVOLY | 19 PCS | HSS | STEAM TREATED | DIN 338 | 118°

90200170002 | 19 piese | 96.39
1,0-10,0 mm x 0,5 mm / 19 piese

902001

Set burghie DIN 338, laminate, HSS

- *material: HSS*
- *in conformitate cu DIN 338*



TIVOLY | 25 PCS | HSS | STEAM TREATED | DIN 338 | 118°

90200170003 | 25 piese | 188.46
1,0-13,0 mm x 0,5 mm / 25 piese

P6

Trusa burghie DIN 338, HSS, laminate, 2,0-8,0 mm / 6 piese



BOHRCRAFT

11001430006 | 6 piese | 39.02
2,0-8,0 mm / 6 piese

1120

Burghie cilindrice scurte pentru metal DIN 338, tip N, 118°, HSS-G rectificate

- *burghie cilindrice scurte pentru metal, conform DIN 338, tip N, unghi de ascutire 118°*
- *material HSS-G, tratate, rectificate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, cu σr≤800 N/mm², gaurire in fonte si materiale neferoase (aliaje de aluminiu, cupru si bronzuri), mase plastice, materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)*
- *recomandabil a se pot folosi pe masini de gaurit, utilaje tationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice*



BOHRCRAFT | DIN 338 | HSS G | Typ N | 118° | SPLIT POINT | DIN 1412 C | 800 N/mm²

	Ø	LT	LU	AMB	
11200100050	0,5	22	6	10	2.46
11200100060	0,6	24	7	10	2.46
11200100070	0,7	28	9	10	2.46
11200100080	0,8	30	10	10	2.46
11200100090	0,9	32	11	10	2.46
11200100100	1,0	34	12	10	2.46
11200100110	1,1	36	14	10	2.46
11200100120	1,2	38	16	10	2.46
11200100130	1,3	38	16	10	2.46
11200100140	1,4	40	18	10	2.46
11200100150	1,5	40	18	10	2.46
11200100160	1,6	43	20	10	2.46
11200100170	1,7	43	20	10	2.46
11200100180	1,8	46	23	10	2.46
11200100190	1,9	46	23	10	2.46
11200100200	2,0	49	24	10	2.46
11200100210	2,1	49	24	10	2.62
11200100220	2,2	53	27	10	2.62
11200100230	2,3	53	27	10	2.62
11200100240	2,4	57	30	10	2.62
11200100250	2,5	57	30	10	2.62
11200100260	2,6	57	30	10	2.62
11200100270	2,7	61	33	10	2.62
11200100280	2,8	61	33	10	2.62
11200100290	2,9	61	33	10	2.62
11200100300	3,0	61	33	10	2.62
11200100310	3,1	65	36	10	3.11

	Ø	LT	LU	AMB	
11200100320	3,2	65	36	10	3.11
11200100325	3,25	65	36	10	3.11
11200100330	3,3	65	36	10	3.11
11200100340	3,4	70	39	10	3.11
11200100350	3,5	70	39	10	2.95
11200100360	3,6	70	39	10	4.43
11200100370	3,7	70	39	10	4.43
11200100380	3,8	75	43	10	4.43
11200100390	3,9	75	43	10	4.43
11200100400	4,0	75	43	10	4.10
11200100410	4,1	75	43	10	5.08
11200100420	4,2	75	43	10	5.08
11200100425	4,25	75	43	10	5.57
11200100430	4,3	80	47	10	5.57
11200100440	4,4	80	47	10	5.57
11200100450	4,5	80	47	10	5.08
11200100460	4,6	80	47	10	6.72
11200100470	4,7	80	47	10	6.72
11200100480	4,8	86	52	10	6.72
11200100490	4,9	86	52	10	6.72
11200100500	5,0	86	52	10	5.90
11200100510	5,1	86	52	10	7.21
11200100520	5,2	86	52	10	6.72
11200100530	5,3	86	52	10	7.21
11200100540	5,4	93	57	10	7.21
11200100550	5,5	93	57	10	6.72
11200100560	5,6	93	57	10	8.69
11200100570	5,7	93	57	10	8.69
11200100580	5,8	93	57	10	8.69
11200100590	5,9	93	57	10	8.69
11200100600	6,0	93	57	10	7.70
11200100610	6,1	101	63	10	9.34
11200100620	6,2	101	63	10	9.34
11200100630	6,3	101	63	10	9.34
11200100640	6,4	101	63	10	9.34
11200100650	6,5	101	63	10	8.52
11200100660	6,6	101	63	10	11.48
11200100670	6,7	101	63	10	11.48
11200100680	6,8	109	69	10	10.33
11200100690	6,9	109	69	10	11.48
11200100700	7,0	109	69	10	10.33
11200100710	7,1	109	69	10	13.44
11200100720	7,2	109	69	10	13.44
11200100730	7,3	109	69	10	13.44
11200100740	7,4	109	69	10	13.44
11200100750	7,5	109	69	10	11.80
11200100760	7,6	117	75	10	15.08
11200100770	7,7	117	75	10	15.08
11200100780	7,8	117	75	10	15.08
11200100790	7,9	117	75	10	15.08
11200100800	8,0	117	75	10	14.59
11200100810	8,1	117	75	10	17.38
11200100820	8,2	117	75	10	17.38
11200100830	8,3	117	75	10	17.38
11200100840	8,4	117	75	10	17.38
11200100850	8,5	117	75	10	15.41
11200100860	8,6	125	81	10	18.52
11200100870	8,7	125	81	10	18.52
11200100880	8,8	125	81	10	18.52
11200100890	8,9	125	81	10	18.52
11200100900	9,0	125	81	10	17.38
11200100910	9,1	125	81	10	20.98
11200100920	9,2	125	81	10	20.98
11200100930	9,3	125	81	10	20.98
11200100940	9,4	125	81	10	20.98
11200100950	9,5	125	81	10	18.85
11200100960	9,6	133	87	10	23.77
11200100970	9,7	133	87	10	23.77
11200100980	9,8	133	87	10	23.77
11200100990	9,9	133	87	10	23.77
11200101000	10,0	133	87	10	20.98
11200101010	10,1	133	87	10	24.59
11200101020	10,2	133	87	10	24.59
11200101030	10,3	133	87	10	24.59
11200101040	10,4	133	87	10	24.59
11200101050	10,5	133	87	10	22.30
11200101060	10,6	142	94	10	26.72
11200101070	10,7	142	94	10	26.72
11200101080	10,8	142	94	10	26.72
11200101090	10,9	142	94	10	26.72
11200101100	11,0	142	94	10	25.25
11200101110	11,1	142	94	10	29.02
11200101120	11,2	142	94	10	29.02
11200101130	11,3	142	94	10	29.02
11200101150	11,5	142	94	10	27.38
11200101180	11,8	142	94	10	32.46
11200101190	11,9	142	94	10	32.46
11200101200	12,0	151	101	10	30.82
11200101220	12,2	151	101	10	35.08
11200101225	12,25	151	101	10	35.08
11200101250	12,5	151	101	10	32.46
11200101270	12,7	151	101	10	39.84

	Ø	LT	LU	AMB	
11200101275	12,75	151	101	10	39.84
11200101280	12,8	151	101	10	39.84
11200101300	13,0	151	101	10	36.56
11200101350	13,5	160	108	10	55.57
11200101400	14,0	160	108	10	58.36
11200101450	14,5	169	114	10	63.61
11200101500	15,0	169	114	10	75.41
11200101550	15,5	178	120	10	82.79
11200101600	16,0	178	120	5	82.79

1129

Burghie cilindrice scurte pentru metal DIN 338, tip N, 118°, HSS-G rectificate, pe stanga

- *burghie cilindrice scurte pentru metal, conform DIN 338, tip N, unghi de ascutire 118°*
- *material HSS-G, tratate, rectificate*
- *taiere pe stanga*
- *unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri, oteluri turnate ne aliate si aliate, cu σr≤800 N/mm² si oteluri pentru tratament termic cu σr≤1100 N/mm², gaurire in fonte, fonte recoapte, fonte grafitate ductile turnate sub presiune si materiale neferoase (aliaje de aluminiu, cupru si bronzuri), mase plastice, materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)*
- *recomandabil a se pot folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice*



BOHRCRAFT PROFI PLUS by BOHRCRAFT PREMIUM INDUSTRIE-QUALITÄT

DIN	HSS	Typ	118°	DIN 1412 C	800
338	G	N		SPLIT POINT	N/mm²

	Ø	LT	LU	AMB	
11290300100	1,0	34	12	10	6.39
11290300150	1,5	40	18	10	6.89
11290300200	2,0	49	24	10	7.70
11290300240	2,4	57	30	10	8.52
11290300250	2,5	57	30	10	8.52
11290300260	2,6	57	30	10	11.64
11290300300	3,0	61	33	10	11.64
11290300320	3,2	65	36	10	12.30
11290300330	3,3	65	36	10	12.30
11290300340	3,4	70	39	10	12.30
11290300350	3,5	70	39	10	12.30
11290300400	4,0	75	43	10	13.44
11290300420	4,2	75	43	10	16.23
11290300450	4,5	80	47	10	16.23
11290300480	4,8	86	52	10	19.34
11290300500	5,0	86	52	10	19.34
11290300520	5,2	86	52	10	23.93
11290300550	5,5	93	57	10	23.93
11290300600	6,0	93	57	10	25.57
11290300650	6,5	101	63	10	30.98
11290300680	6,8	109	69	10	34.26
11290300690	6,9	109	69	10	34.26
11290300700	7,0	109	69	10	34.26
11290300750	7,5	109	69	10	38.69
11290300800	8,0	117	75	10	45.08
11290300850	8,5	117	75	10	48.03
11290300900	9,0	125	81	10	59.18
11290300950	9,5	125	81	10	62.30
11290301000	10,0	133	87	10	67.70
11290301020	10,2	133	87	10	83.77
11290301050	10,5	133	87	10	83.77
11290301100	11,0	142	94	10	90.16
11290301150	11,5	142	94	10	115.74
11290301200	12,0	151	101	10	123.28
11290301250	12,5	151	101	10	130.98
11290301300	13,0	151	101	5	134.10

1110

Burghie cilindrice scurte pentru metal DIN 338, tip N, 118°, HSS-G rectificate, cu coada redusa

- *burghie cilindrice scurte pentru metal, conform DIN 338, tip N, unghi de ascutire 118°*
- *material HSS-G, tratate, rectificate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinatie si utilizare idem Art 1120 si Art 1120SB*



BOHRCRAFT

DIN	HSS	Typ	118°	DIN 1412 C	800
338	G	N		SPLIT POINT	N/mm²

	Ø	LT	LU	COADA	
11100101050	10,50	133	87	10 x 30	28.36
11100101100	11,00	142	94	10 x 30	28.36
11100101150	11,50	142	94	10 x 30	32.79
11100101200	12,00	151	101	10 x 30	38.03
11100101250	12,50	151	101	10 x 30	42.13
11100101300	13,00	151	101	10 x 30	45.25
11100101350	13,50	160	108	10 x 30	47.54
11100101400	14,00	160	108	10 x 30	50.98
11100101450	14,50	169	114	10 x 30	58.85
11100101500	15,00	169	114	10 x 30	62.79
11100101550	15,50	178	120	10 x 30	66.89
11100101600	16,00	178	120	10 x 30	70.00
11100101650	16,50	184	125	13 x 35	78.20
11100101700	17,00	184	125	13 x 35	80.33
11100101750	17,50	191	130	13 x 35	83.93
11100101800	18,00	191	130	13 x 35	85.90
11100101850	18,50	198	135	13 x 35	91.64
11100101900	19,00	198	135	13 x 35	97.54
11100101950	19,50	205	140	13 x 35	100.82
11100102000	20,00	205	140	13 x 35	103.93
11100102050	20,50	225	145	13 x 40	131.31
11100102100	21,00	225	145	13 x 40	147.70
11100102150	21,50	230	150	13 x 40	147.70
11100102200	22,00	230	150	13 x 40	153.44
11100102250	22,50	230	155	13 x 40	159.67
11100102300	23,00	230	155	13 x 40	175.90
11100102350	23,50	230	155	13 x 40	175.90
11100102400	24,00	250	160	13 x 40	197.87
11100102450	24,50	250	160	13 x 40	197.87
11100102500	25,00	250	160	13 x 40	203.44

1110 SB

Burghie cilindrice scurte pentru metal DIN 338, tip N, 118°, HSS-G rectificate, cu coada redusa, husa



BOHRCRAFT

DIN	HSS	Typ	118°	DIN 1412 C	800
338	G	N		SPLIT POINT	N/mm²

	Ø	LT	LU	COADA	
11100701050	10,50	133	87	10 x 30	31.80
11100701100	11,00	142	94	10 x 30	31.80
11100701150	11,50	142	94	10 x 30	35.90
11100701200	12,00	151	101	10 x 30	40.98
11100701250	12,50	151	101	10 x 30	45.25
11100701300	13,00	151	101	10 x 30	48.20
11100701350	13,50	160	108	10 x 30	51.15
11100701400	14,00	160	108	10 x 30	54.10
11100701450	14,50	169	114	10 x 30	61.97
11100701500	15,00	169	114	10 x 30	66.07
11100701550	15,50	178	120	10 x 30	70.16
11100701600	16,00	178	120	10 x 30	72.95
11100701650	16,50	184	125	13 x 35	81.31
11100701700	17,00	184	125	13 x 35	83.61
11100701750	17,50	191	130	13 x 35	87.05
11100701800	18,00	191	130	13 x 35	89.02
11100701850	18,50	198	135	13 x 35	94.75
11100701900	19,00	198	135	13 x 35	100.82
11100701950	19,50	205	140	13 x 35	104.10
11100702000	20,00	205	140	13 x 35	107.38

11452070017

Set burghie DIN 338, rectificate, HSS 1-13 mm x 0,5 mm / 25 piese

- *material: HSS*
- *in conformitate cu DIN 338*



TIVOLY



11452070017	1,0-13,0 mm x 0,5 mm / 25 piese		491.84

11452070015

Set burghie DIN 338, rectificate, HSS 1-10 mm x 0,5 mm / 19 piese

- *material: HSS*
- *in conformitate cu DIN 338*



TIVOLY



11452070015	1,0-10,0 mm x 0,5 mm / 19 piese		276.79

MT13

Trusa burghie DIN 338, HSS-TiN, rectificate, 1,0-13,0 mm x 0,5 mm 25 piese



BOHRCRAFT

11301310025	25 piese 1,0-13,0 mm x 0,5 mm / 25 piese		360.98

VE10

Trusa burghie DIN 338, HSS-E Co 5%, rectificate, 1,0-10,0 mm x 0,5 mm / 19 piese



BOHRCRAFT

11401410119	19 piese 1,0-10,0 mm x 0,5 mm / 19 piese		366.39

VG10

Trusa burghie DIN 338, HSS-G, rectificate, 1,0-10,0 mm x 0,5 mm 19 piese



BOHRCRAFT

11201410119	19 piese 1,0-10,0 mm x 0,5 mm / 19 piese		170.66

11453170001

Set burghie DIN 338, titanizate, HSS 1-10 mm x 1,0 mm / 10 piese

- *material: HSS, acoperire TiN*
- *in conformitate cu DIN 338*

TIVOLY





11453170001	1,0-10,0 mm x 1,0 mm / 10 piese		237.54

11452070003 NOU

Set burghie DIN 338, rectificate, HSS 1-13 mm / 100 piese

- *burghie cilindrice scurte pentru metal, conform DIN 338, tip N, unghi de ascutire 118°*
- *material HSS-G, tratate, rectificate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, cu σr≤800 N/mm², gaurire in fonte si materiale neferoase (aliaje de aluminiu, cupru si bronzuri), mase plastice, materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburimetalice)*



TIVOLY



11452070003	1-13 mm / 100 piese	1270		625,41

(Ø 1 - 1.5 (x5) - 2 - 2.5 - 3 (x10)- 3.2 - 3.5 (x5) - 4 (x10) - 4.2 - 4.5 (x5) - 5 (x10) 5.5 (x3) - 6 (x5) - 6.5 - 8 (x3) - 8.5 - 9 - 10 - 11 - 12 - 13 mm (x1)

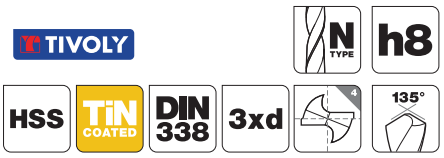
1145312

Burghie cilindrice scurte pentru metal, conform DIN 338, tip N, HSS, "Steam TiN", acoperire TiN

- *aplicatii: otel inoxidabil, fonta, oteluri cu rezistenta la rupere < 950 N/mm²*
- *gaurirea rapida fara efort in serii mari*
- *durata mai lunga de viata datorita stratului de acoperire TiN*
- *precizia gaurii obtinute datorita varfului de ascutire de 135°*
- *coada cu 3 aplatizari pentru o prindere antialunecare perfecta*
- *patent TIVOLY*



TIVOLY



	Ø	d2	L	l1	
11453120100	1	1	34	12	14.59
11453120150	1.5	1.5	40	18	14.92
11453120200	2	2	49	24	10.66
11453120250	2.5	2.5	57	30	12.30
11453120300	3	3	61	33	12.46
11453120320	3.2	3.2	65	36	13.11
11453120350	3.5	3.5	70	39	13.28
11453120400	4	4	75	43	14.43
11453120420	4.2	4.2	75	43	15.41
11453120450	4.5	4.5	80	47	15.57
11453120500	5	5	86	52	16.56
11453120520	5.2	5.2	86	52	22.13
11453120550	5.5	5.5	93	57	19.51
11453120600	6	6	93	57	20.16
11453120650	6.5	6.5	101	63	25.08
11453120700	7	7	109	69	27.87
11453120800	8	8	117	75	35.08
11453120850	8.5	8.5	117	75	37.87
11453120900	9	9	125	81	42.79
11453121000	10	10	133	87	48.52
11453121100	11	11	142	94	66.89
11453121200	12	12	151	101	76.72
11453121300	13	13	151	101	85.08

11453170006

Trusa burghie DIN 338, HSS, Steam TiN, 2,0-10,0 mm, 18 piese



TIVOLY | N TYPE | h8 | HSS | TiN COATED | DIN 338 | 3xd | 135°

11453170006	18 piese	337.21

2, 2.5, 3, 3.3, 3.5, 4, 4.2, 4.5, 5, 5.5, 6, 6.5, 6.8, 7, 8, 8.5, 9, 10

11453170002

Trusa burghie DIN 338, HSS, Steam TiN, 2,0-8,0 mm, 6 piese



TIVOLY | N TYPE | h8 | HSS | TiN COATED | DIN 338 | 3xd | 135°

11453170002	6 piese	95.82

2, 3, 4, 5, 6, 8

1201

Burghie cilindrice scurte pentru metal DIN 338, HSS-G rectificate, cu varf centrare, Turbocraft®

- *burghie cilindrice scurte pentru metal, Turbocraft®, conform DIN 338, tip N, 130°, material HSS, tratate termic, rectificate, finisaj Bi-Color*
- *taiere pe dreapta, unghiul spirei 20-30°, toleranta diametrului h8*
- *de la Ø 3,3 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C si fragmentatori de aschii, pentru o aschiere mai usoara, micsorarea fortei de aschiere si o gaurire mai rapida*
- *de la Ø 5,0 mm coada cu aplatizari anti alunecare*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, cu σr≤800 N/mm², si oteluri pentru tratament termic cu σr≤1100 N/mm², oteluri inoxidabile, gaurire in fonte si materiale neferoase (aliaje de aluminiu, cupru si bronzuri), mase plastice, materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice), lemn, plastic*
- *recomandabil a se pot folosi pe masini de gaurit, utilaje. stationare si fixe, dar si pe masini de gaurit portabile, cu acumulator*



BOHRCRAFT | PROFI BASIC by BOHRCRAFT

DIN 338 | HSS G | Typ N | TURBO | 800 N/mm²

	Ø	LT	LU	AMB	
12010300100	1,00	34	12	10	4.43
12010300150	1,50	40	18	10	4.43
12010300200	2,00	49	24	10	5.08
12010300250	2,50	57	30	10	5.08
12010300300	3,00	61	33	10	6.23
12010300310	3,10*	65	36	10	7.21
12010300320	3,20*	65	36	10	7.21
12010300330	3,30	65	36	10	7.21
12010300350	3,50	70	39	10	7.21
12010300400	4,00	75	43	10	9.18
12010300410	4,10*	75	43	10	10.66
12010300420	4,20*	75	43	10	10.66
12010300450	4,50	80	47	10	10.66
12010300480	4,80*	86	52	10	13.11
12010300500	5,00	86	52	10	13.11
12010300510	5,10*	86	52	10	16.56
12010300520	5,20*	86	52	10	16.56
12010300550	5,50	93	57	10	16.56
12010300600	6,00	93	57	10	18.69
12010300650	6,50	101	63	10	20.00
12010300680	6,80*	109	69	10	24.75
12010300700	7,00	109	69	10	24.75
12010300750	7,50	109	69	10	27.87
12010300800	8,00	117	75	10	35.08
12010300850	8,50	117	75	10	37.87
12010300900	9,00	125	81	10	43.44
12010300950	9,50	125	81	10	47.54
12010301000	10,00	133	87	10	55.25
12010301050	10,50	133	87	5	55.57
12010301100	11,00	142	94	5	64.43
12010301150	11,50	142	94	5	69.67
12010301200	12,00	151	101	5	79.67
12010301250	12,50	151	101	5	86.56
12010301300	13,00	151	101	5	93.11

** finisaj lucios*

1130

Burghie cilindrice scurte pentru metal DIN 338, tip N, 118°, HSS-TiN rectificate

- *burghie cilindrice scurte pentru metal, conform DIN 338, tip N, unghi de ascutire 118°*
- *material HSS-G, tratate, rectificate, titanizate*
- *taiere pe dreapta, unghiul spirei 20-30°, toleranta diametrului h8*
- *de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, cu σr≤800 N/mm², oteluri pentru tratament termic cu σr≤1100 N/mm², gaurire in fonte si materiale neferoase (aliaje de cupru si bronzuri), mase plastice*
- *recomandabil a se pot folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice*



BOHRCRAFT | 800 N/mm²

DIN 338 | HSS G | TiN | Typ N | 118° | DIN 1412 C SPLIT POINT

	Ø	LT	LU	AMB	
11300100100	1,00	34	12	10	2.79
11300100150	1,50	40	18	10	2.79
11300100200	2,00	49	24	10	2.95
11300100250	2,50	57	30	10	3.11
11300100300	3,00	61	33	10	3.44
11300100320	3,20	65	36	10	3.61
11300100330	3,30	65	36	10	3.61
11300100350	3,50	70	39	10	3.61
11300100400	4,00	75	43	10	4.75
11300100410	4,10	75	43	10	6.56
11300100420	4,20	75	43	10	6.56
11300100450	4,50	80	47	10	6.56
11300100480	4,80	86	52	10	8.20
11300100500	5,00	86	52	10	7.05
11300100520	5,20	86	52	10	7.70
11300100550	5,50	93	57	10	7.70
11300100600	6,00	93	57	10	9.34
11300100650	6,50	101	63	10	10.33
11300100680	6,80	109	69	10	12.30
11300100700	7,00	109	69	10	12.30
11300100750	7,50	109	69	10	15.08
11300100800	8,00	117	75	10	17.54
11300100850	8,50	117	75	10	18.52
11300100900	9,00	125	81	10	20.66
11300100950	9,50	125	81	10	22.46
11300101000	10,00	133	87	10	25.25
11300101020	10,20	133	87	5	30.33
11300101050	10,50	133	87	5	26.72
11300101100	11,00	142	94	5	30.33
11300101150	11,50	142	94	5	32.62
11300101200	12,00	151	101	5	36.56
11300101250	12,50	151	101	5	38.69
11300101300	13,00	151	101	5	43.44

Acoperiri disponibile

	Culoare	Duritate	Grosime strat	Temperatura maxima suportata	Racire	Caracteristici
TiN	galben-auriu	ca. 2500 HV	pana la 2µm	450° – 500° C	recomandat	pentru suprafete cu inalta duritate
TiCN	albastru-gri	ca. 3000 HV	pana la 4µm	350° – 400° C	recomandat	reduce frecarea
TiALN	negru-violet	ca. 3300 HV	pana la 4µm	750° – 800° C	fara	pentru gaurire uscata
VAP	negru	–	–	–	recomandat	reduce posibilitatea de lipire a aschiei

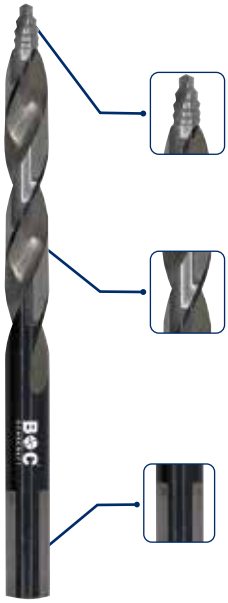
1202 NOU

Burghiu DIN 338 HSS-G, cu varf in trepte

TURBO STEP

PROFI PLUS by BOHRCRAFT

- *perfect pentru masinile de gaurit cu / fara fir*
- *semnificativ mai rapid decat burghiile elicoidale obisnuite*
- *curatarea simplificata a gaurilor existente*
- *ideal pentru gaurirea suruburilor sau a niturilor*
- *aplicatii universale in otel cu rezistenta la rupere < 1.000 N/mm², materiale turnate, aluminiu, materiale plastice (de exemplu, sticla acrilica), lemn de esenta tare si lemn de esenta moale.*



- *Geometrie inovatoare, in trepte de la Ø 2,5 mm*
- *Gauri rotunde precise si curate, fara bavuri*
- *Gaurire curata datorita varfului autocentrant*
- *Avans foarte rapid la gaurire (viteza mare de gaurire, varful in trepete fragmenteaza aschia si scade forta de aschiere)*

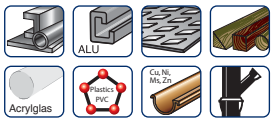
- *Revenire in aburi*

- *Coada triunghiulara pentru dimensiuni de peste Ø 4,0 mm pentru o transmisie optima a puterii*



- *Burghiu HSS standard*
- *Twist Drill HSS standard*





BOC BOHRCRAFT

DIN 338 | HSS G | TURBO STEP | Ø-2,5mm | SPLIT POINT | 3 | 5xD

	Ø mm	L1 mm	L2 mm			
12020300100	1,0	34	12	10	1.4	**16.07**
12020300150	1,5	40	18	10	1.4	**17.21**
12020300200	2,0	49	24	10	2.4	**19.18**
12020300250	2,5	57	30	10	3.4	**29.34**
12020300300	3,0	61	33	10	4.4	**32.46**
12020300320	3,2	65	36	10	4.4	**32.79**
12020300350	3,5	70	39	10	4.4	**33.61**
12020300400	4,0	75	43	10	7.4	**38.69**
12020300420	4,2	75	43	10	7.8	**40.66**
12020300450	4,5	80	47	10	9.8	**41.64**
12020300490	4,9	86	52	10	12.8	**44.75**
12020300500	5,0	86	52	10	13.8	**49.67**
12020300520	5,2	86	52	10	17.8	**51.15**
12020300550	5,5	93	57	10	19.8	**54.26**
12020300600	6,0	93	57	10	21.8	**61.97**
12020300650	6,5	101	63	10	26.1	**67.21**
12020300680	6,8	109	69	10	29.1	**69.34**
12020300700	7,0	109	69	10	30.1	**71.15**
12020300750	7,5	109	69	10	35.5	**79.51**
12020300800	8,0	117	75	10	36.5	**85.74**
12020300850	8,5	117	75	10	41.5	**99.84**
12020300900	9,0	125	81	10	50.5	**104.59**
12020300950	9,5	125	81	10	56.5	**109.34**
12020301000	10,0	133	87	10	64.5	**125.41**
12020301050	10,5	133	87	5	73.0	**130.66**
12020301100	11,0	142	94	5	82.0	**144.59**
12020301150	11,5	142	94	5	88.0	**149.02**
12020301200	12,0	151	101	5	102.0	**167.38**
12020301250	12,5	151	101	5	106.0	**176.56**
12020301300	13,0	151	101	5	117.0	**194.92**

	Ø mm	L1 mm	L2 mm			
12020700100	1,0	34	12	1	1.4	**19.02**
12020700150	1,5	40	18	1	1.4	**20.33**
12020700200	2,0	49	24	1	2.4	**22.13**
12020700250	2,5	57	30	1	3.4	**32.30**
12020700300	3,0	61	33	1	4.4	**35.41**
12020700320	3,2	65	36	1	4.4	**35.74**
12020700350	3,5	70	39	1	4.4	**36.56**
12020700400	4,0	75	43	1	7.4	**41.64**
12020700420	4,2	75	43	1	7.8	**43.61**
12020700450	4,5	80	47	1	9.8	**44.59**
12020700490	4,9	86	52	1	12.8	**47.70**
12020700500	5,0	86	52	1	13.8	**52.62**
12020700520	5,2	86	52	1	17.8	**54.10**
12020700550	5,5	93	57	1	19.8	**57.54**
12020700600	6,0	93	57	1	21.8	**65.25**
12020700650	6,5	101	63	1	26.1	**70.49**
12020700680	6,8	109	69	1	29.1	**72.62**
12020700700	7,0	109	69	1	30.1	**74.43**
12020700750	7,5	109	69	1	35.5	**82.79**
12020700800	8,0	117	75	1	36.5	**89.02**
12020700850	8,5	117	75	1	41.5	**103.11**
12020700900	9,0	125	81	1	50.5	**107.87**
12020700950	9,5	125	81	1	56.5	**112.62**
12020701000	10,0	133	87	1	64.5	**129.02**
12020701050	10,5	133	87	1	73.0	**134.10**
12020701100	11,0	142	94	1	82.0	**148.20**
12020701150	11,5	142	94	1	88.0	**152.62**
12020701200	12,0	151	101	1	102.0	**170.98**
12020701250	12,5	151	101	1	106.0	**180.16**
12020701300	13,0	151	101	1	117.0	**198.52**

KG 10 NOU

Set burghie Turbo Steps 19 piese Ø 1,0 - 10,0 mm x 0,5 mm

- *perfect pentru masinile de gaurit cu / fara fir*
- *semnificativ mai rapid decat burghiile elicoidale obisnuite*
- *curatarea simplificata a gaurilor existente*
- *ideal pentru gaurirea suruburilor sau a niturilor*



12021330019	Ø1,0-10,0 mm x 0,5 mm	730	**1174.92**

KG 13 NOU

Set burghie Turbo Steps 25 piese Ø 1,0 - 13,0 mm x 0,5 mm

- *perfect pentru masinile de gaurit cu / fara fir*
- *semnificativ mai rapid decat burghiile elicoidale obisnuite*
- *curatarea simplificata a gaurilor existente*
- *ideal pentru gaurirea suruburilor sau a niturilor*



12021330025	Ø1,0-13,0 mm x 0,5 mm	730	**2077.54**

MG 5 NOU

Set burghie Turbo Steps 5 piese Ø 4 - 5 - 6 - 8- 10 mm

- *perfect pentru masinile de gaurit cu / fara fir*
- *semnificativ mai rapid decat burghiile elicoidale obisnuite*
- *curatarea simplificata a gaurilor existente*
- *ideal pentru gaurirea suruburilor sau a niturilor*



12021330005	Ø 4 - 5 - 6 - 8 - 10 mm	730	**374.26**

1204 NOU

Burghiu DIN 1897 HSS-G, cu varf in trepte

· *perfect pentru utilizare cu masini de gaurit fara fir/cu fir*
· *semnificativ mai rapid decat burghiile elicoidale normale*
· *simplifica forarea gaurilor deja existente*
· *potrivit in special pentru otel < 1.000 N/mm² (31 HRC), materiale turnate, aluminiu, materiale plastice, lemn de esenta tare si moale.*



BOC BOHRCRAFT · DIN 1897 · HSS G · TURBO STEP · SPLIT POINT · 3 · 3xD

	Ø d1	L1	L2	Ø d2	L3	
12040301350	13,5	107	61	61	61	302.30
12040301400	14,0	107	61	61	61	317.87
12040301450	14,5	111	65	65	65	331.80
12040301500	15,0	111	65	65	65	348.52
12040301550	15,5	115	69	69	69	359.67
12040301600	16,0	115	69	69	69	371.80

1203 NOU

Burghiu DIN 338 HSS-E, cu varf in trepte

· *perfect pentru utilizare cu masini de gaurit fara fir/cu fir*
· *semnificativ mai rapid decat burghiile elicoidale normale*
· *simplifica forarea gaurilor deja existente*
· *potrivit in special pentru otel si otel inoxidabil de pana la 1.200 N/mm² (38 HRC), materiale turnate, aluminiu, materiale plastice (de exemplu, sticla acrilica), lemn de esenta tare si moale*



BOC BOHRCRAFT · AKKU · HSS-E Co5 · TURBO STEP INOX · DIN 338 · VA INOX · Ø>2,5mm · SPLIT POINT · 3 · 5xD

	Ø d	L1	L2	Amb	
12030300100	1,0	34	12	10	31.64
12030300150	1,5	40	18	10	33.61
12030300200	2,0	49	24	10	35.90
12030300250	2,5	57	30	10	37.70
12030300300	3,0	61	33	10	40.33
12030300320	3,2	65	36	10	45.41
12030300330	3,3	65	36	10	45.57
12030300350	3,5	70	39	10	46.72
12030300400	4,0	75	43	10	48.52
12030300420	4,2	75	43	10	59.51
12030300450	4,5	80	47	10	61.48
12030300490	4,9	86	52	10	63.44
12030300500	5,0	86	52	10	63.44
12030300520	5,2	86	52	10	75.41
12030300550	5,5	93	57	10	75.41
12030300600	6,0	93	57	10	77.21
12030300650	6,5	101	63	10	87.21
12030300680	6,8	109	69	10	94.10
12030300700	7,0	109	69	10	95.90
12030300750	7,5	109	69	10	101.97
12030300800	8,0	117	75	10	118.85
12030300850	8,5	117	75	10	134.26
12030300900	9,0	125	81	10	154.43
12030300950	9,5	125	81	10	172.30

	Ø d	L1	L2	Amb	
12030301000	10,0	133	87	10	177.05
12030301020	10,2	133	87	5	213.93
12030301050	10,5	133	87	5	217.87
12030301100	11,0	142	94	5	227.87
12030301150	11,5	142	94	5	237.70
12030301200	12,0	151	101	5	247.70
12030301250	12,5	151	101	5	258.20
12030301300	13,0	151	101	5	270.33

1203 NOU

Burghiu DIN 338 HSS-E, cu varf in trepte ambalare individuala

· *perfect pentru utilizare cu masini de gaurit fara fir/cu fir*
· *semnificativ mai rapid decat burghiile elicoidale normale*
· *simplifica forarea gaurilor deja existente*
· *potrivit in special pentru otel si otel inoxidabil de pana la 1.200 N/mm² (38 HRC), materiale turnate, aluminiu, materiale plastice (de exemplu, sticla acrilica), lemn de esenta tare si moale*



BOC BOHRCRAFT · AKKU · HSS-E Co5 · TURBO STEP INOX · DIN 338 · VA INOX · Ø>2,5mm · SPLIT POINT · 3 · 5xD

	Ø d	L1	L2	Amb	
12030700100	1,0	34	12	1	34.59
12030700150	1,5	40	18	1	36.56
12030700200	2,0	49	24	1	38.85
12030700250	2,5	57	30	1	40.66
12030700300	3,0	61	33	1	43.44
12030700320	3,2	65	36	1	48.36
12030700330	3,3	65	36	1	48.52
12030700350	3,5	70	39	1	49.67
12030700400	4,0	75	43	1	51.48
12030700420	4,2	75	43	1	62.46
12030700450	4,5	80	47	1	64.43
12030700490	4,9	86	52	1	66.39
12030700500	5,0	86	52	1	66.39
12030700520	5,2	86	52	1	78.36
12030700550	5,5	93	57	1	78.69
12030700600	6,0	93	57	1	80.49
12030700650	6,5	101	63	1	90.49
12030700680	6,8	109	69	1	97.38
12030700700	7,0	109	69	1	99.18
12030700750	7,5	109	69	1	105.25
12030700800	8,0	117	75	1	122.13
12030700850	8,5	117	75	1	137.54
12030700900	9,0	125	81	1	157.70
12030700950	9,5	125	81	1	175.57
12030701000	10,0	133	87	1	180.66
12030701020	10,2	133	87	1	217.54
12030701050	10,5	133	87	1	221.48
12030701100	11,0	142	94	1	231.48
12030701150	11,5	142	94	1	241.31
12030701200	12,0	151	101	1	251.31
12030701250	12,5	151	101	1	261.80
12030701300	13,0	151	101	1	273.93

KE 10 T-STEP INOX

Set burghie Turbo Steps HSS-E 19 piese Ø 1,0 - 10,0 mm x 0,5 mm

• *perfect pentru masinile de gaurit cu / fara fir*
• *semnificativ mai rapid decat burghiile elicoidale obisnuite*
• *curatarea simplificata a gaurilor existente*
• *ideal pentru gaurirea suruburilor sau a niturilor*



12031330019	Ø1,0-10,0 mm x 0,5 mm	730	1622.62

KE 13 T-STEP INOX

Set burghie Turbo Steps HSS-E 25 piese Ø 1,0 - 13,0 mm x 0,5 mm

• *perfect pentru masinile de gaurit cu / fara fir*
• *semnificativ mai rapid decat burghiile elicoidale obisnuite*
• *curatarea simplificata a gaurilor existente*
• *ideal pentru gaurirea suruburilor sau a niturilor*



12031330025	Ø1,0-13,0 mm x 0,5 mm	1930	3106.72

ME 5 T-STEP INOX

Set burghie Turbo Steps HSS-E 5 piese Ø 4 - 5 - 6 - 8- 10 mm

• *perfect pentru masinile de gaurit cu / fara fir*
• *semnificativ mai rapid decat burghiile elicoidale obisnuite*
• *curatarea simplificata a gaurilor existente*
• *ideal pentru gaurirea suruburilor sau a niturilor*



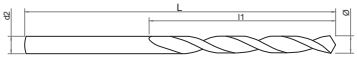
12031330005	Ø 4 - 5 - 6 - 8 - 10 mm	730	582.30

1145411

Burghie cilindrice scurte pentru metal, conform DIN 338, tip N, HSS, "Furius" tratament special

- *burghie cilindrice scurte pentru metal, conform DIN 338, tip N, unghi de ascutire 135°*
- *material HSS-G rectificate, tratate termic si tratament special de suprafata „FUSIO" cu Ti_2CN in stratul superficial pe 2 - 4 µm ridicand duritatea superficiala pana la 3200 HV*
- *taiere pe dreapta*
- *unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate cu σr≤700 N/mm² si in oteluri pentru tratament termic cu σr≤950 N/mm², gaurire in fonte si materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)*
- *recomandabil a se folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice*



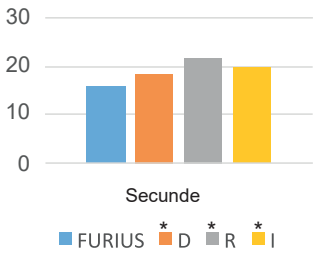


TIVOLY | DIN 338 | 3xd | 135° | N TYPE | h8 | HSS | FUSIO COATED

	Ø	d2	L	l1	
11454110050	0,5	0,5	22	6	18.70
11454110060	0,6	0,6	24	7	18.99
11454110070	0,7	0,7	28	9	17.96
11454110080	0,8	0,8	30	10	16.64
11454110090	0,9	0,9	32	11	15.66
11454110100	1,0	1	34	12	14.11
11454110110	1,1	1,1	36	14	12.80
11454110120	1,2	1,2	38	16	15.09
11454110130	1,3	1,3	38	16	12.51
11454110140	1,4	1,4	40	18	12.80
11454110150	1,5	1,5	40	18	11.07
11454110160	1,6	1,6	43	20	11.36
11454110170	1,7	1,7	43	20	12.80
11454110180	1,8	1,8	46	22	10.84
11454110190	1,9	1,9	46	22	10.61
11454110200	2,0	2	49	24	9.12
11454110210	2,1	2,1	49	24	10.61
11454110220	2,2	2,2	53	27	10.61
11454110230	2,3	2,3	53	27	10.61
11454110240	2,4	2,4	57	30	11.76
11454110250	2,5	2,5	57	30	11.48
11454110260	2,6	2,6	57	30	11.59
11454110270	2,7	2,7	61	33	16.81
11454110280	2,8	2,8	61	33	14.34
11454110290	2,9	2,9	61	33	11.76
11454110300	3,0	3	61	33	11.76
11454110310	3,1	3,1	65	36	12.97
11454110320	3,2	3,2	65	36	12.74
11454110325	3,25	3,25	65	36	14.52
11454110330	3,3	3,3	65	36	13.71
11454110340	3,4	3,4	70	39	14.98
11454110350	3,5	3,5	70	39	13.02
11454110360	3,6	3,6	70	39	16.70
11454110370	3,7	3,7	70	39	13.77
11454110380	3,8	3,8	75	43	15.09
11454110390	3,9	3,9	75	43	16.24
11454110400	4,0	4	75	43	14.52
11454110410	4,1	4,1	75	43	15.66
11454110420	4,2	4,2	75	43	15.66
11454110425	4,25	4,25	75	43	17.16
11454110430	4,3	4,3	80	47	16.58
11454110440	4,4	4,4	80	47	19.39
11454110450	4,5	4,5	80	47	15.84
11454110460	4,6	4,6	80	47	20.71
11454110470	4,7	4,7	80	47	18.93
11454110480	4,8	4,8	86	52	17.21
11454110490	4,9	4,9	86	52	17.39
11454110500	5,0	5	86	52	16.87
11454110510	5,1	5,1	86	52	19.62
11454110520	5,2	5,2	86	52	19.62
11454110525	5,25	5,25	86	52	24.84
11454110530	5,3	5,3	86	52	19.62
11454110540	5,4	5,4	93	57	21.63

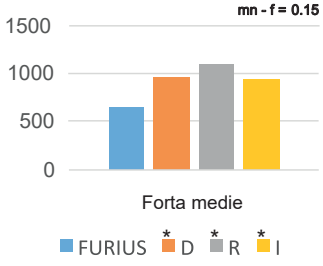
TEST DE VITEZA

Test viteza realizat pe masini electrice portative:
D=6mm - prof 10mm - A37 - 30KN - 1100 R/pm



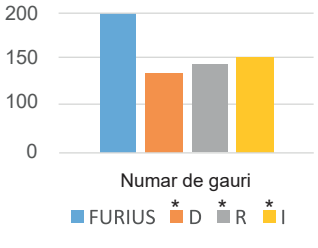
TEST DE EFORT

Test forta de aschiere efectuat pe CNC:
D=6mm - prof 18mm - 25CrMo4 - Vc = 28mm/mn - f = 0.15



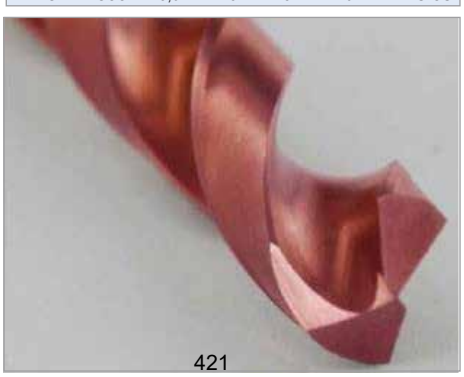
TEST DE DURABILITATE

Test de durabilitate realizat pe CNC:
D=6mm - prof 18mm - 25CrMo4 - Vc = 28mm/mn - f = 0.15



*Produs de nivel calitativ echivalent.

	Ø	d2	L	l1	
11454110550	5,5	5,5	93	57	21.63
11454110560	5,6	5,6	93	57	25.13
11454110570	5,7	c 5,7	93	57	23.41
11454110580	5,8	5,8	93	57	22.72
11454110590	5,9	5,9	93	57	23.41
11454110600	6,0	6	93	57	22.72
11454110610	6,1	6,1	101	63	27.66
11454110620	6,2	6,2	101	63	27.66
11454110630	6,3	6,3	101	63	28.06
11454110640	6,4	6,4	101	63	28.63
11454110650	6,5	6,5	101	63	28.23
11454110660	6,6	6,6	101	63	29.20
11454110670	6,7	6,7	101	63	29.78
11454110675	6,75	6,75	109	69	35.23
11454110680	6,8	6,8	109	69	35.23
11454110690	6,9	6,9	109	69	40.62
11454110700	7,0	7	109	69	32.70
11454110710	7,1	7,1	109	69	35.23
11454110720	7,2	7,2	109	69	35.80
11454110730	7,3	7,3	109	69	35.80
11454110740	7,4	7,4	109	69	41.60
11454110750	7,5	7,5	109	69	34.02
11454110760	7,6	7,6	117	69	39.07
11454110770	7,7	7,7	117	75	42.86
11454110780	7,8	7,8	117	75	39.48
11454110790	7,9	7,9	117	75	39.93
11454110800	8,0	8	117	75	39.93
11454110810	8,1	8,1	117	75	43.84
11454110820	8,2	8,2	117	75	44.93
11454110830	8,3	8,3	117	75	44.58
11454110840	8,4	8,4	117	75	46.13
11454110850	8,5	8,5	117	75	42.23
11454110860	8,6	8,6	125	81	51.93
11454110870	8,7	8,7	125	81	51.93
11454110880	8,8	8,8	125	81	51.93
11454110890	8,9	8,9	125	81	52.96
11454110900	9,0	9	125	81	48.20
11454110910	9,1	9,1	125	81	52.96
11454110920	9,2	9,2	125	81	52.96
11454110930	9,3	9,3	125	81	55.48
11454110940	9,4	9,4	125	81	55.48
11454110950	9,5	9,5	125	81	51.58
11454110960	9,6	9,6	133	87	57.38
11454110970	9,7	9,7	133	87	57.38
11454110980	9,8	9,8	133	87	59.96
11454110990	9,9	9,9	133	87	59.96
11454111000	10,0	10	133	87	55.54
11454111010	10,1	10,1	133	87	74.88
11454111020	10,2	10,2	133	87	72.47
11454111025	10,25	10,25	133	87	91.40
11454111030	10,3	10,3	133	87	87.10
11454111040	10,4	10,4	133	87	87.10
11454111050	10,5	10,5	133	87	73.73
11454111100	11,0	11	142	94	91.86
11454111150	11,5	11,5	142	94	97.37
11454111200	12,0	12	151	101	105.06
11454111250	12,5	12,5	151	101	114.30
11454111300	13,0	13	151	101	118.08

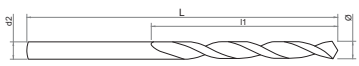


1145501

Burghie cilindrice scurte pentru metal DIN 338 HSS-E (Co 5%) tip N, tratament special "Gold"

- *burghie cilindrice scurte pentru metal DIN 338 HSS-E (Co 5%) tip N, tratament special "Gold"*
- *material HSS-E (Co 5%), rectificate, tratate termic si tratament special de suprafata "Gold" taiere pe dreapta*
- *unghi de ascutire 135°, unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, in oteluri pentru tratament termic si ideal pentru gauriri in otel inoxidabil austenitic cu σr≤950 N/mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)*
- *tratamentul special de suprafata "Gold" faciliteaza disiparea caldurii, alunecarea aschiilor si implicit o viteza de taiere mai mare si o durabilitate sporita la utilizari dificile.*
- *recomandabil a se folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice*





TIVOLY | N TYPE | h8 | HSS E5 | GOLD TREATED | DIN 338 | 3xd | 135°

	Ø	d2	L	l1	
11455010100	1.00	1.00	34	12	8.15
11455010110	1.10	1.10	36	14	7.63
11455010120	1.20	1.20	38	16	7.98
11455010125	1.25	1.25	38	16	8.78
11455010130	1.30	1.30	38	16	7.63
11455010140	1.40	1.40	40	18	7.63
11455010150	1.50	1.50	40	18	7.00
11455010160	1.60	1.60	43	20	8.66
11455010170	1.70	1.70	43	20	8.66
11455010175	1.75	1.75	46	22	9.07
11455010180	1.80	1.80	46	22	8.78
11455010190	1.90	1.90	46	22	8.78
11455010200	2.00	2.00	49	24	7.63
11455010210	2.10	2.10	49	24	9.58
11455010220	2.20	2.20	53	27	9.58
11455010225	2.25	2.25	53	27	9.30
11455010230	2.30	2.30	53	27	9.87
11455010240	2.40	2.40	57	30	9.87
11455010250	2.50	2.50	57	30	8.61
11455010260	2.60	2.60	57	30	9.30
11455010270	2.70	2.70	61	33	9.30
11455010275	2.75	2.75	61	33	9.30
11455010280	2.80	2.80	61	33	9.47
11455010290	2.90	2.90	61	33	9.47
11455010300	3.00	3.00	61	33	7.75
11455010310	3.10	3.10	65	36	9.98
11455010320	3.20	3.20	65	36	9.58
11455010325	3.25	3.25	65	36	9.58
11455010330	3.30	3.30	65	36	9.93
11455010340	3.40	3.40	70	39	10.16

NOILE BURGHIE HSS FURIUS

NOVATIE SI PERFORMANTA

Cu o experienta de peste 90 de ani in domeniul fabricatiei de burghie pentru metal, Tivoly propune cea mai noua invovatie in domeniul gauririi in oteluri de inalta rezistenta.



A EXPERIENTA TIVOLY

Datorita experientei sale vaste in domeniu productiei de burghie, Tivoly ofera solutii adaptate pentru cerintele utilizatorului.

D ACOPERIRE PVD «FUSIO»

- Realizata cu cea mai recenta tehnologie PVD, acoperirea FUSIO, special dezvoltata pentru burghiele Furius, garanteaza:
- Confort
- Rapiditate
- Stabilitate
- Rezistenta

Datorita structurii multi-strat si al compozitiei speciale, noua acoperire asigura:

- Durabilitate superioara
- Duritate ridicata
- Coeficient redus de frecare

Reduce uzura pe muchiile de taiere in timpul gauririi otelurilor rezistente (<950 N/mm2). Perfect pentru aplicatii de gaurire cu intreruperi (cu masini electrice portative), contribuie la performanta exceptionala a burghiului.

B NOTA TIVOLY

Gaurirea otelurilor rezistente este cea mai frecventa operatiune in lucrari de mecanica, lacatuserie sau mentenanta.

- La utilizarea cu masini cu comanda numerica, asigura o durata de viata foarte lunga si o productivitate crescuta.
- La utilizarea cu masini electrice portative, viteza de gaurire si forta axiala reduse, asigura munca de calitate si previne aparitia afectiunilor musculo-scheletice pentru utilizatori (AMS).

C INOVATIE TIVOLY

Echipa de cercetare si dezvoltare Tivoly a proiecat noul burghiu Tivoly printr-o combinatie exclusiva a unui design geometric si al acoperirii PDV noi, pentru un nivel exceptional de performanta.

E CONDITII DE GAURIRE

Pe fiecare ambalaj Tivoly sunt indicate conditiile de gaurire in functie de diametrul burghiului.



F MARCAJ LASER

Inscriptionare laser cu caractere mari pentru citirea usoara a principalelor informatii despre produs.

Cu intrebuintarea la gaurire a burghielor Furius, utilizatorul contribuie la protejarea mediului inconjurator:

- *Reducerea consumului de energie electrica.*
- *Cresterea duratei de utilizare a burghielor*
- *Previne suprasolicitarea masinilor electrice si acumulatorilor*
- *Produs cu utilizare facila, previne aparitia afectiunilor utilizatorului si creste productivitatea muncii.*

FABRICAT N FRANTA
ECO CONCEPT

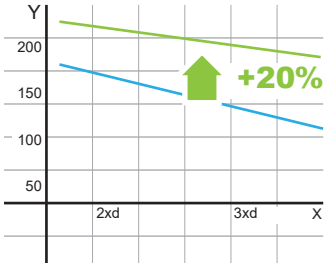


DURABLE. ENGAGEMENT DEVELOPPEMENT

TEST DURATA VIATA

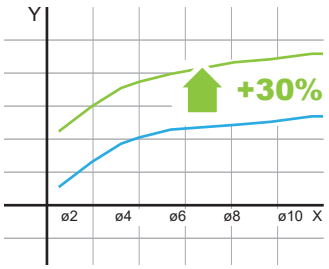
Durata de viata cu lubrefiere:
d=6mm - 304L - Vc = 12m/mn - f = 0.10

Ascutire 4 fete plan
Ascutire varf de centrare
x: adancime gaurire
y: nr. de gauri



TEST DE PRODUCTIVITATE

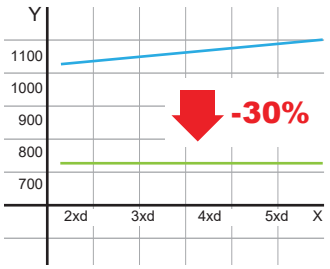
Ascutire 4 fete plan
Ascutire varf de centrare
x: diametru gaura
y: avans



TEST DE EFORT

Masurarea efortului cu lubrefiere:
d=6mm - 304L - Vc = 12m/mn - f = 0.10

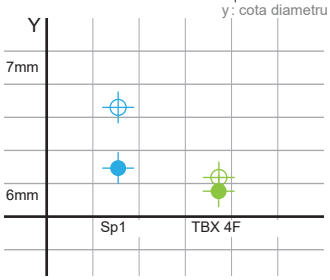
Ascutire 4 fete plan
Ascutire varf de centrare
x: adancime gaurire
y: efort mediu Fz



TEST COTA DIAMETRU

Abatere de la geometria gaurii:
d=6mm - 304L - Vc = 8m/mn - f = 0.1

Ascutire 4 fete plan
Ascutire varf de centrare
ø la intrare
ø la iesire
y: cota diametru



Ascutire 4 fete: medie constanta fata de NEW CUTINOX 4F
Ascutire varf centrare (Sp1): medie constanta fata de produsul concurent

	Ø	d2	L	l1	
11455010350	3.50	3.50	70	39	9.58
11455010360	3.60	3.60	70	39	10.84
11455010370	3.70	3.70	70	39	10.84
11455010375	3.75	3.75	70	39	10.96
11455010380	3.80	3.80	75	43	10.79
11455010390	3.90	3.90	75	43	10.79
11455010400	4.00	4.00	75	43	9.93
11455010410	4.10	4.10	75	43	13.54
11455010420	4.20	4.20	75	43	11.88
11455010425	4.25	4.25	75	43	11.07
11455010430	4.30	4.30	80	47	12.68
11455010440	4.40	4.40	80	47	12.68
11455010450	4.50	4.50	80	47	11.07
11455010460	4.60	4.60	80	47	14.11
11455010470	4.70	4.70	80	47	14.11
11455010475	4.75	4.75	80	47	13.14
11455010480	4.80	4.80	86	52	14.23
11455010490	4.90	4.90	86	52	14.23
11455010500	5.00	5	86	52	12.45
11455010510	5.10	5,1	86	52	14.00
11455010520	5.20	5,2	86	52	15.32
11455010525	5.25	5,25	86	52	14.34
11455010530	5.30	5,3	86	52	15.89
11455010540	5.40	5,4	93	57	15.89
11455010550	5.50	5,5	93	57	15.55
11455010560	5.60	5,6	93	57	19.34

	Ø	d2	L	l1	
11455010570	5.70	5,7	93	57	19.34
11455010575	5.75	5,75	93	57	16.81
11455010580	5.80	5,8	93	57	18.70
11455010590	5.90	5,9	93	57	18.70
11455010600	6.00	6	93	57	16.75
11455010610	6.10	6,1	101	63	23.47
11455010620	6.20	6,2	101	63	23.47
11455010625	6.25	6,25	101	63	19.91
11455010630	6.30	6,3	101	63	23.07
11455010640	6.40	6,4	101	63	23.07
11455010650	6.50	6,5	101	63	20.66
11455010660	6.60	6,6	101	63	24.61
11455010670	6.70	6,7	101	63	24.61
11455010675	6.75	6,75	109	69	23.07
11455010680	6.80	6,8	109	69	26.34
11455010690	6.90	6,9	109	69	26.34
11455010700	7.00	7	109	69	21.86
11455010710	7.10	7,1	109	69	31.10
11455010720	7.20	7,2	109	69	31.10
11455010725	7.25	7,25	109	69	25.48
11455010730	7.30	7,3	109	69	28.75
11455010740	7.40	7,4	109	69	28.75
11455010750	7.50	7,5	109	69	24.61
11455010760	7.60	7,6	117	69	35.11
11455010770	7.70	7,7	117	75	34.14
11455010775	7.75	7,75	117	75	29.38

	Ø	d2	L	l1	
11455010780	7.80	7,8	117	75	33.22
11455010790	7.90	7,9	117	75	33.22
11455010800	8.00	8	117	75	27.83
11455010810	8.10	8,1	117	75	38.39
11455010820	8.20	8,2	117	75	38.39
11455010825	8.25	8,25	117	75	31.56
11455010830	8.30	8,3	117	75	39.02
11455010840	8.40	8,4	117	75	39.02
11455010850	8.50	8,5	117	75	29.55
11455010860	8.60	8,6	125	81	41.71
11455010870	8.70	8,7	125	81	41.71
11455010875	8.75	8,75	125	81	35.69
11455010880	8.80	8,8	125	81	41.43
11455010890	8.90	8,9	125	81	41.43
11455010900	9.00	9	125	81	35.98
11455010910	9.10	9,1	125	81	48.83
11455010920	9.20	9,2	125	81	48.83
11455010925	9.25	9,25	125	81	40.51
11455010930	9.30	9,3	125	81	47.11
11455010940	9.40	9,4	125	81	47.11
11455010950	9.50	9,5	125	81	37.70
11455010960	9.60	9,6	133	87	56.57
11455010970	9.70	9,7	133	87	56.57
11455010980	9.80	9,8	133	87	57.43
11455010990	9.90	9,9	133	87	57.49
11455011000	10.00	10	133	87	40.85

	Ø	d2	L	l1	
11455011010	10.10	10,1	133	87	**62.43**
11455011020	10.20	10,2	133	87	**62.43**
11455011025	10.25	10,25	133	87	**93.93**
11455011030	10.30	10,3	133	87	**65.01**
11455011040	10.40	10,4	133	87	**65.01**
11455011050	10.50	10,5	133	87	**53.82**
11455011100	11.00	11	142	94	**62.20**
11455011150	11.50	11,5	142	94	**72.07**
11455011200	12.00	12	151	101	**73.90**
11455011250	12.50	12,5	151	101	**83.71**
11455011300	13.00	13	151	101	**93.75**
11455011350	13.50	13,5	160	108	**105.17**
11455011400	14.00	14,0	160	108	**111.66**
11455011500	15.00	15,0	168	114	**156.30**
11455011600	16.00	16,0	178	120	**188.60**

1145561

Burghie cilindrice scurte pentru metal DIN 338 HSS-E (Co 5%) tip N, cu coada redusa tratament special "Gold"

• burghie cilindrice scurte pentru metal DIN 338 HSS-E (Co 5%) tip N, tratament special "Gold", cu coada redusa
• material HSS-E (Co 5%), rectificate, tratate termic si tratament special de suprafata "Gold" taiere pe dreapta
• unghi de ascutire 135°, unghiul spirei 20-30°, toleranta diametrului h8
• de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida
• destinate pentru gaurire in oteluri ne aliate si slab aliate, in oteluri pentru tratament termic si ideal pentru gauriri in otel inoxidabil austenitic cu σr≤950 N/mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)
• tratamentul special de suprafata "Gold" faciliteaza disiparea caldurii, alunecarea aschiilor si implicit o viteza de taiere mai mare si o durabilitate sporita la utilizari dificile.
• recomandabil a se folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice



TIVOLY



HSS E5 | GOLD TREATED | DIN 338 | 3xd | 135°

	Ø	d2	L	l1	
11455611400	14,00	12	160	108	**210.92**
11455611500	15,00	12	169	114	**234.21**
11455611600	16,00	12	178	120	**257.57**
11455611700	17,00	12	184	125	**307.37**
11455611800	18,00	12	191	130	**336.86**
11455611900	19,00	12	198	135	**366.07**
11455612000	20,00	12	205	140	**390.28**

11455070015

Set burghie DIN 338, rectificate, HSS-Co 5% 1-10 x 0,5 mm / 19 piese

• material: HSS-Co 5%; in conformitate cu DIN 338



TIVOLY

19 PCS | HSS E5 | GOLD TREATED | DIN 338 | 135°

11455070015	19 piese 1,0-10,0 mm x 0,5 mm	**394.48**

11455070017

Set burghie DIN 338, rectificate, HSS-Co 5% 1-13 mm x 0,5 mm / 25 piese

• material: HSS-Co 5%
• in conformitate cu DIN 338

TIVOLY



135°

25 PCS | HSS E5 | GOLD TREATED | DIN 338

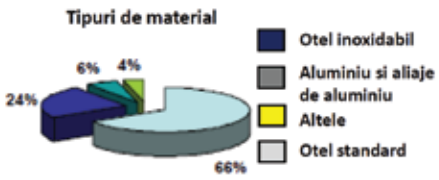
11455070017	25 piese 1,0-13,0 mm x 0,5 mm	**827.85**

Burghiu Cobalt TBX - 4 FACET POINT Inovatiile in domeniul gauririi - un proces continuu

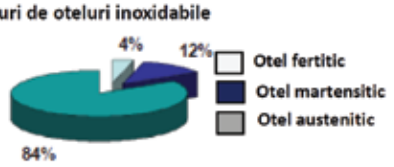
Gauririle in otel inoxidabil pot ridica o serie de provocari pentru burghiu:
• Rezistenta si Flexibilitate: este necesara o forta/viteza de taiere mai mare pentru a produce aschii mai mici. Muchiile taietoare sunt astfel expuse la forte abrazive mai mari.
• Conductivitate termica scazuta: caldura se disipa incet de pe piesa prelucrata si de pe muchii taietoare. Burghiul se supraincalzeste, ceea ce determina o uzura mai rapida.
Obiectivul major al specialistilor TIVOLY a fost sa dezvolte un burghiu care sa preintimpine aceste obstacole in utilizare, avand in vedere:
• Durata de viata;
• Gaurire usoara;
• Productivitate;
• Acuratete.

Burghiul TBX 4F - fabricat pentru gauriri in otel inoxidabil austenitic (304L & 316L)

Otelul inoxidabil reprezinta 24 % din aplicatiile de gaurire in otel



Otelul inoxidabil austenitic reprezinta 84%

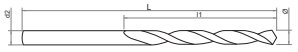


1145611

Burghie cilindrice scurte pentru metal DIN 338 HSCOB tip N, tratament special TBX 4F "Blade"

• burghie cilindrice scurte pentru metal, conform DIN 338, tip N, TBX 4F, HSS-E (Co5%)
• material HSS-E (Co 5%), rectificate, tratate termic si tratament special de suprafata "Blade coated" taiere pe dreapta
• unghi de ascutire 135°, unghiul spirei 20-30°
• toleranta diametrului h8
• de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida
• destinate pentru gaurire in oteluri ne aliate si slab aliate, in oteluri pentru tratament termic si ideal pentru gauriri in otel inoxidabil austenitic (304L & 316L) cu σr≤950 N/mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)
• tratamentul special de suprafata "Blade coated" faciliteaza disiparea caldurii, alunecarea aschiilor si implicit o viteza de taiere mai mare si o durabilitate sporita la utilizari dificile.
• recomandabil a se folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice





TIVOLY

135° | NFO TYPE | h8

HSS E5 | BLADE COATED | DIN 338 | 3xd

	Ø	d2	L	l1	
11456110100	1,0	1,0	34	12	**14.75**
11456110110	1,1	1,1	36	14	**21.75**
11456110120	1,2	1,2	38	16	**25.48**
11456110130	1,3	1,3	38	16	**21.06**
11456110140	1,4	1,4	40	18	**21.75**
11456110150	1,5	1,5	40	18	**15.32**
11456110160	1,6	1,6	43	20	**19.11**
11456110170	1,7	1,7	43	20	**21.75**
11456110180	1,8	1,8	46	22	**18.02**
11456110190	1,9	1,9	46	22	**17.79**
11456110200	2,0	2	49	24	**15.43**
11456110210	2,1	2,1	49	24	**17.79**
11456110220	2,2	2,2	53	27	**17.79**
11456110230	2,3	2,3	53	27	**17.79**
11456110240	2,4	2,4	57	30	**19.97**
11456110250	2,5	2,5	57	30	**19.45**
11456110260	2,6	2,6	57	30	**19.85**
11456110270	2,7	2,7	61	33	**19.85**
11456110280	2,8	2,8	61	33	**20.14**
11456110290	2,9	2,9	61	33	**26.51**
11456110300	3,0	3	61	33	**17.16**
11456110310	3,1	3,1	65	36	**21.29**
11456110320	3,2	3,2	65	36	**19.68**
11456110330	3,3	3,3	65	36	**22.43**
11456110340	3,4	3,4	70	39	**22.43**
11456110350	3,5	3,5	70	39	**20.66**
11456110360	3,6	3,6	70	39	**28.11**
11456110370	3,7	3,7	70	39	**28.40**
11456110380	3,8	3,8	75	43	**28.63**
11456110390	3,9	3,9	75	43	**29.61**
11456110400	4,0	4	75	43	**22.55**
11456110410	4,1	4,1	75	43	**25.36**
11456110420	4,2	4,2	75	43	**25.36**
11456110430	4,3	4,3	80	47	**27.89**
11456110440	4,4	4,4	80	47	**33.34**
11456110450	4,5	4,5	80	47	**26.05**
11456110460	4,6	4,6	80	47	**33.85**
11456110470	4,7	4,7	80	47	**29.43**
11456110480	4,8	4,8	86	52	**29.43**
11456110490	4,9	4,9	86	52	**29.95**
11456110500	5,0	5	86	52	**27.54**
11456110510	5,1	5,1	86	52	**31.56**
11456110520	5,2	5,2	86	52	**31.56**
11456110530	5,3	5,3	86	52	**34.94**
11456110540	5,4	5,4	93	57	**46.13**
11456110550	5,5	5,5	93	57	**36.78**

	Ø	d2	L	l1	
11456110560	5,6	5,6	93	57	41.60
11456110570	5,7	5,7	93	57	43.26
11456110580	5,8	5,8	93	57	39.19
11456110590	5,9	5,9	93	57	44.24
11456110600	6,0	6	93	57	37.93
11456110610	6,1	6,1	101	63	42.23
11456110620	6,2	6,2	101	63	42.23
11456110630	6,3	6,3	101	63	42.86
11456110640	6,4	6,4	101	63	48.66
11456110650	6,5	6,5	101	63	43.49
11456110660	6,6	6,6	101	63	56.57
11456110670	6,7	6,7	101	63	46.42
11456110680	6,8	6,8	109	69	58.18
11456110690	6,9	6,9	109	69	56.75
11456110700	7,0	7	109	69	52.39
11456110710	7,1	7,1	109	69	57.61
11456110720	7,2	7,2	109	69	59.33
11456110730	7,3	7,3	109	69	59.33
11456110740	7,4	7,4	109	69	59.90
11456110750	7,5	7,5	109	69	54.97
11456110760	7,6	7,6	117	75	65.01
11456110770	7,7	7,7	117	75	70.29
11456110780	7,8	7,8	117	75	65.81
11456110790	7,9	7,9	117	75	67.53
11456110800	8,0	8	117	75	62.71
11456110810	8,1	8,1	117	75	68.80
11456110820	8,2	8,2	117	75	70.86
11456110830	8,3	8,3	117	75	70.11
11456110840	8,4	8,4	117	75	72.98
11456110850	8,5	8,5	117	75	66.04
11456110860	8,6	8,6	125	81	84.69
11456110870	8,7	8,7	125	81	84.69
11456110880	8,8	8,8	125	81	84.69
11456110890	8,9	8,9	125	81	86.70
11456110900	9,0	9	125	81	67.53
11456110910	9,1	9,1	125	81	86.70
11456110920	9,2	9,2	125	81	86.70
11456110930	9,3	9,3	125	81	91.57
11456110940	9,4	9,4	125	81	91.57
11456110950	9,5	9,5	125	81	89.68
11456110960	9,6	9,6	133	87	95.99
11456110970	9,7	9,7	133	87	95.99
11456110980	9,8	9,8	133	87	100.58
11456110990	9,9	9,9	133	87	100.58
11456111000	10,0	10	133	87	96.39
11456111020	10,2	10,2	133	87	116.76
11456111050	10,5	10,5	133	87	103.85
11456111100	11,0	11	142	94	114.47
11456111150	11,5	11,5	142	94	122.90
11456111200	12,0	12	151	101	132.31
11456111250	12,5	12,5	151	101	142.52
11456111300	13,0	13	151	101	146.54
11456111400	14,0	14	160	108	279.48
11456111500	15,0	15	169	114	301.80
11456111600	16,0	16	178	120	361.76
11456111700	17,0	17	184	125	405.77
11456111800	18,0	18	191	130	487.93
11456111900	19,0	19	298	135	538.14
11456112000	20,0	20	205	140	677.05

11456170017 NOU

Set burghie DIN 338 HSCOB TBX 4F "Blade" 1-13 mm x 0,5 mm / 25 piese



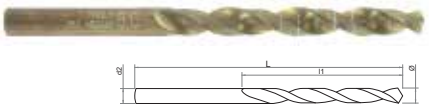
11456170017	25 piese 1,0-13,0 mm x 0,5 mm	1921.50

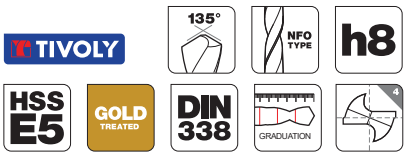


1146852

Burghie cilindrice scurte pentru metal DIN 338 SLR® tip NFO

- *burghie cilindrice scurte pentru metal, conform DIN 338, SLR® tip NFO,*
- *material HSS-E (Co 5%), rectificate, tratate termic*
- *unghi de ascutire 135°, unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *gradatie pentru controlul adancimi de gaurire*
- *de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si .micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate, slab aliate si ideal pentru gauriri in tevi si profile din otel inoxidabil*
- *recomandabil a se folosi pe masini de gaurit, utilaje stationare si fixe dar si pe masini de gaurit portabile, electrice sau pneumatice*





	Ø	L	l1	
11468520100	1,0	34	12	15.55
11468520150	1,5	40	18	15.84
11468520200	2,0	49	24	16.52
11468520250	2,5	57	30	18.53
11468520300	3,0	61	33	20.08
11468520320	3,2	65	36	22.26
11468520330	3,3	65	36	29.38
11468520350	3,5	70	39	23.07
11468520400	4,0	75	43	27.31
11468520420	4,2	75	43	29.55
11468520450	4,5	80	47	32.42
11468520480	4,8	86	52	44.24
11468520500	5,0	86	52	31.56
11468520520	5,2	86	52	34.25
11468520550	5,5	93	57	34.83
11468520600	6,0	93	57	38.39
11468520650	6,5	101	63	43.43
11468520680	6,8	109	69	52.50
11468520700	7,0	109	69	53.70
11468520750	7,5	109	69	52.73
11468520800	8,0	117	75	64.03
11468520850	8,5	117	75	64.49
11468520900	9,0	125	81	65.93
11468520950	9,5	125	81	89.85
11468521000	10,0	133	87	101.56
11468521050	10,5	133	87	103.80
11468521100	11,0	142	94	114.24
11468521200	12,0	151	101	132.08
11468521300	13,0	151	101	146.31

8242201 NOU

Burghie cilindrice scurte din carbura monobloc, conform DIN 6537K, m7, 2xd, TiAlN, fara canale de racira SIRIUS III

- *burghie cilindrice scurte din carbura monobloc, conform DIN 6537K, fara canale de racire*
- *material: carbura monobloc HM, acoperire pe partea activa TiAlN*
- *adancimea de aschiere recomandata : 2xD*
- *unghi de ascutire: 145°*
- *unghiul spirei: 30°*
- *toleranta diametrului m7*
- *cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate, slab si inaltaliate, oteluri inoxodabile, oteluri pentru tratament termic cu σr≤1400 N/mm², si ideal pentru gauriri in oteluri refractare si aliate cu Titan, dar si gaurire in fonte, aliaje de alumini si bronzuri*
- *recomandabil a se pot folosi doar pe masini de gaurit stationare, utilaje cu CNC*





	Ø	d2	L	Lu	Amb	
82422010300	3	6	62	20	1	423.93
82422010310	3.1	6	62	20	1	423.93
82422010320	3.2	6	62	20	1	423.93
82422010330	3.3	6	62	20	1	423.93
82422010340	3.4	6	62	20	1	423.93
82422010350	3.5	6	62	20	1	423.93
82422010360	3.6	6	62	20	1	423.93
82422010370	3.7	6	62	20	1	423.93
82422010380	3.8	6	66	24	1	423.93
82422010390	3.9	6	66	24	1	423.93
82422010400	4	6	66	24	1	423.93
82422010410	4.1	6	66	24	1	423.93
82422010420	4.2	6	66	24	1	423.93
82422010430	4.3	6	66	24	1	423.93
82422010440	4.4	6	66	24	1	423.93
82422010450	4.5	6	66	24	1	423.93
82422010460	4.6	6	66	24	1	423.93
82422010465	4.65	6	66	24	1	423.93
82422010470	4.7	6	66	24	1	423.93
82422010480	4.8	6	66	28	1	423.93
82422010490	4.9	6	66	28	1	423.93
82422010500	5	6	66	28	1	423.93
82422010510	5.1	6	66	28	1	423.93
82422010520	5.2	6	66	28	1	423.93
82422010530	5.3	6	66	28	1	423.93
82422010540	5.4	6	66	28	1	423.93
82422010550	5.5	6	66	28	1	423.93
82422010555	5.55	6	66	28	1	423.93
82422010560	5.6	6	66	28	1	423.93
82422010570	5.7	6	66	28	1	423.93
82422010580	5.8	6	66	28	1	423.93
82422010590	5.9	6	66	28	1	423.93
82422010600	6	6	66	28	1	423.93
82422010610	6.1	8	79	34	1	561.31
82422010620	6.2	8	79	34	1	561.31
82422010630	6.3	8	79	34	1	561.31
82422010640	6.4	8	79	34	1	561.31
82422010650	6.5	8	79	34	1	561.31

	Ø	d2	L	Lu	Amb	
82422010660	6.6	8	79	34	1	561.31
82422010670	6.7	8	79	34	1	561.31
82422010675	6.75	8	79	34	1	561.31
82422010680	6.8	8	79	34	1	561.31
82422010690	6.9	8	79	34	1	561.31
82422010700	7	8	79	34	1	561.31
82422010710	7.1	8	79	41	1	561.31
82422010720	7.2	8	79	41	1	561.31
82422010730	7.3	8	79	41	1	561.31
82422010740	7.4	8	79	41	1	561.31
82422010750	7.5	8	79	41	1	561.31
82422010755	7.55	8	79	41	1	561.31
82422010760	7.6	8	79	41	1	561.31
82422010770	7.7	8	79	41	1	561.31
82422010780	7.8	8	79	41	1	561.31
82422010790	7.9	8	79	41	1	561.31
82422010800	8	8	79	41	1	561.31
82422010810	8.1	10	89	47	1	676.23
82422010820	8.2	10	89	47	1	676.23
82422010830	8.3	10	89	47	1	676.23
82422010840	8.4	10	89	47	1	676.23
82422010850	8.5	10	89	47	1	676.23
82422010860	8.6	10	89	47	1	676.23
82422010870	8.7	10	89	47	1	676.23
82422010880	8.8	10	89	47	1	676.23
82422010890	8.9	10	89	47	1	676.23
82422010900	9	10	89	47	1	676.23
82422010910	9.1	10	89	47	1	676.23
82422010920	9.2	10	89	47	1	676.23
82422010930	9.3	10	89	47	1	676.23
82422010940	9.4	10	89	47	1	676.23
82422010950	9.5	10	89	47	1	676.23
82422010955	9.55	10	89	47	1	676.23
82422010960	9.6	10	89	47	1	676.23
82422010970	9.7	10	89	47	1	676.23
82422010980	9.8	10	89	47	1	676.23
82422010990	9.9	10	89	47	1	676.23
82422011000	10	10	89	47	1	676.23
82422011010	10.1	12	102	55	1	939.67
82422011020	10.2	12	102	55	1	939.67
82422011025	10.25	12	102	55	1	939.67
82422011030	10.3	12	102	55	1	939.67
82422011040	10.4	12	102	55	1	939.67
82422011050	10.5	12	102	55	1	939.67
82422011060	10.6	12	102	55	1	939.67
82422011070	10.7	12	102	55	1	939.67
82422011080	10.8	12	102	55	1	939.67
82422011090	10.9	12	102	55	1	939.67
82422011100	11	12	102	55	1	939.67
82422011110	11.1	12	102	55	1	939.67
82422011120	11.2	12	102	55	1	939.67
82422011130	11.3	12	102	55	1	939.67
82422011140	11.4	12	102	55	1	939.67
82422011150	11.5	12	102	55	1	939.67
82422011160	11.6	12	102	55	1	939.67
82422011170	11.7	12	102	55	1	939.67
82422011180	11.8	12	102	55	1	939.67
82422011190	11.9	12	102	55	1	939.67
82422011200	12	12	102	55	1	939.67
82422011210	12.1	14	107	60	1	1356.72
82422011220	12.2	14	107	60	1	1356.72
82422011230	12.3	14	107	60	1	1356.72
82422011240	12.4	14	107	60	1	1356.72
82422011250	12.5	14	107	60	1	1356.72

	Ø	d2	L	Lu	Amb	
82422011260	12.6	14	107	60	1	1356.72
82422011270	12.7	14	107	60	1	1356.72
82422011280	12.8	14	107	60	1	1356.72
82422011290	12.9	14	107	60	1	1356.72
82422011300	13	14	107	60	1	1356.72
82422011310	13.1	14	107	60	1	1356.72
82422011320	13.2	14	107	60	1	1356.72
82422011330	13.3	14	107	60	1	1356.72
82422011340	13.4	14	107	60	1	1356.72
82422011350	13.5	14	107	60	1	1356.72
82422011360	13.6	14	107	60	1	1356.72
82422011370	13.7	14	107	60	1	1356.72
82422011380	13.8	14	107	60	1	1356.72
82422011390	13.9	14	107	60	1	1356.72
82422011400	14	14	107	60	1	1356.72
82422011410	14.1	16	115	65	1	1707.54
82422011420	14.2	16	115	65	1	1707.54
82422011430	14.3	16	115	65	1	1707.54
82422011440	14.4	16	115	65	1	1707.54
82422011450	14.5	16	115	65	1	1707.54
82422011460	14.6	16	115	65	1	1707.54
82422011470	14.7	16	115	65	1	1707.54
82422011480	14.8	16	115	65	1	1707.54
82422011490	14.9	16	115	65	1	1707.54
82422011500	15	16	115	65	1	1707.54
82422011510	15.1	16	115	65	1	1707.54
82422011520	15.2	16	115	65	1	1707.54
82422011525	15.25	16	115	65	1	1707.54
82422011530	15.3	16	115	65	1	1707.54
82422011540	15.4	16	115	65	1	1707.54
82422011550	15.5	16	115	65	1	1707.54
82422011560	15.6	16	115	65	1	1707.54
82422011570	15.7	16	115	65	1	1707.54
82422011580	15.8	16	115	65	1	1707.54
82422011590	15.9	16	115	65	1	1707.54
82422011600	16	16	115	65	1	1707.54

1300

Burghie cilindrice cu doua capete pentru metal

- *burghie cilindrice scurte, cu doua capete (burghie pentru caroserie), pentru metal, tip N, 118°, HSS, rectificate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°, toleranta diametrului h8*
- *ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara, micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in foi de tabla, platbanda sau profile din oteluri ne aliate si slab aliate, cu σr ≤ 800 N / mm², oteluri pentru tratament termic cu σr≤1100 N/mm², gaurire materiale neferoase (aliaje de cupru si bronzuri), mase plastice*
- *recomandabil a se pot folosi pe masini de gaurit, utilaje stationare si fixe dar si pe masini de gaurit portabile, electrice sau pneumatice*



BOC BOHRCRAFT NORM | HSS G | 118° | DIN 1412C | 800 N/mm²

	Ø	d2	L	Lu	Amb	
13000100200	2,00		43	13	10	3.93
13000100250	2,50		43	13	10	3.93
13000100300	3,00		46	13	10	3.93
13000100310	3,10		49	13	10	3.93
13000100320	3,20		49	13	10	3.93
13000100325	3,25		49	13	10	3.93
13000100330	3,30		49	13	10	4.10
13000100350	3,50		49	13	10	4.26
13000100400	4,00		52	16	10	4.43

	Ø	d2	L	Lu	Amb	
13000100410	4,10		55	16	10	4.43
13000100420	4,20		55	16	10	5.08
13000100450	4,50		58	16	10	7.54
13000100490	4,90		62	16	10	7.54
13000100500	5,00		62	16	10	7.54
13000100510	5,10		62	16	10	7.54
13000100520	5,20		62	16	10	7.54
13000100550	5,50		66	19	10	10.33
13000100600	6,00		66	19	10	12.13

1340

Burghie cilindrice lungi pentru metal DIN 340, tip N, 118°, HSS

- *burghie cilindrice lungi, pentru metal, conform DIN 340, tip N, 118°, HSS*
- *tratate termic, laminate, brunate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°, toleranta diametrului h8*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, cu σr≤750 N/mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice) se pot folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice*





BOC BOHRCRAFT

DIN 340 | HSS R | Typ N | 118° | 10xd

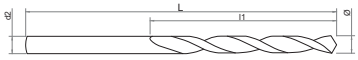
	Ø	d2	L	Lu	Amb	
13400100200	2,00		85	56	10	3.11
13400100250	2,50		95	62	10	3.11
13400100280	2,80		100	66	10	4.43
13400100300	3,00		100	66	10	3.93
13400100310	3,10		106	69	10	4.75
13400100320	3,20		106	69	10	4.75
13400100330	3,30		106	69	10	5.08
13400100340	3,40		112	73	10	5.57
13400100350	3,50		112	73	10	4.75
13400100370	3,70		112	73	10	5.57
13400100380	3,80		119	78	10	5.57
13400100390	3,90		119	78	10	5.90
13400100400	4,00		119	78	10	5.57
13400100410	4,10		119	78	10	6.23
13400100420	4,20		119	78	10	6.23
13400100440	4,40		126	82	10	6.39
13400100450	4,50		126	82	10	5.90
13400100480	4,80		132	87	10	8.36
13400100490	4,90		132	87	10	8.36
13400100500	5,00		132	87	10	7.70
13400100510	5,10		132	87	10	8.85
13400100520	5,20		132	87	10	8.85
13400100550	5,50		139	91	10	8.52
13400100580	5,80		139	91	10	10.66
13400100600	6,00		139	91	10	10.66
13400100620	6,20		148	97	10	11.80
13400100630	6,30		148	97	10	11.80
13400100650	6,50		148	97	10	9.67
13400100680	6,80		156	102	10	11.15
13400100700	7,00		156	102	10	11.15
13400100750	7,50		156	102	10	12.13
13400100800	8,00		165	109	10	14.26
13400100850	8,50		165	109	10	15.74
13400100900	9,00		175	115	10	16.72
13400100950	9,50		175	115	10	18.36
13400101000	10,00		184	121	10	22.46
13400101050	10,50		184	121	5	24.75
13400101100	11,00		195	128	5	27.54
13400101150	11,50		195	128	5	30.16
13400101200	12,00		205	134	5	34.59
13400101250	12,50		205	134	5	37.21
13400101300	13,00		205	134	5	39.84

1350

Burghie cilindrice lungi pentru metal DIN 340, tip N, 118°, HSS-G, rectificate

- *burghie cilindrice lungi, pentru metal, conform DIN 340, tip N, 118°, HSS-G*
- *tratate termic, rectificate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°, toleranta diametrului h8*
- *ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara, micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm², oteluri pentru tratament termic cu σr≤1100 N/mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri) si in mase plastice*
- *se pot folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice*





BOC BOHRCRAFT

800 N/mm² | 10xd | DIN 340 | HSS G | Typ N | 118° | SPLIT POINT | DIN 1412 C

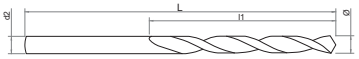
	Ø	d2	L	Lu	Amb	
13500100100	1,00		56	33	10	3.77
13500100150	1,50		70	45	10	3.77
13500100200	2,00		85	56	10	3.77
13500100250	2,50		95	62	10	3.93
13500100280	2,80		100	66	10	6.39
13500100300	3,00		100	66	10	5.57
13500100310	3,10		106	69	10	6.39
13500100320	3,20		106	69	10	6.39
13500100330	3,30		106	69	10	6.39
13500100350	3,50		112	73	10	6.39
13500100360	3,60		112	73	10	8.69
13500100370	3,70		112	73	10	8.69
13500100380	3,80		119	78	10	8.85
13500100390	3,90		119	78	10	8.85
13500100400	4,00		119	78	10	7.70
13500100410	4,10		119	78	10	9.84
13500100420	4,20		119	78	10	9.84
13500100430	4,30		126	82	10	11.64
13500100440	4,40		126	82	10	11.48
13500100450	4,50		126	82	10	9.34
13500100480	4,80		132	87	10	11.31
13500100490	4,90		132	87	10	13.61
13500100500	5,00		132	87	10	11.31
13500100510	5,10		132	87	10	15.90
13500100520	5,20		132	87	10	15.90
13500100530	5,30		132	87	10	15.90
13500100540	5,40		139	91	10	15.90
13500100550	5,50		139	91	10	13.44
13500100580	5,80		139	91	10	17.54
13500100600	6,00		139	91	10	15.25
13500100620	6,20		148	97	10	20.16
13500100650	6,50		148	97	10	16.39
13500100680	6,80		156	102	10	20.00
13500100700	7,00		156	102	10	18.85
13500100750	7,50		156	102	10	20.98
13500100800	8,00		165	109	10	24.26
13500100850	8,50		165	109	10	26.72
13500100900	9,00		175	115	10	27.54
13500100950	9,50		175	115	10	32.46
13500101000	10,00		184	121	10	37.21
13500101020	10,20		184	121	5	39.67
13500101050	10,50		184	121	5	39.67
13500101100	11,00		195	128	5	42.95
13500101150	11,50		195	128	5	46.72
13500101200	12,00		205	134	5	53.28
13500101250	12,50		205	134	5	58.69
13500101300	13,00		205	134	5	61.31
13500201400	14,00		214	140	1	98.52
13500201600	16,00		227	149	1	168.52

1140331

Burghie cilindrice lungi pentru metal DIN 340, tip N, 118°, HSS-G, rectificate

- *burghie cilindrice lungi, pentru metal, conform DIN 340, tip N, 118°, HSS-G*
- *material HSS-G, rectificate, tratate, tratament de suprafata in aburi*
- *taiere pe dreapta*
- *unghi de ascutire 118°*
- *unghiul spirei 20-30°, toleranta diametrului h8*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate si oteluri inoxidabile austenitice, cu σr≤950 N/mm², gaurire in fonte*
- *se pot folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice*





TIVOLY | 118° | N TYPE | h8 | HSS | STEAM TREATED | DIN 340 | 7xd

	Ø	d2	L	Lu	Amb	
11403310100	1,0	1,0	56	33		39.76
11403310110	1,1	1,1	60	37		37.75
11403310120	1,2	1,2	65	41		36.26
11403310130	1,3	1,3	65	41		33.22
11403310140	1,4	1,4	70	45		36.55
11403310150	1,5	1,5	70	45		28.40
11403310160	1,6	1,6	76	50		31.27
11403310170	1,7	1,7	76	50		45.96
11403310180	1,8	1,8	80	53		27.66
11403310190	1,9	1,9	80	53		47.39
11403310200	2,0	2,0	85	56		20.43
11403310210	2,1	2,1	85	56		22.38
11403310220	2,2	2,2	90	59		30.52
11403310230	2,3	2,3	90	59		21.92
11403310240	2,4	2,4	95	62		26.45
11403310250	2,5	2,5	95	62		22.38
11403310260	2,6	2,6	95	62		34.71
11403310270	2,7	2,7	100	66		24.67
11403310280	2,8	2,8	100	66		24.67
11403310290	2,9	2,9	100	66		34.25
11403310300	3,0	3,0	100	60		20.77
11403310310	3,1	3,1	106	69		24.61
11403310320	3,2	3,2	106	69		22.95
11403310325	3,25	3,25	106	69		23.30
11403310330	3,3	3,3	106	69		23.30
11403310340	3,4	3,4	112	73		25.76
11403310350	3,5	3,5	112	73		23.75
11403310360	3,6	3,6	112	73		28.57
11403310370	3,7	3,7	112	73		26.57
11403310375	3,75	3,75	112	73		39.76
11403310380	3,8	3,8	119	78		29.55
11403310390	3,9	3,9	119	78		36.15
11403310400	4,0	4,0	119	78		26.22
11403310410	4,1	4,1	119	78		29.20
11403310420	4,2	4,2	119	78		29.84
11403310425	4,25	4,25	119	78		49.17
11403310430	4,3	4,3	119	78		31.56
11403310440	4,4	4,4	126	82		45.96
11403310450	4,5	4,5	126	82		30.87
11403310460	4,6	4,6	126	82		32.02
11403310470	4,7	4,7	126	82		54.16
11403310480	4,8	4,8	126	82		33.85
11403310490	4,9	4,9	132	87		34.20
11403310500	5,0	5,0	132	87		33.22
11403310510	5,1	5,1	132	87		36.61
11403310520	5,2	5,2	132	87		36.61
11403310525	5,25	5,25	132	87		62.02
11403310530	5,3	5,3	132	87		37.47
11403310540	5,4	5,4	139	91		41.20
11403310550	5,5	5,5	139	91		39.93

	Ø	d2	L	Lu	Amb	
11403310560	5,6	5,6	139	91		47.91
11403310570	5,7	5,7	139	91		41.20
11403310575	5,75	5,75	139	91		67.13
11403310580	5,8	5,8	139	91		41.43
11403310590	5,9	5,9	139	91		42.86
11403310600	6,0	6,0	139	91		40.62
11403310610	6,1	6,1	148	97		49.23
11403310620	6,2	6,2	148	97		49.23
11403310625	6,25	6,25	148	97		75.68
11403310630	6,3	6,3	148	97		49.23
11403310640	6,4	6,4	148	97		65.64
11403310650	6,5	6,5	148	97		51.87
11403310660	6,6	6,6	148	97		53.88
11403310670	6,7	6,7	148	97		53.70
11403310675	6,75	6,75	156	102		74.53
11403310680	6,8	6,8	156	102		61.05
11403310690	6,9	6,9	156	102		67.07
11403310700	7,0	7,0	156	102		60.42
11403310720	7,2	7,2	156	102		76.31
11403310740	7,4	7,4	156	102		76.31
11403310750	7,5	7,5	156	102		64.38
11403310780	7,8	7,8	165	109		79.07
11403310800	8,0	8,0	165	109		71.78
11403310820	8,2	8,2	165	109		85.09
11403310850	8,5	8,5	165	109		79.64
11403310900	9,0	9,0	175	115		86.47
11403310910	9,1	9,1	175	115		110.51
11403310950	9,5	9,5	175	115		87.73
11403310980	9,8	9,8	184	121		114.75
11403311000	10,0	10,0	184	121		94.67
11403311020	10,2	10,2	184	121		150.84
11403311025	10,25	10,25	184	121		139.31
11403311050	10,5	10,5	184	121		128.12
11403311100	11,0	11,0	195	128		142.24
11403311150	11,5	11,5	195	128		145.39
11403311180	11,8	11,8	195	128		193.65
11403311200	12,0	12,0	205	134		162.15
11403311250	12,5	12,5	205	134		170.70
11403311300	13,0	13,0	205	134		193.53

1807 NOU

Burghiu pentru puncte de sudura, din carbura monobloc

- *burghiu pentru sudare prin puncte din carbura solida cu 3 muchii de taiere.*
- *pentru gaurirea punctelor de sudura in foi de inalta rezistenta pana la 1.800 N/mm² (~ 52 HRC)*
- *cu tija triunghiulara pentru o transmisie optima a puterii*
- *trebuie respectati viteza recomandata.*
- *cu acoperire TiALN pentru o durata de viata mai lunga a sculei.*





BOC BOHRCRAFT | BOC NORM | VHM SC | Z3 | 3 | 1800 N/mm² | TiALN

	Ø	L1	rpm	
18070300800	8	80	1800	727.87

1806 NOU

Burghiu scurt pentru puncte de sudura, din carbura monobloc

- *burghiu pentru sudare prin puncte din carbura solida cu 3 muchii de taiere.*
- *pentru gaurirea punctelor de sudura in foi de inalta rezistenta pana la 1.800 N/mm² (~ 52 HRC)*
- *cu tija triunghiulara pentru o transmisie optima a puterii*
- *trebuie respectati viteza recomandata.*
- *cu acoperire TiALN pentru o durata de viata mai lunga a sculei.*



BOC BOHRCRAFT | VHM SC | Z3 | BOC BOHRCRAFT NORM | 1800 N/mm² | TiALN

	Ø	L1	rpm	
18060300845	8	45	1800	604.75

1400

Burghie cilindrice lungi pentru metal DIN 1869, tip N, 118°, HSS-G, rectificate

- *burghie cilindrice lungi, pentru metal, conform DIN 1869, tip N, 118°, HSS-G*
- *tratate termic, rectificate*
- *taiere pe dreapta, unghiul spirei 20-30°, toleranta diametrului h8*
- *ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara, micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate si aliate, cu $\sigma r \leq 800$ N / mm², oteluri pentru tratament termic cu $\sigma r \leq 1100$ N/mm², gaurire in materiale neferoase (cupru si bronzuri) si in mase plastice*
- *se recomanda gaurirea cu racire iar forta de achiere trebuie sa fie corelata cu stabilitatea burghiului*
- *se pot folosi pe masini de gaurit, utilaje stationare, fixe*



BOHRCRAFT

800 N/mm² | 10xd | DIN 1869 | HSS G | Typ N | 118° | DIN 1412C SPLIT POINT

	Ø	d2	L	Lu	Amb	
Seria 1						
14000710200	2,00		125	85	1	**33.61**
14000710250	2,50		140	85	1	**36.89**
14000710300	3,00		150	100	1	**36.89**
14000710320	3,20		155	105	1	**49.51**
14000710330	3,30		155	105	1	**49.51**
14000710350	3,50		165	115	1	**52.62**
14000710400	4,00		175	120	1	**56.72**
14000710420	4,20		175	120	1	**56.72**
14000710450	4,50		185	125	1	**59.84**
14000710500	5,00		195	135	1	**71.31**
14000710550	5,50		205	140	1	**96.72**
14000710600	6,00		205	140	1	**96.72**
14000710650	6,50		215	150	1	**102.30**
14000710700	7,00		225	155	1	**114.75**
14000710750	7,50		225	155	1	**119.67**
14000710800	8,00		240	165	1	**128.03**
14000710850	8,50		240	165	1	**149.84**
14000710900	9,00		250	175	1	**188.85**
14000710950	9,50		250	175	1	**188.85**
14000711000	10,00		265	185	1	**197.70**
14000711050	10,50		265	185	1	**219.02**
14000711100	11,00		280	195	1	**231.31**
14000711150	11,50		280	195	1	**243.11**
14000711200	12,00		295	205	1	**271.80**
14000711250	12,50		295	205	1	**271.80**
14000711300	13,00		295	205	1	**297.87**
Seria 2						
14000720300	3,00		190	130	1	**69.02**
14000720320	3,20		200	135	1	**72.30**
14000720330	3,30		200	135	1	**72.30**
14000720350	3,50		210	145	1	**85.74**
14000720400	4,00		220	150	1	**92.79**
14000720420	4,20		220	150	1	**92.79**
14000720450	4,50		235	160	1	**111.15**
14000720500	5,00		245	170	1	**118.69**
14000720550	5,50		260	180	1	**139.34**
14000720600	6,00		260	180	1	**139.34**
14000720650	6,5		275	190	1	**166.72**
14000720700	7,00		290	200	1	**175.90**
14000720750	7,50		290	200	1	**189.34**
14000720800	8,00		305	210	1	**198.52**
14000720850	8,50		305	210	1	**250.49**
14000720900	9,00		320	220	1	**262.95**
14000720950	9,50		320	220	1	**262.95**
14000721000	10,00		340	235	1	**278.36**
14000721050	10,50		340	235	1	**312.62**
14000721100	11,00		365	250	1	**330.33**
14000721150	11,50		365	250	1	**357.38**
14000721200	12,00		375	260	1	**377.87**
14000721250	12,50		375	260	1	**377.87**
14000721300	13,00		375	260	1	**420.33**

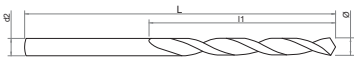
	Ø	d2	L	Lu	Amb	
Seria 3						
14000730350	3,50		265	180	1	**111.15**
14000730400	4,00		280	190	1	**118.85**
14000730420	4,20		280	190	1	**118.85**
14000730450	4,50		295	200	1	**170.33**
14000730500	5,00		315	210	1	**181.48**
14000730550	5,50		330	225	1	**190.16**
14000730600	6,00		330	225	1	**190.16**
14000730650	6,50		350	235	1	**201.48**
14000730700	7,00		370	250	1	**224.75**
14000730750	7,50		370	250	1	**239.34**
14000730800	8,00		390	265	1	**303.93**
14000730850	8,50		390	265	1	**358.20**
14000730900	9,00		410	280	1	**376.56**
14000731000	10,00		430	295	1	**394.43**
14000731050	10,50		430	295	1	**427.54**
14000731100	11,00		455	310	1	**448.20**
14000731150	11,50		455	310	1	**467.21**
14000731200	12,00		480	330	1	**513.44**
14000731250	12,50		480	330	1	**513.44**
14000731300	13,00		480	330	1	**614.26**

8143811

Burghie cilindrice, extra lungi pentru metal NAS 907, HSS, tip N

- *burghiu cilindric cu coada cilindrica, extra lung pentru metal, NAS 907, tip N, HSS-G, rectificate*
- *material: HSS, tratate termic, rectificate*
- *taiere pe dreapta*
- *unghi de ascutire 118°*
- *taiere pe dreapta, unghiul spirei 20-30°, toleranta diametrului h8*
- *destinate pentru gaurire in oteluri ne aliate si aliate pentru tratament termic, cu $\sigma r \leq 700$ N / mm²*
- *se pot folosi in zonele cu acces dificil la gaurirea structurilor in aviatie, pe masini de gaurit portabile, electrice sau pneumatice*





TIVOLY | 118° | N TYPE | h8 | HSS | BRIGHT UNCOATED | NAS 907 | 3xd

	Ø	d2	L	Lu	Amb	
81438110200	2,0	2,0	306	29		**91.00**
81438110250	2,5	2,5	307	28		**81.82**
81438110300	3,0	3,0	307	43		**77.23**
81438110320	3,2	3,2	307	43		**77.23**
81438110326	3,26	3,26	307	43		**77.23**
81438110330	3,3	3,3	307	50		**77.23**
81438110350	3,5	3,5	307	56		**108.61**
81438110400	4,0	4,0	307	56		**86.30**
81438110410	4,1	4,1	307	56		**86.30**
81438110422	4,22	4,22	307	56		**90.54**
81438110450	4,5	4,5	307	60		**118.89**
81438110480	4,8	4,8	307	65		**132.83**
81438110500	5,0	5,0	308	65		**107.58**
81438110520	5,2	5,2	308	65		**121.18**
81438110550	5,5	5,5	308	70		**121.18**
81438110580	5,8	5,8	308	70		**125.48**
81438110600	6,0	6,0	308	70		**172.88**
81438110620	6,2	6,2	308	77		**144.93**
81438110650	6,5	6,5	308	77		**160.48**
81438110675	6,75	6,75	308	82		**172.88**
81438110780	7,8	7,8	308	82		**172.88**
81438110800	8,0	8,0	308	82		**169.55**

9020061

Burghie cilindrice cu coada conica pentru metal DIN 345, tip N, 118°, HSS

- *burghie cilindrice cu coada conica / Con Morse, pentru metal, conform DIN 345, tip N, material: HSS, laminate / frezate, tratate termic, brunate*
- *fatetele si conul rectificate*
- *ascutirea conform DIN 1412 tip A, unghiul de ascutire 118°*
- *taiere pe dreapta, unghiul spirei 20-30°, toleranta diametrului h8*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, cu $\sigma r \leq 700$ N / mm²*
- *se pot folosi pe masini de gaurit, utilaje stationare si fixe*





TIVOLY | 118° | N TYPE | h8 | HSS | STEAM TREATED | DIN 338 | 3xd

	Ø	d2	L	Lu	Amb	
90200610500	5	CM1	133	52		**44.18**
90200610550	5,5*	CM1	138	57		**45.79**
90200610600	6	CM1	138	57		**45.10**
90200610650	6,5	CM1	144	63		**45.10**
90200610680	6,8	CM1	150	69		**49.57**
90200610700	7	CM1	150	69		**49.57**
90200610750	7,5*	CM1	150	69		**51.92**
90200610800	8	CM1	156	75		**54.22**
90200610850	8,5	CM1	156	75		**54.22**
90200610900	9	CM1	162	81		**54.22**
90200610950	9,5*	CM1	162	81		**55.02**

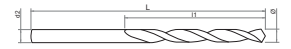
* In limita stocului disponibil

1140981

Burghie cilindrice cu coada conica pentru metal DIN 345, tip N, 118°, HSS, rectificate

- *burghie cilindrice cu coada conica / Con Morse, pentru metal, conform DIN 345, tip N, 118°, material: HSS, rectificate, tratate termic*
- *fatetele si conul rectificate*
- *ascutirea conform DIN 1412 tip A, unghiul de ascutire 118°*
- *taiere pe dreapta, unghiul spirei 20-30°, toleranta diametrului h8*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, cu $\sigma r \leq 700$ N / mm², oteluri pentru tratament termic cu $\sigma r \leq 950$ N / mm² si oteluri inoxidabile austenitice*
- *se pot folosi pe masini de gaurit, utilaje stationare si fixe*





TIVOLY | 118° | N TYPE | h8 | HSS | STEAM TREATED | DIN 345 | 3xd

	Ø	d2	L	Lu	Amb	
11409810300	3	CM1	114	33		**179.25**
11409810350	3,5	CM1	120	39		**188.83**
11409810400	4	CM1	124	43		**169.78**
11409810420	4,2	CM1	124	43		**243.8**
11409810450	4,5	CM1	128	47		**162.38**
11409810500	5	CM1	133	52		**150.5**
11409810550	5,5	CM1	138	57		**157.9**
11409810600	6	CM1	138	57		**148.32**
11409810625	6,5	CM1	144	63		**145.83**
11409810680	6,8	CM1	150	69		**253.15**
11409810700	7	CM1	150	69		**138.57**
11409810750	7,5	CM1	150	69		**157.9**
11409810800	8	CM1	156	75		**139.94**

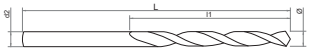
	Ø	d2	L	Lu	Amb	
11409810850	8,5	CM1	156	75		162.38
11409810900	9	CM1	162	81		167.31
11409810950	9,5	CM1	162	81		179.25
11409811000	10	CM1	168	87		186.07
11409811020	10,2	CM1	168	87		231.8
11409811050	10,5	CM1	168	87		225.09
11409811100	11	CM1	175	94		231.46
11409811150	11,5	CM1	175	94		233.01
11409811200	12	CM1	182	101		232.61
11409811250	12,5	CM1	182	101		211.38
11409811275	12,75	CM1	182	101		242.59
11409811300	13	CM1	182	101		209.66
11409811350	13,5	CM1	189	108		255.67
11409811400	14	CM1	189	108		216.94
11409811425	14,25	CM2	212	114		310.12
11409811450	14,5	CM2	212	114		281.43
11409811500	15	CM2	212	114		281.61
11409811550	15,5	CM2	218	120		291.42
11409811600	16	CM2	218	120		285.68
11409811650	16,5	CM2	223	125		313.57
11409811700	17	CM2	223	125		297.33
11409811750	17,5	CM2	228	130		327.62
11409811800	18	CM2	228	130		349.08
11409811850	18,5	CM2	233	135		368.07
11409811900	19	CM2	233	135		358.2
11409811950	19,5	CM2	238	140		408.18
11409812000	20	CM2	238	140		383.91
11409812050	20,5	CM2	243	145		445.99
11409812100	21	CM2	243	145		455.57
11409812150	21,5	CM2	248	150		496.37
11409812200	22	CM2	248	150		491.09
11409812250	22,5	CM2	253	155		533.72
11409812300	23	CM2	253	155		569.98
11409812350	23,5	CM3	276	155		548.3
11409812400	24	CM3	281	160		574.29
11409812450	24,5	CM3	281	160		597.81
11409812500	25	CM3	281	160		544.62
11409812550	25,5	CM3	286	165		672.46
11409812600	26	CM3	286	165		682.1
11409812650	26,5	CM3	286	165		687.43
11409812700	27	CM3	291	170		741.77
11409812750	27,5	CM3	291	170		751.93
11409812800	28	CM3	291	170		777.29
11409812850	28,5	CM3	296	175		876.32
11409812900	29	CM3	296	175		837.02
11409812950	29,5	CM3	296	175		866.57
11409813000	30	CM3	296	175		901.45
11409813050	30,5	CM3	301	180		1085.52
11409813100	31	CM3	301	180		1016.61
11409813150	31,5	CM3	301	180		1145.82
11409813200	32	CM4	334	185		1075.93
11409813250	32,5	CM4	334	185		1255.58
11409813300	33	CM4	334	185		1156.20
11409813350	33,5	CM4	334	185		1334.99
11409813400	34	CM4	339	190		1297.64
11409813450	34,5	CM4	339	190		1534.72
11409813500	35	CM4	339	190		1285.13
11409813550	35,5	CM4	339	190		1513.43
11409813600	36	CM4	344	195		1444.87
11409813650	36,5	CM4	344	195		1603.34
11409813700	37	CM4	344	195		1493.64
11409813750	37,5	CM4	344	195		1732.44
11409813800	38	CM4	349	200		1643.51
11409813850	38,5	CM4	349	200		2073.38
11409813900	39	CM4	349	200		1683.56
11409813950	39,5	CM4	349	200		2073.38
11409814000	40	CM4	349	200		1852.88
11409814050	40,5	CM4	354	205		2312.41
11409814100	41	CM4	354	205		2191.80
11409814200	42	CM4	354	205		2291.35
11409814300	43	CM4	359	210		2449.83
11409814400	44	CM4	359	210		2539.68
11409814500	45	CM4	359	210		2639.06
11409814600	46	CM4	264	215		2688.80
11409814700	47	CM4	264	215		2790.13
11409814800	48	CM4	369	220		2986.82
11409814900	49	CM4	369	220		3088.15
11409815000	50	CM4	369	220		3237.27
11409815100	51	CM5	412	225		3819.88
11409815200	52	CM5	412	225		4011.23
11409815300	53	CM5	412	225		4011.23
11409815400	54	CM5	417	230		4297.71
11409815500	55	CM5	417	230		4395.14
11409815600	56	CM5	417	230		4395.14
11409815700	57	CM5	422	235		4727.41
11409815800	58	CM5	422	235		4966.39
11409815900	59	CM5	422	235		4966.39
11409816000	60	CM5	422	235		5157.51

1142051

Burghie cilindrice extralungi cu coada conica / Con Morse, pentru metal, similar DIN 1870 (NFE 66076), HSS, tip N, 118°, seria lungime 400 mm

• aceleasi caracteristici ca si articolul 1142041, dar cu lungime totala de 400 mm





TIVOLY | 118° | N TYPE | h8 | HSS | STEAM TREATED | NFE 66076 | >10xd

	Ø	d2	L	Lu	
11420511000	10,0	CM1	400	300	669.88
11420511050	10,5	CM1	400	300	723.41
11420511100	11,0	CM1	400	300	723.41
11420511150	11,5	CM1	400	300	764.66
11420511200	12,0	CM2	400	300	750.43
11420511250	12,5	CM2	400	300	750.43
11420511300	13,0	CM2	400	300	794.73
11420511350	13,5	CM2	400	300	794.73
11420511400	14,0	CM2	400	300	796.11
11420511450	14,5	CM2	400	300	796.11
11420511500	15,0	CM2	400	300	867.02
11420511550	15,5	CM2	400	300	867.02
11420511600	16,0	CM2	400	300	912.98
11420511650	16,5	CM2	400	300	912.98
11420511700	17,0	CM2	400	300	963.59
11420511750	17,5	CM2	400	300	963.59
11420511800	18,0	CM2	400	300	1006.62
11420511850	18,5	CM2	400	300	1006.62
11420511900	19,0	CM2	400	300	1187.82
11420511950	19,5	CM2	400	300	1187.82
11420512000	20,0	CM2	400	300	1254.43
11420512050	20,5	CM2	400	300	1254.43
11420512100	21,0	CM2	400	300	1292.59
11420512150	21,5	CM2	400	300	1292.59
11420512200	22,0	CM2	400	300	1411.13
11420512250	22,5	CM2	400	300	1411.13
11420512300	23,0	CM2	400	300	1425.82
11420512400	24,0	CM3	400	275	1440.45
11420512500	25,0	CM3	400	275	1455.20
11420512600	26,0	CM3	400	275	1541.26
11420512700	27,0	CM3	400	275	1610.80
11420512800	28,0	CM3	400	275	1681.26
11420512900	29,0	CM3	400	275	1781.27
11420513000	30,0	CM3	400	275	1817.42
11420513100	31,0	CM3	400	275	2011.18



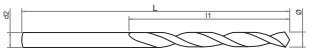


1142

Burghie cilindrice cu coada conica pentru metal DIN 345, tip N, 118°, HSS

• burghie cilindrice cu coada conica / Con Morse, pentru metal, conform DIN 345, tip N, 118°, HSS
• ascutire conform DIN 1412 tip A,
• laminate / frezate, tratate termic, brunate
• fatetele si conul rectificate
• taiere pe dreapta, unghiul spirei 20-30°, toleranta diametrului h8
• destinate pentru gaurire in oteluri ne aliate si aliate, sau piese turnate din oteluri, cu σr ≤ 800 N / mm², oteluri pentru tratament termic cu σr≤1100 N/mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri) si in mase plastice
• se pot folosi pe masini de gaurit, utilaje stationare si fixe





BOHRCRAFT

DIN 345 | HSS | Typ N | 118° | 800 N/mm²

	Ø	d2	L	Lu	Amb	
14500301000	10,00	CM1	168	87	1	39.34
14500301050	10,50	CM1	168	87	1	39.34
14500301100	11,00	CM1	175	94	1	39.34
14500301150	11,50	CM1	175	94	1	39.67
14500301200	12,00	CM1	182	101	1	40.98
14500301250	12,50	CM1	182	101	1	43.93
14500301300	13,00	CM1	182	101	1	43.93
14500301350	13,50	CM1	189	108	1	43.93
14500301400	14,00	CM1	189	108	1	54.43
14500301450	14,50	CM2	212	114	1	54.43
14500301500	15,00	CM2	212	114	1	54.43
14500301550	15,50	CM2	218	120	1	54.43
14500301600	16,00	CM2	218	120	1	58.52
14500301650	16,50	CM2	223	125	1	63.77
14500301700	17,00	CM2	228	130	1	69.18
14500301750	17,50	CM2	228	130	1	69.18
14500301800	18,00	CM2	228	130	1	72.95
14500301850	18,50	CM2	233	135	1	72.95
14500301900	19,00	CM2	233	135	1	81.31
14500301950	19,50	CM2	238	140	1	81.31
14500302000	20,00	CM2	238	140	1	89.84
14500302050	20,50	CM2	243	145	1	93.11
14500302100	21,00	CM2	243	145	1	109.67
14500302150	21,50	CM2	248	150	1	109.67
14500302200	22,00	CM2	248	150	1	112.13
14500302250	22,50	CM2	253	155	1	113.28
14500302300	23,00	CM2	253	155	1	122.62
14500302350	23,50	CM3	276	155	1	140.16
14500302400	24,00	CM3	281	160	1	146.23
14500302450	24,50	CM3	281	160	1	149.51
14500302500	25,00	CM3	281	160	1	153.77
14500302550	25,50	CM3	286	165	1	153.77
14500302600	26,00	CM3	286	165	1	174.59
14500302650	26,50	CM3	286	165	1	174.59
14500302700	27,00	CM3	291	170	1	181.97
14500302750	27,50	CM3	291	170	1	181.97
14500302800	28,00	CM3	291	170	1	189.67
14500302850	28,50	CM3	296	175	1	190.33
14500302900	29,00	CM3	296	175	1	216.39
14500302950	29,50	CM3	296	175	1	216.39

	Ø	d2	L	Lu	Amb	
14500303000	30,00	CM3	296	175	1	216.39
14500303050	30,50	CM3	301	180	1	245.08
14500303100	31,00	CM3	301	180	1	259.18
14500303150	31,50	CM3	301	180	1	275.25
14500303200	32,00	CM4	334	185	1	292.79
14500303250	32,50	CM4	334	185	1	292.79
14500303300	33,00	CM4	334	185	1	298.36
14500303350	33,50	CM4	334	185	1	328.36
14500303400	34,00	CM4	339	190	1	328.36
14500303450	34,50	CM4	339	190	1	333.61
14500303500	35,00	CM4	339	190	1	388.52
14500303550	35,50	CM4	339	190	1	388.52
14500303600	36,00	CM4	344	195	1	395.25
14500303650	36,50	CM4	344	195	1	400.82
14500303700	37,00	CM4	344	195	1	449.67
14500303750	37,50	CM4	344	195	1	449.67
14500303800	38,00	CM4	349	200	1	449.67
14500303850	38,50	CM4	349	200	1	449.67
14500303900	39,00	CM4	349	200	1	503.28
14500303950	39,50	CM4	349	200	1	503.28
14500304000	40,00	CM4	349	200	1	522.95
14500304050	40,50	CM4	354	205	1	522.95
14500304100	41,00	CM4	354	205	1	522.95
14500304150	41,50	CM4	354	205	1	532.13
14500304200	42,00	CM4	354	205	1	532.13
14500304250	42,50	CM4	354	205	1	532.13
14500304300	43,00	CM4	359	210	1	542.46
14500304350	43,50	CM4	359	210	1	551.80
14500304400	44,00	CM4	359	210	1	562.30
14500304450	44,50	CM4	359	210	1	570.33
14500304500	45,00	CM4	359	210	1	641.15
14500304550	45,50	CM4	364	215	1	641.15
14500304600	46,00	CM4	364	215	1	641.15
14500304650	46,50	CM4	364	215	1	650.16
14500304700	47,00	CM4	364	215	1	719.51
14500304750	47,50	CM4	364	215	1	739.34
14500304800	48,00	CM4	369	220	1	739.34
14500304850	48,50	CM4	369	220	1	749.02
14500304900	49,00	CM4	369	220	1	749.02
14500304950	49,50	CM4	369	220	1	768.85
14500305000	50,00	CM4	369	220	1	768.85
14501505100	51,00	CM5	412	225	1	1050.33
14501505200	52,00	CM5	412	225	1	1050.98
14501505300	53,00	CM5	412	225	1	1050.98
14501505400	54,00	CM5	417	230	1	1157.54
14501505500	55,00	CM5	417	230	1	1160.00
14501505600	56,00	CM5	417	230	1	1183.44
14501505700	57,00	CM5	422	235	1	1365.57
14501505800	58,00	CM5	422	235	1	1365.57
14501505900	59,00	CM5	422	235	1	1376.89
14501506000	60,00	CM5	422	235	1	1376.89

1451

Burghie cilindrice cu coada conica pentru metal DIN 345, tip N, 118°, HSS, rectificate

- *burghie cilindrice cu coada conica / Con Morse, pentru metal, conform DIN 345, tip N, 118°*
- *material : HSS; fatetele si conul rectificate*
- *ascutirea conform DIN 1412 tip A,*
- *taiere pe dreapta, unghiul spirei 20-30°, toleranta diametrului h8*
- *destinate pentru gaurire in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm², oteluri pentru tratament termic cu σr≤1100 N/mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri) si in mase plastice*
- *se pot folosi pe masini de gaurit, utilaje stationare*



DIN	HSS	Typ		800
345		N	118°	N/mm²

	Ø	d2	L	Lu	Amb	
14510301000	10,0	CM1	168	87	1	112.30
14510301025	10,25	CM1	168	87	1	114.75
14510301050	10,50	CM1	168	87	1	110.66
14510301075	10,75	CM1	175	94	1	129.84
14510301100	11,00	CM1	175	94	1	118.69
14510301125	11,25	CM1	175	94	1	137.21
14510301150	11,50	CM1	175	94	1	125.41
14510301175	11,75	CM1	182	101	1	142.95
14510301200	12,00	CM1	182	101	1	129.18
14510301225	12,25	CM1	182	101	1	147.54
14510301250	12,50	CM1	182	101	1	134.10
14510301275	12,75	CM1	182	101	1	152.46

	Ø	d2	L	Lu	Amb	
14510301300	13,00	CM1	182	101	1	138.03
14510301325	13,25	CM1	189	108	1	161.15
14510301350	13,50	CM1	189	108	1	146.56
14510301375	13,75	CM1	189	108	1	170.49
14510301400	14,00	CM1	189	108	1	154.43
14510301425	14,25	CM2	212	114	1	173.44
14510301450	14,50	CM2	212	114	1	163.93
14510301475	14,75	CM2	212	114	1	183.11
14510301500	15,00	CM2	212	114	1	165.08
14510301525	15,25	CM2	218	120	1	185.25
14510301550	15,50	CM2	218	120	1	167.87
14510301575	15,75	CM2	218	120	1	181.97
14510301600	16,00	CM2	218	120	1	167.87
14510301625	16,25	CM2	223	125	1	188.20
14510301650	16,50	CM2	223	125	1	176.72
14510301675	16,75	CM2	223	125	1	194.59
14510301700	17,00	CM2	228	130	1	185.57
14510301725	17,25	CM2	228	130	1	201.31
14510301750	17,50	CM2	228	130	1	189.84
14510301775	17,75	CM2	228	130	1	208.69
14510301800	18,00	CM2	228	130	1	196.07
14510301825	18,25	CM2	233	135	1	222.46
14510301850	18,50	CM2	233	135	1	203.11
14510301875	18,75	CM2	233	135	1	237.05
14510301900	19,00	CM2	233	135	1	216.39
14510301925	19,25	CM2	238	140	1	247.38
14510301950	19,50	CM2	238	140	1	225.08
14510301975	19,75	CM2	238	140	1	257.38
14510302000	20,00	CM2	238	140	1	234.10
14510302025	20,25	CM2	243	145	1	278.03
14510302050	20,25	CM2	243	145	1	251.64
14510302075	20,75	CM2	243	145	1	295.08
14510302100	21,00	CM2	243	145	1	273.93
14510302125	21,25	CM2	248	150	1	300.98
14510302150	21,50	CM2	248	150	1	282.62
14510302175	21,75	CM2	248	150	1	321.15
14510302200	22,00	CM2	248	150	1	292.62
14510302225	22,25	CM2	253	155	1	331.97
14510302250	22,50	CM2	253	155	1	302.95
14510302275	22,75	CM2	253	155	1	344.43
14510302300	23,00	CM2	253	155	1	313.77
14510302325	23,25	CM3	276	155	1	362.30
14510302350	23,50	CM3	276	155	1	333.11
14510302375	23,75	CM3	281	160	1	379.67
14510302400	24,00	CM3	281	160	1	344.59
14510302425	24,25	CM3	281	160	1	397.21
14510302450	24,50	CM3	281	160	1	362.30
14510302475	24,75	CM3	281	160	1	417.70
14510302500	25,00	CM3	281	160	1	379.67
14510302525	25,25	CM3	286	165	1	437.05
14510302550	25,50	CM3	286	165	1	397.21
14510302575	25,75	CM3	286	165	1	437.05
14510302600	26,00	CM3	286	165	1	422.30
14510302625	26,25	CM3	286	165	1	459.34
14510302650	26,50	CM3	286	165	1	422.30
14510302675	26,75	CM3	291	170	1	485.74
14510302700	27,00	CM3	291	170	1	441.31
14510302725	27,25	CM3	291	170	1	503.44
14510302750	27,50	CM3	291	170	1	459.34
14510302775	27,75	CM3	291	170	1	523.28
14510302800	28,00	CM3	291	170	1	485.74
14510302825	28,25	CM3	296	175	1	533.44
14510302850	28,50	CM3	296	175	1	507.70
14510302875	28,75	CM3	296	175	1	567.21
14510302900	29,00	CM3	296	175	1	540.16
14510302925	29,25	CM3	296	175	1	607.87
14510302950	29,50	CM3	296	175	1	578.85
14510302975	29,75	CM3	296	175	1	611.80
14510303000	30,00	CM3	296	175	1	611.80
14510303050	30,50	CM3	301	180	1	611.80
14510303100	31,00	CM3	301	180	1	689.51
14510303150	31,50	CM3	301	180	1	689.51
14510303200	32,00	CM4	334	185	1	778.03
14510303250	32,50	CM4	334	185	1	867.38
14510303300	33,00	CM4	334	185	1	867.38
14510303350	33,50	CM4	334	185	1	900.66
14510303400	34,00	CM4	339	190	1	900.66
14510303450	34,50	CM4	339	190	1	927.70
14510303500	35,00	CM4	339	190	1	927.70
14510303550	35,50	CM4	339	190	1	1012.13
14510303600	36,00	CM4	344	195	1	1012.13
14510303650	36,50	CM4	344	195	1	1240.98
14510303700	37,00	CM4	344	195	1	1240.98
14510303750	37,50	CM4	344	195	1	1240.98
14510303800	38,00	CM4	349	200	1	1240.98
14510303850	38,50	CM4	349	200	1	1251.15
14510303900	39,00	CM4	349	200	1	1251.15
14510303950	39,50	CM4	349	200	1	1251.15

	Ø	d2	L	Lu	Amb	
14510304000	40,00	CM4	349	200	1	1251.15
14510304050	40,50	CM4	354	205	1	1251.15
14510304100	41,00	CM4	354	205	1	1273.28
14510304150	41,50	CM4	354	205	1	1365.74
14510304200	42,00	CM4	354	205	1	1365.74
14510304250	42,50	CM4	354	205	1	1365.74
14510304300	43,00	CM4	359	210	1	1436.72
14510304350	43,50	CM4	359	210	1	1522.13
14510304400	44,00	CM4	359	210	1	1522.13
14510304450	44,50	CM4	359	210	1	1741.48
14510304500	45,00	CM4	359	210	1	1741.48
14510304550	45,50	CM4	364	215	1	1741.48
14510304600	46,00	CM4	364	215	1	1741.48
14510304650	46,50	CM4	364	215	1	1960.00
14510304700	47,00	CM4	364	215	1	1960.00
14510304750	47,50	CM4	364	215	1	1960.00
14510304800	48,00	CM4	369	220	1	1960.00
14510304850	48,50	CM4	369	220	1	1960.00
14510304900	49,00	CM4	369	220	1	1960.00
14510304950	49,50	CM4	369	220	1	2158.20
14510305000	50,00	CM4	369	220	1	2158.20
14511505100	51,00	CM5	412	225	1	2469.02
14511505200	52,00	CM5	412	225	1	2516.89
14511505300	53,00	CM5	412	225	1	2545.90
14511505400	54,00	CM5	417	230	1	2719.67
14511505500	55,00	CM5	417	230	1	2777.54
14511505600	56,00	CM5	417	230	1	2929.34
14511505700	57,00	CM5	422	235	1	3009.02
14511505800	58,00	CM5	422	235	1	3096.07
14511505900	59,00	CM5	422	235	1	3182.62
14511506000	60,00	CM5	422	235	1	3385.25
14511506500	65,00	CM5	432	245	1	4659.84
14511507000	70,00	CM5	437	250	1	5629.67
14511507500	75,00	CM5	442	255	1	6459.67

1500

Burghiu cilindric pentru metal DIN 8037, 118°, HSS-HM, placat HM

- *burghie cilindrice pentru metal, conform DIN 8037, 118°, HSS-HM*
- *pentru otel, fonta, otel de arc, cu duritatea peste 300 HB, bronz ductil, molibden purtratat complet,*
- *suprafete rectificate*
- *unghiul la varf: 118º*
- *taiere pe dreapta*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate cu σr ≤ 800 N / mm², oteluri pentru tratament termic cu σr≤1400 N/mm², gaurire in oteluri inoxidabile, sau piese t urnate din oteluri, sau piese din fonta cu duritatea ≤ 300 HB, gaurire in materiale neferoase (aliaje de cupru si bronzuri)*
- *se pot folosi pe masini de gaurit, utilaje stationare , cat si pe masini de gaurit portabile*



BOHRCRAFT

DIN	HSS		
8037	HM		118°

	Ø	d2	L	Lu	Amb	
15000700250	2,50		46		1	121.48
15000700300	3,00		50		1	109.84
15000700350	3,50		56		1	111.97
15000700400	4,00		56		1	107.54
15000700420	4,20		63		1	124.75
15000700450	4,50		63		1	107.54
15000700500	5,00		63		1	107.54
15000700550	5,50		71		1	107.54
15000700600	6,00		71		1	122.13
15000700650	6,50		71		1	124.59
15000700680	6,80		80		1	143.28
15000700700	7,00		80		1	139.18
15000700750	7,50		80		1	146.56
15000700800	8,00		80		1	156.23
15000700850	8,50		90		1	163.28
15000700900	9,00		90		1	166.72
15000700950	9,50		90		1	181.15
15000701000	10,00		100		1	209.18
15000701020	10,20		100		1	244.92
15000701050	10,50		100		1	244.92
15000701100	11,00		100		1	250.98
15000701150	11,50		112		1	294.10
15000701200	12,00		112		1	295.08
15000701250	12,50		112		1	331.31
15000701300	13,00		112		1	337.05

11109720001 NOU

Set 3 limitatoare reglabile de adancime 3-4,5/5-7,5/8-12 mm

- *set de 3 limitatoare de gaurire cu sistem de prindere rapida (nu necesita unelte suplimentare)*
- *accesoriu ideal pentru burghiu, va permite sa gauriti intotdeauna la adancimea potrivita, pentru instalarea diblurilor*
- *se adapteaza la o gama larga de diametre de burghie: opritor nr. 1 pentru burghie de la 3 la 4,5 mm, nr. 2 pentru burghie de la 5 la 7,5 mm, nr. 3 pentru burghie de la Ø8 la 12 mm*
- *fixare excelenta pe burghiu, prindere puternica, datorita suprafetei mari de contact*
- *dimensiuni 13.2 x 4.7 x 4.2 cm*





TIVOLY

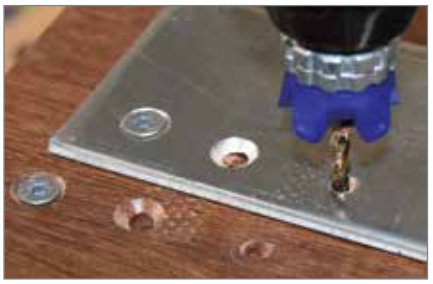
11109720001	3-12 mm / 3 piese (3-4,5/5-7,5/8-12)	1270	49,34

119007 NOU

Burghiu si freza 2in1 pentru lemn si metal cu limitator de adancime

- *burghiu si freza de inalta performanta care permite gaurirea si taierea intr-o singura operatie, cu reglarea adancimii de taiere fara unelte suplimentare*
- *unelte 2 in 1 pentru lemn de esenta tare si metal*
- *ajustabil la intervale milimetrice*
- *gaurire si frezare combinate*
- *gurire incredibil de rapida*
- *durata de viata maxima*
- *tija cu schimbare rapida*
- *caneluri tip N la 30°*
- *otel HSS*
- *opritorul nu lasa urme in material*
- *opritor reglabil*





TIVOLY

	Ø	L	L		
11900720300	3,0	80	80	37	88.36
11900720400	4,0	94	94	42	89.84
11900720500	5,0	105	105	49	92.30

1600

Burghiu de centruire DIN 333 A HSS

- *burghiu de centruire DIN 333, forma A, HSS,*
- *tratat complet, suprafete rectificate*
- *unghi de centrare: 60º, pentru gauri de centrare conform DIN 332*
- *unghiul la varf: 120º*
- *taiere pe dreapta*
- *destinate pentru gaurire in oteluri ne aliate si aliate, sau piese turnate din oteluri, cu σr ≤ 800 N / mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri) si in mase plastice*
- *se pot folosi pe masini de gaurit, utilaje stationare*



BOHRCRAFT | DIN 333 | HSS G | FORM A/60° | 800 N/mm²

	Ø	d2	L	Lu	Amb	
16000300100	1,00		3,15		1	16.23
16000300125	1,20		3,15		1	16.23
16000300160	1,60		4,00		1	16.72
16000300200	2,00		5,00		1	19.34
16000300250	2,50		6,30		1	22.46
16000300315	3,15		8,00		1	28.20
16000300400	4,00		10,00		1	43.77
16000300500	5,00		12,50		1	60.00
16000300630	6,30		16,00		1	100.98

1761

Burghiu in trepte cu canale drepte, titanizate

- *burghiu in trepte cu canale drepte, norma BOHRCRAFT*
- *material: HSS, acoperire TiN, taiere pe dreapta, coada cilindrica*
- *ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *pentru executarea gaurilor mari in table de otel cu grosimi de pana la 2 mm si in neferoase sau nemetale cu grosimi pana la 4 mm*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate cu σr ≤ 800 N / mm², oteluri pentru tratament termic cu σr≤1100 N/mm², gaurire in oteluri inoxidabile sau aliate cu Titan, gaurire in materiale neferoase (aliaje de cupru) si in mase plastice*
- *se pot folosi pe masini de gaurit, utilaje stationare , cat si pe masini de gaurit portabile*



BOHRCRAFT | TiN

	Tip	d	Trepte	d2	
17610300022	2A	4,0-20,0	4, 6, 8, 10, 12, 14, 16, 18, 20 9 / trepte	8	357.87
17610300033	3A	4,0-30,0	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 / 14 trepte	10	522.46



1760

Burghiu in trepte cu canale drepte

- *burghiu in trepte cu canale drepte, norma BOHRCRAFT*
- *material: HSS, taiere pe dreapta, coada cilindrica*
- *ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *pentru executarea gaurilor mari in table de otel cu grosimi de pana la 2 mm si in neferoase sau nemetale cu grosimi pana la 4 mm*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate cu σr ≤ 800 N / mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri) si in mase plastice*
- *se pot folosi pe masini de gaurit, utilaje stationare , cat si pe masini de gaurit portabile*



BOHRCRAFT | BOHRCRAFT NORM | HSS G | CBN | DIN 1412 C SPLIT POINT

	Tip	d	Trepte	d2	
17600300001	1	4,0-12,0	9 / 1 mm	6	191.97
17600300003	3	20,0-30,0	11 / 1 mm	10	423.93
17600300022	2A	4,0-20,0	4, 6, 8, 10, 12, 14, 16, 18, 20 9 / trepte	8	247.87
17600300033	3A	4,0-30,0	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 / 14 trepte	10	369.02

1763

Burghiu in trepte cu canale elicoidale

- *burghiu in trepte cu canale elicoidale, norma BOHRCRAFT*
- *material: HSS, taiere pe dreapta, coada cilindrica*
- *ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *pentru executarea gaurilor mari in table de otel cu grosimi de pana la 2 mm si in neferoase sau nemetale cu grosimi pana la 4 mm*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate cu σr ≤ 800 N / mm², gaurire in materiale neferoase (aliaje de aluminiu, cupru si bronzuri) si in mase plastice*
- *se pot folosi pe masini de gaurit, utilaje stationare, cat si pe masini de gaurit portabile*



BOHRCRAFT | BOHRCRAFT NORM | HSS G | CBN | DIN 1412 C SPLIT POINT

	Tip	d	Trepte	d2	
17630300001	1-S	4,0-12,0	9 / 1 mm	6	247.38
17630300022	2A-S	4,0-20,0	4, 6, 8, 10, 12, 14, 16, 18, 20 / 9 trepte	10	326.39
17630300033	3A-S	4,0-30,0	4, 6, 8,10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 / 14 trepte	8	510.82
17630300066	6-S	4,0-39,0	4, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39 / 13 trepte	10	787.05

71763 NOU

Burghiu in trepte HSS 4241 cu doua canale elicoidale, 4-32 mm cu coada hexagonala 3/8”

• burghie trepte din HSS 4241 pentru electricieni, lucratori cu tabla si mecanici auto
• burghiile in trepte sunt concepute pentru gauri repetitive in cupru, alama, aluminiu, plastic, plexiglas, laminate si multe alte materiale subtiri

AVANTAJE:
• nu necesita pregaurire
• usor de ascutit
• adancime treapta de 4,5 mm
• gaurire fara trepte in cele mai subtiri table
• gaurire fara bavuri, fara deformare a tablei
• debavurare automata

61-62 HRC



KRONUS Professional Quality

HSS 4241 | ALU | Cu,Ni, Mn, Zn | Plastice PVC

	Canale	Dimensiune		LU	
902549	**4**	4-32 mm	1/4”	71,5 mm	**109.72**

15 trepte (4, 6, 8.10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32)

71763KIT NOU

Set burghie in trepte HSS 4241 cu doua canale elicoidale, 3-12 mm si 4-22 mm cu coada hexagonala de impact 1/4”

• burghie trepte din HSS 4241 pentru electricieni, lucratori cu tabla si mecanici auto
• burghiile in trepte sunt concepute pentru gauri repetitive in cupru, alama, aluminiu, plastic, plexiglas, laminate si multe alte materiale subtiri

AVANTAJE:
• nu necesita pregaurire
• usor de ascutit
• adancime treapta de 5 mm
• gaurire fara trepte in cele mai subtiri table
• gaurire fara bavuri, fara deformare a tablei
• debavurare automata

61-62 HRC



KRONUS Professional Quality

HSS 4241 | ALU | Cu,Ni, Mn, Zn | Plastice PVC

	Canale	Dimensiune		LU	
902550	**4**	3-12 / 4-22 mm	1/4”	49 / 71.5	**64.93**

3-12mm 10 trepte (3, 4, 5, 6, 7, 8,9, 10, 11, 12)

4-22mm 10 trepte (4, 6, 8, 10, 12, 14, 16, 18, 20, 22)

71763M2 NOU

Burghiu in trepte HSS M2 cu canale elicoidale, cu coada hexagonala normala 3/8” sau 1/4” de impact

• burghie in trepte pentru electricieni, lucratori cu tabla si mecanici auto
• burghiile in trepte sunt proiectate pentru gauri repetitive in otel, otel inoxidabil, cupru, alama, aluminiu, plastic, plexiglas, laminate si multe alte materiale subtiri

AVANTAJE:
• nu necesita pregaurire
• usor de ascutit
• gaurire fara trepte in cele mai subtiri foi
• gaurire fara bavuri, fara deformare a tablei
• debavurare automata
• HSS M2 creste semnificativ rezistenta la caldura si permite burghiului sa functioneze la temperaturi mai ridicate fara a-si pierde caracteristi-cile tehnice (duritatea)
• M2 ofera performante sporite si durata de viata a sculei la prelucrarea otelurilor dure. aceste burghie sunt ideale pentru utilizarea la gaurirea otelului inoxidabil si otelului de inalta rezistenta
• fabricat din otel rapid de calitate premium, cu muchie de taiere slefuita cu canale duble pentru o durata lunga de viata

63-65 HRC



KRONUS Professional Quality

HSS M2 | NIROSTA STAINLESS INOX | ALU | Cu,Ni, Mn, Zn | Plastice PVC

	Canale	Dimensiune		LU	
902551	**2**	**4-22 mm**	1/4”	**53,5**	**67.87**
10 trepte (4, 6, 8, 10, 12, 14, 6.18, 20, 22)					
902552	**4**	**4-35 mm**	3/8”	**76**	**169.67**
16 trepte (4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35)					
902553	**2**	**4-39 mm**	3/8”	**68**	**260.16**
13 trepte (4, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39)					

71763M35TiAN NOU

Burghiu in trepte HSS M35 Co 5% cu patru canale elicoidale, cu coada hexagonala, acoperire TiAN

• design unic cu patru caneluri si este fabricat din otel rapid M35 Cobalt 5%
• viteza de gaurire mai mare si eficienta mai buna de indepartare a a schiilor decat produsele similare
• burghie in trepte pentru electricieni, lucratori cu tabla si mecanici auto
• burghiile in trepte sunt proiectate pentru gauri repetitive in otel, otel inoxidabil, cupru, alama, aluminiu, plastic, plexiglas, laminate si multe alte materiale subtiri

AVANTAJE
• nu necesita pregaurire
• usor de ascutit
• adancime treapta de 5 mm (1/4”) si 4.5 mm (3/8”)
• gaurire fara trepte in cele mai subtiri foi
• gaurire fara bavuri, fara deformare a tablei
• debavurare automata
• HSS M35 creste semnificativ rezistenta la caldura si permite burghiului sa functioneze la temperaturi
mai ridicate fara a-si pierde caracteristicile tehnice (duritatea)
• M35 ofera performante sporite si durata de viata a sculei la prelucrarea otelurilor dure; aceste burghie Sunt ideale pentru utilizarea la gaurirea inoxului otel si otel de inalta rezistenta.
• fabricat din otel rapid de calitate premium, cu muchie de taiere slefuita cu canale duble pentru o durata lunga de viata
• durata de viata de 10 ori mai mare cu acoperire cu titan TiAIN

63-65 HRC



SPECIAL INOX

KRONUS Professional Quality

Cu,Ni, Mn, Zn | Plastice PVC | LONG LIFE

HSS M35 | acoperire TiAIN | Co5% | NIROSTA STAINLESS INOX | ALU

	Canale	Dimensiune		LU	
902554	**4**	**4-22 mm**	1/4”	53.5	**271.48**
10 trepte (4, 6, 8, 10, 12, 14, 6.18, 20, 22)					
902555	**4**	**4-35 mm**	3/8”	76	**396.58**
16 trepte (4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35)					

71763M2TiAN NOU

Burghiu in trepte HSS M2 cu patru canale elicoidale, cu coada hexagonala acoperire TiAN

• burghie in trepte pentru electricieni, lucratori cu tabla si mecanici auto
• burghiile in trepte sunt proiectate pentru gauri repetitive in otel, otel inoxidabil, cupru, alama, aluminiu, plastic, plexiglas, laminate si multe alte materiale subtiri

AVANTAJE:
• nu necesita pregaurire
• usor de ascutit
• gaurire fara trepte in cele mai subtiri foi
• gaurire fara bavuri, fara deformare a tablei
• debavurare automata
• HSS M2 creste semnificativ rezistenta la caldura si permite burghiului sa functioneze la temperaturi mai ridicate fara a-si pierde caracteristicile tehnice (duritatea)
• M2 ofera performante sporite si durata de viata a sculei la prelucrarea otelurilor dure; aceste burghie sunt ideale pentru utilizarea la gaurirea otelului inoxidabil si otelului de inalta rezistenta
• fabricat din otel rapid de calitate premium, cu muchie de taiere slefuita cu canale duble pentru o durata lunga de viata

66-67 HRC



KRONUS Professional Quality

Plastice PVC | LONG LIFE

HSS M2 | acoperire TiAIN | NIROSTA STAINLESS INOX | ALU | Cu,Ni, Mn, Zn

	Canale	Dimensiune		LU	
902556	**4**	**4-22 mm**	1/4”	53.5	**207.68**
10 trepte (4, 6, 8, 10, 12, 14, 6.18, 20, 22)					
902557	**4**	**4-35 mm**	3/8”	76	**331.88**
16 trepte (4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35)					
902558	**4**	**4-39 mm**	3/8”	68	**451.78**
13 trepte (4, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39)					

1767 NOU

Burghiu in trepte acoperire TiAN

• burghiu in trepte premium cu canal spiralat
• canalul spiralat CBN macinat asigura o functionare lina si gauri curate, fara bavuri
• aschiile produse sunt evacuate in mod fiabil in directia opusa directiei de taiere
• pentru materiale normale dure, cum ar fi otelurile generale de structura, metalele neferoase si plasticul.
• grosimea maxima a materialului = inaltimea treptei
• acoperire multistrat albastru+ pentru o durata de viata optimizata



BOC BOHRCRAFT | blue+

BOC BOHRCRAFT NORM | HSS G | CBN | 141/2 C SPLIT POINT | 3

	Ø	Trepte	d3	L1	Tip	
17670300001	4–12	9	6	65	1-S	**308.36**
17670300011	4–12	5	6	65	1A-S	**299.67**
17670300022	4–20	9	8	75	2A-S	**398.85**
17670300033	4–30	14	10	100	3A-S	**586.23**
17670300044	6–26,75	8	10	75	4-S	**520.49**
17670300055	6–37	12	10	100	5-S	**941.15**
17670300066	4–39	13	10	107	6-S	**950.16**
17670300077	6–38	12	10	100	7-S	**941.15**
17670301111	6,5–32,5	9	10	79	11-S	**795.25**
17670301212	6,5–40,5	11	10	96	12-S	**950.33**

1700

Tesitor conic DIN 335 forma C 90º HSS

- *tesitor conic DIN 335 forma C 90º*
- *material : HSS, tratat termic*
- *cu 3 muchii taietoare ; unghiul la varf 90º*
- *suprafetele zencuite rezulta netede si fara arsuri.*
- *pentru o viteza de aschiere mai mare si cresterea duratei de viata a sculei se recomanda utilizarea cu lichid de racire*
- *destinate pentru zencuire in oteluri ne aliate si slab aliate, cu σr≤800 N/mm², in materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)*
- *se pot folosi atat pe masini / utilaje stationare si fixe, cat si pe masini portabile, electrice sau pneumatice*



BOC BOHRCRAFT | DIN 335C | HSS G | 90° | CBN

	Ø	d2	DIN 74 AF	BF	
17000304390	4,3	4			45.08
17000305090	5,0	4	M 2,5		45.08
17000306090	6,0	5	M 3		46.23
17000306390	6,3	5		M 3	36.89
17000307090	7,0	6	M 3,5		49.02
17000307390	7,3	6			40.66
17000308090	8,0	6	M 4		45.57
17000308390	8,3	6		M 4	42.13
17000309490	9,4	6			46.23
17000310090	10,0	6	M 5		55.08
17000310490	10,4	6		M 5	49.51
17000311590	11,5	8	M 6		66.39
17000312090	12,0	8			67.21
17000312490	12,4	8		M 6	64.43
17000315090	15,0	10	M 8		85.57
17000316590	16,5	10		M 8	86.89
17000319090	19,0	10	M 10		117.70
17000320590	20,5	10		M 10	119.18
17000323090	23,0	10	M 12		143.44
17000325090	25,0	10		M 12	149.51
17000331090	31,0	12		M 16	185.74
17000340090	40,0	13			379.51
17000350090	50,0	15			523.93

1710

Tesitor conic DIN 335 forma C 90º HSS-E (Co 5%)

- *tesitor conic DIN 335 forma C 90º*
- *material : HSS-E (Co 5%), tratat termic*
- *cu 3 muchii taietoare; unghiul la varf 90º*
- *suprafetele zencuite rezulta netede si fara arsuri.*
- *pentru o viteza de aschiere mai mare si cresterea duratei de viata a sculei se recomanda utilizarea cu lichid de racire*
- *destinate pentru zencuire in oteluri ne aliate si slab aliate cu σr≤800 N/mm², oteluri pentru tratament termic cu σr≤1100 N/mm², oteluri inoxidabile si materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale plastice*
- *se pot folosi atat pe masini / utilaje stationare si fixe, cat si pe masini portabile, electrice sau pneumatice*



BOC BOHRCRAFT | DIN 335C | HSS-E Co5 | 90° | CBN | VA INOX

	Ø	d2	Varf	BF	LT	
17100306390	6,3	5	1,5	M 3	45	46.39
17100308390	8,3	6	2,0	M 4	50	56.72
17100310490	10,4	6	2,5	M 5	50	65.74
17100312490	12,4	8	2,8	M 6	56	77.05
17100316590	16,5	10	3,2	M 8	60	102.13
17100320590	20,5	10	3,5	M 10	63	135.90
17100325090	25,0	10	3,8	M 12	67	188.85
17100331090	31,0	12	4,2	M 16	71	283.28

1704

Tesitor conic DIN 335 forma D, cu coada conica, 90º HSS

- *tesitor conic DIN 335 forma D, cu coada conica, 90º*
- *material : HSS, tratat termic*
- *cu 3 muchii taietoare ; unghiul la varf 90º*
- *suprafetele zencuite rezulta netede si fara arsuri.*
- *pentru o viteza de aschiere mai mare si cresterea duratei de viata a sculei se recomanda utilizarea cu lichid de racire*
- *destinate pentru zencuire in oteluri ne aliate si slab aliate, cu σr≤800 N/mm², in materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)*
- *se pot folosi atat pe masini / utilaje stationare si fixe*



BOC BOHRCRAFT | DIN 335D | HSS G | 90° | CBN

	Ø	d2	LT	DIN 74 AF	DIN 74 BF	
17040323090	23.0	MK 2	106	M 12		292.95
17040325090	25.0	MK 2	106		M 12	292.95
17040326090	26.0	MK 2	106	M 14		301.31
17040328090	28.0	MK 2	112		M 14	301.31
17040330090	30.0	MK 2	112	M 16		316.23
17040331090	31.0	MK 2	112		M 16	331.97
17040334090	34.0	MK 2	118	M 18	M 18	373.61
17040337090	37.0	MK 2	118	M 20	M 20	420.33
17040340090	40.0	MK 3	140			501.31
17040350090	50.0	MK 3	150			720.49
17040363090	63.0	MK 4	180			1323.11

1705

Tesitor conic, Norma BOHRCRAFT, 90º HSS, coada hexagonala 1/4"

- *tesitor conic, Norma BOHRCRAFT, 90º HSS, coada hex 1/4"*
- *material : HSS, tratat termic*
- *cu 3 muchii taietoare ; unghiul la varf 90º*
- *suprafetele zencuite rezulta netede si fara arsuri.*
- *pentru o viteza de aschiere mai mare si cresterea duratei de viata a sculei se recomanda utilizarea cu lichid de racire*
- *destinate pentru zencuire in oteluri ne aliate si slab aliate, cu σr≤800 N/mm², in materiale neferoase (aliaje de aluminiu, cupru si bronzuri), materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)*
- *se pot folosi pe masini portabile, electrice sau pneumatice*



BOC BOHRCRAFT | BOC BOHRCRAFT NORM | HSS G | 90° | CBN | ¼"

	DIM.	COADA	L	
17050306390	1.5	1/4"	31	47.87
17050308390	2.0	1/4"	31	55.90
17050310490	2.5	1/4"	34	63.28
17050312490	2.8	1/4"	35	82.79
17050316590	3.2	1/4"	40	110.98
17050320590	3.5	1/4"	41	149.51

1715 NOU

Tesitor conic cu trei muchii din carbura monobloc

- *tesitor premium din carbura solida*
- *duritatea ridicata si rezistenta la temperatura, precum si rezistenta la uzura in comparatie cu sculele HSS normale, permit o durata de viata excelenta a sculei chiar si in otelurile de inalta rezistenta ≤ 55 HRC.*
- *canalele optimizate asigura eliminarea ideala a aschiilor si a caldurii*
- *reducerea fortei de avans*



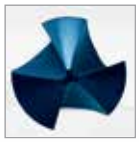
BOC BOHRCRAFT | DIN 335C | VHM SC | 90° | Z3 | CBN

	Ø	d1	d3	L1	DIN74BF	Amb	
17150306390	6,3	1,5	5	45	M3	1	537.38
17150308390	8,3	2,0	6	50	M4	1	591.15
17150310490	10,4	2,5	6	50	M5	1	640.00
17150312490	12,4	2,8	8	56	M6	1	776.39
17150316590	16,5	3,2	10	60	M8	1	908.85
17150320590	20,5	3,5	10	63	M10	1	1211.31
17150325090	25,0	3,8	10	67	M12	1	1594.26
17150331090	31,0	4,2	12	71	M16	1	2036.23

1719 NOU

Tesitor conic cu trei muchii din carbura monobloc

- *tesitor premium din carbura solida*
- *duritatea ridicata si rezistenta la temperatura, precum si rezistenta la uzura in comparatie cu sculele HSS normale, permit o durata de viata excelenta a sculei chiar si in otelurile de inalta rezistenta ≤ 55 HRC.*
- *canalele optimizate asigura eliminarea ideala a aschiilor si a caldurii*
- *reducerea fortei de avans*
- *acoperire multistrat albastru+ pentru o durata de viata optimizata a sculei*





BOC BOHRCRAFT | blue+ | DIN 335C | VHM SC | 90° | Z3 | CBN

	Ø	d1	d3	L1	DIN74BF	Amb	
17190306390	6,3	1,5	5	45	M3	1	610.33
17190308390	8,3	2,0	6	50	M4	1	672.46
17190310490	10,4	2,5	6	50	M5	1	721.80
17190312490	12,4	2,8	8	56	M6	1	875.57
17190316590	16,5	3,2	10	60	M8	1	1024.43
17190320590	20,5	3,5	10	63	M10	1	1355.08
17190325090	25,0	3,8	10	67	M12	1	1773.93
17190331090	31,0	4,2	12	71	M16	1	2244.26

KS 6 HSS

Trusa tesitoare conice 6 piese

- *tesitor conic DIN 335 forma D, cu coada conica, 90º*
- *material : HSS, tratat termic*
- *cu 3 muchii taietoare ; unghiul la varf 90º*



17001410006	6 piese	371.64
6,3 / 8,3 / 10,4 / 12,4 / 16,5 / 20,5 mm		

KSB 6

Trusa tesitoare cu prindere 1/4" conice 6 piese

- *tesitor conic, Norma BOHRCRAFT, 90º HSS, coada hex 1/4"*
- *material : HSS, tratat termic*
- *cu 3 muchii taietoare ; unghiul la varf 90º*
- *suprafetele zencuite rezulta netede si fara arsuri.*



17051410006	6 piese	458.52
16,3 / 8,3 / 10,4 / 12,4 / 16,5 / 20,5 mm		

1675 NOU

Alezor de masina cu coada conica, conform DIN 208 forma B, HSS-E (Co 5%)

- *material: HSS-E5 (Co 5%), tratat termic*
- *in conformitate cu DIN 212 forma B/D*
- *toleranta: H7*
- *unghiul spirei: 7-9º, taiere pe dreapta*
- *unghiul conului de atac 45º*
- *numai pentru alezarea gaurilor strapunse,*
- *pentru oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 1200 N / mm² si oteluri inoxidabile, pentru aliaje neferoase, plastic dur sau moale*



DIN 208 | HSS-E Co5 | FORM B | L 7° | R | Tol. H7

	Ø	L	l2	CM	Z	
16750301000	10	168	38	CM1	6	204.75
16750301200	12	182	44	CM1	6	253.77
16750301400	14	189	47	CM1	8	296.07
16750301600	16	210	52	CM2	8	360.82
16750301800	18	219	56	CM2	8	401.31
16750302000	20	228	60	CM2	8	469.34
16750302200	22	237	64	CM2	8	537.21
16750302400	24	268	68	CM3	8	619.18
16750302500	25	268	68	CM3	8	720.98
16750302600	26	273	70	CM3	8	795.57
16750302800	28	277	71	CM3	10	870.66
16750303000	30	281	73	CM3	10	992.95

1670 NOU

Alezor de mana conform DIN 206 forma B, HSS

- *material: HSS, tratat termic*
- *in conformitate cu DIN 206 forma B*
- *toleranta: H7*
- *unghiul spirei: 7-9º, taiere pe dreapta*
- *unghiul conului de atac 45º*
- *numai pentru alezarea gaurilor strapunse*
- *pentru oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 700 N / mm², pentru aliaje neferoase, plastic dur sau moale*



DIN 206 | HSS | FORM B | 45° | L 7-9° | R | Tol. H7

	Ø	L	l2	d2	■	Z	
16700300400	4	76	38	4	3	4	88.69
16700300500	5	87	44	5	3,8	6	99.18
16700300600	6	93	47	6	4,9	6	100.82
16700300700	7	107	54	7	5,5	6	106.72
16700300800	8	115	58	8	6,2	6	109.67
16700300900	9	124	62	9	7	6	142.13
16700301000	10	133	66	10	8,0	6	152.46
16700301100	11	142	71	11	9,0	8	180.33
16700301200	12	152	76	12	9	8	190.16
16700301400	14	163	81	14	11,0	8	222.79
16700301600	16	175	87	16	12,0	8	252.62
16700301800	18	188	93	18	14,5	8	283.93
16700302000	20	201	100	20	16,0	8	356.89
16700302200	22	215	107	22	18,0	8	474.75
16700302400	24	231	115	24	20,0	8	575.41
16700302500	25	231	115	25	20,0	8	616.56
16700302600	26	231	115	26	20,0	8	660.00
16700302800	28	247	124	28	22,0	8	812.46
16700303000	30	247	124	30	24,0	8	928.69

1673 NOU

Alezor de masina conform DIN 212 forma B/D, HSS-E (Co 5%)

- *material: HSS-E5 (Co 5%), tratat termic*
- *in conformitate cu DIN 212 forma B/D*
- *toleranta: H7*
- *unghiul spirei: 7-9º, taiere pe dreapta*
- *unghiul conului de atac 45º*
- *numai pentru alezarea gaurilor strapunse,*
- *pentru oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 1200 N / mm² si oteluri inoxidabile, pentru aliaje neferoase, plastic dur sau moale*



DIN 212 | HSS-E Co5 | FORM B/D | 45° | L 7-9° | R | Tol. H7

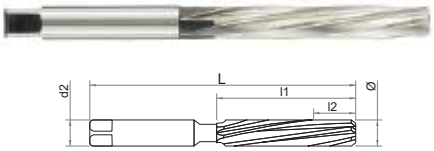
	Ø	L	l2	d2	Z	
16730300300	3	61	15	3	4	110.82
16730300400	4	75	19	4	4	116.23
16730300500	5	86	23	5	6	122.95
16730300600	6	93	26	6	6	129.51
16730300700	7	109	30	7	6	156.23
16730300800	8	117	32	8	6	161.48
16730300900	9	125	36	9	6	212.13
16730301000	10	133	38	10	6	225.90
16730301100	11	142	41	10	8	268.36
16730301200	12	151	44	10	8	285.74
16730301300	13	151	44	10	8	314.75
16730301400	14	160	47	12,5	8	324.92
16730301500	15	162	50	12,5	8	330.33
16730301600	16	170	52	12,5	8	359.34
16730301700	17	175	54	14	8	519.18
16730301800	18	182	56	14	8	532.79
16730301900	19	189	58	16	8	560.98
16730302000	20	195	60	16	8	580.98



1040021

Alezor NFE 66019 similar DIN 206 forma B, HSS

- *material: HSS*
- *in conformitate cu NFE 66019 similar DIN 206 forma B*
- *toleranta: m5*
- *unghiul spirei: 10°*
- *pentru oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 700 N / mm²*



HSS | BRIGHT UNCOATED | NFE 66019 | 10° | m5 | TIVOLY

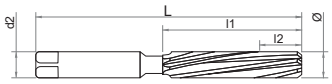
	Ø	d2	L	l2	
10400210200	2	2	50	25	256.59
10400210250	2,5	2,5	58	29	249.99
10400210300	3	3	62	31	249.99
10400210350	3,5	3,5	70	35	249.99
10400210400	4	4	76	38	259.40
10400210450	4,5	4,5	82	41	259.40
10400210500	5	5	87	44	259.40
10400210550	5,5	5,5	93	47	259.40
10400210600	6	6	93	47	259.40
10400210650	6,5	6,5	100	50	283.50
10400210700	7	7	107	54	297.67
10400210750	7,5	7,5	107	54	297.67
10400210800	8	8	115	58	302.03
10400210850	8,5	8,5	115	58	302.03
10400210900	9	9	124	62	315.11
10400210950	9,5	9,5	124	62	315.11
10400211000	10	10	133	60	342.14
10400211100	11	11	142	71	353.27
10400211200	12	12	152	76	382.88
10400211300	13	13	152	76	411.74
10400211400	14	14	163	81	441.40
10400211500	15	15	163	81	488.97
10400211600	16	16	175	87	519.55
10400211700	17	17	175	87	566.89
10400211800	18	18	188	93	609.57
10400211900	19	19	188	96	661.50
10400212000	20	20	201	100	708.89
10400212100	21	21	201	100	921.70
10400212200	22	22	215	107	952.40
10400212300	23	23	215	107	1021.83
10400212400	24	24	231	115	1187.42
10400212500	25	25	231	115	1207.33
10400212600	26	26	231	115	1310.66
10400212700	27	27	247	124	1455.14
10400212800	28	28	247	124	1468.97
10400212900	29	29	247	124	1665.60
10400213000	30	30	247	124	1683.16
10400213100	31	31	265	133	1963.84
10400213200	32	32	265	133	1963.84

8040131

Alezor de masina NFE 66014 echivalent DIN 212 forma B, HSS E5 (Co 5%)

- *material: HSS-E5 (Co 5%)*
- *in conformitate cu NFE 66014 echivalent DIN 212 forma B*
- *toleranta: m5*
- *unghiul spirei: 10°*
- *pentru oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 1200 N / mm² si oteluri inoxidabile*





TIVOLY

HSS E5 | BRIGHT UNCOATED | NFE 66014 | Z 4-8 | 10° | m5

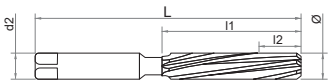
	Ø	d2	L	l1	l2	Z	
80401310100	1	1	38	15	12	4	270.48
80401310150	1,5	1,5	43	26	18	4	261.30
80401310200	2	2	49	31	19	6	229.68
80401310250	2,5	2,5	57	38	20	6	220.44
80401310300	3	3	57	38	20	6	188.71
80401310400	4	4	75	50	24	6	188.71
80401310500	5	5	86	59	26	6	212.18
80401310550	5,5	5,5	93	65	27	6	212.18
80401310600	6	6	101	71	28	6	212.18
80401310650	6,5	6,5	101	71	28	6	212.18
80401310700	7	7	109	78	31	6	265.77
80401310800	8	8	117	84	33	6	259.40
80401310900	9	9	125	88	36	6	351.55
80401310950	9,5	9,5	125	88	36	6	351.55
80401311000	10	10	133	97	38	6	342.94
80401311100	11	11	133	97	38	6	378.29
80401311200	12	12	151	110	44	6	378.29
80401311300	13	13	151	110	44	8	427.69
80401311400	14	14	160	114	47	8	427.69
80401311500	15	15	162	115	50	8	504.63
80401311600	16	16	170	120	52	8	504.63
80401311700	17	17	175	123	54	8	578.07
80401311800	18	18	182	132	56	8	578.07
80401311900	19	19	159	140	58	8	679.34
80401312000	20	20	195	150	60	8	679.34

8040171

Alezor de masina cu coada conica, NFE 66015 similar DIN 208 forma B, HSS E5 (Co 5%)

- *material: HSS-E5 (Co 5%)*
- *in conformitate cu NFE 66015 similar DIN 208 forma B*
- *toleranta: m5*
- *unghiul spirei: 10°*
- *pentru oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 1200 N / mm² si oteluri inoxidabile*





HSS | BRIGHT UNCOATED | NFE 66015 | 10° | m5 | TIVOLY

	Ø	L	l1	l2	CM	
80401710600	6	138	72	28	CM1	360.73
80401710700	7	150	84	31	CM1	367.84
80401710800	8	156	90	33	CM1	380.07
80401710900	9	162	96	36	CM1	387.52
80401711000	10	168	102	38	CM1	404.91
80401711100	11	175	109	41	CM1	422.47
80401711200	12	182	116	44	CM1	440.14
80401711300	13	182	116	44	CM1	480.53
80401711400	14	189	123	47	CM1	480.53
80401711500	15	204	124	50	CM2	552.48
80401711600	16	210	130	52	CM2	585.59
80401711700	17	214	134	54	CM2	621.05
80401711800	18	219	139	56	CM2	670.51
80401711900	19	223	143	58	CM2	725.19
80401712000	20	228	148	60	CM2	772.70
80401712100	21	232	152	62	CM2	833.52
80401712200	22	237	157	64	CM2	888.14
80401712300	23	241	161	66	CM2	962.56
80401712400	24	268	169	68	CM2	1220.47
80401712500	25	268	169	68	CM3	1220.47
80401712600	26	273	174	70	CM3	1327.82
80401712700	27	277	178	71	CM3	1465.30
80401712800	28	277	178	71	CM3	1465.30
80401712900	29	281	181	73	CM3	1665.66
80401713000	30	281	182	73	CM3	1665.66
80401713200	32	317	193	77	CM4	1788.56
80401713500	35	321	197	78	CM4	2250.73
80401714000	40	329	205	81	CM4	2775.44
80401714500	45	336	212	83	CM4	3525.99
80401715000	50	344	220	83	CM4	4475.93

4100

Tarozi pentru filetare manuala, pas normal, DIN 352, HSS-G, 3 buc/set

- *tarozi pentru filetare manuala, filet metric, pas normal, DIN 352, HSS-G, 3 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *tolerant 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, σr ≤ 800 N/mm²*
- *conul de atac :*
- *Nr. 1, 6-8 spire*
- *Nr. 2, 4-5 spire*
- *Nr. 3, 2-3 spire*
- *pentru gauri strapunse sau infundate*



HSS G | ISO2 6H | 60° | 800 N/mm² | M | DIN 352

	M filet	Pas (mm)	Gaura (mm)	
41001100300	M 3	0,50	2,50	48.52
41001100400	M 4	0,70	3,30	48.52
41001100500	M 5	0,80	4,20	50.82
41001100600	M 6	1,00	5,00	58.52
41001100700	M 7	1,00	6,00	72.30
41001100800	M 8	1,25	6,80	70.16
41001100900	M 9	1,25	7,80	116.56
41001101000	M 10	1,50	8,50	82.79
41001101200	M 12	1,75	10,20	103.44
41001101400	M 14	2,00	12,00	157.87
41001101600	M 16	2,00	14,00	190.33
41001101800	M 18	2,50	15,50	276.72
41001102000	M 20	2,50	17,50	296.07
41001102200	M 22	2,50	19,50	363.61
41001102400	M 24	3,00	21,00	417.54
41001102700	M 27	3,00	24,00	545.74
41001103000	M 30	3,50	26,50	694.75
41001103300	M 33	3,50	29,50	1043.44
41001103600	M 36	4,00	32,00	1305.74

4109

Tarozi pentru filetare manuala, pas normal, pe stanga, DIN 352, HSS-G, 3 buc/set

- *tarozi pentru filetare manuala, filet metric, pas normal, pe stanga, DIN 352, HSS-G, 3 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri nealiate si aliate, σr ≤ 800 N/mm²*
- *conul de atac :*
- *Nr1., 6-8 spire*
- *Nr2., 4-5 spire*
- *Nr3., 2-3 spire*
- *pentru gauri strapunse sau infundate*



ISO2 6H | 60° | 800 N/mm² | M | DIN 352 | HSS G | LINKS LEFT

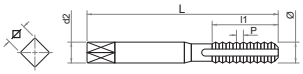
	M filet	Pas (mm)	Gaura (mm)	
41091100300	M 3	0,50	2,50	85.57
41091100400	M 4	0,70	3,30	85.57
41091100500	M 5	0,80	4,20	87.87
41091100600	M 6	1,00	5,00	90.33
41091100800	M 8	1,25	6,80	106.56
41091101000	M 10	1,50	8,50	137.05
41091101200	M 12	1,75	10,20	174.10
41091101400	M 14	2,00	12,00	208.85
41091101600	M 16	2,00	14,00	250.16
41091101800	M 18	2,50	15,50	352.30
41091102000	M 20	2,50	17,50	386.72
41091102200	M 22	2,50	19,50	517.05
41091102400	M 24	3,00	21,00	587.70

1050051

Tarozi pentru filetare manuala, pas normal, DIN 352, Forma C, HSS-G, 3 buc/set

- *tarozi pentru filetare manuala, filet metric, pas normal, DIN 352, HSS-G, 3 buc/set, forma C*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *tolerant 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate de tratament termic, cu σr ≤ 700 N / mm²*
- *pentru gauri strapunse*





TIVOLY | C FORM | 6H | M | HSS | BRIGHT UNCOATED | DIN 352 | x3 SET

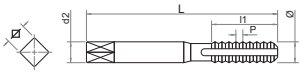
	Ø	P	L	l	d2	
1050051030050	M3	0,5	40	11	3,5	73.61
1050051040070	M4	0,7	45	13	4,5	73.61
1050051050080	M5	0,8	50	15	6	73.61
1050051060100	M6	1	50	16	6	76.77
1050051070100	M7	1	50	19	6	82.45
1050051080125	M8	1,25	56	22	6	88.42
1050051100150	M10	1,5	70	24	7	105.86
1050051120175	M12	1,75	75	29	9	128.64
1050051140200	M14	2	80	30	11	180.34
1050051160200	M16	2	80	32	12	228.59
1050051180250	M18	2,5	95	40	16	264.62
1050051200250	M20	2,5	90	40	16	338.58
1050051220250	M22	2,5	100	40	18	398.37
1050051240300	M24	3	110	45	18	490.98
1050051270300	M27	3	110	50	20	601.89
1050051300350	M30	3,5	125	56	22	787.33

1501511

Tarozi pentru filetare manuala, pas normal, DIN 352, Forma A, HSS-G, 3 buc/set

- *tarozi pentru filetare manuala, filet metric, pas normal, DIN 352, HSS-G, 3 buc/set, forma A*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate de tratament termic, cu σr ≤ 950 N / mm²*
- *pentru gauri strapunse*





TIVOLY | A FORM | 6H | M | HSS | BRIGHT UNCOATED | DIN 352 | x3 SET

	Ø	P	L	l	d2	
150151100200040	M2	0,4	36	9	2,8	157.90
150151100250045	M2,5	0,45	40	10	2,8	153.83
150151100300050	M3	0,5	40	11	3,5	94.21
150151100350060	M3,5	0,6	45	13	4,0	113.15
150151100400070	M4	0,7	45	13	4,5	94.21
150151100500080	M5	0,8	45	15	6,0	98.06
150151100600100	M6	1,0	50	16	6,0	98.06
150151100700100	M7	1,0	50	19	6,0	121.52
150151100800125	M8	1,25	56	22	6,0	113.72
150151100900125	M9	1,25	63	22	6,0	194.74
150151101000150	M10	1,5	70	24	7,0	146.48
150151101100150	M11	1,5	70	24	8,0	245.46
150151101200175	M12	1,75	75	29	9,0	209.71
150151101400200	M14	2,0	80	30	11,0	247.64
150151101600200	M16	2,0	80	32	12,0	339.16
150151101800250	M18	2,5	95	40	14,0	463.43
150151102000250	M20	2,5	95	40	16,0	514.44
150151102200250	M22	2,5	100	40	18,0	678.37
150151102400300	M24	3,0	110	45	18,0	795.93
150151102700300	M27	3,0	110	50	20,0	1013.74
150151103000350	M30	3,5	125	56	22,0	1295.80
150151103300350	M33	3,5	125	56	25,0	1646.09
150151103600400	M36	4,0	150	63	28,0	2102.12
150151103900400	M39	4,0	150	63	32,0	2342.88
150151104200450	M42	4,5	150	63	32,0	2945.85
150151104500450	M45	4,5	160	70	36,0	3268.54
150151105200500	M52	5,0	160	75	40,0	4607.49



4110

Tarozi pentru filetare manuala, pas normal, DIN 352, HSS-E (5% Co) VAP, 3 buc/set

- *tarozi pentru filetare manuala, filet metric, pas normal, DIN 352, HSS-E (5% Co) VAP, 3 buc/set*
- *material: HSS-E (5% Co), profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *tolerant 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate, aliate si inoxidabile σr ≤ 1000 N / mm²*
- *conul de atac :*
- *Nr1., 6-8 spire*
- *Nr2., 4-5 spire*
- *Nr3., 2-3 spire*
- *pentru gauri strapunse sau infundate*



BOHRCRAFT | 60° | 1000 N/mm² | M | DIN 352 | HSS-E Co5 | VAP | VA INOX | ISO2 6H

	M filet	Pas (mm)	Gaura (mm)	
41101100300	M 3	0,50	2,50	103.93
41101100400	M 4	0,70	3,30	106.89
41101100500	M 5	0,80	4,20	125.41
41101100600	M 6	1,00	5,00	129.84
41101100800	M 8	1,25	6,80	159.84
41101101000	M 10	1,50	8,50	210.33
41101101200	M 12	1,75	10,20	265.57
41101101400	M 14	2,00	12,00	272.46
41101101600	M 16	2,00	14,00	457.54
41101101800	M 18	2,50	15,50	470.33
41101102000	M 20	2,50	17,50	520.66

4200

Filiera pentru filet metric, pas normal, DIN 22568 (DIN 223 B) HSS-G

- *filiera pentru filet metric, pas normal, DIN 22568 (DIN 223 B) HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform DIN ISO 13*
- *tolerant 6g, conform ISO 2*
- *tip B, taiere pe dreapta*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, σr ≤ 800 N/mm²*



BOHRCRAFT | 800 N/mm² | M | DIN EN 22568 | HSS G | FORM B | Tol. 6g | 60°

	M filet	Pas (mm)	Diametru (mm)	
42001100300	M 3	0,50	20 x 5	25.57
42001100400	M 4	0,70	20 x 5	25.57
42001100500	M 5	0,80	20 x 5	27.54
42001100600	M 6	1,00	20 x 5	28.85
42001100800	M 8	1,25	25 x 9	32.79
42001101000	M 10	1,50	30 x 11	51.80
42001101200	M 12	1,75	38 x 14	85.74
42001101400	M 14	2,00	38 x 14	94.59
42001101600	M 16	2,00	45 x 18	140.98
42001101800	M 18	2,50	45 x 18	140.98
42001102000	M 20	2,50	45 x 18	140.98
42001102200	M 22	2,50	55 x 22	222.79
42001102400	M 24	3,00	55 x 22	222.79
42001102700	M 27	3,00	65 x 25	344.75
42001103000	M 30	3,50	65 x 25	344.75
42001103300	M 33	3,50	65 x 25	344.75
42001103600	M 36	4,00	65 x 25	344.75

1100411

Filiera pentru filet metric, pas normal, DIN 22568 (DIN 223 B) HSS-G

- *filiera pentru filet metric, pas normal, DIN 22568 (DIN 223 B) HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform DIN ISO 13*
- *toleranta 6g, conform ISO 2*
- *forma B, taiere pe dreapta*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 700 N / mm², aliaje de aluminiu*



TIVOLY | HSS | BRIGHT UNCOATED | EN 22568 | 16-75 | GUN B FORM | M

	Ø	P	L	l	
1100411020040	M2	0,4	5	16	195.66
1100411025045	M2,5	0,45	5	16	171.16
1100411030050	M3	0,5	5	20	158.99
1100411040070	M4	0,7	5	20	158.99
1100411050080	M5	0,8	7	20	149.12
1100411060100	M6	1,0	7	20	149.12
1100411070100	M7	1,0	9	25	188.25
1100411080125	M8	1,25	9	25	158.99
1100411090125	M9	1,25	9	25	207.76
1100411100150	M10	1,5	11	30	201.80
1100411110150	M11	1,5	11	30	250.62
1100411120175	M12	1,75	14	38	250.62
1100411140200	M14	2,0	14	38	250.62
1100411160200	M16	2,0	18	45	339.96
1100411180250	M18	2,5	18	45	349.43
1100411200250	M20	2,5	18	45	349.43
1100411220250	M22	2,5	22	55	503.60
1100411240300	M24	3,0	22	55	503.60
1100411270300	M27	3,0	25	65	719.91
1100411300350	M30	3,5	25	65	719.91
1100411330350	M33	3,5	25	65	855.49
1100411360400	M36	4,0	25	65	855.49
1100411390400	M39	4,0	30	75	1222.19
1100411420450	M42	4,5	30	75	1344.34

4210

Filiera pentru filet metric, pas normal, DIN 22568 (DIN 223 B) HSS-E (5% Co) VAP

- *filiera pentru filet metric pas normal, DIN 22568 (DIN 223 B) HSS-E (5% Co) VAP*
- *material HSS; tratament termic integral*
- *parametri filet conform DIN ISO 13*
- *tolerant 6g, conform ISO 2*
- *tip B, taiere pe dreapta*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri nealiate, aliate, inoxidabile, cu σr ≤ 1000 N / mm²*



BOHRCRAFT | Tol. 6g | 60° | 1000 N/mm² | M | DIN EN 22568 | HSS-E Co5 | VAP | VA INOX | FORM B

	M filet	Pas (mm)	Diametru (mm)	
42101100300	M 3	0,50	20 x 5	87.21
42101100400	M 4	0,70	20 x 5	87.21
42101100500	M 5	0,80	20 x 5	87.21
42101100600	M 6	1,00	20 x 5	87.21
42101100800	M 8	1,25	25 x 9	107.38
42101101000	M 10	1,50	30 x 11	153.28
42101101200	M 12	1,75	38 x 14	240.66
42101101400	M 14	2,00	38 x 14	241.80
42101101600	M 16	2,00	45 x 18	386.72
42101101800	M 18	2,50	45 x 18	386.72
42101102000	M 20	2,50	45 x 18	386.72

4209

Filiera pentru filet metric, pas normal, pe stanga, DIN 22568 (DIN 223 B) HSS-G

- *filiera pentru filet metric, pas normal, pe stanga, DIN 22568 (DIN 223 B) HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform DIN ISO 13*
- *toleranta 6g, conform ISO 2*
- *tip B, taiere pe stanga*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



BOHRCRAFT | 800 N/mm² | 60° | M | DIN EN 22568 | HSS G | LINKS LEFT | FORM B | Tol. 6g

	M filet	Pas (mm)	Diametru (mm)	
42091100300	M 3	0,50	20 x 5	60.33
42091100400	M 4	0,70	20 x 5	60.33
42091100500	M 5	0,80	20 x 5	63.77
42091100600	M 6	1,00	20 x 5	63.77
42091100800	M 8	1,25	25 x 9	68.36
42091101000	M 10	1,50	30 x 11	81.97
42091101200	M 12	1,75	38 x 14	104.43
42091101400	M 14	2,00	38 x 14	118.52
42091101600	M 16	2,00	45 x 18	169.34
42091101800	M 18	2,50	45 x 18	169.34
42091102000	M 20	2,50	45 x 18	169.34
42091102200	M 22	2,50	55 x 22	273.28
42091102400	M 24	3,00	55 x 22	273.28

4101

Tarozi pentru filetare manuala MF DIN 2181 HSS-G, pas fin, 2 buc/set

- *tarozi pentru filetare manuala, filet metric, pas fin, DIN 2181, HSS-G, 2 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*
- *conul de atac :*
- *Nr1., 5-6 spire*
- *Nr2., 2-3 spire*
- *pentru gauri strapunse sau infundate*



ISO2 6H | 60° | 800 N/mm² | BOHRCRAFT | MF | DIN 2181 | HSS G

	M filet	Pas (mm)	Diametru (mm)	
41011100303	MF 3	0,35	2,60	88.03
41011100405	MF 4	0,50	3,50	72.13
41011100505	MF 5	0,50	4,50	77.21
41011100607	MF 6	0,75	5,20	80.98
41011100807	MF 8	0,75	7,20	95.25
41011100810	MF 8	1,00	7,00	77.21
41011101010	MF 10	1,00	9,00	85.90
41011101012	MF 10	1,25	8,70	99.84

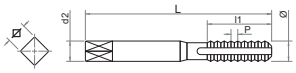
	M filet	Pas (mm)	Diametru (mm)	
41011101210	MF 12	1,00	11,00	101.64
41011101212	MF 12	1,25	10,70	112.13
41011101215	MF 12	1,50	10,50	101.64
41011101410	MF 14	1,00	13,00	141.15
41011101412	MF 14	1,25	12,70	141.15
41011101415	MF 14	1,50	12,50	121.97
41011101610	MF 16	1,00	15,00	161.64
41011101615	MF 16	1,50	14,50	153.61
41011101815	MF 18	1,50	16,50	176.89
41011102015	MF 20	1,50	18,50	221.15
41011102215	MF 22	1,50	20,50	279.18
41011102415	MF 24	1,50	22,50	293.44
41011102420	MF 24	2,00	22,00	368.69
41011102515	MF 25	1,50	23,50	631.97
41011102615	MF 26	1,50	24,50	631.97
41011102715	MF 27	1,50	25,50	631.97
41011102815	MF 28	1,50	26,50	842.46
41011103015	MF 30	1,50	28,50	987.38
41011103020	MF 30	2,00	28,00	987.38
41011103215	MF 32	1,50	30,50	987.38
41011103515	MF 35	1,50	33,50	1239.18
41011103615	MF 36	1,50	34,50	1305.74
41011103620	MF 36	2,00	34,00	1305.74
41011104015	MF 40	1,50	38,50	1478.20

1501521

Tarozi pentru filetare manuala MF DIN 2181 Forma C, HSS-G, pas fin, 2 buc/set

- *tarozi pentru filetare manuala, filet metric, pas fin, DIN 2181, HSS-G, 2 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, pentru gauri strapunse*
- *destinate pentru filetare in oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 950 N / mm²*





TIVOLY

MF | HSS | BRIGHT UNCOATED | DIN 2181 | x2 SET | C FORM | 6H

	Ø	P	L	l	d2	
150152100400050	MF4	0,5	50	14,5	6	160.60
150152100500050	MF5	0,5	50	11	6	171.50
150152100600050	MF6	0,5	50	14	6	134.09
150152100600075	MF6	0,75	50	14	6	103.57
150152100700075	MF7	0,75	50	19	6	122.04
150152100800075	MF8	0,75	50	18	6	139.94
150152100800100	MF8	1,0	56	22	6	103.51
150152101000100	MF10	1,0	63	18	7	110.91
150152101000125	MF10	1,25	70	24	7	112.34
150152101100100	MF11	1,0	63	20	8	195.20
150152101200100	MF12	1,0	70	20	9	193.65
150152101200125	MF12	1,25	70	20	9	193.99
150152101200150	MF12	1,5	70	20	9	165.48
150152101400100	MF14	1,0	70	22	11	290.10
150152101400125	MF14	1,25	0	22	11	255.39
150152101400150	MF14	1,5	70	22	11	198.52
150152101600100	MF16	1,0	70	22	12	406.40
150152101600150	MF16	1,5	70	22	12	248.27
150152101800100	MF18	1,0	80	22	14	451.50
150152101800150	MF18	1,5	80	22	14	328.43
150152101800200	MF18	2,0	80	22	14	481.85
150152102000100	MF20	1,0	80	22	16	598.39
150152102000150	MF20	1,5	80	22	16	411.34
150152102000200	MF20	2,0	80	22	16	501.88
150152102200150	MF22	1,5	80	22	18	448.52
150152102200200	MF22	2,0	80	22	18	670.57
150152102400150	MF24	1,5	90	22	18	572.22
150152102400200	MF24	2,0	90	22	18	750.03
150152102700150	MF27	1,5	90	22	20	941.67
150152102700200	MF27	2,0	90	22	18	1039.44
150152103000150	MF30	1,5	90	22	22	977.65
150152103000200	MF30	2,0	90	22	22	1127.11

4202

Filiera pentru filet metric, pas fin, DIN 22568 (DIN 223 B) HSS-G

- *filiera pentru filet metric, pas fin, DIN 22568 (DIN 223 B) HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform DIN ISO 13*
- *toleranta 6g, conform ISO 2*
- *tip B, taiere pe dreapta*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, σr ≤ 800 N/mm²*



BOC BOHRCRAFT

800 N/mm²

MF | DIN EN 22568 | HSS G | FORM B | Tol. 6g | 60°

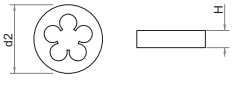
	M filet	Pas (mm)	Diametru (mm)	
42021100607	MF 6	0,75	20 x 7	57.05
42021100807	MF 8	0,75	25 x 9	60.33
42021100810	MF 8	1,00	25 x 9	58.36
42021101010	MF 10	1,00	30 x 11	75.57
42021101012	MF 10	1,25	30 x 11	79.02
42021101210	MF 12	1,00	38 x 10	95.41
42021101212	MF 12	1,25	38 x 10	95.41
42021101215	MF 12	1,50	38 x 10	95.41
42021101412	MF 14	1,25	38 x 10	114.10
42021101415	MF 14	1,50	38 x 10	103.77
42021101615	MF 16	1,50	45 x 14	146.39
42021101815	MF 18	1,50	45 x 14	146.39
42021102015	MF 20	1,50	45 x 14	149.34
42021102215	MF 22	1,50	55 x 16	247.70
42021102415	MF 24	1,50	55 x 16	247.70
42021102420	MF 24	2,00	55 x 16	247.70
42021102515	MF 25	1,50	55 x 16	333.28
42021102615	MF 26	1,50	55 x 16	377.05
42021102715	MF 27	1,50	65 x 18	377.05
42021102815	MF 28	1,50	65 x 18	377.05
42021103015	MF 30	1,50	65 x 18	377.05
42021103020	MF 30	2,00	65 x 18	377.05
42021103215	MF 32	1,50	65 x 18	377.05
42021103515	MF 35	1,50	65 x 18	377.05
42021103615	MF 36	1,50	65 x 18	377.05
42021103620	MF 36	2,00	65 x 18	377.05
42021104015	MF 40	1,50	75 x 20	494.26

1100441

Filiera pentru filet metric, pas fin, DIN 22568 (DIN 223 B) HSS-G

- *filiera pentru filet metric, pas fin, DIN 22568 (DIN 223 B) HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform DIN ISO 13*
- *toleranta 6g, conform ISO 2*
- *forma B, taiere pe dreapta*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 700 N / mm², aliaje de aluminiu*





TIVOLY

HSS | BRIGHT UNCOATED | EN 22568 | 25-65 | GUN B FORM | MF

	Ø	P	L	l	
1100441080100	MF8	1,0	9	25	190.72
1100441100100	MF10	1,0	11	30	245.75
1100441100125	MF10	1,25	11	30	249.36

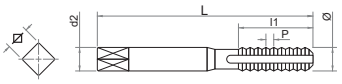
	Ø	P	L	l	
1100441120100	MF12	1,0	10	38	281.03
1100441120125	MF12	1,25	10	38	311.67
1100441120150	MF12	1,5	10	38	273.75
1100441140100	MF14	1,0	10	38	294.69
1100441140125	MF14	1,25	10	38	315.46
1100441140150	MF14	1,5	10	38	305.48
1100441160150	MF16	1,5	14	45	388.61
1100441180150	MF18	1,5	14	45	393.61
1100441200150	MF20	1,5	14	45	400.95
1100441220150	MF22	1,5	16	55	534.01
1100441240150	MF24	1,5	16	55	562.75
1100441300150	MF30	1,5	16	65	756.63

9531021

Tarozi pentru filetare manuala, filet GAZ (BSP), DIN 5157 HSS-G, 2 buc/set

- *tarozi pentru filetare manuala, filet GAZ (BSP, British Standard Pipe), DIN 5157 HSS-G, 2 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 228/1 (DIN 259)*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 55°*
- *pentru filetare in oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 950 N / mm²*
- *pentru gauri strapunse sau infundate*





TIVOLY

HSS | BRIGHT UNCOATED | DIN 5157 | x2 SET | BSP G

	Ø	P	L	l	d2	
953102100180280	1/8"	28	63	18	7	175.86
953102100140190	1/4"	19	70	20	11	247.64
953102100380190	3/8"	19	70	20	12	311.10
953102100120140	1/2"	14	80	22	16	436.35
953102100580140	5/8"	14	80	22	18	558.51
953102100340140	3/4"	14	90	22	20	681.24
953102100780140	7/8"	14	90	22	22	908.45
953102110000110	1"	11	100	25	25	1080.07
953102110180110	1"1/8	11	125	32	28	1538.97
953102110140110	1"1/4	11	125	32	32	1693.77
953102110380110	1"3/8	11	125	32	36	2277.81
953102110120110	1"1/2	11	140	32	36	2559.82
953102120000110	2"	11	160	36	45	4670.95



4102

Tarozi pentru filetare manuala, filet GAZ (BSP), DIN 5157 HSS-G, 2 buc/set

- *tarozi pentru filetare manuala, filet GAZ (BSP, British Standard Pipe), DIN 5157 HSS-G, 2 bucati / set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 228/1 (DIN 259), toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 55°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*
- *conul de atac :*
- *Nr1., 5-6 spire*
- *Nr2., 2-3 spire*
- *pentru gauri strapunse sau infundate*



55° | 800 N/mm² | BSP G | DIN 5157 | HSS G

	G/BSP	PAS	GAURA (mm)	
41021100018	G 1/8"	28	8,80	86.89
41021100014	G 1/4"	19	11,80	96.39
41021100038	G 3/8"	19	15,25	142.46
41021100012	G 1/2"	14	19,00	193.11
41021100058	G 5/8"	14	21,00	289.18
41021100034	G 3/4"	14	24,50	289.18
41021100100	G 1"	11	30,75	491.48

4203

Filiera rotunda pentru filet GAZ (BSP), conform DIN 24231, (forma conform DIN 5158), HSS-G

- *filiera pentru filet GAZ, DIN EN 24231 (DIN 228/1) forma B, HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform DIN ISO 228/1*
- *tip B, taiere pe dreapta*
- *unghiul flancurilor filetului 55°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



FORM B | 55° | 800 N/mm² | BSW | DIN EN 22568 | HSS G

	G/BSP filet	Pas (mm)	Diametru (mm)	
42031100018	G 1/8"	28	30 x 11	127.38
42031100014	G 1/4"	19	38 x 10	127.38
42031100038	G 3/8"	19	45 x 14	169.02
42031100012	G 1/2"	14	45 x 14	167.54
42031100058	G 5/8"	14	55 x 16	266.07
42031100034	G 3/4"	14	55 x 16	279.34
42031100100	G 1"	11	65 x 18	367.54

1100491

Filiera rotunda pentru filet GAZ (BSP), conform DIN 24231, (forma conform DIN 5158), HSS-G

- *filiera pentru filet GAZ, DIN EN 24231 (DIN 228/1) forma B, HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform DIN ISO 228/1*
- *forma B, taiere pe dreapta*
- *unghiul flancurilor filetului 55°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 700 N / mm², aliaje de aluminiu*





TIVOLY

HSS | BRIGHT UNCOATED | EN 24231 | 30-90 | GUN B FORM | BSP G

	Ø	P	L	l	
11004910108	G1/8"	28	11	30	209.02
11004910104	G1/4"	19	10	38	219.81
11004910308	G3/8"	19	14	45	304.21
11004910102	G1/2"	14	14	45	304.21
11004910508	G5/8"	14	16	55	473.93
11004910304	G3/4"	14	16	55	408.30
11004910708	G7/8"	14	18	65	616.46
11004911000	G1"	11	18	65	616.46
11004911104	G1.1/4"	11	20	75	980.23
11004911102	G1.1/2"	11	22	90	1534.95

4120

Tarozi pentru filetare dintr-o singura operatie DIN 352 HSS-G, unici

- *tarozi pentru utilizare manuala sau pe masina, filet metric, pas normal, DIN 352, HSS-G, unic (o trcere)*
- *material: HSS, tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma B, taiere pe dreapta*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*
- *conul de atac : 4-5 spire*
- *pentru gauri strapunse*



60° | 800 N/mm² | M | DIN 352 | HSS G | FORM B | ISO2 6H

	M filet	PAS(mm)	GAURA(mm)	
41200300300	M 3	0,50	2,50	17.38
41200300400	M 4	0,70	3,30	17.38
41200300500	M 5	0,80	4,20	18.36
41200300600	M 6	1,00	5,00	19.51
41200300800	M 8	1,25	6,80	26.39
41200301000	M 10	1,50	8,50	30.16
41200301200	M 12	1,75	10,20	39.67

4103

Tarozi pentru filetare manuala, filet BSW, similar DIN 352, HSS-G, 3 buc/set

- *tarozi pentru filetare manuala, filet BSW (Britisch Standard Whitworth),*
- *similar DIN 352, HSS-G, 3 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform BS84*
- *unghiul flancurilor filetului 55°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*
- *conul de atac :*
- *Nr1., 6-8 spire*
- *Nr2., 4-5 spire*
- *Nr3., 2-3 spire*
- *pentru gauri strapunse sau infundate*



HSS G | 55° | 800 N/mm² | BSW | ~DIN 352

	BSW filet	Pas (mm)	Gaura (mm)	
41031100018	W 1/8	40	2,60	108.36
41031100532	W 5/32	32	3,10	108.36
41031100316	W 3/16	24	3,60	108.36
41031100014	W 1/4	20	5,10	108.36
41031100516	W 5/16	18	6,50	119.51
41031100038	W 3/8	16	7,90	135.90
41031100716	W 7/16	14	9,30	169.51
41031100012	W 1/2	12	10,50	202.95
41031100916	W 9/16	12	12,00	264.10
41031100058	W 5/8	11	13,50	300.16
41031100034	W 3/4	10	16,50	397.38
41031100078	W 7/8	9	19,25	536.07
41031100100	W 1	8	22,00	611.15

4205

Filiera pentru filet BSW, conform DIN 22568 HSS-G

- *filiera pentru filet BSW (Britisch Standard Whitworth), similar DIN EN 22568, HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform BS 84*
- *forma B, taiere pe dreapta*
- *unghiul flancurilor filetului 55°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



BSW | DIN EN 22568 | HSS G | FORM B | 55° | 800 N/mm²

	BSW filet	Pas (mm)	Diametru (mm)	
42051100018	W 1/8	40	3,09	84.43
42051100532	W 5/32	32	3,88	84.43
42051100316	W 3/16	24	4,46	84.43
42051100014	W 1/4	20	6,17	84.43
42051100516	W 5/16	18	7,76	84.43
42051100038	W 3/8	16	9,30	102.79
42051100716	W 7/16	14	10,90	102.79
42051100012	W 1/2	12	12,44	113.44
42051100916	W 9/16	12	14,02	149.84
42051100058	W 5/8	11	15,62	207.54
42051100034	W 3/4	10	18,76	207.54
42051100078	W 7/8	9	21,90	328.36
42051100100	W 1	8	25,08	328.36

9511011

Tarozi pentru filetare manuala, filet BSW, similar DIN 352, HSS-G, 3 buc/set

- *tarozi pentru filetare manuala, filet BSW (Britisch Standard Whitworth), similar DIN 352, HSS-G, 3 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform BS84*
- *unghiul flancurilor filetului 55°*
- *pentru filetare in oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 950 N / mm²*
- *pentru gauri strapunse*





TIVOLY

HSS | BRIGHT UNCOATED | DIN 352 | x3 SET | BSW

	Ø	P	L	l	d2	
951101100180400	1/8"	40	40	11	3,5	146.14
951101100532320	5/32"	32	45	13	4,5	146.14
951101100316240	3/16"	24	50	16	6	146.14
951101100732240	7/32"	24	50	18	6	217.00
951101100140200	1/4"	20	56	22	6	166.28
951101100516180	5/16"	18	63	25	6	197.78
951101100380160	3/8"	16	70	28	7	218.66
951101100716140	7/16"	14	75	30	8	286.60
951101100120120	1/2"	12	80	32	9	316.66
951101100916120	9/16"	12	80	32	9	419.14
951101100580110	5/18"	0	0	0	0	489.60
951101100340100	3/4"	10	105	40	14	699.94
951101100780090	7/8"	9	110	45	18	872.13
951101110000080	1"	8	110	50	20	1068.82
951101110140070	1.1/4"	7	125	56	25	1897.80

4104

Tarozi pentru filetare manuala, filet UNC, similar DIN 352, HSS-G, 3 buc/set

- *tarozi pentru filetare manuala, filet UNC, similar DIN 352, HSS-G, 3 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform ANSI B1.1*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*
- *conul de atac :*
- *Nr1., 6-8 spire*
- *Nr2., 4-5 spire*
- *Nr3., 2-3 spire*
- *pentru gauri strapunse sau infundate*



HSS G | Tol. 2B | 60° | 800 N/mm²

UNC | ~DIN 352

BOHRCRAFT

	UNC filet	Pas (mm)	Gaura (mm)	
41041100632	Nr. 6	32	2,85	90.61
41041100832	Nr. 8	32	3,50	90.61
41041101024	Nr. 10	24	3,90	90.61
41041101224	Nr. 12	24	4,50	93.08
41041100014	1/4"	20	5,20	68.57
41041100516	5/16"	18	6,60	74.58
41041100038	3/8"	16	8,00	84.60
41041100716	7/16"	14	9,40	105.71
41041100012	1/2"	13	10,80	143.62
41041100916	9/16"	12	12,20	165.19
41041100058	5/8"	11	13,50	216.05
41041100034	3/4"	10	16,50	262.43
41041100078	7/8"	9	19,50	372.46
41041100100	1"	8	22,25	474.01

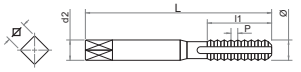
9521011

Tarozi pentru filetare manuala, filet UNC, similar DIN 352, HSS-G, 3 buc/set

- *tarozi pentru filetare manuala, filet UNC, similar DIN 352, HSS-G, 3 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform ANSI B1.1*
- *toleranta 6H*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 950 N / mm²*
- *pentru gauri strapunse*



TIVOLY



UNC

HSS | BRIGHT UNCOATED | DIN 352 | x3 SET | 6H

	Ø	P	L	l	d2	
952101100002560	N°2	56	36	10	2,8	308.92
952101100003480	N°3	48	40	11	3,5	302.95
952101100004400	N°4	40	40	11	3,5	264.16
952101100005400	N°5	40	40	11	3,5	252.63
952101100006320	N°6	32	45	13	4	252.63
952101100008320	N°8	32	45	13	4	252.63
952101100010240	N°10	24	350	16	2,6	247.64
952101100012240	N°12	24	50	18	6	247.64
952101100140200	1/4"	20	56	22	6	210.23
952101100516180	5/16"	18	63	25	6	243.22
952101100380160	3/8"	16	70	28	7	274.26
952101100716140	7/16"	14	75	30	8	357.17
952101100120130	1/2"	13	80	32	9	411.16
952101100916120	9/16"	12	80	32	12	475.77
952101100580110	5/8"	11	90	36	12	662.76
952101100340100	3/4"	10	105	40	14	893.53
952101100780090	7/8"	9	110	45	18	1100.66
952101110000080	1"	8	110	50	20	1486.35

4206

Filiera filet UNC, similar DIN 22568 HSS-G

- *filiera pentru filet UNC, similar DIN EN 22568, HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform ANSI B1.1*
- *forma B, taiere pe dreapta, toleranta 2A*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



BOHRCRAFT

UNC | DIN EN 22568 | HSS G | FORM B | Tol. 2A | 60° | 800 N/mm²

	UNC filet	Pas (mm)	Diametru (mm)	
42061100632	Nr. 6	32	3,41	89.84
42061100832	Nr. 8	32	4,07	89.84
42061101024	Nr. 10	24	4,71	89.84
42061101224	Nr. 12	24	5,37	89.84
42061100014	1/4"	20	6,22	74.43
42061100516	5/16"	18	7,80	89.84
42061100038	3/8"	16	9,37	95.41
42061100716	7/16"	14	10,95	103.28
42061100012	1/2"	13	12,52	122.95
42061100916	9/16"	12	14,10	143.61
42061100058	5/8"	11	15,68	203.11
42061100034	3/4"	10	18,84	203.11
42061100078	7/8"	9	22,00	328.36
42061100100	1"	8	25,16	328.36

1100471

Filiera pentru filet UNC, similar DIN 22568 HSS-G

- *filiera pentru filet UNC, similar DIN EN 22568, HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform ANSI B1.1*
- *forma B, taiere pe dreapta, toleranta 2A*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu+ σr ≤ 700 N / mm², aliaje de aluminiu*





TIVOLY

HSS | BRIGHT UNCOATED | EN 22568 | 20-45 | GUN B FORM | UNC

	Ø	P	L	l	
11004710005	UNC5	40	5	20	148.32
11004710006	UNC6	32	5	20	142.41
11004710008	UNC8	32	5	20	140.34
11004710010	UNC10	24	7	20	146.25
11004710012	UNC12	24	7	20	148.32
11004710104	UNC1/4	20	7	20	146.25
11004710516	UNC5/16	18	9	25	157.16
11004710308	UNC3/8	16	11	30	197.38
11004710716	UNC7/16	14	11	30	197.38
11004710102	UNC1/2	13	14	38	225.78
11004710304	UNC3/4	10	18	45	322.06

4105

Tarozi pentru filetare manuala, filet UNF, similar DIN 2181, HSS-G, 2 buc/set

- *tarozi pentru filetare manuala, filet UNF, similar DIN 2181, HSS-G, 2 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform ANSI B1.1*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*
- *conul de atac :*
- *Nr1., 5-6 spire*
- *Nr2., 2-3 spire*
- *pentru gauri strapunse sau infundate*



BOHRCRAFT

UNF | ~DIN 2181 | HSS G | Tol. 2B | 60°

	UNF filet	Pas (mm)	Gaura (mm)	
41051100640	Nr. 6	40	3,00	82.62
41051100836	Nr. 8	36	3,50	82.62
41051101032	Nr. 10	32	4,10	82.62
41051101228	Nr. 12	28	4,70	82.62
41051100014	1/4"	28	5,50	72.95
41051100516	5/16"	24	6,90	80.98
41051100038	3/8"	24	8,50	87.21
41051100716	7/16"	20	9,90	101.31
41051100012	1/2"	20	11,50	121.80
41051100916	9/16"	18	12,90	149.84
41051100058	5/8"	18	14,50	185.57
41051100034	3/4"	16	17,50	222.46
41051100078	7/8"	14	20,25	315.90
41051100100	1"	12	23,25	401.80

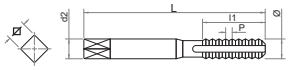
9521021

Tarozi pentru gauri strapunse DIN 2181 UNF, HSS, 2 buc/set

- *tarozi pentru filetare manuala, filet UNF, similar DIN 2181, HSS-G, 2 buc/set*
- *material: HSS, profil filet rectificat detalonat*
- *parametri filet conform ANSI B1.1*
- *toleranta 6H*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate, aliate si pentru tratament termic cu σr ≤ 950 N / mm²*
- *pentru gauri strapunse*



TIVOLY



HSS | BRIGHT UNCOATED | DIN 2181 | x2 SET | 6H | UNF

	Ø	P	L	l	d2	
952102100003560	N°3	56	40	11	3,5	284.93
952102100004480	N°4	48	40	11	3,5	196.86
952102100005440	N°5	44	40	11	3,5	196.86
952102100006400	N°6	40	45	13	4	187.97
952102100008360	N°8	36	45	13	4	187.97
952102100010320	N°10	32	50	16	6	189.86
952102100012280	N°12	28	50	18	6	196.86
952102100140280	1/4"	28	56	22	6	142.18
952102100516240	5/16"	24	63	25	6	155.43
952102100380240	3/8"	24	70	25	7	175.92
952102100716200	7/16"	20	75	30	8	233.52
952102100120200	1/2"	20	80	32	9	238.80
952102100916180	9/16"	18	90	32	12	311.27
952102100580180	5/8"	18	90	32	12	401.87
952102100340160	3/4"	16	105	35	14	539.98
952102100780140	7/8"	14	110	35	18	693.75
952102110000120	1"	12	110	35	20	911.09

4207

Filiera pentru filet UNF, conform DIN 22568 HSS-G

- *filiera pentru filet UNF, similar DIN EN 22568, HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform ANSI B1.1*
- *forma B, taiere pe dreapta, toleranta 2A*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



BOHRCRAFT

UNF | DIN EN 22568 | HSS G | FORM B | Tol. 2A | 60° | 800 N/mm²

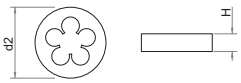
	UNF filet	Pas (mm)	Diametru (mm)	
42071100640	Nr. 6	40	3,42	89.84
42071100836	Nr. 8	36	4,08	89.84
42071101032	Nr. 10	32	4,73	89.84
42071101228	Nr. 12	28	5,38	89.84
42071100014	1/4"	28	6,24	89.84
42071100516	5/16"	24	7,82	89.84
42071100038	3/8"	24	9,41	104.26
42071100716	7/16"	20	10,98	104.26
42071100012	1/2"	20	12,56	135.08
42071100916	9/16"	18	14,14	143.61
42071100058	5/8"	18	15,73	203.11
42071100034	3/4"	16	18,89	203.11
42071100078	7/8"	14	22,05	328.36
42071100100	1"	12	25,21	328.36

1100481

Filiera pentru filet UNF, conform DIN 22568 HSS-G

- *filiera pentru filet UNF, similar DIN EN 22568, HSS-G*
- *material HSS; tratament termic integral*
- *parametri filet conform ANSI B1.1*
- *forma B, taiere pe dreapta, toleranta 2A*
- *unghiul flancurilor filetului 60°*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 700 N / mm², aliaje de aluminiu*





TIVOLY

HSS | BRIGHT UNCOATED | EN 22568 | 20-45 | GUN B FORM | UNF

	Ø	P	L	l	
11004810005	UNF5	44	5	20	148.32
11004810006	UNF6	40	5	20	142.41
11004810008	UNF8	36	5	20	142.41
11004810010	UNF10	32	7	20	146.25
11004810012	UNF12	28	7	20	148.32
11004810104	UNF1/4	28	7	20	146.25
11004810516	UNF5/16	24	9	25	157.16
11004810308	UNF3/8	24	11	30	197.38
11004810716	UNF7/16	20	11	30	197.38
11004810102	UNF1/2	20	10	38	225.78
11004810304	UNF3/4	16	11	45	322.06

4140

Tarozi lungi de masina DIN 371, HSS-G, pentru gauri strapunse

- *tarozi lungi de masina DIN 371, HSS-G, pentru gauri strapunse*
- *material: HSS, tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma B, taiere pe dreapta*
- *conul de atac : 4-5 spire*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



60° | 800 N/mm² | FORM B

BOHRCRAFT

M | DIN 371/376 | HSS G | ISO2 6H

	M filet	Pas (mm)	Gaura (mm)	
41400300300	M 3	0,50	2,50	38.85
41400300400	M 4	0,70	3,30	38.85
41400300500	M 5	0,80	4,20	41.80
41400300600	M 6	1,00	5,00	41.80
41400300800	M 8	1,25	6,80	52.46
41400301000	M 10	1,50	8,50	59.67

4141

Tarozi lungi de masina DIN 376, HSS-G, pentru gauri strapunse

- *tarozi lungi de masina DIN 376, HSS-G, pentru gauri strapunse*
- *material: HSS, tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma B, taiere pe dreapta*
- *conul de atac : 4-5 spire*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



60° | 800 N/mm² | FORM B

BOHRCRAFT

M | DIN 371/376 | HSS G | ISO2 6H

	M filet	Pas (mm)	Gaura (mm)	
41410301200	M 12	1,75	10,20	74.92
41410301400	M 14	2,00	12,00	89.51
41410301600	M 16	2,00	14,00	103.93
41410301800	M 18	2,50	15,50	148.03
41410302000	M 20	2,50	17,50	155.25
41410302200	M 22	2,50	19,50	207.54
41410302400	M 24	3,00	21,00	226.89

4150

Tarozi lungi de masina DIN 371 HSS-G, pentru gauri infundate si strapunse

- *tarozi lungi de masina DIN 371, HSS-G, pentru gauri infundate si strapunse*
- *material: HSS, tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, canale elicoidale RSP / 35°, taiere pe dreapta*
- *conul de atac : 2-3 spire*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



BOHRCRAFT

FORM C | RSP 35°

M | DIN 371/376 | HSS G | ISO2 6H | 60° | 800 N/mm²

	M filet	Pas (mm)	Gaura (mm)	
41500300300	M 3	0,50	2,50	46.07
41500300400	M 4	0,70	3,30	46.07
41500300500	M 5	0,80	4,20	47.38
41500300600	M 6	1,00	5,00	49.02
41500300800	M 8	1,25	6,80	59.67
41500301000	M 10	1,50	8,50	69.51

4151

Tarozi lungi de masina DIN 376, HSS-G, pentru gauri strapunse si infundate

- *tarozi lungi de masina DIN 376, HSS-G, pentru gauri strapunse si infundate*
- *material: HSS, tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, canale elicoidale RSP / 35º, taiere pe dreapta*
- *conul de atac : 2-3 spire*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



BOHRCRAFT | FORM C | RSP 35° | M | DIN 371/376 | HSS G | ISO2 6H | 60° | 800 N/mm²

	M filet	Pas (mm)	Gaura (mm)	
41510301200	M 12	1,75	10,20	89.51
41510301400	M 14	2,00	12,00	106.72
41510301600	M 16	2,00	14,00	124.75
41510301800	M 18	2,50	15,50	170.49
41510302000	M 20	2,50	17,50	180.66
41510302200	M 22	2,50	19,50	221.64
41510302400	M 24	3,00	21,00	266.89

4142

Tarozi lungi de masina DIN 371, HSS-E (Co 5%), pentru gauri strapunse

- *tarozi lungi de masina DIN 371, HSS-E (Co 5%), pentru gauri strapunse*
- *material: HSS-E (Co 5%), tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma B, taiere pe dreapta*
- *conul de atac : 4-5 spire*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 900 N / mm²*



BOHRCRAFT | FORM B | M | DIN 371/376 | HSS-E Co5 | ISO2 6H | 60° | 900 N/mm²

	M filet	Pas (mm)	Gaura (mm)	
41420300200	M 2	0,40	1,60	61.31
41420300250	M 2,5	0,45	2,05	49.51
41420300300	M 3	0,50	2,50	48.52
41420300400	M 4	0,70	3,30	48.52
41420300500	M 5	0,80	4,20	52.62
41420300600	M 6	1,00	5,00	52.62
41420300800	M 8	1,25	6,80	65.08
41420301000	M 10	1,50	8,50	80.66

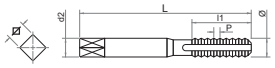


9602011

Tarozi lungi de masina, pas normal / fin, DIN 371, HSS-E (Co 5%), pentru gauri strapunse

- *tarozi lungi de masina, pas normal / fin, DIN 371,*
- *material: HSS-E (Co 5%), tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, taiere pe dreapta*
- *pentru gauri strapunse*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 700 N / mm²*





TIVOLY | M MF | HSS E | BRIGHT UNCOATED | DIN 371 | C FORM | 6H

	Ø	P	L	l	d2	
960201100200040	M2	0,4	45	8	2,8	98.11
960201100250045	M2,5	0,45	50	9	2,8	99.72
960201100260045	M2,6	0,45	50	9	2,8	99.72
960201100300050	M3	0,5	56	10	3,5	74.76
960201100350060	M3,5	0,6	56	11	4	89.74
960201100400070	M4	0,7	63	12	4,5	75.91
960201100500080	M5	0,8	70	14	6	75.91
960201100600100	M6	1,0	80	16	6	86.41
960201100800125	M8	1,25	90	18	8	96.97
960201101000150	M10	1,5	100	20	10	110.85
960201100400050	MF4	0,5	63	10	4,5	142.12
960201100500050	MF5	0,5	70	11	6	143.61
960201100700075	MF7	0,75	80	16	7	150.73
960201100800075	MF8	0,75	90	18	8	140.52
960201100800100	MF8	1,0	90	18	8	116.99
960201101000100	MF10	1,25	100	20	10	127.20
960201101000125	MF10	1,25	100	20	10	148.55

4152

Tarozi lungi de masina DIN 371, HSS-E (Co 5%), pentru gauri infundate si strapunse

- *tarozi lungi de masina DIN 371, HSS-E (Co 5%), gauri infundate si strapunse*
- *material: HSS-E (Co 5%), tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, canale elicoidale RSP / 35º, taiere pe dreapta*
- *conul de atac : 2-3 spire*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 900 N / mm²*



BOHRCRAFT | FORM C | RSP 35° | M | DIN 371/376 | HSS-E Co5 | ISO2 6H | 60° | 900 N/mm²

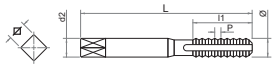
	M filet	Pas (mm)	Gaura (mm)	
41520300300	M 3	0,50	2,50	57.05
41520300400	M 4	0,70	3,30	57.05
41520300500	M 5	0,80	4,20	59.34
41520300600	M 6	1,00	5,00	60.98
41520300800	M 8	1,25	6,80	75.41
41520301000	M 10	1,50	8,50	92.13

9603011

Tarozi lungi de masina, pas normal / fin, DIN 374/376, HSS-E (Co 5%), Forma C

- *tarozi lungi de masina, pas normal / fin, DIN 374/376,*
- *material: HSS-E (Co 5%), tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, taiere pe dreapta*
- *pentru gauri strapunse*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 700 N / mm²*





TIVOLY | M MF | HSS E | BRIGHT UNCOATED | DIN 374/376 | C FORM | 6H

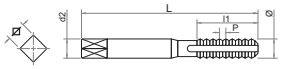
	Ø	P	L	l	d2	DIN	
960301100300050	M3	0,4	45	8	2,2	376	76.31
960301100400070	M4	0,7	63	12	2,8	376	77.80
960301100500080	M5	0,8	70	14	3,5	376	77.80
960301100600100	M6	1,0	80	16	4,5	376	89.68
960301100800125	M8	1,25	90	18	6	376	100.75
960301101000150	M10	1,5	100	20	7	376	114.81
960301101200175	M12	1,75	110	22	9	376	143.16
960301101400200	M14	2,0	10	25	11	376	184.70
960301101600200	M16	2,0	110	28	12	376	221.53
960301102000250	M20	2,5	140	32	16	376	339.04
960301102400300	M24	3,0	160	32	18	376	491.43
960301103000350	M30	3,5	180	40	22	376	785.89
960301103300350	M33	3,5	180	40	25	376	935.25
960301103600400	M36	4,0	200	45	28	376	1192.87
960301103900400	M39	4,0	200	45	32	376	1526.23
960301104200450	M42	4,5	200	50	32	376	1982.26
960301104500450	M45	4,5	220	50	36	376	2143.89
960301104800500	M48	5,0	250	56	36	376	2636.25
960301100600075	MF6	0,75	80	12	4,5	376	118.02
960301100800100	MF8	1,0	90	18	8	374	121.30
960301101000100	MF10	1,0	90	18	7	374/376	134.43
960301101000125	MF10	1,25	100	20	7	374/376	177.52
960301101200100	MF12	1,0	100	22	9	374/376	177.52
960301101200125	MF12	1,25	100	22	9	374/376	175.98
960301101200150	MF12	1,5	100	22	9	374/376	160.66
960301101300100	MF13	1,0	100	22	9	374/376	313.91
960301101400100	MF14	1,0	100	22	11	374/376	267.38
960301101400150	MF14	1,5	100	22	11	374/376	189.63
960301101500100	MF15	1,0	100	22	11	374/376	352.87
960301101600100	MF16	1,0	100	22	12	374/376	339.04
960301101600125	MF16	1,25	100	22	12	374/376	370.14
960301101600150	MF16	1,5	110	22	12	374/376	237.20
960301101800150	MF18	1,5	110	22	12	374/376	296.70
960301102000100	MF20	1,0	125	25	14	374/376	496.43
960301102000150	MF20	1,0	125	25	16	374/376	335.77
960301102200100	MF22	1,0	125	25	18	374/376	578.65
960301102200150	MF22	1,5	125	25	18	374/376	404.62
960301102400200	MF24	2,0	140	25	18	374/376	634.42
960301102500150	MF25	1,5	140	25	18	374/376	773.67
960301102700200	MF27	2,0	140	25	18	374/376	871.21
960301103000200	MF30	2,0	150	32	22	374/376	944.60
960301103200150	MF32	1,5	150	28	28	374/376	965.48
960301103600150	MF36	1,5	170	32	28	374/376	1256.96
960301104000150	MF40	1,5	170	32	32	374/376	1685.51

960ST21

Tarozi lungi de masina, pas normal / fin, DIN 371/376/374, HSS-E (Co 5%) Forma B, TiN

- *tarozi lungi de masina, pas normal / fin, DIN 371/376/374,*
- *material: HSS-E (Co 5%), tratament termic, acoperire TiN,*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma B, taiere pe dreapta*
- *pentru gauri strapunse*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 1400 N / mm²*





TIVOLY | M MF | HSS E | TiN COATED | DIN 371/374 376 | GUN | GUN B FORM | 6H

	Ø	P	L	l	d2	DIN	
960ST2100300050	M3	0,5	56	10	3,5	371	**99.26**
960ST2100400070	M4	0,7	63	12	4,5	371	**101.33**
960ST2100500080	M5	0,8	70	14	6	371	**101.33**
960ST2100600100	M6	1,0	80	16	6	371	**109.36**
960ST2100800125	M8	1,25	90	18	8	371	**125.54**
960ST2101000150	M10	1,5	100	20	10	371	**158.99**
960ST2101200175	M12	1,75	110	22	9	376	**204.95**
960ST2101400200	M14	2,0	110	25	11	376	**251.89**
960ST2101600200	M16	2,0	110	28	12	376	**292.45**
960ST2100800100	MF8	1,0	90	18	8	371	**140.75**
960ST2101000100	MF10	1,0	90	18	10	371	**178.04**
960ST2101200150	MF12	1,5	100	22	9	374	**219.30**
960ST2101400150	MF14	1,5	100	22	11	374	**269.67**

4143

Tarozi lungi de masina DIN 376, HSS-E (Co 5%), pentru gauri strapunse

- *tarozi lungi de masina DIN 376, HSS-E (Co 5%), pentru gauri strapunse*
- *material: HSS-E (Co 5%), tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma B, taiere pe dreapta*
- *conul de atac : 4-5 spire*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 900 N / mm²*



BOHRCRAFT | FORM B | M | DIN 371/376 | HSS-E Co5 | ISO2 6H | 60° | 900 N/mm²

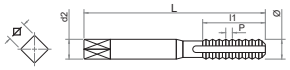
	M filet	Pas (mm)	Gaura (mm)	■	
41430300300	M 3	0,50	2,50	-	**49.84**
41430300400	M 4	0,70	3,30	2,1	**50.98**
41430300500	M 5	0,80	4,20	2,7	**50.98**
41430300600	M 6	1,00	5,00	3,4	**52.95**
41430300800	M 8	1,25	6,80	4,9	**74.75**
41430301000	M 10	1,50	8,50	5,5	**92.62**
41430301200	M 12	1,75	10,20	7,0	**93.61**
41430301400	M 14	2,00	12,00	9,0	**128.20**
41430301600	M 16	2,00	14,00	9,0	**157.05**
41430301800	M 18	2,50	15,50	11,0	**199.67**
41430302000	M 20	2,50	17,50	12,0	**272.62**
41430302200	M 22	2,50	19,50	14,5	**335.25**
41430302400	M 24	3,00	21,00	14,5	**397.87**

9602031

Tarozi lungi de masina, pas normal / fin, DIN 371, HSS-E (Co 5%), Forma C

- *tarozi lungi de masina, pas normal/fin, DIN 371,*
- *material: HSS-E (Co 5%), tratament termic,*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, unghiul spirei 15°, taiere pe dreapta*
- *pentru gauri infundate*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 1400 N / mm²*





TIVOLY | 6H | M MF | HSS E | BRIGHT UNCOATED | DIN 371 | C FORM | 15°

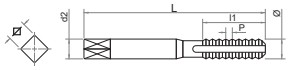
	Ø	P	L	l	d2	
960203100200040	M2	0,4	45	8	2,1	**120.61**
960203100300050	M3	0,5	56	10	3,5	**99.43**
960203100400070	M4	0,7	63	12	4,5	**99.49**
960203100500080	M5	0,8	70	14	6	**95.48**
960203100600100	M6	1,0	80	16	6	**104.94**
960203100700100	M7	1,0	80	16	7	**126.75**
960203100800125	M8	1,25	90	18	8	**124.91**
960203100900125	M9	1,25	90	18	9	**178.61**
960203101000150	M10	1,5	100	20	10	**148.61**
960203100500075	MF5	0,75	70	12	6	**162.38**
960203100800100	MF8	1,0	90	18	8	**153.48**

960ST51

Tarozi lungi de masina, pas normal / fin, DIN 371/376/374, HSS-E (Co 5%), Forma C, TiN

- *tarozi lungi de masina, pas normal / fin, DIN 371/376/374,*
- *material: HSS-E (Co 5%), tratament termic, acoperire TiN,*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, unghiul spirei 35°, taiere pe dreapta*
- *pentru gauri infundate*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 1400 N / mm²*





TIVOLY | 6H | M MF | HSS E | TiN COATED | DIN 371/374 376 | C FORM | 35°

	Ø	P	L	l	d2	DIN	
960ST5100300050	M3	0,5	56	5	3,5	371	**114.58**
960ST5100400070	M4	0,7	63	7	4,5	371	**114.70**
960ST5100500080	M5	0,8	70	9	6	371	**110.57**
960ST5100600100	M6	1,0	80	10	6	371	**119.98**
960ST5100800125	M8	1,25	90	12	8	371	**144.30**
960ST5101000150	M10	1,5	100	14	10	371	**166.57**
960ST5101200175	M12	1,75	110	16	9	376	**237.25**
960ST5101400200	M14	2,0	110	18	11	376	**286.48**
960ST5101600200	M16	2,0	110	18	12	376	**343.06**
960ST5100800100	MF8	1,0	90	12	8	371	**161.75**
960ST5101000100	MF10	1,0	90	14	10	371	**186.59**
960ST5101200150	MF12	1,5	100	14	9	374	**254.12**
960ST5101400150	MF14	1,5	100	18	11	374	**306.97**

4153

Tarozi lungi de masina DIN 376 HSS-E (Co 5%), pentru gauri infundate si strapunse

- *tarozi lungi de masina DIN 376, HSS-E (Co 5%), gauri infundate si strapunse*
- *material: HSS-E (Co 5%), tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, canale elicoidale RSP / 35°, taiere pe dreapta*
- *conul de atac : 2-3 spire*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 900 N / mm²*



BOHRCRAFT | FORM C | RSP 35° | M | DIN 371/376 | HSS-E Co5 | ISO2 6H | 60° | 900 N/mm²

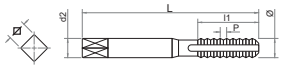
	M filet	Pas (mm)	Gaura (mm)	
41530300300	M 3	0,50	2,50	**62.13**
41530300400	M 4	0,70	3,30	**62.13**
41530300500	M 5	0,80	4,20	**65.74**
41530300600	M 6	1,00	5,00	**65.74**
41530300800	M 8	1,25	6,80	**81.64**
41530301000	M 10	1,50	8,50	**102.46**
41530301200	M 12	1,75	10,20	**111.80**
41530301400	M 14	2,00	12,00	**143.11**
41530301600	M 16	2,00	14,00	**174.92**
41530301800	M 18	2,50	15,00	**231.15**
41530302000	M 20	2,50	17,50	**284.26**
41530302200	M 22	2,50	19,50	**369.67**
41530302400	M 24	3,00	21,00	**395.08**

9603031

Tarozi lungi de masina, pas normal / fin, DIN 376/374, HSS-E (Co 5%), Forma C

- *tarozi lungi de masina, pas normal/fin, DIN 376/374,*
- *material: HSS-E (Co 5%), tratament termic,*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma C, unghiul spirei 15°, taiere pe dreapta*
- *pentru gauri infundate*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 1400 N / mm²*





TIVOLY | 6H | M MF | HSS E | BRIGHT UNCOATED | DIN 374/376 | C FORM | 15°

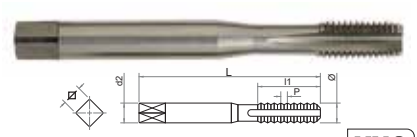
	Ø	P	L	l	d2	DIN	
960303100400070	M4	0,7	63	12	2,8	376	**102.93**
960303100500080	M5	0,8	70	14	3,5	376	**102.93**
960303100600100	M6	1,0	80	16	4,5	376	**108.04**
960303100800125	M8	1,25	90	18	6	376	**130.59**
960303101000150	M10	1,5	100	20	7	376	**152.74**
960303101200175	M12	1,75	110	22	9	376	**196.92**
960303101400200	M14	2,0	110	25	11	376	**240.18**
960303101600200	M16	2,0	110	28	12	376	**290.44**
960303101800250	M18	2,5	125	32	14	376	**391.02**
960303102000250	M20	2,5	140	32	16	376	**417.07**
960303102200250	M22	2,5	140	32	18	376	**512.84**
960303102400300	M24	3,0	160	32	18	376	**623.06**
960303102700300	M27	3,0	160	36	20	376	**766.96**
960303103000350	M30	3,5	180	40	22	376	**982.87**
960303100800100	MF8	1,0	90	18	6	374	**157.73**

	Ø	P	L	l	d2	DIN	
960303101000100	MF10	1,0	90	18	7	374	**186.13**
960303101000125	MF10	1,25	100	20	7	374	**202.48**
960303101200175	MF12	1,0	100	22	9	374	**231.17**
960303101200125	MF12	1,25	100	22	9	374	**221.53**
960303101200150	MF12	1,5	100	22	9	374	**213.04**
960303101400100	MF14	1,0	100	22	11	374	**357.00**
960303101400125	MF14	1,25	100	22	11	374	**327.16**
960303101400150	MF14	1,5	100	22	11	374	**261.87**
960303101600150	MF16	1,5	110	22	12	374	**321.66**
960303101800150	MF18	1,5	110	25	14	374	**388.50**
960303102000150	MF20	1,5	125	25	16	374	**443.93**
960303102200150	MF22	1,5	125	25	18	374	**463.26**
960303102400150	MF24	1,5	140	25	18	374	**651.00**
960303102400200	MF24	2,0	140	25	18	374	**794.79**
960303103000150	MF30	1,5	150	32	22	374	**1000.71**

9622011

Tarozi de masina, filet UNC/UNF, similar DIN 371, HSS-E (Co 5%)

- *tarozi de masina, filet UNC/UNF, similar DIN 371,*
- *material: HSS-E (Co 5%), tratament termic,*
- *profil filet rectificat detalonat*
- *parametri filet conform ANSI B1.1*
- *toleranta 2B*
- *unghiul flancurilor filetului 60°*
- *forma C, canale drepte, taiere pe dreapta*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 700 N / mm² si aliaje de aluminiu*
- *pentru gauri strapunse*



TIVOLY | UNC UNF | HSS E | BRIGHT UNCOATED | DIN 371 | C FORM | 2B

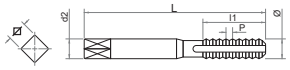
	Ø	P	L	l	d2	
962201100006320	UNC N°6	32	56	11	4	**113.84**
962201100008320	UNC N°8	32	63	12	4,5	**112.92**
962201100140200	UNC 1/4	20	80	16	7	**110.97**
962201100380160	UNC 3/8	16	90	18	9	**147.34**
962201100516180	UNC 5/16	18	90	18	8	**132.48**
962201100010320	UNF N°10	32	70	14	6	**131.85**
962201100140280	UNF 1/4	28	80	16	7	**117.05**
962201100380240	UNF 3/8	24	100	18	9	**149.41**

9623011

Tarozi de masina, filet UNF, similar DIN 376, HSS-E (Co 5%)

- *tarozi de masina, filet UNF, similar DIN 376,*
- *material: HSS-E (Co 5%), tratament termic,*
- *profil filet rectificat detalonat*
- *parametri filet conform ANSI B1.1*
- *toleranta 2B*
- *unghiul flancurilor filetului 60°*
- *forma C, canale dreprte, taiere pe dreapta*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 700 N / mm² si aliaje de aluminiu*
- *pentru gauri strapunse*





TIVOLY | UNF | HSS E | BRIGHT UNCOATED | DIN 376 | C FORM | 2B

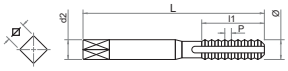
	Ø	P	L	l	d2	
962301100716200	UNF 7/16	20	100	22	8	**188.71**
962301100120200	UNF 1/2	20	110	25	9	**198.87**
962301100916180	UNF 9/16	18	110	25	11	**244.54**
962301100580180	UNF 5/8	18	110	25	12	**277.76**
962301100340160	UNF 3/4	16	125	32	14	**355.62**

962ST51

Tarozi de masina, filet UNC/UNF, similar DIN 371/376, HSS-E (Co 5%), TiN

- *tarozi de masina, filet UNC/UNF, similar DIN 371/376,*
- *material: HSS-E (Co 5%), tratament termic, acoperire TiN,*
- *profil filet rectificat detalonat*
- *parametri filet conform ANSI B1.1*
- *toleranta 2B*
- *unghiul flancurilor filetului 60°*
- *forma C, unghiul spirei 35°, taiere pe dreapta*
- *pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 1400 N / mm²*
- *pentru gauri infundate*





TIVOLY | 2B | UNC UNF | HSS E | TiN COATED | DIN 371/376 | C FORM | 35°

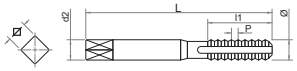
	Ø	P	L	l	d2	DIN	
962ST5100140200	UNC 1/4	20	80	12	7	371	**207.42**
962ST5100380160	UNC 3/8	16	90	14	9	371	**282.58**
962ST5100120130	UNC 1/2	13	110	16	9	376	**353.67**
962ST5100340100	UNC 3/4	10	125	25	14	376	**626.21**
962ST5110000080	UNC 1"	8	160	30	20	376	**1166.93**
962ST5100140280	UNF 1/4	28	80	10	7	371	**210.75**
962ST5100380240	UNF 3/8	24	100	14	9	371	**301.23**
962ST5100120200	UNF 1/2	20	110	16	9	376	**401.87**
962ST5100340160	UNF 3/4	16	125	18	14	376	**702.64**
962ST5110000120	UNF 1"	12	140	25	20	376	**1379.34**

9633011

Tarozi de masina, filet GAZ (BSP), DIN 5156 HSS-E (Co 5%), Forma C

- *tarozi de masina, filet GAZ (BSP, British Standard Pipe), DIN 5156*
- *material: HSS-E (Co 5%), tratament termic,*
- *profil filet rectificat detalonat*
- *unghiul flancurilor filetului 55°*
- *forma C, canale drepte*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 900 N / mm², aliaje de aluminiu*
- *pentru gauri strapunse*





TIVOLY | HSS E | BRIGHT UNCOATED | DIN 5156 | C FORM | BSP G

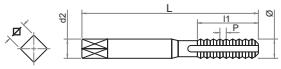
	Ø	P	L	l	d2	
963301100180280	G1/8	28	90	18	7	**142.24**
963301100140190	G1/4	19	100	22	11	**210.80**
963301100380190	G3/8	19	100	25	12	**252.40**
963301100120140	G1/2	14	125	25	16	**319.02**
963301100340140	G3/4	14	140	28	20	**499.30**
963301110000110	G1"	11	160	36	25	**774.65**
963301110140110	G1"1/4	11	170	40	32	**1388.64**

9643011

Tarozi scurti de masina, pentru filet NPT, similar DIN 5156 HSS-G

- *tarozi scurti de masina, pentru filet conic NPT, similar DIN 5156 HSS-G*
- *material: HSS, tratament termic,*
- *profil filet rectificat detalonat*
- *unghiul flancurilor filetului 55°*
- *conicitate 1 : 16*
- *forma C, canale drepte*
- *destinate pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 1400 N / mm², aliaje de aluminiu*
- *pentru gauri strapunse*





TIVOLY | NPT | HSS | BRIGHT UNCOATED | simDIN 5156 | C FORM | 116

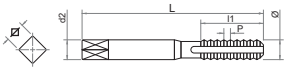
	Ø	P	L	l	d2	
964301100116270	NPT 1/16	27	90	16	6	**263.25**
964301100180270	NPT 1/8	27	90	21	8	**263.25**
964301100140180	NPT 1/4	18	100	28	11	**368.93**
964301100380180	NPT 3/8	18	110	28	14	**509.80**
964301100120140	NPT 1/2	14	140	35	18	**712.51**
964301100340140	NPT 3/4	14	140	35	22	**1089.42**
964301110000115	NPT 1"	11,5	160	45	25	**1224.02**
964301110140115	NPT 1"1/4	11,5	170	45	32	**1969.47**

9704601

Tarozi extralungi de masina, filet Metric, NFE 66112 similar DIN 357, forma A, HSS-E (Co 5%)

- *tarozi extralungi de masina (pentru piulite), filet Metric, DIN 357,*
- *material: HSS-E (Co 5%), tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma A, taiere pe dreapta*
- *conul de atac : 6-8 spire*
- *pentru gauri strapunse*
- *pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 1400 N / mm²*





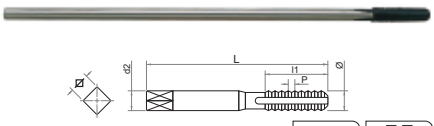
TIVOLY | M | HSS E | BRIGHT UNCOATED | NFE 66112 | A FORM | 6H

	Ø	P	L	l	d2	
970460100300050	M3	0,5	90	19	2,1	**736.95**
970460100400070	M4	0,7	100	20	2,9	**426.43**
970460100500080	M5	0,8	110	25	3,7	**481.45**
970460100600100	M6	1,0	120	27	4,5	**481.45**
970460100800125	M8	1,25	135	32	6,2	**640.79**
970460101000150	M10	1,5	150	38	7,6	**688.18**
970460101200175	M12	1,75	165	43	9	**731.56**
970460101400200	M14	2,0	180	50	10,5	**1052.07**
970460101600200	M16	2,0	190	50	12,5	**1052.07**

9704011

Tarozi extralungi de masina, filet metric, pas normal/fin, NFE 66101, forma A, HSS-E (Co 5%)

- *tarozi extralungi de masina (pentru piulite), filet metric, pas normal/fin, NFE 66101*
- *material: HSS-E (Co 5%), tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma A, taiere pe dreapta*
- *pentru gauri strapunse*
- *pentru filetare in oteluri ne aliate si aliate pentru tratament termic, cu σr ≤ 1400 N / mm²*



TIVOLY

L280 L420 L520 | M MF | HSS E | STEAM TREATED | NFE 66101 | A FORM | 6H

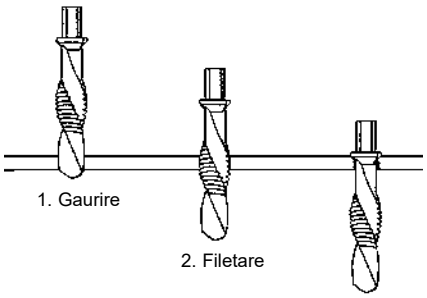
	Ø	P	L	l	d2	
970401100300050	M3	0,5	280	12,5	2,3	182.57
970401100400070	M4	0,7	280	18	2,9	182.57
970401100500080	M5	0,8	280	20	3,8	182.57
970401100600100	M6	1,0	280	25	4,5	182.57
970401100700100	M7	1,0	280	25	5,5	199.39
970401100800125	M8	1,25	280	32	6,1	190.89
970401101000150	M10	1,5	280	38	7,7	221.30
970401101200175	M12	1,75	420	44	9,3	342.20
970401101400200	M14	2,0	420	50	10,9	387.98
970401101600200	M16	2,0	520	50	12,9	468.83
970401101800250	M18	2,5	520	63	14,1	630.06
970401102000250	M20	2,5	520	63	16,1	777.34
970401102200250	M22	2,5	520	63	18	945.80
970401102400300	M24	3,0	520	75	19,3	1242.44
970401100600075	MF6	0,75	280	25	4,5	217.80
970401100800100	MF8	1,0	280	32	6,1	203.69
970401101000100	MF10	1,0	280	38	7,7	237.83
970401101200125	MF12	1,25	420	38	10,1	237.83
970401101200150	MF12	1,5	420	44	9,6	362.80
970401101400150	MF14	1,5	420	50	11,8	405.14
970401102000150	MF20	1,5	520	63	17,8	819.52
970401102200150	MF22	1,5	520	63	19,8	991.70
970401102400150	MF24	1,5	520	75	21,8	1731.01

4171

Tarod combinat cu prindere hexagonala 1/4" HSS-G pas normal

- *tarod combinat cu prindere hexagonala 1/4" HSS-G pas normal*
- *material: HSS, tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma A, taiere pe dreapta*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 600 N / mm²*
- *se utilizeaza pe masini portabile sau stationare de gaurit cu turatie reversibila, dreapta / stanga*





BOHRCRAFT

600 N/mm² | M | HSS G | ISO2 6H | 60° | SPLIT POINT | ¼"

	M(filet)	Pas (mm)	Gaura (mm)	
41710300300	M 3	0,50	2,50	59.34
41710300400	M 4	0,70	3,30	59.34
41710300500	M 5	0,80	4,20	59.34
41710300600	M 6	1,00	5,00	59.34
41710300800	M 8	1,25	6,80	81.64
41710301000	M 10	1,50	8,50	97.70

1110051

Port filiera

- *corpul executat din otel*
- *coada cu patrat de antrenare*



TIVOLY

	Ø	d2	
11100510254	25,4	8	382.93
11100510381	38,1	13	729.56

4302

Port-tarod cu clichet, varianta scurta si lunga

- *actionare stanga si dreapta*
- *mandrina cu doua bacuri pentru tarozi cu prindere patrata*



BOHRCRAFT

	DIM.	LT	Dim. tarod	
43021500001	1	85	M 3 - 10	67.05
43021500002	2	100	M 5 - 12	81.31
43021500010	10	250	M 3 - 10	109.84
43021500020	20	300	M 5 - 12	133.61

4160

Tarozi extralungi de masina (pentru piulite), filet Metric, DIN 357, HSS-G, gauri strapunse

- *tarozi extralungi de masina (pentru piulite), filet Metric, DIN 357, HSS-G, pentru gauri strapunse*
- *material: HSS, tratament termic*
- *profil filet rectificat detalonat*
- *parametri filet conform DIN ISO 13*
- *toleranta 6H, conform ISO 2*
- *unghiul flancurilor filetului 60°*
- *forma A, taiere pe dreapta*
- *conul de atac : 4-5 spire*
- *destinate pentru filetare in oteluri ne aliate si aliate, cu σr ≤ 800 N / mm²*



BOHRCRAFT

M | DIN 357 | HSS G | ISO2 6H | 60° | 800 N/mm²

	M filet	Pas	Gaura	LT	LU	
41600300305	M 3	0,50	2,50	70	22	83.44
41600300407	M 4	0,70	3,30	90	25	83.44
41600300508	M 5	0,80	4,20	100	28	88.52
41600300610	M 6	1,00	5,00	110	32	88.52
41600300812	M 8	1,25	6,80	125	40	96.07
41600301015	M 10	1,50	8,50	140	45	118.03
41600301217	M 12	1,75	10,20	180	50	159.67

4400

Port-filiera DIN 225

- *corp din zinc turnat sub presiune ; suruburi din otel, tratate*
- *manere din otel dintre care unul detasabil*



BOHRCRAFT

DIN 255

	DIM.	D x H	M-MF (dim. filiera)	G (dim. filiera)	
44001501605	0	16 x 5	M 1 - M 2,6	-	24.26
44001502005	1	20 x 5	M 3 - M 4	-	25.25
44001502007	2	20 x 7	M 4,5 - M 6	-	25.25
44001502509	3	25 x 9	M 7 - M 9	1/16	30.16
44001503011	4	30 x 11	M 10 - M 11	1/8	42.46
44001503810	5	38 x 10	MF 12 - MF 14	1/4	67.21
44001503814	5b	38 x 14	M 12 - M 14	-	64.59
44001504514	6	45 x 14	MF 16 - M 20	3/8 - 1/2	85.90
44001504518	6b	45 x 18	M 16 - M 20	-	85.90
44001505516	7	55 x 16	MF 22 - M 24	5/8 - 3/4	110.49
44001505522	7b	55 x 22	M 22 - M 24	-	110.49
44001506518	8	65 x 18	MF 27 - M 36	7/8 - 1	201.80
44001506525	8b	65 x 25	M 27 - M 36	-	201.80

4300

Port-tarod reglabil DIN 1814

- *corp din zinc turnat sub presiune si falci din otel, tratate*
- *manere din otel dintre care unul detasabil*



BOHRCRAFT

DIN 1814

	DIM.	LT	M-MF tarod	Diam. tarod G	Patrat tarod	
43001500000	0	130	M 1 - 8	-	2,1 - 4,9	30.16
43001500010	1	180	M 1 - 10	-	2,4 - 5,5	35.08
43001500015	1.1/2	180	M 1 - 12	1/8	2,4 - 7,0	35.90
43001500020	2	280	M 4 - 12	1/8 - 3/8	3,4 - 8,0	60.98
43001500030	3	380	M 5 - 20	1/8 - 1/2	4,9 - 12,0	101.64
43001500040	4	500	M 11 - 27	1/8 - 3/4	5,5 - 16,0	180.98
43001500050	5	700	M 13 - 32	1/4 - 1	9,0 - 20,0	281.48

4500

Prelungitor pentru tarozi, conform DIN 377

- *prelungitor pentru tarozi, conform DIN 377*
- *executie din otel aliat, tratat termic integral*
- *suprafete rectificate*
- *pentru patrat de antrenare conform DIN 10*
- *patratul interior si in patratul exterior cu aceeasi dimensiune*



DIN 377

	DIM.	LT	M - MF (dim.tarod)	
45001500270	2,7	80	M 3	26.23
45001500340	3,4	95	M 4	27.54
45001500490	4,9	110	M 5 - M 8	36.23
45001500550	5,5	115	M 9 - M 10	40.66
45001500700	7,0	125	M 12	48.03
45001500900	9,0	135	M 14 - M 16	62.13
45001501100	11,0	150	M 18	83.61
45001501200	12,0	155	M 20	94.59
45001501450	14,5	174	M 22 - M 24	132.62

GK12

Trusa tarozi si burghie 28 piese



41001410028 — 28 piese — 515.25

tarozi set 3 DIN 352 HSS-G: M 3 - M12
burghie DIN 338 HSS: 2.5, 3.3,
4.2, 5.0, 6.8, 8.5, 10.2 mm

GW20

Trusa tarozi si filiere M3-M20 54 piese



60001410054 — 54 piese — 2528.52

tarozi set 3 DIN 352 HSS-G: M 3 - M20
filiere DIN 223 B HSS-G: M 3 - M 20
port filiera DIN 225: 20x5 / 20x7 /
25x9 / 30x11 / 38x14 / 45x18
port tarod DIN 1814: Nr. 1 + 3
surubelnita, set lere

GW12

Trusa tarozi si filiere M3-M12 44 piese



60001410044 — 44 piese — 1045.90

tarozi set 3 DIN 352 HSS-G: M 3 - M12
filiere DIN 223 B HSS-G: M 3 - M 12
port filiera DIN 225: 20x5 / 20x7 / 25x9
/ 30x11 / 38x14
port tarod DIN 1814: Nr. 1 + 2
surubelnita, set lere
DIN 338 HSS: 2.5, 3.3, 4.2, 5.0, 6.8, 8.5, 10.2 mm

11900970014

Trusa tarozi si filiere M3-M12 39 piese



11900970014 — 39 piese — 927.22

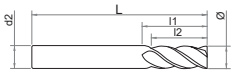
port tarod cu brat detasabil: M3 - M12;
port tarod cu maner in T: M3 - M6;
port filiera: maxim M25;
1 set lere filet: 0.5 / 0.6 / 0.7 / 0.75 / 0.8 / 0.9 / 1 / 1.25 /
1.5 / 1.75 si NPT271;
surubelnita: 0.7 x 3.5 x 40/97 mm;
tarozi: M3 x 0.5; M3 x 6.0; M4 x 0.7; M4 x 0.75;
M5 x 0.8; M5 x 0.9; M6 x 0.75; M6 x 1.0; M7 x 0.75;
M7 x 1.0; M8 x 1.0; M8 x 1.25; M10 x 1.25; M10 x 1.5;
M12 x 1.5; M12 x 1.75; NPT27 x 1/8";
filiere: M3 x 0.5; M3 x 6.0; M4 x 0.7; M4 x 0.75; M5 x 0.8;
M5 x 0.9; M6 x 0.75; M6 x 1.0; M7 x 0.75; M7 x 1.0; M8 x 1.0;
M8 x 1.25; M10 x 1.25; M10 x 1.5; M12 x 1.5; M12 x 1.75;
NPT27 x 1/8".

8236451

Freza cilindro frontala din carbura HM, DIN 6527K, Z2

- *material: carbura HM*
- *conform DIN 6527K*
- *varfuri de ascutire cu sanfren deprotectie*
- *pentru oteluri cu rezistenta la rupere σr ≤ 1200 N/mm², aliaje de aluminiu, otel inoxidabil, fonta*
- *unghiul spirei: 30°*
- *numar de dinti: Z2*
- *toleranta: e8*





TIVOLY — e8 — HM CARB — BRIGHT UNCOATED — DIN 6527K — Z2 — 30°

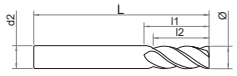
	Ø	d2	L	l2	
82364510100	1	3	38	3	99.20
82364510150	1.5	3	38	3	93.70
82364510200	2	3	38	3	82.74
82364510250	2.5	3	38	3	93.70
82364510300	3	3	38	4	82.74
82364510350	3.5	6	50	4	99.20
82364510400	4	6	54	5	99.20
82364510450	4.5	6	54	5	117.11
82364510500	5	6	54	6	117.11
82364510600	6	6	54	7	138.05
82364510700	7	8	58	8	186.76
82364510800	8	8	58	9	208.68
82364510900	9	10	66	10	285.97
82364511000	10	10	66	11	285.97
82364511200	12	12	73	12	386.26
82364511400	14	14	75	14	496.83
82364511600	16	16	82	16	607.11
82364511800	18	18	84	18	906.33
82364512000	20	20	92	20	1026.82

8236511

Freza cilindro frontala lunga, din carbura HM, DIN 6527L, Z2

- *material: carbura HM*
- *conform DIN 6527L*
- *varfuri de ascutire cu sanfren de protectie*
- *pentru oteluri cu rezistenta la rupere σr ≤1200 N/mm², aliaje de aluminiu, otel inoxidabil, fonta*
- *unghiul spirei: 30°*
- *numar de dinti: Z2*
- *toleranta: e8*





TIVOLY — e8 — HM CARB — AlCrona COATED — DIN 6527L — Z2 — 30°

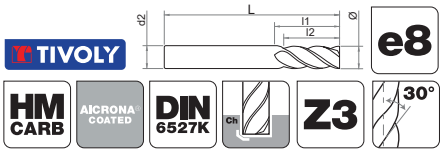
	Ø	d2	L	l2	
82365110200	2	3	38	6	97.71
82365110250	2.5	3	38	7	110.62
82365110300	3	3	38	7	97.71
82365110350	3.5	6	57	7	117.05
82365110400	4	6	57	8	117.05
82365110450	4.5	6	57	8	138.34
82365110500	5	6	57	10	138.34
82365110600	6	6	57	10	162.89
82365110700	7	8	63	13	220.33
82365110800	8	8	63	16	246.20
82365110900	9	10	72	16	337.43
82365111000	10	10	72	19	337.43
82365111200	12	12	83	22	455.80
82365111400	14	14	83	22	586.34
82365111600	16	16	92	26	716.35
82365111800	18	18	92	26	1069.45
82365112000	20	20	104	32	1211.46

8236481

Freza cilindro frontala din carbura HM, DIN 6527K, Z3

- *material: carbura HM*
- *conform DIN 6527K*
- *varfuri de ascutire cu sanfren de protectie*
- *pentru oteluri cu rezistenta la rupere σr ≤ 1200 N/mm², aliaje de aluminiu, otel inoxidabil, fonta*
- *unghiul spirei: 30°*
- *numar de dinti: Z3*
- *toleranta: e8*





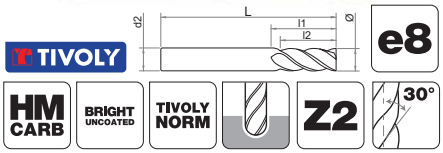
	Ø	d2	L	l2	
82364810100	1	3	38	3	105.92
82364810150	1.5	3	38	3	112.52
82364810200	2	3	38	3	112.52
82364810250	2.5	3	38	3	112.52
82364810300	3	3	38	4	112.52
82364810350	3.5	6	50	4	127.55
82364810400	4	6	54	5	127.55
82364810450	4.5	6	54	5	140.57
82364810500	5	6	54	6	140.57
82364810600	6	6	54	7	170.93
82364810700	7	8	58	8	250.39
82364810800	8	8	58	9	250.39
82364810900	9	10	66	10	356.31
82364811000	10	10	66	11	356.31
82364811200	12	12	73	12	463.49
82364811400	14	14	75	14	622.66
82364811600	16	16	82	16	741.83
82364811800	18	18	84	18	1125.74
82364812000	20	20	92	20	1312.96

8236061

Freza cilindro frontala cu cap semisferic, din carbura HM, Z2, norma TIVOLY

- *material: carbura HM*
- *cu cap rotund*
- *pentru oteluri cu rezistenta la rupere σr ≤ 1200 N/mm², aliaje de aluminiu, otel inoxidabil, fonta, titan*
- *unghiul spirei: 30°*
- *numar de dinti: Z2*
- *toleranta: e8*





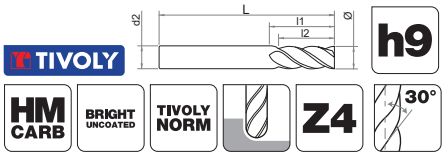
	Ø	d2	L	l2	
82360610100	1	3	39	3	112.92
82360610150	1,5	3	39	5	104.14
82360610200	2	3	39	7	104.14
82360610250	2,5	3	39	7	104.14
82360610300	3	3	39	9	104.14
82360610350	3,5	4	51	12	139.25
82360610400	4	4	51	14	139.25
82360610450	4,5	5	51	14	154.46
82360610500	5	5	51	16	154.46
82360610600	6	6	64	19	200.65
82360610700	7	8	64	19	258.60
82360610800	8	8	64	21	282.18
82360610900	9	10	70	22	387.64
82360611000	10	10	70	22	387.64
82360611100	11	11	70	25	442.78
82360611200	12	12	76	25	535.61
82360611400	14	14	89	30	726.28
82360611600	16	16	89	32	837.99
82360611800	18	18	102	35	1184.20
82360612000	20	20	102	38	1428.75
82360612200	22	22	102	38	2074.70
82360612500	25	25	102	38	2205.17

8236071

Freza cilindro frontala cu cap semisferic, din carbura HM, Z4, norma TIVOLY

- *material: carbura HM*
- *cu cap rotund*
- *pentru oteluri cu rezistenta la rupere σr ≤ 1200 N/mm², aliaje de aluminiu, otel inoxidabil, fonta*
- *unghiul spirei: 30°*
- *numar de dinti: Z4*
- *toleranta: h9*





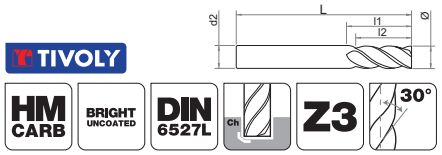
	Ø	d2	L	l2	
82360710100	1	3	39	3	112.92
82360710150	1,5	3	39	5	104.14
82360710200	2	3	39	7	104.14
82360710250	2,5	3	39	7	104.14
82360710300	3	3	39	9	104.14
82360710350	3,5	4	51	12	139.25
82360710400	4	4	51	14	139.25
82360710450	4,5	5	51	14	154.46
82360710500	5	5	51	16	154.46
82360710600	6	6	64	19	200.65
82360710700	7	8	64	19	258.60
82360710800	8	8	64	21	282.18
82360710900	9	10	70	22	387.64
82360711000	10	10	70	22	387.64
82360711100	11	11	70	25	442.78
82360711200	12	12	76	25	535.61
82360711400	14	14	89	30	726.28
82360711600	16	16	89	32	837.99
82360711800	18	18	102	35	1184.20
82360712000	20	20	102	38	1428.75
82360712200	22	22	102	38	2074.70
82360712500	25	25	102	38	2205.17

8236531

Freza cilindro frontala lunga, din carbura HM, DIN 6527L, Z3

- *material: carbura HM*
- *conform DIN 6527L*
- *varfuri de ascutire cu sanfren de protectie*
- *pentru oteluri cu rezistenta la rupere σr ≤ 1200 N/mm², aliaje de aluminiu, otel inoxidabil, fonta*
- *unghiul spirei: 30°*
- *numar de dinti: Z3*
- *toleranta: e8*





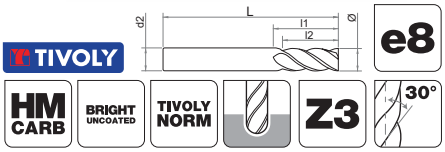
	Ø	d2	L	l2	
82365310200	2	3	38	6	110.62
82365310250	2.5	3	38	7	110.62
82365310300	3	3	38	7	110.62
82365310350	3.5	6	57	7	125.37
82365310400	4	6	57	8	125.37
82365310450	4.5	6	57	8	138.34
82365310500	5	6	57	10	138.34
82365310600	6	6	57	10	168.06
82365310700	7	8	63	13	246.20
82365310800	8	8	63	16	246.20
82365310900	9	10	72	16	350.40
82365311000	10	10	72	19	350.40
82365311200	12	12	83	22	455.80
82365311400	14	14	83	22	612.27
82365311600	16	16	92	26	729.38
82365311800	18	18	92	26	1106.98
82365312000	20	20	104	32	1291.04

8236711

Freza cilindro frontala cu cap semisferic, din carbura HM, Z3, norma TIVOLY

- *material: carbura HM*
- *cu cap rotund*
- *pentru oteluri cu rezistenta la rupere σr ≤ 1200 N/mm², aliaje de aluminiu, otel inoxidabil, fonta*
- *unghiul spirei: 30°*
- *numar de dinti: Z3*
- *toleranta: e8*





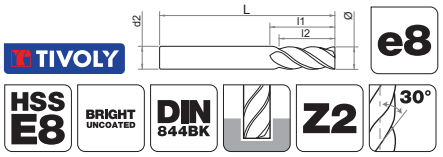
	Ø	d2	L	l2	
82367110100	1	3	39	3	112.92
82367110150	1,5	3	39	5	104.14
82367110200	2	3	39	7	104.14
82367110250	2,5	3	39	7	104.14
82367110300	3	3	39	9	104.14
82367110350	3,5	4	51	12	139.25
82367110400	4	4	51	14	139.25
82367110450	4,5	5	51	14	154.46
82367110500	5	5	51	16	154.46
82367110600	6	6	64	19	200.65
82367110700	7	8	64	19	258.60
82367110800	8	8	64	21	282.18
82367110900	9	10	70	22	387.64
82367111000	10	10	70	22	387.64
82367111100	11	11	70	25	442.78
82367111200	12	12	76	25	535.61
82367111400	14	14	89	30	726.28
82367111600	16	16	89	32	837.99
82367111800	18	18	102	35	1184.20
82367112000	20	20	102	38	1428.75
82367112200	22	22	102	38	2074.70
82367112500	25	25	102	38	2205.17

8030131

Freza cilindro frontala HSS-E8 (Co 8%), DIN 844BK, Z2

- *material: HSS-E8 (Co 8%)*
- *conform DIN 844BK*
- *varf drept, fara sanfren*
- *pentru oteluri cu duritate pana la 1200 N/mm², otel inoxidabil*
- *unghiul spirei: 30°*
- *numar de dinti: Z2*
- *toleranta: e8*





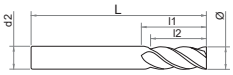
	Ø	d2	L	l2	
80301310300	3	6	52	8	90.14
80301310400	4	6	55	11	90.14
80301310500	5	6	57	13	90.14
80301310600	6	6	57	13	90.14
80301310800	8	10	69	19	98.86
80301311000	10	10	72	22	108.39
80301311200	12	12	83	26	125.31
80301311400	14	12	83	26	163.52
80301311600	16	16	92	32	198.64
80301311800	18	16	92	32	241.16
80301312000	20	20	104	38	280.31

8030161

Freza cilindro frontala extralunga, HSS-E8 (Co 8%), Z4

- *material: HSS-E8 (Co 8%)*
- *varf drept, fara sanfren*
- *pentru oteluri cu rezistenta la rupere ≤ 1200 N/mm²*
- *unghiul spirei: 40°*
- *numar de dinti: Z4*





TIVOLY

HSS E8 | BRIGHT UNCOATED | TIVOLY NORM | Z4 | 40°

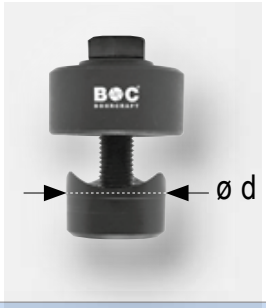
	Ø	d2	L	l2	Z	
80301610600	6	6	95	50	4	**174.48**
80301610800	8	10	110	60	4	**237.71**
80301611000	10	10	115	65	4	**258.83**
80301611200	12	12	130	75	4	**300.20**
80301611400	14	12	135	80	4	**391.48**
80301611600	16	16	155	95	4	**407.61**
80301611800	18	16	160	100	4	**575.20**
80301612000	20	20	175	110	4	**576.41**



1915 NOU

Perforator cu surub

- *pentru o perforare exacta si fara bavuri a tablei din diferite materiale precum aluminiu, fier, otel inoxidabil, cupru si alama*
- *grosimea maxima a materialului 2 mm*



BOHRCRAFT

MF | 2,0 mm | 1,5 mm

	d	Intre dimensiuni		Dimensiuni teava	Toli	Filet surub	Amb	
19150301270	12,7	M12	PG7		1/2"	MF8x1.0	1	**135.90**
19150301520	15,2		PG9			MF8x1.0	1	**135.90**
19150301600	16,0					MF8x1.0	1	**135.90**
19150301650	16,5	M16				MF10x1.0	1	**142.62**
19150301860	18,6		PG11			MF10x1.0	1	**152.79**
19150301900	19,0				3/4"	MF10x1.0	1	**152.79**
19150302040	20,4	M20	PG13,5			MF10x1.0	1	**152.79**
19150302250	22,5		PG16	1/2"	7/8"	MF10x1.0	1	**167.05**
19150302400	24,0					MF10x1.0	1	**167.05**
19150302500	25,0					MF10x1.0	1	**183.11**
19150302540	25,4	M25			1"	MF10x1.0	1	**183.11**
19150302600	26,0					MF12x1.5	1	**183.11**
19150302830	28,3		PG21	3/4"		MF12x1.5	1	**183.11**
19150303000	30,0					MF12x1.5	1	**203.44**
19150303200	32,0					MF12x1.5	1	**203.44**
19150303250	32,5	M32				MF12x1.5	1	**234.59**
19150303500	35,0				1.3/8"	MF12x1.5	1	**234.59**
19150303700	37,0		PG29			MF12x1.5	1	**234.59**
19150304000	40,0					MF12x1.5	1	**320.82**
19150304050	40,5	M40				MF16x1.5	1	**320.82**
19150304500	45,0					MF16x1.5	1	**380.98**
19150304700	47,0		PG36			MF16x1.5	1	**380.98**
19150305000	50,0			1.1/2"		MF16x1.5	1	**418.20**
19150305050	50,5	M50				MF16x1.5	1	**459.02**
19150306000	60,0		PG48			MF16x1.5	1	**614.43**
19150306350	63,5	M63			2.1/2"	MF16x1.5	1	**706.07**

BL 2835 NOU

Trusa perforat tabla 6 piese



BOHRCRAFT

19151330006	6 piese	230	**974.75**

1x Ø 18,3 · 32,0 · 35,0 mm
2x surub de schimb MF 12 x 1,5
1x burghiu in trepte Gr. 2 / 6 – 20 mm

BL 1663 NOU

Trusa perforat tabla 12 piese



BOHRCRAFT

19151330012	12 piese	2530	**3047.38**

1x Ø 16,5 · 20,4 · 25,4 · 32,5 · 40,5 · 50,5 · 63,5 mm
1x surub de schimb MF 10 x 1,0 · MF 12 x 1,5 · MF 16 x 1,5
1x burghiu in trepte Gr. 2 / 6 – 20 mm
1x pasta gaurire BP20



DIN 8033 A ZYA — Forma A cilindrica (ZYA) fara capat dintat

DIN 8033 B ZYAS — Forma B cilindrica (ZYAS)cu capat dintat

DIN 8033 C WRC — Forma C ovala, cilindrica rotunjita (WRC)

DIN 8033 G SPG — Forma G copac, arc ascutit (SPG)

DIN 8033 F RBF — Forma F minge-copac, arc rotunjit (RBF)

DIN 8033 M SKM — Forma M de con, con ascutit (SKM)

DIN 8033 D KUD — Forma D minge, sferica (KUD)

DIN 8033 E TRE — Forma E picatura (TRE)

DIN 8033 H FLH — Forma H flacara (FLH)

DIN 8033 J KSJ — Forma J con 60° (KSJ)

DIN 8033 L KEL — Forma L con rotunjit (KEL)

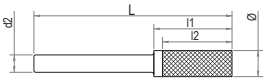
DIN 8033 N WKN — Forma N unghi (WKN)

1031651

Freza din carbura monobloc forma rotunda serie lunga, dantura normala

- *pentru a debavura, rotunjire muchii, curatire / finisare ornamente, curatire cordoane de sudura si operatii de prelucrare suprafete pentru piese din fonta, otel si otel inoxidabil.*
- *se foloseste pe masini portabile pneumatice sau electrice*





TIVOLY | HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D

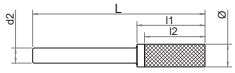
	Ø	d2	L	l2		
103165103080	3,0	3,0	80	20	37	88.36
103165104080	4,0	4,0	80	20	42	89.84
103165106080	6,0	6,0	80	20	49	92.30

1031601

Freza din carbura de tungsten forma A cilindrica, cu tais simplu tip C

- *material: carbura HM*
- *forma A - cilindrica*
- *pentru oteluri cu duritate pana la 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | C | TIVOLY

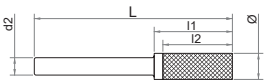
	Ø	d2	L	l2	
10316010400	4	6	50	14	139.48
10316010600	6	6	50	16	139.48
10316010800	8	6	65	20	168.17
10316011000	10	6	65	20	189.98
10316011200	12	6	70	25	252.17
10316011600	16	8	70	25	358.09
103160116006	16	6	70	25	358.09
103160120006	20	6	70	25	522.48

1031611

Freza din carbura de tungsten forma A - cilindrica, cu tais dublu (incrucisat) tip D

- *material: carbura HM*
- *forma A - cilindrica*
- *pentru oteluri cu rezistenta la rupere ≤ 700 N/mm², fonta, aliaje cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

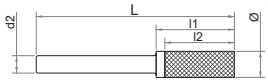
	Ø	d2	L	l2	
10316110400	4	6	50	14	166.62
10316110600	6	6	50	16	166.62
10316110800	8	6	65	20	200.19
10316111000	10	6	65	20	225.26
10316111200	12	6	70	25	302.49
10316111600	16	8	70	25	425.11
103161116006	16	6	70	25	425.11

1031621

Freza din carbura de tungsten forma A cilindrica cu cap taietor, tais simplu tip C

- *material: carbura HM*
- *forma A - cilindrica cu cap taietor*
- *pentru oteluri cu duritate pana la 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | C | TIVOLY

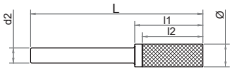
	Ø	d2	L	l2	
10316210400	4	6	50	14	153.02
10316210600	6	6	50	16	153.02
10316210800	8	6	65	20	183.26
10316211000	10	6	65	20	208.45
10316211200	12	6	70	25	277.30
10316211600	16	8	70	25	394.87
103162116006	16	6	70	25	394.87

1031631

Freza din carbura de tungsten forma A - cilindrica, cu tais dublu (incrucisat) tip D

- *material: carbura HM*
- *forma A - cilindrica cu cap taietor*
- *pentru oteluri cu rezistenta la rupere ≤ 700 N/mm², fonta, aliaje cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

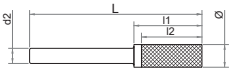
	Ø	d2	L	l2	
10316310400	4	6	50	14	183.26
10316310600	6	6	50	16	183.26
10316310800	8	6	65	20	220.10
10316311000	10	6	65	20	248.73
10316311200	12	6	70	25	332.67
10316311600	16	8	70	25	472.21
103163116006	16	6	70	25	472.21
10316312000	20	6	70	25	687.49

1036651

Freza din carbura de tungsten forma A - cilindrica cu cap taietor, tais simplu tip A

- *material: carbura HM*
- *forma A - cilindrica cu cap taietor*
- *pentru aluminiu*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | A | TIVOLY

	Ø	d2	L	l2	
10366511200	12	6	70	25	332.67
10366511600	16	6	70	25	472.27

5105

Freze biax din carbura metalica sinterizata - CMS cilindrica cu taiere frontala, Forma B (ZYAS)

- *freze biax din carbura metalica sinterizata - CMS - cilindrica cu taiere frontala, forma B (ZYAS)*
- *in conformitate cu DIN 8033*
- *pentru a debavura, rotunjire muchii, curatire / finisare ornamente, curatire cordoane de sudura si operatii de prelucrare suprafete pentru piese din fonta, otel si otel inoxidabil.*
- *se foloseste pe masini portabile pneumatice sau electrice*



BOHRCRAFT | PROFI by BOHRCRAFT PLUS | DIN 8033 | VHM | B ZYAS | Z-KR

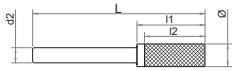
	Ø	d2	L	l2	
51050300303	3	3	38	13	52.79
51050300600	6	6	50	16	87.05
51050300800	8	6	64	20	106.23
51050301000	10	6	64	20	127.38
51050301200	12	6	70	25	183.93
51050301600	16	6	70	25	271.80
51050301900	19	6	70	25	412.62

1031641

Freza din carbura de tungsten forma C cilindrica cu cap rotunjit, tais simplu tip C

- *material: carbura HM*
- *forma C - cilindrica cu cap rotunjit*
- *pentru oteluri cu duritate pana la 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | C | TIVOLY

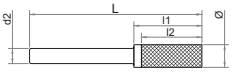
	Ø	d2	L	l2	
10316410400	4	6	50	14	151.36
10316410600	6	6	50	16	151.36
10316410800	8	6	65	20	191.75
10316411000	10	6	65	20	218.61
10316411200	12	6	70	25	309.38
10316411600	16	8	70	25	404.85
103164116006	16	6	70	25	404.85

1036681

Freza din carbura de tungsten forma C cilindrica cu cap rotunjit, tais simplu tip A

- *material: carbura HM*
- *forma C - cilindrica cu cap rotunjit*
- *pentru aluminiu*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | A | TIVOLY

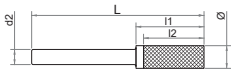
	Ø	d2	L	l2	
10366811000	10	6	65	20	260.49
10366811200	12	6	70	25	371.34
10366811600	16	6	70	25	453.91

1031651

Freza din carbura de tungsten forma C cilindrica cu cap rotunjit, tais dublu (incrucisat) tip D

- *material: carbura HM*
- *forma C - cilindrica cu cap rotunjit*
- *pentru oteluri cu duritate pana la 700 N/mm², fonta, aliaje cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

	Ø	d2	L	l2	
10316510400	4	6	50	14	181.48
10316510600	6	6	50	16	181.48
10316510800	8	6	65	20	226.98
10316511000	10	6	65	20	260.49
10316511200	12	6	70	25	371.34
10316511600	16	8	70	25	485.64
103165116006	16	6	70	25	485.64
10316512000	20	8	70	25	727.77
103165120006	20	6	70	25	727.77

5110

Freze biax din carbura metalica sinterizata - CMS cilindrica cu cap +semisferic, Forma C (WRC)

- *freze biax din carbura metalica sinterizata - CMS - cilindrica cu taiere frontala, forma C (WRC)*
- *in conformitate cu DIN 8033*
- *pentru a debavura, rotunjire muchii, curatire / finisare ornamente, curatire cordoane de sudura si operatii de prelucrare suprafete pentru piese din fonta, otel si otel inoxidabil.*
- *se foloseste pe masini portabile pneumatice sau electrice*



BOHRCRAFT | PROFI by BOHRCRAFT PLUS | DIN 8033 | VHM | C WRC | Z-KR

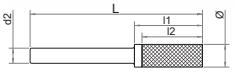
	Ø	d2	L	l2	
51100300303	3	3	38	13	52.79
51100300600	6	6	50	16	84.43
51100300800	8	6	64	20	98.69
51100301000	10	6	64	20	127.38
51100301200	12	6	70	25	181.48
51100301600	16	6	70	25	281.64
51100301900	19	6	70	25	404.75

1031701

Freza din carbura de tungsten forma M conica cu varf ascutit, tais simplu tip C

- *material: carbura HM*
- *forma M - conica cu varf ascutit*
- *pentru oteluri cu rezistenta la rupere ≤ 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | C | TIVOLY

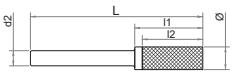
	Ø	d2	L	l2	
10317010600	6	6	50	16	149.81
10317010800	8	6	63	16	158.07
10317011000	10	6	65	20	183.26
10317011200	12	6	70	25	221.88
10317011600	16	8	70	25	299.11
103170116006	16	6	70	25	299.11
10317012000	20	8	70	25	404.85

1031711

Freza din carbura de tungsten forma M conica cu varf ascutit, tais dublu (incrucisat) tip D

- *material: carbura HM*
- *forma M - conica cu varf ascutit*
- *pentru oteluri cu rezistenta la rupere ≤ 700 N/mm², fonta, aliaje cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

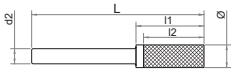
	Ø	d2	L	l2	
10317110400	4	6	50	12	180.05
10317110600	6	6	50	16	180.05
10317110800	8	6	63	16	189.98
10317111000	10	6	65	20	218.61
10317111200	12	6	70	25	265.66
10317111600	16	8	70	25	364.75
103171116006	16	6	70	25	364.75

1031721

Freza din carbura, conica cu varf ascutit la 90º, tais simplu tip C

- *material: carbura HM*
- *conica cu varf ascutit la 90º*
- *pentru oteluri cu rezistenta la rupere ≤ 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | 90° | C | TIVOLY

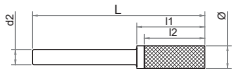
	Ø	d2	L	l2	
10317210400	4	6	50	12	126.23
10317210600	6	6	50	16	126.23
10317210800	8	6	63	16	133.00
10317211000	10	6	65	20	151.36
10317211200	12	6	70	25	189.98
103172116006	16	8	70	25	221.88

1031741

Freza din carbura, conica cu varf ascutit la 60º, tais simplu tip C

- *material: carbura HM*
- *conica cu varf ascutit la 60º*
- *pentru oteluri cu duritate pana la 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | 60° | C | TIVOLY

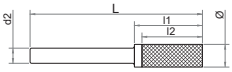
	Ø	d2	L	l2	
10317410400	4	6	50	12	131.22
10317410600	6	6	50	16	131.22
10317411000	10	6	65	20	158.07
10317411200	12	6	70	25	196.57
103174116006	16	8	70	25	240.35

1031761

Freza din carbura de tungsten forma L conica cu cap rotunjit, tais simplu tip C

- *material: carbura HM*
- *forma L - conica cu cap rotunjit*
- *pentru oteluri cu rezistenta la rupere ≤ 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | C | TIVOLY

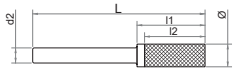
	Ø	d2	L	l2	
10317610600	6	6	50	20	163.18
10317610800	8	6	65	20	210.23
10317611000	10	6	65	20	255.61
10317611200	12	6	70	25	311.04
10317611600	16	8	75	30	470.61
103176116006	16	6	70	30	470.61

1031771

Freza din carbura de tungsten forma L conica cu cap rotunjit, tais dublu (incrucisat) tip D

- *material: carbura HM*
- *forma L - conica cu cap rotunjit*
- *pentru oteluri cu duritate pana la 700 N/mm², fonta, aliaje cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

	Ø	d2	L	l2	
10317710600	6	6	50	20	194.80
10317710800	8	6	65	20	250.39
10317711000	10	6	65	20	305.82
10317711200	12	6	70	25	371.34
103177116006	16	6	70	30	562.98

5150

Fraze biax din carbura metalica sinterizata - CMS conica cu varf rotunjit, Forma L (KEL)

- *fraze biax din carbura metalica sinterizata - CMS - conica cu varf rotunjit, forma L (KEL)*
- *in conformitate cu DIN 8033*
- *pentru a debavura, rotunjire muchii, curatire / finisare ornamente, curatire cordoane de sudura si operatii de prelucrare suprafete pentru piese din fonta, otel si otel inoxidabil.*
- *se foloseste pe masini portabile pneumatice sau electrice*



PROFI by BOHRCRAFT PLUS

BOHRCRAFT | DIN 8033 | VHM | L KEL | Z-KR

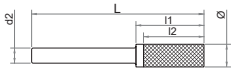
	Ø	d2	L	l2	
51500300303	3	3	38	13	54.43
51500300600	6	6	50	16	87.54
51500300800	8	6	70	22	121.64
51500301000	10	6	76	25	168.85
51500301200	12	6	77	28	193.77
51500301600	16	6	78	33	308.03

1036701

Freza din carbura de tungsten forma L conica cu cap rotunjit, tais simplu tip A

- *material: carbura HM*
- *forma L - conica cu cap rotunjit*
- *pentru aluminiu*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | A | TIVOLY

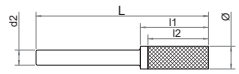
	Ø	d2	L	l2	
10367011000	10	6	65	20	305.82
10367011200	12	6	70	25	371.34
10367011600	16	6	70	30	562.98

1031781

Freza din carbura de tungsten forma G arcuita cu cap ascutit, tais simplu tip C

- *material: carbura HM*
- *forma C - arcuita cu cap ascutit*
- *pentru oteluri cu rezistenta la rupere ≤ 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | C | TIVOLY

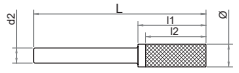
	Ø	d2	L	l2	
10317810400	4	6	50	14	171.44
10317810600	6	6	50	18	171.44
10317810800	8	6	63	18	176.55
10317811000	10	6	65	20	208.45
10317811200	12	6	70	25	245.46
10317811600	16	8	75	30	361.48
103178116006	16	6	75	30	361.48

1031791

Freza din carbura de tungsten forma G arcuita cu cap ascutit, tais dublu (incrucisat) tip D

- *material: carbura HM*
- *forma G - arcuita cu cap ascutit*
- *pentru oteluri cu duritate pana la 700 N/mm², fonta, aliaj cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

	Ø	d2	L	l2	
10317910600	6	6	50	18	206.67
10317910800	8	6	63	18	211.84
10317911000	10	6	65	20	250.39
10317911200	12	6	70	25	294.29
10317911600	16	8	75	30	435.38
103179116006	16	6	70	30	435.38

5130

Fraze biax din carbura metalica sinterizata - CMS arc cu varf ascutit, Forma G (SPG)

- *fraze biax din carbura metalica sinterizata - CMS - arc cu varf ascutit, forma G (SPG)*
- *in conformitate cu DIN 8033*
- *pentru a debavura, rotunjire muchii, curatire / finisare ornamente, curatire cordoane de sudura si operatii de prelucrare suprafete pentru piese din fonta, otel si otel inoxidabil.*
- *se foloseste pe masini portabile pneumatice sau electrice*



PROFI by BOHRCRAFT PLUS

BOHRCRAFT | DIN 8033 | VHM | G SPG | Z-KR

	Ø	d2	L	l2	
51300300303	3	3	38	14	54.43
51300300600	6	6	50	18	87.54
51300300800	8	6	65	20	93.44
51300301000	10	6	64	19	124.43
51300301200	12	6	70	25	174.43
51300301600	16	6	70	25	281.48

5035

Fraze biax din carbura metalica sinterizata - CMS flacara, Forma H (FLH)

- *fraze biax din carbura metalica sinterizata - CMS - flacara, forma H (FLH)*
- *in conformitate cu DIN 8033*
- *pentru a debavura, rotunjire muchii, curatire / finisare ornamente, curatire cordoane de sudura si operatii de prelucrare suprafete pentru piese din fonta, otel si otel inoxidabil.*
- *se foloseste pe masini portabile pneumatice sau electrice*



BOHRCRAFT | DIN 8033 | VHM | H FLH | Z-KR

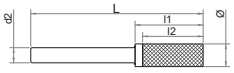
	Ø	d2	L	l2	
51350300303	3	3	38	6	46.07
51350300600	6	6	50	18	108.20
51350300800	8	6	64	20	122.79
51350301000	10	6	64	20	175.57
51350301200	12	6	77	32	210.98
51350301600	16	6	81	36	285.08

1031801

Freza din carbura de tungsten forma E ovala, tais simplu tip C

- *material: carbura HM*
- *forma E - ovala*
- *pentru oteluri cu duritate pana la 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | C | TIVOLY

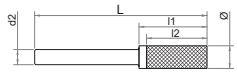
	Ø	d2	L	l2	
10318010600	6	6	50	10	156.47
10318010800	8	6	58	13	173.22
10318011000	10	6	61	16	208.45
10318011200	12	6	65	20	250.39
10318011600	16	8	70	25	361.48
103180116006	16	6	70	25	361.48

1031811

Freza din carbura de tungsten forma E ovala, tais dublu (incrucisat) tip D

- *material: carbura HM*
- *forma E - ovala*
- *pentru oteluri cu duritate pana la 700 N/mm², fonta, aliaj cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

	Ø	d2	L	l2	
10318110400	4	6	50	6	188.31
10318110600	6	6	50	10	188.31
10318110800	8	6	58	13	208.45
10318111000	10	6	61	16	250.39
10318111200	12	6	65	20	299.11
10318111600	16	8	70	25	435.38
103181116006	16	6	70	25	435.38
10318112000	20	8	70	25	687.49
103181120006	20	6	70	25	687.49

5120

Fraze biax din carbura metalica sinterizata - CMS ovala, Forma E (TRE)

- *fraze biax din carbura metalica sinterizata - CMS - ovala, forma E (TRE)*
- *in conformitate cu DIN 8033*
- *pentru a debavura, rotunjire muchii, curatire / finisare ornamente, curatire cordoane de sudura si operatii de prelucrare suprafete pentru piese din fonta, otel si otel inoxidabil.*
- *se foloseste pe masini portabile pneumatice sau electrice*



PROFI by BOHRCRAFT PLUS

BOHRCRAFT | DIN 8033 | VHM | E TRE | Z-KR

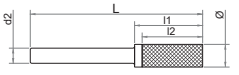
	Ø	d2	L	l2	
51200300303	3	3	38	6	46.07
51200300600	6	6	50	10	102.30
51200300800	8	6	60	13	103.77
51200301000	10	6	60	16	122.95
51200301200	12	6	65	20	175.57
51200301600	16	6	70	25	255.08

1036661

Freza din carbura de tungsten forma E ovala, tais simplu tip A

- *material: carbura HM*
- *forma E - ovala*
- *pentru aluminiu*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | A | TIVOLY

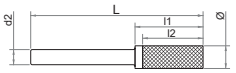
	Ø	d2	L	l2	
10366611200	12	6	65	20	299.13
10366611600	16	6	70	25	435.41

1036671

Freza din carbura de tungsten forma F arcuita cu cap rotunjit, tais simplu tip A

- *material: carbura HM*
- *forma F - arcuita cu cap rotunjit*
- *pentru aluminiu*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | A | TIVOLY

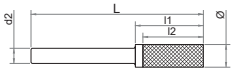
	Ø	d2	L	l2	
10366711000	10	6	65	20	268.35
10366711200	12	6	70	25	317.64
10366711600	16	6	75	30	453.91

1031831

Freza din carbura de tungsten forma F arcuita cu cap rotunjit, tais dublu (incrucisat) tip D

- *material: carbura HM*
- *forma F - arcuita cu cap rotunjit*
- *pentru oteluri cu rezistenta la rupere ≤ 700 N/mm², fonta, aliaj cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

	Ø	d2	L	l2	
10318310600	6	6	50	18	215.05
10318310800	8	6	63	18	223.54
10318311000	10	6	65	20	265.66
10318311200	12	6	70	25	317.64
10318311600	16	8	75	30	453.91
103183116006	16	6	75	30	453.91
10318312000	20	8	75	30	843.67
103183120006	20	6	75	30	843.67

5125

Fraze biax din carbura metalica sinterizata - CMS arc cu varf rotunjit, Forma F (RBF)

- *fraze biax din carbura metalica sinterizata - CMS - arc cu varf rotunjit, forma F (RBF)*
- *in conformitate cu DIN 8033*
- *pentru a debavura, rotunjire muchii, curatire / finisare ornamente, curatire cordoane de sudura si operatii de prelucrare suprafete pentru piese din fonta, otel si otel inoxidabil.*
- *se foloseste pe masini portabile pneumatice sau electrice*



PROFI by BOHRCRAFT PLUS

BOHRCRAFT | DIN 8033 | VHM | F RBF | Z-KR

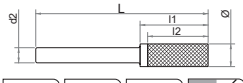
	Ø	d2	L	l2	
51250300303	3	3	38	14	54.43
51250300600	6	6	50	18	87.54
51250300800	8	6	65	20	106.23
51250301000	10	6	64	19	112.62
51250301200	12	6	70	25	175.90
51250301600	16	6	70	25	285.08

1031821

Freza din carbura de tungsten forma F arcuita cu cap rotunjit, tais simplu tip C

- *material: carbura HM*
- *forma F - arcuita cu cap rotunjit*
- *pentru oteluri cu rezistenta la rupere ≤ 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | C | TIVOLY

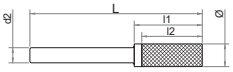
	Ø	d2	L	l2	
10318210600	6	6	50	18	178.21
10318210800	8	6	63	18	186.59
10318211000	10	6	65	20	221.88
10318211200	12	6	70	25	265.66
10318211600	16	8	75	30	379.84
103182116006	16	6	75	30	379.84

1031841

Freza din carbura de tungsten forma D sferica, tais simplu tip C

- *material: carbura HM*
- *forma D - sferica*
- *pentru oteluri cu rezistenta la rupere ≤ 1400 N/mm², otel inoxidabil*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | C | TIVOLY

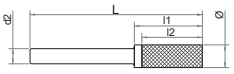
	Ø	d2	L	l2	
10318410400	4	6	50	18	151.36
10318410600	6	6	50	18	151.36
10318410800	8	6	63	18	158.07
10318411000	10	6	65	20	183.15
10318411200	12	6	70	25	221.88
10318411600	16	8	75	30	315.92
103184116006	16	6	75	30	315.92
103184120006	20	6	75	30	504.11

1031851

Freza din carbura de tungsten forma D sferica, cu tais dublu (incrucisat) tip D

- *material: carbura HM*
- *forma D - sferica*
- *pentru oteluri cu rezistenta la rupere 700 N/mm², fonta, aliaj cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

	Ø	d2	L	l2	
10318510400	4	6	50	18	181.48
10318510600	6	6	50	18	181.48
10318510800	8	6	63	18	189.98
10318511000	10	6	65	20	220.10
10318511200	12	6	70	25	265.66
103185116006	16	6	75	30	378.23
10318512000	20	8	75	30	604.87
103185120006	20	6	75	30	604.87

5115

Freze biax din carbura metalica sinterizata - CMS sferica, Forma D (KUD)

- *freze biax din carbura metalica sinterizata - CMS - sferica, forma D (KUD)*
- *in conformitate cu DIN 8033*
- *pentru a debavura, rotunjire muchii, curatire / finisare ornamente, curatire cordoane de sudura si operatii de prelucrare suprafete pentru piese din fonta, otel si otel inoxidabil.*
- *se foloseste pe masini portabile pneumatice sau electrice*



BOHRCRAFT | DIN 8033 | VHM | D KUD | Z-KR

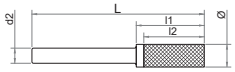
	Ø	d2	L	l2	
51150300303	3	3	38	2,5	**46.07**
51150300600	6	6	50	5	**85.74**
51150300800	8	6	52	6	**104.10**
51150301000	10	6	54	9	**122.95**
51150301200	12	6	56	10	**135.41**
51150301600	16	6	59	14	**203.93**

1036691

Freza din carbura de tungsten forma D sferica, tais simplu tip A

- *material: carbura HM*
- *forma D - sferica*
- *pentru aluminiu*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | A | TIVOLY

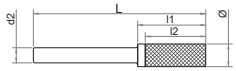
	Ø	d2	L	l2	
10366911000	10	6	65	20	**220.21**
10366911200	12	6	70	25	**265.66**

1031632

Freza din carbura de tungsten forma A cilindrica cu cap taietor, ascutire dubla tip D

- *material: carbura HM*
- *forma A - cilindrica cu cap taietor*
- *pentru oteluri cu duritate pana la 700 N/mm², fonta, aliaj cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

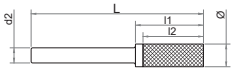
	Ø	d2	L	l2	
10316320600	6	6	50	16	**183.26**
10316320800	8	6	65	20	**220.10**
10316321000	10	6	65	20	**248.73**
10316321200	12	6	70	25	**332.67**

1031652

Freza din carbura de tungsten forma C cilindrica cu cap rotunjit, ascutire dubla tip D

- *material: carbura HM*
- *forma C - cilindrica cu cap rotunjit*
- *pentru oteluri cu duritate pana la 700 N/mm², fonta, aliaj cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

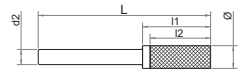
	Ø	d2	L	l2	
10316520600	6	6	50	16	**181.48**
10316520800	8	6	65	20	**226.98**
10316521000	10	6	65	20	**260.49**
10316521200	12	6	70	25	**371.34**

1031792

Freza din carbura de tungsten forma G arcuita cu cap ascutit, ascutire dubla tip D

- *material: carbura HM*
- *forma G - arcuita cu cap ascutit*
- *pentru oteluri cu duritate pana la 700 N/mm², fonta, aliaj cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

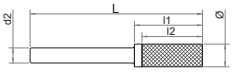
	Ø	d2	L	l2	
10317920600	6	6	50	18	**206.67**
10317920800	8	6	63	18	**211.84**
10317921000	10	6	65	20	**250.39**
10317921200	12	6	70	25	**294.29**

1031832

Freza din carbura de tungsten forma F arcuita cu cap rotunjit, ascutire dubla tip D

- *material: carbura HM*
- *forma F - arcuita cu cap rotunjit*
- *pentru oteluri cu duritate pana la 700 N/mm², fonta, aliaj cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

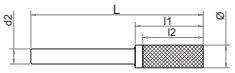
	Ø	d2	L	l2	
10318320600	6	6	50	18	**215.05**
10318320800	8	6	63	18	**223.54**
10318321000	10	6	65	20	**265.66**
10318321200	12	6	70	25	**317.64**

1031852

Freza din carbura de tungsten forma D sferica, ascutire dubla tip D

- *material: carbura HM*
- *forma D - sferica*
- *pentru oteluri cu duritate pana la 700 N/mm², fonta, aliaj cupru*





HM CARB | BRIGHT UNCOATED | TIVOLY NORM | D | TIVOLY

	Ø	d2	L	l2	
10318520600	6	6	50	18	**181.48**
10318520800	8	6	63	18	**189.98**
10318521000	10	6	70	20	**220.10**
10318521200	12	6	75	25	**265.66**

10316070002

Set 5 freze din carbura pentru metal dur prindere 6 mm

- *material: carbura HM*
- *diametru freze: Ø12 mm*
- *prindere: Ø 6 mm*



FLK 05 | HM CARB | BRIGHT UNCOATED | 05 PCS | TIVOLY

10316070002 5 freze din carbura Ø 12 mm Ø 6 mm **1359.95**

10316070005

Set 10 freze din carbura pentru metal dur prindere 6 mm

- *material: carbura HM*
- *diametru freze: Ø6 mm si Ø12 mm*
- *prindere: Ø 6 mm*



FLK 10 | HM CARB | BRIGHT UNCOATED | 05 PCS | TIVOLY

10316070005 10 freze din carbura Ø 6 mm si Ø 12 mm prindere Ø 6 mm **1793.15**

Ghid de gaurire in beton

Art.	Gama	Compatibil cu prindere	Origine si standarde	Avantaje	Beton armat	Beton	Granit	Piatra	Caramida	Beton celular	BCA / BCU	Caramida cu goluri
113	Booster	SDS-plus		• Gaurire in beton armat • Garanteaza gauri perfect rotunde si calibrate • Nu fisureaza betonul	●	●		●	○			
110	Twister	SDS-plus		• Viteza • Durabilitate sporita		●		●	●		○	
104	Burghiu pentru boltari	SDS-plus		• Ideal pentru boltari • Pentru gauri de ancorare perfecte					○	○	●	●
108	Burghiu cu limitator	SDS-plus		• Special pentru aplicatii repetitive • Control in adancime al gauririi • Gaurire in beton armat	●	●		●	○			
102	Special pentru usi si ferestre	SDS-plus		• Pentru aplicatii de montaj usi si ferestre • Garanteaza gauri perfect rotunde si calibrate	●	●		●	○		○	
184	Granit	SDS-plus		• Pentru gauri in granit clasa de la 1 la 3		○	●	●	●			
166 168	Ultimax 646 Ultimax	SDS-max		• Gaurire in beton armat • Durabilitate sporita • Limiteaza rise blocare in material • Garanteaza gauri perfect rotunde si calibrate	●	●	○	●	○			
161 114	Speeduster 646 Speeduster 3T	SDS-max SDS-plus		• beton armat, beton (umed sau vechi), piatra, blocuri de zidarie, caramida, var • manson cu conectare la aspirator	●	●		○	○		○	
165	Crosser	SDS-max		• Ideal pentru strapungeri, montaj instalatii electrice sanitare etc. • Gauriri transversale in profunzime • Diametre mari		●		●	●		○	
373B	Power-Max	SDS-max		• Diametre mari • Gaurire in profunzime • Sistem modular		●		●			○	
322 342	Spit elicoidal	SDS-plus SDS-max		• Gaurire fara efort • Anti-blocare		●		●	●		●	
310 324 359 354 393	Spit	pentru ciocane demolatoare electrice	Made in Germany	• Pentru ciocane demolatoare electrice • Pentru aplicatii intensive • Robust si puternic pentru o daltuire optima		●		●	●		●	
318 343	Dalta lata	SDS-plus SDS-max	Made in Germany	• Pentru aplicatii intensive • Robust si puternic pentru o daltuire optima		●		●	●		●	
320 355 347 341 394	Dalta lata	pentru ciocane demolatoare electrice	Made in Germany	• Pentru aplicatii intensive • Robust si puternic pentru o daltuire optima		●		●	●		●	

Art.	Features	Compatibil cu prindere	Origine si standarde	Avantaje	Beton	Granit	Piatra / Roca	Caramida	BCA / BCU	Boltari	Caramida cu goluri	Tencuiala	Lemn moale	Otel	Marmura	Ardezie	Placi ceramice	Gresie < clasa 5	Sticla netratata	Fibrociment compozite, HLP	Gheata	Plastic
263	Optima 3+	Cilindrica		• Varf autocentrare • Gauri rotunde si calibrate pentru ancorare optima	●	○	●	●	○	●	●											
226	Méga	Cilindrica		• Utilizare intensiva • Durabilitate sporita si performanta	●		●	○		●												
264	Pro	Cilindrica		• Viteza	●		●	○	●	●												
265	Flash	Cilindrica		• Special pentru scule electrice cu acumulatori • Mareste cu 20% durata de utilizare acumulator	●		○	●	●	●		●										
215	Multi-material	Cilindrica		• Gaurire universala				○	○		○	●	○	○		○	○			○		
245	Ceramic	Cilindrica		• Gaurire placi ceramice • Viteza si precizie in gaurire													●					
208	Piatra dura si Granit	Cilindrica		• Aplicatii in marmura (instalatii in bucatarie, baie etc.) • Durabilitate si rezistenta		●	●	○		○												
400	Sticla si ceramica	Cilindrica		• Gaurire rapida in diferite materiale				○	○		○	●			●	○	●		●	○		●
201	HPL	Cilindrica		• Instalare pereti de izolare, bucatarii, plafon fals… • Rapiditate, precizie, durabilitate sporita									●								453	●
426	Blue Ceram	Hexagon		• Gaurire in gresie clasa 4 si 5 • Gauri curate, precise, fara cioburi											○		●	●				
440C	Carota diamantata	M14 Hex		• Gaurire rapida • Durata de utilizare indelungata • Gaurire uscata		●									●		●	●				
431 432	Burghiu diamantat	M16		• Instalatii electrice (tablouri, panouri electrice) • Gauri precise • Versatil • Robust	●			●		●	●						●	●				
357L	Carota diamatata	Hex SDS-plus		• Eliminare larga a cioburilor • Gaurire rapida • Adaptor integrat pentru schimbarea carotei intr-un singur pas • Ejectare rapida a carotei							○	●	●									●
326 328	Burghiu cu carbura	SDS-plus		• Pentru montare echipamente electrice cu diametre foarte mari • Robustete si performanta	●			●		●	●											
366	Carota cu carbura	SDS-plus		• Instalatii electrice care necesita diametre foarte mari de gaurire • Robustete si performanta	●		●	●		●												
300	Carota cu carbura	SDS-max		• Montare instalatii sanitare si renovari • Robustete si performanta	●			●		●												

● Optim ○ Ocazional

113

Burghie SDS-plus cu 3 muchii pentru beton cu armatura Booster PLUS

- *varf din carbura monobloc cu autocentrare - pentru gauri precise*
- *ascutirea unghiului: 150°*
- *3 muchii taietoare*
- *spira cu sectiune patrata - pentru o mai buna extractie a prafului*
- *coada compatibila SDS-plus*
- *gaurire in toate tipurile de beton*
- *precizie in inceperea gaurii*
- *orificiu perfect rotund si calibrat*
- *evacuare rapida a prafului*
- *rezistenta si durata lunga de viata*





Ø 10

DIAGER

SDS plus

< 5 KG

PATENTED

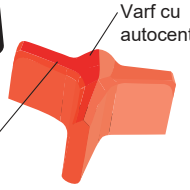
	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 50 x 110					
113D05L0110	5	50	110	1	**43.61**
113D06L0110	6	50	110	1	**39.67**
113D06.5L0110	6.5	50	110	1	**43.61**
113D08L0110	8	50	110	1	**42.62**
113D10L0110	10	50	110	1	**51.48**
L 100 x 160					
113D05L0160	5	100	160	1	**41.97**
113D06L0160	6	100	160	1	**41.31**
113D06.5L0160	6.5	100	160	1	**46.23**
113D07L0160	7	100	160	1	**51.31**
113D08L0160	8	100	160	1	**42.79**
113D09L0160	9	100	160	1	**54.75**
113D10L0160	10	100	160	1	**51.64**
113D12L0160	12	100	160	1	**63.44**
113D13L0160	13	100	160	1	**91.97**
113D14L0160	14	100	160	1	**74.75**
113D15L0160	15	100	160	1	**89.02**
113D16L0160	16	100	160	1	**94.43**
L 150 x 210					
113D06L0210	6	150	210	1	**58.52**
113D06.5L0210	6.5	150	210	1	**58.52**
113D07L0210	7	150	210	1	**60.49**
113D08L0210	8	150	210	1	**59.67**
113D09L0210	9	150	210	1	**65.57**
113D10L0210	10	150	210	1	**67.70**
113D12L0210	12	150	210	1	**76.56**
113D13L0210	13	150	210	1	**88.36**
113D14L0210	14	150	210	1	**99.18**
113D15L0210	15	150	210	1	**111.97**
113D16L0210	16	150	210	1	**118.03**
113D18L0210	18	150	210	1	**165.41**
113D20L0210	20	150	210	1	**220.98**
L 200 x 260					
113D06L0260	6	200	260	1	**63.61**
113D06.5L0260	6.5	200	260	1	**68.69**
113D08L0260	8	200	260	1	**58.52**
113D10L0260	10	200	260	1	**65.08**
113D12L0260	12	200	260	1	**77.70**
113D14L0260	14	200	260	1	**95.41**
113D16L0260	16	200	260	1	**100.82**
113D18L0260	18	200	260	1	**128.36**
113D20L0260	20	200	260	1	**157.70**

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 250 x 310					
113D06L0310	6	250	310	1	**61.31**
113D06.5L0310	6.5	250	310	1	**61.31**
113D07L0310	7	250	310	1	**78.36**
113D08L0310	8	250	310	1	**78.36**
113D09L0310	9	250	310	1	**86.23**
113D10L0310	10	250	310	1	**86.56**
113D12L0310	12	250	310	1	**103.11**
113D13L0310	13	250	310	1	**110.00**
113D14L0310	14	250	310	1	**120.82**
113D15L0310	15	250	310	1	**117.70**
113D16L0310	16	250	310	1	**124.10**
113D18L0310	18	250	310	1	**188.69**
113D20L0310	20	250	310	1	**240.98**
L 400 x 460					
113D08L0460	8	400	460	1	**201.48**
113D10L0460	10	400	460	1	**204.92**
113D12L0460	12	400	460	1	**225.25**
113D14L0460	14	400	460	1	**249.02**
113D16L0460	16	400	460	1	**256.89**
113D18L0460	18	400	460	1	**348.36**
113D20L0460	20	400	460	1	**372.13**
L 550 x 610					
113D08L0610	8	550	610	1	**206.39**
113D10L0610	10	550	610	1	**208.36**
113D12L0610	12	550	610	1	**210.16**
113D14L0610	14	550	610	1	**265.90**
113D16L0610	16	550	610	1	**277.70**
113D18L0610	18	550	610	1	**372.95**
113D20L0610	20	550	610	1	**426.56**

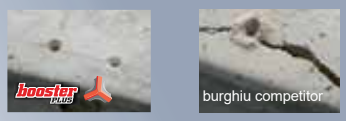
TEHNOLOGIE CU 3 MUCHII TAIETOARE

3 puncte de contact

VARF DIN CARBURA MONOBLOC



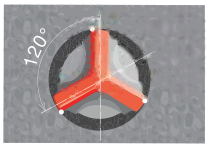
GAURIRE FARA FISURAREA BETONULUI



Varful din carbura Booster plus realizeaza gauri curate si perfecte fara fisurarea betonului la gaurirea in apropierea unei margini.

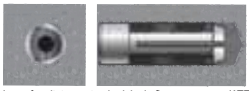
GAURI PERFECTE

Unghiul de 120° garanteaza gauri perfect concentrice (3X120°=360). Booster plus permite gauriri drepte.



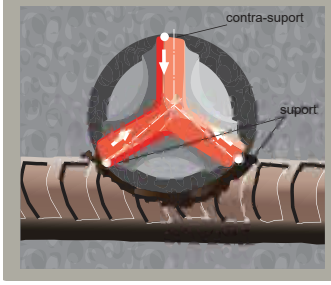
3 puncte de contact simultane permit o performanta constanta in timp.

FIXARE OPTIMA

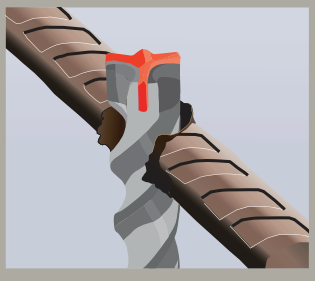


In conformitate cu standardele de fixare europene (ATE)

Mecanismul de suport si contra-suport al burghiului Booster-Plus permite trecerea acestuia prin armatura fara blocare.



Burghiul ramane drept si isi mentine traiectoria



113

Truse burghie SDS-plus pentru beton cu armatura Booster PLUS



113D



104B



072B



115C

DIAGER

	Dimensiune	Ambalare	
072B	10 piese	1	**835.90**
	L160 : Ø6 (x3)-8(x3)-10(x2)-12-14		
113D	7 piese	1	**539.34**
	L110 : Ø6-8-10 L160 : Ø6-8-10-12		
104B	5 piese	1	**297.70**
	L110 : Ø6-8 L160 : Ø6-8-10		
115C	5 piese	1	**303.11**
	L110 : Ø5 (x2) L160 : Ø6 (x2)-8		



110

Burghie SDS-plus pentru beton Twister PLUS

- *varf din carbura, cu autocentrare*
- *ascutirea unghiului: 160°*
- *spira cu sectiune patrata*
- *coada compatibila SDS-plus*

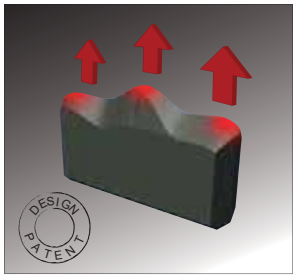






Ø 10

twister plus 2





DIAGER

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 50 x 110					
110D04L0110	4,0	50	110	1	**16.23**
110D05L0110	5,0	50	110	1	**18.69**
110D05.5L0110	5,5	50	110	1	**20.00**
110D06.5L0110	6,5	50	110	1	**20.00**
110D07L0110	7,0	50	110	1	**20.00**
110D08L0110	8,0	50	110	1	**18.85**
110D10L0110	10,0	50	110	1	**21.15**
L 100 x 160					
110D04L0160	4,0	100	160	1	**17.21**
110D05L0160	5,0	100	160	1	**17.21**
110D05.5L0160	5,5	100	160	1	**22.62**
110D06L0160	6,0	100	160	1	**17.21**
110D06.5L0160	6,5	100	160	1	**21.31**
110D07L0160	7,0	100	160	1	**21.97**
110D08L0160	8,0	100	160	1	**20.00**
110D09L0160	9,0	100	160	1	**25.90**
110D10L0160	10,0	100	160	1	**22.95**
110D11L0160	11,0	100	160	1	**29.67**
110D12L0160	12,0	100	160	1	**29.84**
110D13L0160	13,0	100	160	1	**47.70**
110D14L0160	14,0	100	160	1	**42.79**
110D16L0160	16,0	100	160	1	**61.31**
L 150 x 210					
110D05L0210	5,0	150	210	1	**29.02**
110D06L0210	6,0	150	210	1	**22.30**
110D06.5L0210	6,5	150	210	1	**23.44**
110D07L0210	7,0	150	210	1	**29.02**
110D08L0210	8,0	150	210	1	**23.93**
110D09L0210	9,0	150	210	1	**32.13**
110D10L0210	10,0	150	210	1	**28.36**
110D11L0210	11,0	150	210	1	**36.23**
110D12L0210	12,0	150	210	1	**42.30**
110D13L0210	13,0	150	210	1	**50.66**
110D14L0210	14,0	150	210	1	**44.75**
110D16L0210	16,0	150	210	1	**64.10**
110D18L0210	18,0	150	210	1	**85.41**
110D20L0210	20,0	150	210	1	**105.25**

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
110D22L0210	22,0	150	210	1	**154.92**
110D25L0210	25,0	150	210	1	**196.39**
L 200 x 260					
110D06L0260	6,0	200	260	1	**28.52**
110D06.5L0260	6,5	200	260	1	**29.18**
110D07L0260	7,0	200	260	1	**46.39**
110D08L0260	8,0	200	260	1	**30.16**
110D10L0260	10,0	200	260	1	**38.36**
110D12L0260	12,0	200	260	1	**45.74**
110D13L0260	13,0	200	260	1	**53.61**
110D14L0260	14,0	200	260	1	**53.28**
110D15L0260	15,0	200	260	1	**71.48**
110D16L0260	16,0	200	260	1	**71.97**
110D18L0260	18,0	200	260	1	**89.34**
110D20L0260	20,0	200	260	1	**113.28**
110D22L0260	22,0	200	260	1	**165.57**
110D24L0260	24,0	200	260	1	**212.13**
110D25L0260	25,0	200	260	1	**228.69**
L 250 x 310					
110D05L0310	5,0	250	310	1	**47.21**
110D06L0310	6,0	250	310	1	**56.72**
110D08L0310	8,0	250	310	1	**50.82**
110D10L0310	10,0	250	310	1	**52.79**
110D12L0310	12,0	250	310	1	**69.02**
110D13L0310	13,0	250	310	1	**71.48**
110D14L0310	14,0	250	310	1	**77.87**
110D16L0310	16,0	250	310	1	**86.72**
110D18L0310	18,0	250	310	1	**119.18**
110D20L0310	20,0	250	310	1	**115.57**
110D22L0310	22,0	250	310	1	**140.98**
110D24L0310	24,0	250	310	1	**241.64**
110D25L0310	25,0	250	310	1	**276.07**
110D26L0310	26,0	250	310	1	**328.52**
110D28L0310	28,0	250	310	1	**451.31**
L 350 x 410					
110D08L0410	8,0	350	410	1	**85.41**
110D10L0410	10,0	350	410	1	**71.64**
110D12L0410	12,0	350	410	1	**85.41**
110D14L0410	14,0	350	410	1	**95.25**
110D16L0410	16,0	350	410	1	**95.25**
110D18L0410	18,0	350	410	1	**138.03**
110D20L0410	20,0	350	410	1	**173.77**
110D22L0410	22,0	350	410	1	**209.02**
110D24L0410	24,0	350	410	1	**270.98**
110D25L0410	25,0	350	410	1	**330.33**
L 400 x 460					
110D06L0460	6,0	400	460	1	**75.25**
110D08L0460	8,0	400	460	1	**72.13**
110D10L0460	10,0	400	460	1	**80.49**
110D12L0460	12,0	400	460	1	**80.66**
110D14L0460	14,0	400	460	1	**94.59**
110D16L0460	16,0	400	460	1	**104.43**
110D18L0460	18,0	400	460	1	**121.15**
110D20L0460	20,0	400	460	1	**134.10**
110D22L0460	22,0	400	460	1	**163.44**
110D24L0460	24,0	400	460	1	**194.43**
110D25L0460	25,0	400	460	1	**206.39**
110D26L0460	26,0	400	460	1	**218.20**
110D28L0460	28,0	400	460	1	**261.80**
110D30L0460	30,0	400	460	1	**501.48**

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 550 x 610					
110D08L0610	8,0	550	610	1	**109.02**
110D10L0610	10,0	550	610	1	**111.15**
110D12L0610	12,0	550	610	1	**113.61**
110D14L0610	14,0	550	610	1	**122.95**
110D16L0610	16,0	550	610	1	**136.89**
110D18L0610	18,0	550	610	1	**175.57**
110D20L0610	20,0	550	610	1	**226.07**
110D22L0610	22,0	550	610	1	**283.77**
110D24L0610	24,0	550	610	1	**323.44**
110D25L0610	25,0	550	610	1	**376.89**
L 940 x 1000					
110D08L1000	8,0	940	1000	1	**405.74**
110D10L1000	10,0	940	1000	1	**405.74**
110D12L1000	12,0	940	1000	1	**405.74**
110D14L1000	14,0	940	1000	1	**428.52**
110D16L1000	16,0	940	1000	1	**480.98**
110D18L1000	18,0	940	1000	1	**573.44**
110D20L1000	20,0	940	1000	1	**640.82**
110D22L1000	22,0	940	1000	1	**800.49**
110D25L1000	25,0	940	1000	1	**878.03**

110

Truse burghie SDS-plus pentru beton Twister PLUS



116D





105D



102C



136C



100C

DIAGER

SDS plus

	Dimensiune	Ambalare	
116D	10 piese	1	**393.44**
	L110 Ø5-6-8 L160Ø6(x2)-8(x2)-10-12-14		
105D	7 piese	1	**277.70**
	L110 Ø5-6-8 L160Ø6-8-10-12		
102C	7 piese	1	**218.20**
	L110 Ø5-6-8 L160Ø6-8-10-12		
136C	5 piese	1	**168.85**
	L110 Ø6-8 L160Ø6-8-10		
100C	4 piese	1	**116.72**
	L160Ø5-6-8-10		

118 NOU

Burghie SDS-plus cu 3 si 6 muchii pentru beton cu armatura RockFaster

• cu insertia sa 100% din carbura si un numar de muchii de taiere care se adapteaza la diametrele de gaurire, RockFaster asigura distrugerea maxima a betonului armat in timp minim
• burghiu precis, producand gauri perfect cilindrice, calibrate, fara fisuri in beton, astfel incat ancorele dumneavoastra se vor mentine pe loc cat mai mult posibil
• ideal pentru a face gauri pentru toate tipurile de fixari, tevi, cabluri si altele
• canale largi pentru o mai buna evacuare a prafului si o ventilatie optima pentru a preveni supraincalzirea
• o mai mare rezistenta la uzura si vibratii
• 3 muchii pentru ø5 pana la 7 si 6 muchii pentru ø8 pana la 20.







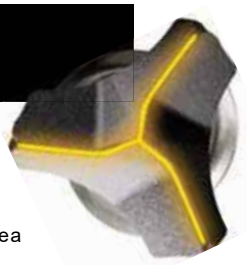
DIAGER

RockFaster+

	Ø	LA	LT	g	
118D05L0110	5	50	110	41	48.03
118D06.5L0160	6.5	50	110	53	50.82
118D06.5L0210	6.5	50	110	61	64.59
118D06L0110	6	50	110	44	43.61
118D08L0110	8	50	110	51	47.05
118D10L0110	10	50	110	60	56.72
118D05L0160	5	100	160	48	46.23
118D06L0160	6	100	160	50	45.57
118D07L0160	7	100	160	60	56.56
118D08L0160	8	100	160	62	47.21
118D10L0160	10	100	160	77	56.89
118D12L0160	12	100	160	95	70.00
118D14L0160	14	100	160	111	82.46
118D16L0160	16	100	160	150	104.10
118D06L0210	6	150	210	58	64.59
118D07L0210	7	150	210	65	66.72
118D08L0210	8	150	210	75	65.74
118D10L0210	10	150	210	94	74.59
118D12L0210	12	150	210	119	84.43
118D14L0210	14	150	210	150	109.34
118D15L0210	15	150	210	195	123.28
118D16L0210	16	150	210	185	130.16
118D18L0210	18	150	210	245	182.30
118D20L0210	20	150	210	290	243.44
118D06.5L0260	6.5	200	260	69	75.74
118D06L0260	6	200	260	65	70.16
118D08L0260	8	200	260	87	64.59
118D10L0260	10	200	260	109	71.80
118D12L0260	12	200	260	142	85.57
118D14L0260	14	200	260	172	105.08
118D16L0260	16	200	260	208	110.98
118D18L0260	18	200	260	293	141.31
118D20L0260	20	200	260	360	173.77

	Ø	LA	LT	g	
118D06.5L0310	6.5	250	310	78	67.54
118D06L0310	6	250	310	65	67.54
118D08L0310	8	250	310	99	86.23
118D10L0310	10	250	310	132	95.41
118D12L0310	12	250	310	169	113.61
118D14L0310	14	250	310	207	133.11
118D15L0310	15	250	310	286	129.84
118D16L0310	16	250	310	255	136.89
118D18L0310	18	250	310	360	208.03
118D20L0310	20	250	310	428	265.57
118D08L0460	8	400	460	135	222.13
118D10L0460	10	400	460	179	225.90
118D12L0460	12	400	460	208	248.20
118D14L0460	14	400	460	299	274.59
118D16L0460	16	400	460	413	290.82
118D18L0460	18	400	460	530	383.93
118D20L0460	20	400	460	529	410.16
118D08L0610	8	550	610	170	227.54
118D10L0610	10	550	610	234	229.67
118D12L0610	12	550	610	310	231.48
118D14L0610	14	550	610	384	293.11
118D16L0610	16	550	610	550	306.07
118D18L0610	18	550	610	750	410.98
118D20L0610	20	550	610	833	470.16
118D08L1000	8	940	1000	256	515.90
118D10L1000	10	940	1000	492	531.31
118D12L1000	12	940	1000	520	546.72
118D14L1000	14	940	1000	630	564.92
118D16L1000	16	940	1000	880	591.80
118D18L1000	18	940	1000	1153	884.10
118D20L1000	20	940	1000	1420	934.10

NUMAR DE TAIERI
SCALABIL



RockFaster
3 MUCHII
De la Ø5 la Ø7
canale pentru evacuarea optimizata a prafului

Acestea necesita mai putin efort în termeni de putere și număr de tăișuri. De asemenea, este important să nu se suprasolicite insertul la un unghi pe aceste diametre mici pentru a nu comprima praful și a asigura evacuarea corespunzătoare a acestuia.

ADAPTATE PENTRU FIECARE
DIAMETRU



RockFaster+
6 MUCHII
De la Ø8 la Ø20
canale pentru evacuarea optimizata a prafului intr-un timp minim

Pentru o distribuție mai bună a efortului, care permite o uzură uniformă a tăișurilor și o durată de viață mai mare. Structurate cu tăișuri la unghiuri de:

> 3 MUCHII CENTRALE LA UN UNGHI DE 130°
Inițiază găurirea și garantează centrare și penetrare

> 3 MUCHII PERIFERICE LA 145°
Preiau și completează lucrarea, având un efect de rupere a betonului

1002A NOU

Set 7 burghie pentru beton RockFaster



DIAGER

RockFaster+

	Ø	g	
1002A	7	746	538.20

L110mm Ø6-8-10 L160mm Ø6-8-10-12mm

1003A NOU

Set 10 burghie pentru beton RockFaster



DIAGER

RockFaster+

	Ø	g	
1003A	10	730	756.23

L160mm Ø6(x3)-8(x3)-10(x2)-12-14mm

1004A NOU

Set 5 burghie pentru beton RockFaster



DIAGER

RockFaster+

	Ø	g	
1004A	5	315	292.95

L110mm Ø5-6 / L160mm Ø6-8-10mm

1005A NOU

Set 5 burghie pentru beton RockFaster



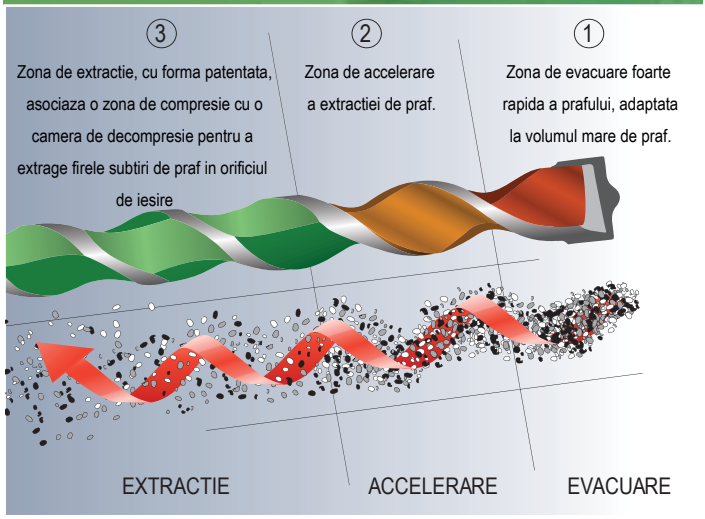
DIAGER

RockFaster+

	Ø	g	
1005A	5	285	271.64

L110mm Ø5(x2) L160mm Ø6(x2)-8mm

Noua spira TRI-ZONE



112

Burghie SDS-plus pentru beton cu 4 taisuri

- *varf monobloc din carbura 4 cu muchii taietoare*
- *4 caneluri de evacuare*
- *varf de centrare*
- *durata de utilizare prelungita*
- *evacuarea rapida a prafului*
- *rezistenta la torsiune*





Ø 10

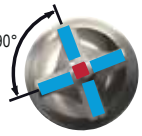
	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 50 x 110					
112D05L0110	5,0	50	110	1	**39.51**
112D05.5L0110	5,5	50	110	1	**44.26**
112D06L0110	6,0	50	110	1	**39.84**
112D06.5L0110	6,5	50	110	1	**46.07**
112D08L0110	8,0	50	110	1	**48.69**
L 100 x 160					
112D05.5L0160	5,5	100	160	1	**48.69**
112D06L0160	6,0	100	160	1	**43.28**
112D06.5L0160	6,5	100	160	1	**46.56**
112D08L0160	8,0	100	160	1	**50.00**
112D10L0160	10,0	100	160	1	**54.92**
112D12L0160	12,0	100	160	1	**61.15**
112D13L0160	13,0	100	160	1	**80.98**
112D14L0160	14,0	100	160	1	**97.54**
112D15L0160	15,0	100	160	1	**115.90**
112D16L0160	16,0	100	160	1	**119.84**
L 150 x 210					
112D06L0210	6,0	150	210	1	**46.39**
112D06.5L0210	6,5	150	210	1	**77.05**
112D08L0210	8,0	150	210	1	**53.61**
112D10L0210	10,0	150	210	1	**60.82**
112D12L0210	12,0	150	210	1	**74.59**
112D14L0210	14,0	150	210	1	**115.08**
112D16L0210	16,0	150	210	1	**147.38**
L 200 x 260					
112D06L0260	6,0	200	60	1	**73.77**
112D08L0260	8,0	200	260	1	**63.93**
112D10L0260	10,0	200	260	1	**69.84**
112D12L0260	12,0	200	260	1	**84.75**
112D22L0260	22,0	200	260	1	**367.21**
112D24L0260	24,0	200	260	1	**468.69**
112D25L0260	25,0	200	260	1	**499.02**
112D26L0260	26,0	200	260	1	**536.07**
L 250 x 310					
112D06L0310	6,0	250	310	1	**99.51**
112D06.5L0310	6,5	250	310	1	**115.08**
112D08L0310	8,0	250	310	1	**91.15**
112D10L0310	10,0	250	310	1	**93.28**
112D12L0310	12,0	250	310	1	**121.80**
112D14L0310	14,0	250	310	1	**147.38**
112D16L0310	16,0	250	310	1	**191.97**
112D18L0310	18,0	250	310	1	**217.87**
112D20L0310	20,0	250	310	1	**285.08**
L 400 x 460					
112D08L0460	8,0	400	460	1	**204.92**
112D10L0460	10,0	400	460	1	**179.34**
112D12L0460	12,0	400	460	1	**191.97**
112D14L0460	14,0	400	460	1	**191.97**
112D16L0260	16,0	400	460	1	**224.53**
112D18L0460	18,0	400	460	1	**330.33**
112D20L0460	20,0	400	460	1	**340.66**
112D22L0460	22,0	400	460	1	**513.11**
112D24L0460	24,0	400	460	1	**666.72**
112D25L0460	25,0	400	460	1	**772.46**
112D26L0460	26,0	400	460	1	**889.18**
112D28L0460	28,0	400	460	1	**1287.54**
112D30L0460	30,0	400	460	1	**1562.79**
112D32L0460	32,0	400	460	1	**1718.36**

MAI RAPID **DURATA DE VIATA PRELUNGITA** **EFICIENTA**





- 4 spatii largi pentru evacuare material dislocat
- 4 canale de evacuare
- 4 muchii subtiri pentru diminuarea frecarii



- Punct de centrare pentru pornire usoara
- 150° 4 taisuri, distribuite la 90° pentru efect de spargere a betonului

112Q

Trusa 4 burghie SDS-plus cu 4 taisuri 4G4

- *varf monobloc din carbura 4 cu muchii taietoare*
- *4 caneluri de evacuare*
- *varf de centrare*
- *durata de utilizare prelungita*
- *evacuarea rapida a prafului*
- *rezistenta la torsiune*



	Dimensiune	Ambalare	
112Q	4 piese	1	**223.93**
SDS+ L160D.6-8(x2)-10-12			

104

Burghie SDS-plus pentru boltari si caramida Porotherm

SDS plus

- *ascutire varf 130°*
- *zona evacuare scurta*
- *pas spira lung*
- *percutie redusa*
- *ideal pentru boltari*
- *micropercutia asigura gaurirea peretilor subtiri fara spargerea acestora*
- *mareste puterea de ancorare*
- *forma spirei permite evacuarea usoara la gaurirea materialelor de izolare*





Ø 10

WALLSTER

< 5 KG

DIAGER

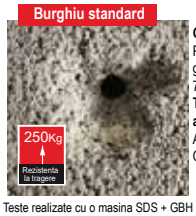
DIAGER INNOVATION



	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 100 x 160					
104D05L0160	5,0	100	160	1	**50.49**
104D06L0160	6,0	100	160	1	**51.80**
104D08L0160	8,0	100	160	1	**53.61**
104D10L0160	10,0	100	160	1	**57.87**
L 200 x 260					
104D06L0260	6,0	200	260	1	**73.93**
104D08L0260	8,0	200	260	1	**76.07**
104D10L0260	10,0	200	260	1	**77.70**
104D12L0260	12,0	200	260	1	**80.82**
104D14L0260	14,0	200	260	1	**93.44**
104D16L0260	16,0	200	260	1	**100.82**
L 400 x 460					
104D08L0460	8,0	400	460	1	**104.92**
104D10L0460	10,0	400	460	1	**114.10**

TEST COMPARATIV: GAURIRE SI ANCORARE IN BOLTARI

Burghiu standard



Gaurire
Peretele este deteriorat, grosimea ramane de doar 7 mm.
Testarea ruperii pentru ancora chimica
Ancora cedeaza imediat.
Cedeaza la 250 kg

WALLSTER



Gaurire
Peretele este intact si isi pastreaza grosimea initiala de 16 mm.
Testarea ruperii pentru fixarea chimica
Fixarea rezista perfect.
Peretele cedeaza primul.
Cedeaza la 700 kg

Teste realizate cu o masina SDS + GBH 2 cu percutie in bloc de beton gol, cu ancora chimica.



102

Burghie SDS-plus pentru instalare tocuri de termopan

SDS plus

- *varf din carbura monobloc, cu autocentrare pentru realizarea unor gauri precise*
- *ascutirea unghiului: 135°*
- *3 muchii de taiere*
- *spira cu sectiune patrata - pentru o mai buna eliminare a prafului*
- *corp ranforsat*
- *compatibil SDS-plus*

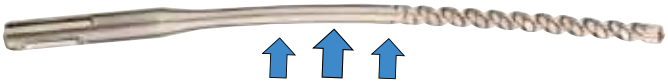






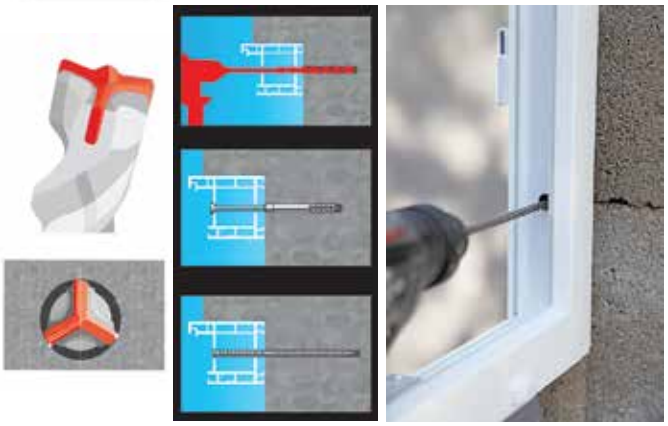
Ø 10

FLEX



DIAGER INNOVATION

< 5 KG





DIAGER

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 150 x 210					
102D06L0210	6,0	150	210	1	**74.43**
102D06.5L0210	6,5	150	210	1	**74.10**
L 550 x 610					
102D06L0260	6,0	200	260	1	**75.25**
102D06.5L0260	6,5	200	260	1	**78.36**

108

Burghie SDS-plus cu limitator de adancime

- *varf carbura monobloc cu autocentrare*
- *unghiul varfului 135°*
- *3 muchii de taiere*
- *spira semirotunda*
- *limitator al adancimii de gaurire*
- *compatibil SDS-plus*
- *limitarea adancimii de gaurire permite controlul precis asupra gauririi repetitive*
- *varf din carbura monobloc cu trei muchii taietoare pentru toate tipurile de beton, inclusiv beton armat.*
- *aplicatii: instalarea de scaune de stadion, suporturi de cablu, sistem de ventilatie ...*





DIAGER

< 5 KG

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
108D08L0027	8,0	27	27	1	**91.31**
108D10L0033	10,0	33	33	1	**110.98**
108D12L0043	12,0	43	43	1	**146.72**
108D15L0054	15,0	54	54	1	**170.49**



184

Burghie SDS-plus pentru granit

- *varf cu profil special pentru gaurirea granitului*
- *spira cu profil L*
- *compatibil SDS-plus*
- *ideal pentru gaurirea granitului clasa 1 si 3*









DIAGER

< 5 KG

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 50 x 110					
184D03L0085	3,0	50	85	1	**66.23**
184D04L0110	4,0	50	110	1	**59.18**
184D05L0110	5,0	50	110	1	**48.52**
184D06L0110	6,0	50	110	1	**48.52**
184D08L0110	8,0	50	110	1	**53.61**
184D10L0110	10,0	50	110	1	**60.66**
L 100 x 160					
184D04L0160	4,0	100	160	1	**62.30**
184D05L0160	5,0	100	160	1	**55.41**
184D06L0160	6,0	100	160	1	**51.97**
184D08L0160	8,0	100	160	1	**57.21**
184D10L0160	10,0	100	160	1	**66.23**
184D12L0160	12,0	10	160	1	**76.89**



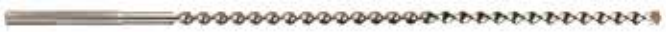
174

Burghiu pentru pamant SDS-MAX GroundMAX

- *solul este un material liber dar si dens in acelasi timp este de fapt un material care trebuie gaurit si apoi evacuat si care este foarte diferit de beton sau piatra*

Caracteristici si beneficii

- *130° unghi - pozitiv*
- *capul din carbura este special construit pentru a evita spargerea / deteriorarea lui atunci cand intalneste minerale agregate/piatra in sol.*
- *capul este subtire si bine inserat in corpul burghiului. Acest aspect ii confera o mai buna protectie.*
- *in plus permite astfel o mai mare sectiune de evacuare a solului dupa perforare.*
- *capul bine protejat confera o mai mare durabilitate*
- *capul are 2 puncte de taiere/doua taisuri*
- *capul este brazat cu cupru pe corpul burghiului.*
- *carbura metalica este fabricata: Made in Europe*





Cap din carbura metalica (VIDIA) robust si rezistent



Spirala specifica/speciala pentru extractie sol



Prindere SDS-Max

- *suprafata de evacuare rotunjita (Half-round) adanca*
- *pas de evacuare optimizat*
- *margine exterioara subtire pentru a diminua frecarea/uzura si a mari sectiunea de evacuare*
- *sectiunea mare de evacuare*
- *suprafata de evacuare fragmentata pentru a evita lipirea solului umed/noroi*
- *suprafata de evacuare realizata prin frezare si ulterior finisata prin sablare*
- *se reduce la minim rezistenta solului la forare:*
  imbunatateste penetrarea/forarea solului
  mareste viteza de extractie dupa forare

DIAGER

< 5 KG

SDS max

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
174D18L0540	18,0		540	1	**550.16**
174D18L0940	18,0		940	1	**968.03**

Burghie SDS-max pentru beton cu 10 muchii de taiere si cap din carbura 100%

> 5 KG

SDS max

Caracteristici:

- capul compact, monobloc, al noului burghiu ULTIMAX 646 are 10 muchii active si cu 50% mai mult carbura
- caracteristicile sale tehnice ii confera o viteza si o robustete de neegalat pentru o durata de viata extrema.
- datorita combinatiei optime a muchiilor concave si convexe si efectului de demolare are o capacitate de taiere a armaturilor din beton.
- unghi de ascutire de 130° pentru o mai buna penetrare
- punct de centrare agresiv
- muchii laterale cu indicator de uzura
- garanteaza o gaurire concentrica cu dimensiunile precise
- puterea de perforare este concentrata in axa burghiului
- performanta ideala atunci cand este utilizat pe cele mai puternice rotopercutoare
- vibratii reduse

ULTIMAX 646





DIAGER®

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 200 x 340					
166D12L0340	*12	200	340	1	**221.97**
166D14L0340	14	200	340	1	**213.28**
166D16L0340	16	200	340	1	**260.00**
166D18L0340	18	200	340	1	**264.10**
166D20L0340	20	200	340	1	**264.59**
166D22L0340	22	200	340	1	**284.59**
166D24L0340	24	200	340	1	**284.59**
166D25L0340	25	200	340	1	**309.51**
166D26L0340	26	200	340	1	**346.23**
166D28L0340	28	200	340	1	**372.95**
166D30L0340	30	200	340	1	**412.62**
166D32L0340	32	200	340	1	**446.23**
166D35L0340	35	200	340	1	**485.90**
166D36L0340	36	200	340	1	**521.97**
166D42L0340	42	200	340	1	**894.26**

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 400 x 540					
166D12L0540	*12	400	540	1	**237.70**
166D16L0540	16	400	540	1	**268.36**
166D18L0540	18	400	540	1	**285.74**
166D20L0540	20	400	540	1	**317.21**
166D22L0540	22	400	540	1	**348.36**
166D24L0540	24	400	540	1	**348.36**
166D25L0540	25	400	540	1	**381.15**
166D26L0540	26	400	540	1	**369.02**
166D28L0540	28	400	540	1	**414.43**
166D30L0540	30	400	540	1	**397.87**
166D32L0540	32	400	540	1	**467.05**
166D35L0540	35	400	540	1	**525.74**
166D36L0540	36	400	540	1	**515.41**
166D38L0540	38	400	540	1	**773.61**
166D40L0540	40	400	540	1	**991.97**
166D42L0540	42	400	540	1	**916.72**
166D45L0540	45	400	540	1	**1388.69**
L 550 x 690				1	
166D16L0690	16	550	690	1	**263.11**
166D18L0690	18	550	690	1	**355.74**
166D20L0690	20	550	690	1	**387.21**
166D22L0690	22	550	690	1	**412.30**
166D24L0690	24	550	690	1	**396.56**
166D25L0690	25	550	690	1	**426.56**
166D26L0690	26	550	690	1	**448.52**
166D28L0690	28	550	690	1	**472.30**
166D30L0690	30	550	690	1	**608.03**
166D32L0690	32	550	690	1	**702.30**
166D35L0690	35	550	690	1	**771.97**
166D36L0690	36	550	690	1	**773.61**
166D38L0690	38	550	690	1	**833.28**
166D40L0690	40	550	690	1	**1190.16**
166D42L0690	42	550	690	1	**1190.16**
166D45L0690	45	550	690	1	**1487.87**
L 780 x 920					
166D22L0920	22	780	920	1	**456.23**
166D24L0920	24	780	920	1	**465.57**
166D25L0920	25	780	920	1	**507.70**
166D28L0920	28	780	920	1	**641.48**
166D30L0920	30	780	920	1	**732.13**
166D32L0920	32	780	920	1	**836.07**
166D35L0920	35	780	920	1	**900.00**
166D36L0920	36	780	920	1	**1086.23**
166D40L0920	40	780	920	1	**1190.16**
166D42L0920	42	780	920	1	**1275.08**
166D45L0920	45	780	920	1	**1686.39**
L 1160 x 1300					
166D22L1300	22	1160	1300	1	**833.28**
166D25L1300	25	1160	1300	1	**1228.03**
166D32L1300	32	1160	1300	1	**1584.59**
L 1360 x 1500					
166D20L1500	20	1360	1500	1	**991.97**
166D25L1500	25	1360	1500	1	**1311.48**
166D28L1500	28	1360	1500	1	**1587.05**
166D32L1500	32	1360	1500	1	**1785.57**
166D40L1500	40	1360	1500	1	**2579.18**

*** 3 muchii taietoare**
**** 6 muchii taietoare**

Putere recomandata rotopercutor / diametru burghiu

Utilizarea unui echipament necompatibil poate duce la ruperea burghiului

UNEALTA Compatibila	Forta impact (Joule)	Greutate in kg	DIAMETRU																			
			12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
SDS-max Rotopercutor cu cablu	8-9	6-7																				
	12-13	8-9																				
	19-20	11-12																				

Optim Ocazional Necompatibil

161

Burghie SDS-max pentru beton cu sistem de aspiratie a prafului

Caracteristici

- *2 gauri largi de aspiratie a prafului*
- *mansonul de conectare la aspirator*
- *sistem cap masiv, carbura 100%, 10 taietori, varf de auto-centrare*

Beneficii

- *lucru fara praf*
- *operatorii lucreaza fara riscuri pentru sanatatea lor*
- *gaurirea si curatarea gaurilor si curatarea locului de lucru intr-o singură etapa*
- *economie de timp pentru gaurirea, fixarea si curtarea locului de munca si o mai buna profitabilitate*
- *curatarea perfecta a orificiului pentru o rezistenta foarte buna la fixare.*
- *evacuarea prafului in timpul forarii imbunatateste durata de viata a burghiului*

Aplicatii

- *beton armat, beton (umed sau vechi), piatra, blocuri de zidarie, caramida, var.*
- *conexiuni in parti structurale (poduri, tuneluri, renovari sau imbunatatiri la cadrul ferestrelor)*
- *gaurirea in incaperi inchise, spatii curate, spitale, laboratoare*

> 5 KG

SDS max

SPEEDUSTER 646



TÊTE MASSIVE SYSTÈME

Ø 18



3 muchii taietoare:
Ø 14-16-18-20 mm



sistem cap masiv:
Ø 22-25-28-30-32-35 mm

DIAGER

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
161D14L0610	14	400	610	1	**1233.44**
161D16L0610	16	400	610	1	**1242.79**
161D18L0610	18	400	610	1	**1259.67**
161D20L0610	20	400	610	1	**1280.98**
161D22L0610	22	400	610	1	**1303.77**
161D25L0610	25	400	610	1	**1339.51**
161D30L0610	30	400	610	1	**1483.93**
161D32L0610	32	400	610	1	**1534.75**

MENTINE LOCUL DE MUNCA CURAT



Burghiul de aspiratie SPEEDUSTER permite aspirarea prafului generat in timpul gauririi. Santierul se mentine curat, nu trebuie sa pierzi timpul! Echipamentul este protejat de praf si rezista mai mult.

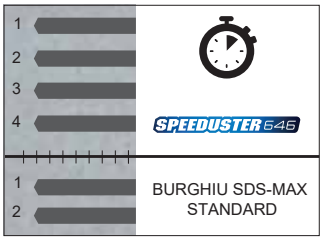
ASIGURA PROTECTIE



Operatorii sunt protejati impotriva riscurilor cauzate de praf. Sanatatea lor este respectata. Munca lor este mai putin dureroasa. Articolul L. 231-1 din Codul muncii stabileste valoarea medie a expunerii pentru silicate sub forma de cuart (praf respirabil) la 0,1 mg / m³ timp de 8 ore de lucru.

GAURIRE ULTRA RAPIDA

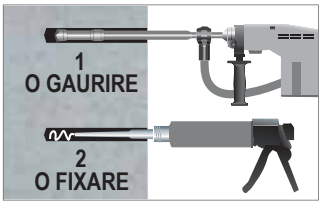
GAURESTE DE 2X MAI REPEDE



Burghiul de aspiratie SPEEDUSTER face 4 gauri la 2 pentru un burghiu standard SDS-MAX

PRODUCTIVITATE

FIXARE DOAR IN 2 ETAPE



Gaurirea si curatarea se realizeaza intr-o singura etapa o singura etapa. Rezistenta diblurilor chimice beneficiaza de fixare marita de zece ori datorita gaurilor perfect curate. Exista o economie reala de timp si o rentabilitate sporita in santiere

114

NOU

Burghie SDS-plus pentru beton cu sistem de aspiratie a prafului

Caracteristici

- *3 gauri largi de aspiratie a prafului*
- *mansonul de conectare la aspirator*
- *sistem cap masiv, 3 taietori, varf de auto-centrare*

Beneficii

- *lucru fara praf*
- *operatorii lucreaza fara riscuri pentru sanatatea lor*
- *gaurirea si curatarea gaurilor si curatarea locului de lucru intr-o singură etapa*
- *economie de timp pentru gaurirea, fixarea si curtarea locului de munca si o mai buna profitabilitate*
- *curatarea perfecta a orificiului pentru o rezistenta foarte buna la fixare.*
- *evacuarea prafului in timpul forarii imbunatateste durata de viata a burghiului*

Aplicatii

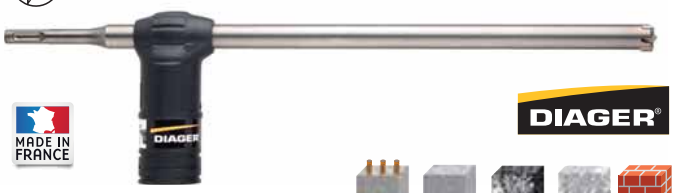
- *beton armat, beton (umed sau vechi), piatra, blocuri de zidarie, caramida, var.*
- *conexiuni in parti structurale (poduri, tuneluri, renovari sau mbunatatiri la cadrul ferestrelor)*
- *gaurirea in incaperi inchise, spatii curate, spitale, laboratoare*

< 5 KG

SPEEDUSTER



Ø 18



MADE IN FRANCE

DIAGER



	Dimensiune	Lungime activa	Lungime totala	Ambalare	
1140D12L0410	12	265	410	1	**0000.00**
1140D14L0410	14	265	410	1	**0000.00**
1140D16L0410	16	265	410	1	**0000.00**
1140D18L0410	18	265	410	1	**0000.00**
1140D20L0410	20	265	410	1	**0000.00**

165

Burghie SDS-max de strapungere pentru beton

- *cap din carbura cu burghiu de centrare*
- *spira dubla adanca filetata in partea frontala a burghiului*
- *compatibil SDS-max*
- *diametre intre 45 si 80 mm*
- *gauri concentrice si calibrate*





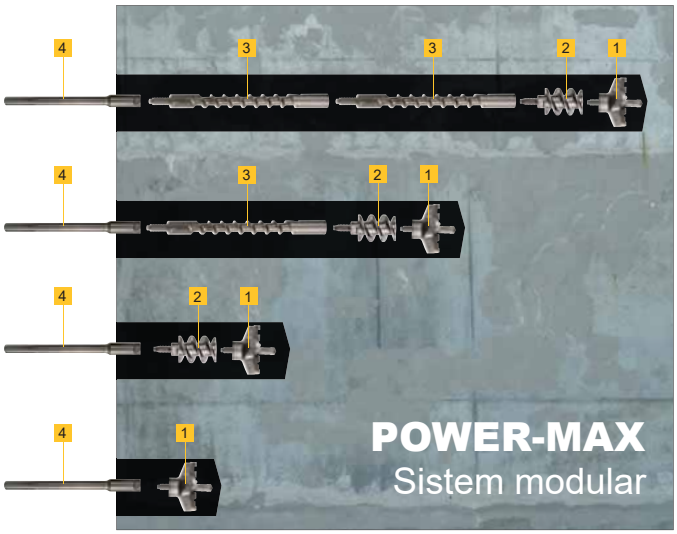
Ø 18

DIAGER

CROSSER

< 5 KG

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
L 450 x 590					
165D45L0590	45,0	450	590	1	**1587.05**
165D65L0590	65,0	450	590	1	**1904.43**
165D80L0590	80,0	450	590	1	**2281.48**
L 780 x 990					
165D45L0990	45,0	780	990	1	**1785.57**
165D55L0990	55,0	780	990	1	**1897.54**
165D65L0990	65,0	780	990	1	**2082.95**
165D80L0990	80,0	780	990	1	**2480.00**



POWER-MAX

- *sistem modular reglabil pentru realizarea de gauri mai adanci de 1 m*
- *posibilitate de montare capete de gaurire Ø32-80 mm si carote cu placute din carbura Ø30-125 mm*
- *cap cu placute din carbura si burghiu de centrare cu 2 muchii taietoare*

Indicatii:

- *finalizati asamblarea cu ajutorul unei chei*
- *lubrefiati regulat filetele ansamblului*
- *montati arcul (inclus) in partea mama (sistemul de blocare)*

< 5 KG



373B 1

Cap de taiere cu varf de centrare Power-Max



DIAGER

< 5 KG

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
373BD44	44,0	-	43	1	**1036.39**
373BD52	52,0	-	43	1	**1171.15**
373BD60	60,0	-	43	1	**1373.11**
373BD66	66,0	-	43	1	**1585.08**
373BD80	80,0	-	43	1	**1874.43**

372B 2

Spira Power-Max



DIAGER

< 5 KG

	Dimensiune	Utilizare	Lungime totala	Ambalare	
372BD40	40,0	Ø44-52	180	1	**777.21**
372BD55	55,0	Ø60-80	90	1	**1416.89**

371B 3

Prelungitor, racord cu filet si arc Power-Max



DIAGER

< 5 KG

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
371BD0280	14,0	-	280	1	**635.74**

370B 4

Adaptor Power-Max



DIAGER

< 5 KG

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
370BD0250	14,0	-	250	1	**508.03**
370BD0450	14,0	-	450	1	**874.92**
370BD0850	14,0	-	850	1	**1574.75**

375B

Racord pentru carotiere Power-Max surub + arc



DIAGER

< 5 KG

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
375B	14,0	-	62	1	**87.70**

168 NOU

Burghie SDS-max pentru beton cu 6 muchii lungime pana la 4 m

Caracteristici:
• capul compact, monobloc, cu 6 muchii active
• caracteristicile sale tehnice ii confera o viteza si o robustete de neegalat pentru
o durata de viata extrema.
• datorita combinatiei optime a muchiilor concave si convexe si efectului de demolare
are o capacitate de taiere a armaturilor din beton.
• unghi de ascutire de 130° pentru o mai buna penetrare
• punct de centrare agresiv
• muchii laterale cu indicator de uzura
• garanteaza o gaurire concentrica cu dimensiunile precise
• puterea de perforare este concentrata in axa burghiului
• performanta ideala atunci cand este utilizat pe cele mai puternice rotopercutoare
• vibratii reduse

ULTIMAX 545









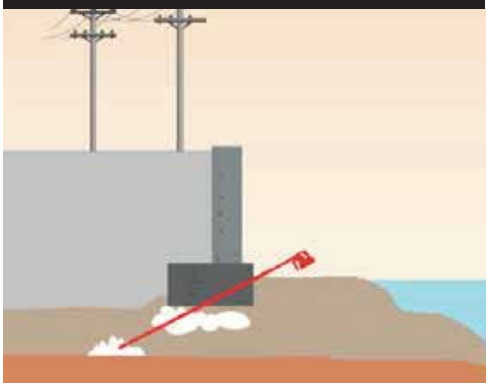




DIAGER

	Ø	LU	LT		
168D22L1925	22	1500	2000	1	1722.13
168D25L1925	25	1500	2000	1	1815.57
168D22L2500	22	2080	2500	1	2572.79
168D25L2500	25	2080	2500	1	2645.41
168D22L3000	22	2580	3000	1	3579.18
168D25L3000	25	2580	3000	1	3786.72
168D22L3500	22	3080	3500	1	3682.95
168D25L3500	25	3080	3500	1	4305.41
168D22L4000	22	3580	4000	1	4149.67
168D25L4000	25	3580	4000	1	4772.30

CONSOLIDARE
LUCRARI LANGA RAURI



CONSOLIDARI DE FUNDATII
INJECTARE RASINI



093C NOU

Set Power-max

• *set Power-max gata de utilizare cu 2 capete de 32 si 44 mm*



DIAGER

	Ø	LT	
093C	32 - 44	910 - 1000	4220.98

090C NOU

Set Power-max

• *set Power-max gata de utilizare cu 2 capete de 44 si 52 mm*



DIAGER

	Ø	LT	
090C	44 - 52	1000	4427.38

091C NOU

Set Power-max

• *set Power-max gata de utilizare cu 2 capete de 52 si 66 mm*



DIAGER

	Ø	LT	
091C	52 - 66	910 - 1000	5511.31

092C NOU

Set Power-max

• *set Power-max gata de utilizare cu 2 capete de 52 si 80 mm*



DIAGER

	Ø	LT	
092C	52 - 80	910 - 1000	5740.66

322

Dalta cu varf ascutit elicoidal SDS-plus

- *dalta cu varf elicoidal care faciliteaza distrugerea materialelor, evita blocajele si permite o eficienta mai buna• 4 margini taietoare antiblocare*
- *finisare: brunare cu cap sablat*
- *compatibile: SDS-plus / SDS-max / SDS-top / SDS-plus & SPIT*



DIAGER

	Dimensiune	Lungime totala		
compatibila SDS-plus				
322D12L0250	12	250	170	**82.30**
322D14L0250	14	250	260	**43.77**

342

Dalta cu varf ascutit elicoidal SDS-max

- *dalta cu varf elicoidal care faciliteaza distrugerea materialelor, evita blocajele si permite o eficienta mai buna*
- *4 margini taietoare antiblocare*
- *finisare: brunare cu cap sablat*
- *compatibile: SDS-plus / SDS-max / SDS-top / SDS-plus & SPIT*



DIAGER

	Dimensiune	Lungime totala		
compatibila SDS-max				
342D18L0280	18	280	480	**70.49**
342D18L0400	18	400	721	**108.52**
342D18L0600	18	600	1130	**160.00**

318

Dalta lata SDS-plus

- *dalta plat de mare rezistenta pentru toate lucrarile de demolare*
- *pentru orice aplicatie in beton si piatra*



DIAGER

Made in Germany

	Dimensiune	Lungime totala		
compatibila SDS-plus				
318L20L0250	20	240	238	**66.56**
318L40L0200	40	200	258	**114.59**

343

Dalta lata SDS-max

- *dalta plat de mare rezistenta pentru toate lucrarile de demolare*
- *pentru orice aplicatie in beton si piatra*



DIAGER

Made in Germany

	Dimensiune	Lungime totala		
compatibila SDS-max				
343L115L0350	115	350	236	**433.93**
343L24L0280	24	280	505	**91.64**
343L24L0400	24	400	715	**111.15**
343L24L0600	24	600	1130	**148.03**
343L50L0360	50	360	720	**74.10**
343L80L0300	80	300	646	**249.02**

363

Cap dalta pentru buciardat

- *cap monobloc cu ciocan de buciardat cu 16 dinti din carbura*



DIAGER

Made in Germany

sectiune 45

	Dimensiune	Lungime activa	Lungime totala		
compatibila SDS-max					
363D16L0045	45	-	240	1220	**477.21**

329

Dalta lata curbata

- *pentru inlaturarea mortarului de pe caramizi*



DIAGER

Made in Germany

	Dimensiune	Lungime activa	Lungime totala		
compatibila SDS-plus					
329L10L0300	10	-	300	540	**339.84**

348

Dalta lata unghiulara SDS-plus



DIAGER

Made in Germany

	Dimensiune	Lungime activa	Lungime totala		
compatibila SDS-plus					
348L40L0200	40	-	200	236	**123.44**
348L80L0200	80		200	388	**-**

332 NOU

Dalta cu varf lat canelat SDS-plus KHORN

- *dalta ascutita ideala pentru lucrari de demolare de precizie*
- *varful sau cu autoascutire, canelat este robust, eficient si previne blocarea in timpul utilizarii*
- *caneluri autoascutibile*
- *compatibil SDS+*
- *beneficii: precizie, durata de viata, forjat*
- *aplicatii: indepartarea materialelor de constructii*



SDS plus KHORN



DIAGER made in E.U.



	Ø	L		
332L20L0250	20	250	260	91.31

334 NOU

Dalta cu varf lat canelat SDS-MAX KHORN

- *dalta ascutita ideala pentru lucrari de demolare de precizie*
- *varful sau cu autoascutire, canelat este robust, eficient si previne blocarea in timpul utilizarii*
- *caneluri autoascutibile*
- *cu inel de forta*
- *compatibil SDS-MAX*
- *beneficii: precizie, durata de viata, forjat*
- *aplicatii: indepartarea materialelor de constructii*



SDS max KHORN



DIAGER made in E.U.



	Ø	L		
334L25L0400	25	400	460	136.72

331 NOU

Dalta cu varf ascutit elicoidal SDS-plus KHORN

- *dalta ascutita ideala pentru lucrari de demolare de precizie*
- *varful sau cu autoascutire, elicoidal este robust, eficient si previne blocarea in timpul utilizarii*
- *spire autoascutibile*
- *compatibil SDS+*
- *beneficii: precizie, durata de viata, forjat*
- *aplicatii: indepartarea materialelor de constructii*



SDS plus KHORN



DIAGER made in E.U.



	Ø	L		
331D12L0250	12	250	260	99.51

333 NOU

Dalta cu varf ascutit elicoidal SDS-MAX KHORN

- *dalta ascutita ideala pentru lucrari de demolare de precizie*
- *varful sau cu autoascutire, elicoidal este robust, eficient si previne blocarea in timpul utilizarii*
- *spire autoascutibile*
- *cu inel de forta*
- *compatibil SDS-MAX*
- *beneficii: precizie, durata de viata, forjat*
- *aplicatii: indepartarea materialelor de constructii*



SDS max KHORN



DIAGER made in E.U.



	Ø	L		
333D20L0400	20	400	460	128.69

349

Dalta lata unghiulara



DIAGER

SDS max

Made in Germany

	Dimensiune	Lungime activa	Lungime totala		
compatibila SDS-max					
349L50L0300	50	-	300	600	**300.98**
349L80L0300	80		300	750	**280.00**

314

Dalta caneluri cu limitarea adancimii pentru caramida

• *pentru realizarea de canale in caramida*



DIAGER

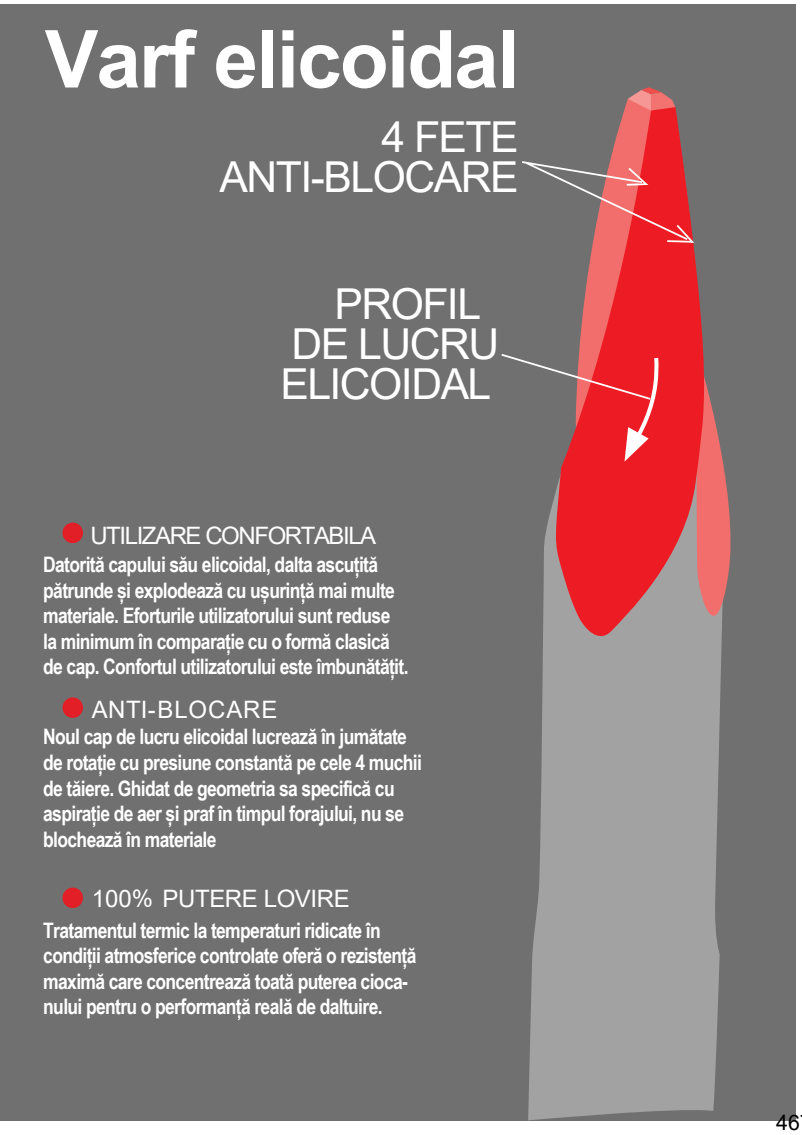
SDS plus

SDS max

Made in Germany

	Dimensiune	Lungime totala		
compatibila SDS-plus				
314L32L0300	32x23	300	574	**300.98**
compatibila SDS-max				
314L35L0380	35x36	380	954	**531.15**

Varf elicoidal



● UTILIZARE CONFORTABILA

Datorită capului său elicoidal, dalta ascuțită pătrunde și explodează cu ușurință mai multe materiale. Eforturile utilizatorului sunt reduse la minimum în comparație cu o formă clasică de cap. Confortul utilizatorului este îmbunătățit.

● ANTI-BLOCARE

Noul cap de lucru elicoidal lucrează în jumătate de rotație cu presiune constantă pe cele 4 muchii de tăiere. Ghidat de geometria sa specifică cu aspirație de aer și praf în timpul forajului, nu se blochează în materiale

● 100% PUTERE LOVIRE

Tratamentul termic la temperaturi ridicate în condiții atmosferice controlate oferă o rezistență maximă care concentrează toată puterea ciocanului pentru o performanță reală de daltuire.

311

Dalta caneluri pentru beton

• *pentru realizarea de canale in beton.*

SDS plus



DIAGER

Made in Germany

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
compatibila SDS-plus					
311L22L0250	22	-	250	230	**143.93**

312

Dalta caneluri pentru beton

• *pentru realizarea de canale in beton.*

SDS max



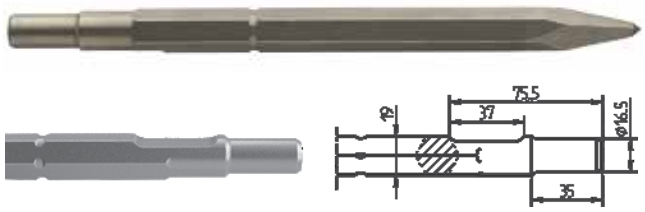
DIAGER

Made in Germany

	Dimensiune	Lungime activa	Lungime totala		
compatibila SDS-max					
312L26L0300	26	-	300	470	**242.46**

Dalta cu varf ascutit

• *coada hexagonala*



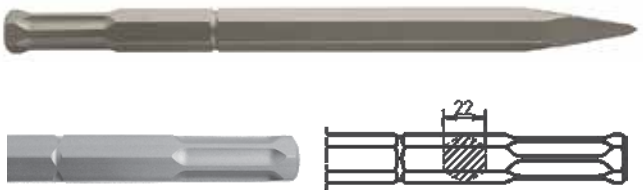
DIAGER

Made in Germany

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
compatibila hexagon 19 mm cu capat cilindric Ø 16,5x35 mm					
324H19L0300	19	-	300	1	**127.87**
324H19L0400	19	-	400	1	**139.51**

Dalta cu varf ascutit

• *coada hexagonala*



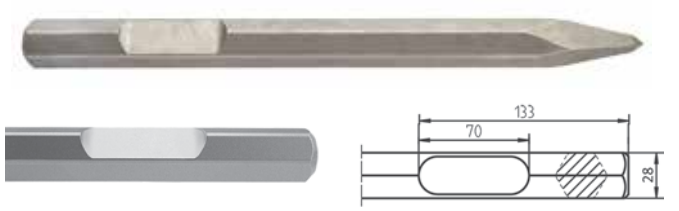
DIAGER

Made in Germany

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
compatibila hexagon 22 mm cu 6 caneluri (TE-S)					
359D22L0360	22	-	360	1	**493.77**

Dalta cu varf ascutit

• *coada hexagonala*



DIAGER

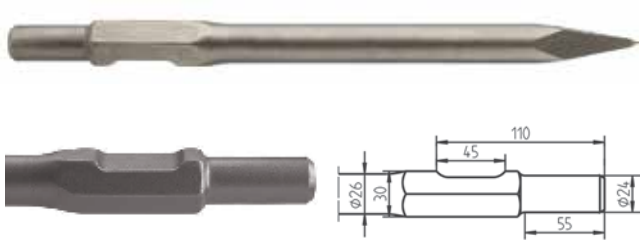
Made in Germany

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
compatibila hexagon 28 mm					
354H28L0400	28	-	400	1	**336.07**

393

Dalta cu varf ascutit

• *coada hexagonala*



DIAGER

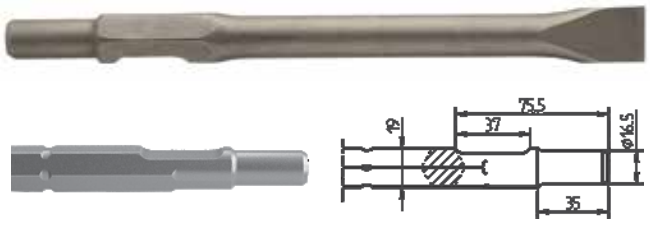
Made in Germany

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
compatibila hexagon 30 mm cu capat cilindric Ø 24x55 mm					
393D24L0400	24	-	400	1	**229.18**

320

Dalta lata

• *coada hexagonala*



DIAGER

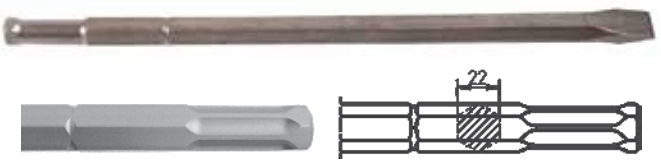
Made in Germany

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
compatibila hexagon 19 mm cu capat cilindric Ø 16,5x35 mm					
320L24L0300	24	-	300	1	**91.97**
320L24L0400	24	-	400	1	**132.13**
320L80L0300	80	-	300	1	**297.38**

355

Dalta lata

• *coada hexagonala*



DIAGER

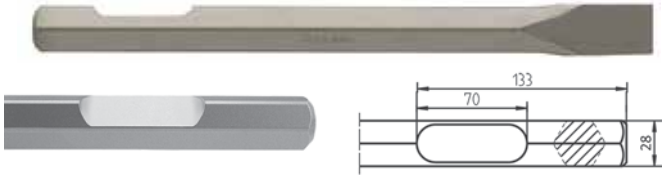
Made in Germany

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
compatibila hexagon 22 mm cu 6 caneluri (TE-S)					
355L28L0360	28	-	360	1	**498.85**

341

Dalta lata

• *coada hexagonala*



DIAGER

Made in Germany

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
compatibila hexagon 28 mm					
341L32L0400	32	-	400	1	**338.03**

394

Dalta lata

• *coada hexagonala*



DIAGER

Made in Germany

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
compatibila hexagon 30 mm cu capat cilindric Ø 24x55 mm					
394L32L0400	32	-	400	1	**317.87**

Ciocane rotopercutoare si accesorii compatibile

UNEALTA

	UNEALTA compatibila	SDS-plus	SDS-max
BOSCH®	GBH 11 DE		■
	GBH 2-20 D	■	
	GBH 2-24 D / DF	■	
	GBH 2-28 DFV / DV	■	
	GBH 3-28 DFR / DRE	■	
	GBH 36 VF-LI / V-LI /Compac	■	
	GBH 4-32 DFR	■	
	GBH 5-38 D		■
	GBH 5-40 DCE	■	
	GBH 7-46 DE		■
	GB H 8-45 DV		■
	GBH18V-LI	■	
	GSH 11 E / VC		■
	GSH 3 E	■	
	GSH 388		■
	GSH 5 CE		■
DEWALT®	D25012K	■	
	D25013C / K	■	
	D25123K	■	
	D25124K	■	
	D25223K	■	
	D25323K	■	
	D25324K	■	
	D25325K	■	
	D25330K		■
	D25404K	■	
	D25405K	■	
	D25501K		■
	D25601K		■
	D25712K		■
	D25762K		■
	D25831K		■
	D25870K		■
	D25899K		■
	D25901K		■
	DC212KA	■	
	DC213KB / KL	■	
	DC222KA	■	
	DC223KA	■	
	DC224KA	■	
	DC234KL	■	
	DC235KL	■	
HILTI®	TE 1	■	
	TE 2-A22 / M / S	■	
	TE 16	■	
	TE 22	■	
	TE 3000-AVR	■	
	TE 300-AVR	■	
	TE 30-A36 / C-AVR / M-AVR	■	
	TE 30-C-AVR / TE 30-M-AVR		■
	TE 40-AVR		■
	TE 42		■
	TE 4-A22	■	
	TE 5	■	
	TE 500-AVR		■
	TE 50-AVR		■
	TE 52		■
	TE 54		■
	TE 55		■
	TE 56		■
	TE 60-ATC		■
	TE 60		■
	TE 6-A36-AVR	■	
	TE 7	■	
	TE 72		■
	TE 74		■
	TE 75		■
	TE 76		■
	TE 700-AVR		■
	TE 70-ATC		■
	TE 7-C	■	
	TE 805		■
	TE 80-ATC AVR		■
	TE 92		■

■ compatibil

	UNEALTA compatibila	SDS-plus	SDS-max
HITACHI®/HICOKI®	DH22PH	■	
	DH24 PB3 / PC / PC3 / PM	■	
	DH25PV	■	
	DH28PC / PD	■	
	DH30PC2	■	
	DH38MS	■	
	DH40 MRY	■	
	DH45MR	■	
	DH50 MRY	■	
	DH50SBK	■	
	H45MRY	■	
	H60MR	■	
MAKITA®	BHR162RFE	■	
	BHR202RFE / 202Z	■	
	BHR243RFE / 243RFEV	■	
	/243RFJ	■	
	BHR261TDP1	■	
	HK1820 / 1820L	■	
	HM0870C		■
	HM0871C		■
	HM1111C		■
	HM1203C		■
	HM1213C		■
	HM1214C		■
	HR1830	■	
	HR2230	■	
	HR2300X9	■	
	HR2310TSP1	■	
	HR2432	■	
	HR2460 / 2460F	■	
	HR2470 / 2470F / 2470FT /	■	
	2470T-1 / 2470TX1	■	
	HR2600X9	■	
	HR2610TX4	■	
	HR2611FTX4	■	
	HR2811FT	■	
	HR3200C	■	
	HR3210FCT	■	
	HR3541FCX		■
	HR4001C		■
	HR4010C		■
	HR4011C		■
	HR4501C		■
	HR4510C		■
	HR4511C		■
	HR5201C		■
	HR5210C		■
	HR5211C		■
MILWAUKEE®	545 S		■
	750 S		■
	900 S		■
	950 S		■
	PCE 3	■	
	PFH 26	■	
	PH 26	■	
	PH 28 / 28 X	■	
	PLH 20	■	
	PLH 26 E	■	
	PLH 30 E / 30 XE	■	
	PLH 32 XE	■	
SPIT®	321	■	
	322	■	
	323	■	
	330	■	
	332	■	
	343	■	
	353	■	
	372	■	
	390	■	
	431	■	
	453		■
	490		■
	328EVO+	■	
	329C	■	
STAYER®	HD26BK	■	
	HD26BIKF	■	
	TD800K	■	
	HD27BK	■	
	HD3CK	■	
	HD5CK	■	
	HD6DK	■	
	HD40BK		■
	HD50BK	■	
	MD4K	■	
	MD6CK		■
	MD10K		■
	HD27CK	■	
	HDBL224K	■	
	HDBL222	■	
	HDBL1820	■	
	HDBL1824	■	
	HDBL264K	■	
	MH26K	■	
	MH6CK	■	
	MHL14K	■	

Ciocane demolatoare si accesorii compatibile

CIOCAN DEMOLATOR		Hexagonal 19 mm + plat	Hexagonal 19 mm + vârf cilindric Ø 16,5x35 mm	Hexagonal 22 mm + caneluri (TE-S)	Hexagonal 28 mm + plat	Hexagonal 30 mm + vârf cilindric Ø 24x55 mm	Hexagonal 28 mm + guler
ATLAS COPCO	PB14D	■					
	PB10H		■				
	PH11H		■				
	PH5H		■				
	PHE50H		■				
	PHE5H		■				
	PHE6H		■				
BOSCH®	HSH10 (12312)	■					
	USH10 (11305)	■					
	45DE (11214)		■				
	UBH12-50 (11209)		■				
	UBH6-35		■				
	UBH6-35D		■				
	USH6		■				
	GSH16-28				■		
	GSH27				■		
	GSH27VC				■		
	HSH28 (12314)				■		
	USH27 (11304)				■		
	GSH16-30					■	
CASALS®	Tornado	■					
DEWALT®	D25940K	■					
	D25941K	■					
	DW558K	■			■		
	D25980						
ELU®	SH60K	■					
HILTI®	TE805			■			
	TE905			■			
	TE905AVR			■			
	TE1000AVR			■			
	TE1500AVR			■			
	TE2000			■			
	TE3000				■		
HITACHI® / HIKOKI®	DH50SH1	■					
	H45FRV		■				
	DH38YA		■				
	DH38YF		■				
	DH40FA		■				
	DH40FB		■				
	DH40FR		■				
	DH50SB		■				
	DH50SBK		■				
	H65 SD				■		
	H70 SD				■		
	H85				■		
	H90 SE				■		
	H65SB					■	
	H65SB2					■	
	H70 SA					■	
	H90 SG						■

CIOCAN DEMOLATOR		Hexagonal 19 mm + plat	Hexagonal 19 mm + vârf cilindric Ø 16,5x35 mm	Hexagonal 22 mm + caneluri (TE-S)	Hexagonal 28 mm + plat	Hexagonal 30 mm + vârf cilindric Ø 24x55 mm	Hexagonal 28 mm + guler
KANGO	1400B	■					
	638S	■					
	800S	■					
	900B	■					
	900KS	■					
	900S	■					
	900XS	■					
	950B	■					
MAKITA®	HM1200B	■					
	HM0810B		■				
	HM1140C		■				
	HM1242C		■				
	HR3520B		■				
	HR3850B		■				
	HR4040C		■				
	HR5000		■				
	HM1304B				■		
	HM1500B				■		
	8900N					■	
	HM1300					■	
	HM1303					■	
	HM1304					■	
	HM1317C					■	
	HM1400					■	
	HM1500					■	
METABO®	Bh1130S		■				
	Bh1131S		■				
	BhE6030S		■				
	RH66		■				
	RH99		■				
	RH99X		■				
MILWAUKEE®	5335	■					
	5311		■				
	5312		■				
	5316		■				
	5317		■				
	5343		■				
	5344		■				
	5347		■				
	5348		■				
	5352		■				
	5353		■				
	PH11H		■				
	PH40H		■				
RYOBI®	CH465K	■					
	CH486K	■					
SPIT®	400	■					
	400S	■					
STAYER®	MD15BK					■	
WACKER®	EHB11BLS		■				

* *nu este o lista completa* ■ *compatibil*

426

Carota cu carbura diamantata pentru placi ceramice Blue Ceram

- *utilizare umeda cu masini de gaurit*
- *utilizare uscata cu polizoare unghiulare*
- *prindere hexagonala*
- *cap cu segmente diamantate*





	Ø	LA	LT	Ambalare	
426D06	6,0	22	55	1	145.90
426D06.5	6,5	22	55	1	151.80
426D07	7,0	22	55	1	154.59
426D08	8,0	20	55	1	146.39
426D10	10,0	30	65	1	158.36
426D12	12,0	28	65	1	173.93
426D13	13,0	28	65	1	183.61
426D15	15,0	40	70	1	191.97
426D20	20,0	40	70	1	224.92
426D25	25,0	40	70	1	244.59

426B

Set carote cu carbura diamantata pentru placi ceramice



	Dimensiune	Ambalare	
426B	9 piese	1	1649.34

Ø6(x2)-8(x2)-10-15-20 Mandrina si piatra de ascutit

426C

Set carote cu carbura diamantata pentru placi ceramice



	Dimensiune	Ambalare	
426C	6 piese	1	1071.64

Ø6(x2)-8(x2) Mandrina si piatra de ascutit

NOU

Burghiu diamantat pentru placi ceramice, prindere M14

- *varful burghiului este finisat cu particule minuscule diamantate*
- *umplut cu ceara de racire*
- *particulele diamantate adera ferm la suprafata, ceea ce asigura siguranta functionala*
- *presiune scazuta de contact necesara*
- *prindere pe filet M14*
- *burghie diamantate pentru placi extrem de dure pana la 10 mm grosime material (marmura, granit, ceramica, portelan, gresie fina, teracota etc.)*
- *nu necesita ajutor de centrare*
- *fara racire cu apa*
- *cu inel de culoare pentru fiecare diametru*



		Ø	L	d	D			
60781		6	60	M14	22	vrac	61	80.04
60782		8	60	M14	22	vrac	72	80.04
60783		10	60	M14	22	vrac	72	80.04
60784		12	60	M14	22	vrac	72	80.04
60785		14	60	M14	22	vrac	76	80.04
03740		6	60	M14	22	SYS	65	88.65
03741		8	60	M14	22	SYS	75	88.65
03742		10	60	M14	22	SYS	75	88.65
03743		12	60	M14	22	SYS	75	88.65
03744		14	60	M14	22	SYS	80	88.65

05046

NOU

Set 6 carote cu carbura diamantata pentru placi ceramice



	Dimensiune	Ambalare	
05046	6 piese	1	508.93

2 x 6 mm · 1 x 8 mm · 1 x 10 mm · 1 x 12 mm · 1 x 14 mm

05042

NOU

Set 4 carote cu carbura diamantata pentru placi ceramice



	Dimensiune	Ambalare	
05042	4 piese	1	320.16

2 x 6 mm · 2 x 8 mm

423

NOU

Carota pentru ceramica cu prindere M14

- *aceasta unealta este special conceputa pentru gaurirea tuturor tipurilor de placi, inclusiv a celor mai dure, datorita unui cap realizat din segmente de calitate premium. Grey Ceram poate fi folosit direct pe un polizor unghiular astfel isi poate arata intregul potential de taiere datorita vitezei mari de rotatie a acestei masini*
- *cap cu segmente diamantate.*
- *canal de extragerea miezului.*
- *antrenare M14.*
- *gaurire din gresie pana la clasa 5.*
- *realizare de gauri fara aschii.*
- *lungime utila mare.*
- *poate fi folosit pentru gaurire uscata pe un polizor unghiular*
- *incepeti intotdeauna gaurirea la 45°.*
- *ascutiti si raciti unealta in mod regulat pentru o durata de viata optima*



CARAMIDA · FAIANTA · GRESIE PORTELANATA · GRE-CERAM · TERACOTA · MARMURA · GRESIE

	Ø	LA	LT	Ambalare	
423D06	6	40	40	1	157.51
423D07	7	40	40	1	243.38
423D08	8	40	40	1	156.31
423D10	10	45	45	1	168.61
423D12	12	45	45	1	187.78
423D13	13	45	45	1	275.54
423D15	15	45	45	1	183.41
423D20	20	45	45	1	209.56
423D25	25	80	80	1	226.91

426E

NOU

Adaptor hexagonal - M14

- *va permite sa adaptati o unealta cu pridere M14 la o masina de gaurit cu mandrina*



	Dimensiune	Lungime	
426E	M14	80	-

NOU

Burghiu diamantat cu prindere 1/4”

- *varful bitului este finisat cu particule minuscule de diamant*
- *particulele de diamant adera ferm la suprafata, ceea ce asigura siguranta functionala*
- *efectul cam-out este redus*
- *este necesara o presiune de contact mai mica*



	Ø	LT	Ambalare	
60679	5.0	60	vrac	62.54
60680	6.0	60	vrac	62.54
60681	8.0	60	vrac	62.54
60682	10.0	60	vrac	62.54

05018 NOU

Trusa 4 burghie diamantate cu prindere 1/4”

- *varful bitului este finisat cu particule minuscule de diamant*
- *particulele de diamant adera ferm la suprafata, ceea ce asigura siguranta functionala*
- *efectul cam-out este redus*
- *este necesara o presiune de contact mai mica*



	Dimensiune	Ambalare	
05018	4 piese	1	250.16

Ø6(x2)-8(x2) Mandrina si piatra de ascutit

416 NOU

Piatra de ascutit

- *piatra de ascutit 160 x 40 x 20 mm pentru burghiu carota Blue Ceram*



	Dimensiune	
416	160 x 40 x 20 mm	120.16

416A NOU

Piatra de ascutit

- *piatra de ascutit 160 x 40 x 20 mm pentru burghiu carota Blue Ceram*



	Dimensiune	
416A	75 x 35 x 18 mm	116.56

417 NOU

Piatra de ascutit

- *piatra de ascutit 160 x 40 x 20 mm pentru burghiu carota Blue Ceram*

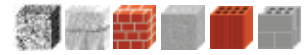


	Dimensiune	
417	60 x 40 x 20 mm	116.56

263

Burghiu cu coada cilindrica cu tre1 muchii de taiere pentru beton

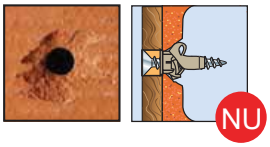
- *varf din carbura monobloc cu 3 muchii taietoare*
- *varf ascutit la 130º*
- *spira tripla*
- *coada cilindrica*
- *durata de utilizare crescuta datorita unei mai bune repartitii a presiunii pe cele 3 puncte de contact*
- *design inovativ cu 3 muchii taietoare cu carbura pentru gauri curate si concentrice*





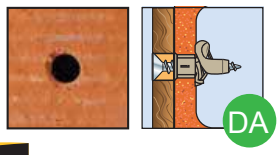
Burghiu standard pentru beton

Gaura iesire stricata Perete subtire



OPTIMA 3+ 3 muchii

Gaura iesire perfecta Fixare optima



DIAGER

	Ø	LA	LT	Ambalare	
263D04	4,0	35	75	1	13.61
263D05	5,0	45	85	1	15.25
263D06	6,0	60	100	1	15.90
263D06.5	6,5	60	100	1	18.20
263D08	8,0	80	120	1	18.36
263D10	10,0	80	120	1	25.90
263D12	12,0	110	150	1	37.38

263B

Trusa burghie cu coada cilindrica cu trei muchii de taiere pentru beton





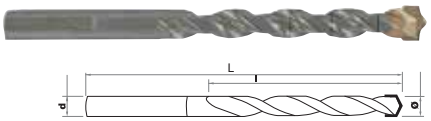
DIAGER OPTIMA 3+

	Dimensiune	Ambalare	
263B	5 piese	1	88.52
		Ø4-5-6-8-10	

1096052

Burghiu coada cilindrica pentru beton si piatra, cu placuta CMS cu varf de centrare, SLR® DIN 8039

- *burghiu coada cilindrica pentru beton si piatra, cu placuta CMS cu varf de centrare, SLR® DIN 8039*
- *corpul burghiului din otel aliat, tratat termic*
- *partea activa, cu placuta CMS cu varf de centrare*
- *ideal pentru beton si piatra*
- *in conformitate cu DIN 8039*
- *coada cu aplatizari impotriva rotirii in mandrina*
- *tija gradata pentu controlul adancimii gauririi*
- *geometria speciala a placutei aschietoare si a spirei confera viteza de gaurire si durata de viata sporite*



TIVOLY

DIN 8039 HM+ GRADUATION PGM

	Ø	LT	LA	Ambalare	
10960520300	3	60	34	1	33.39
10960520400	4	75	40	1	33.76
10960520500	5	85	50	1	35.77
10960520600	6	100	60	1	36.29
10960520700	7	100	60	1	37.70
10960520800	8	120	72	1	42.09
10960520900	9	120	72	1	49.37
10960521000	10	120	72	1	49.89
10960521200	12	150	92	1	70.42

265

Burghiu cu coada cilindrica pentru masini electrice cu acumulatori

- *varf din carbura pentru o durata de utilizare prelungita*
- *varf inalt pentru o mai buna ghidare*
- *coada cilindrica*
- *finisare: sablare*
- *ideal pentru utilizarea pe masini de gaurit cu acumulator*
- *economiseste acumulatorii masinii de gaurit cu peste 20%*



DIAGER FLASH

	Ø	LT	LA	Ambalare	
265D03	3	20	20	1	3.61
265D03.5	3.5	35	35	1	3.61
265D04	4	35	35	1	3.61
265D04.5	4.5	45	45	1	3.77
265D05	5	45	45	1	3.77
265D05.5	5.5	55	55	1	3.77
265D06	6	60	60	1	3.77
265D06.5	6.5	60	60	1	4.59
265D07	7	60	60	1	5.25
265D08	8	80	80	1	5.41
265D09	9	80	80	1	6.56
265D10	10	80	80	1	7.21
265D11	11	110	110	1	9.84

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
265D12	12	110	110	1	**11.80**
265D13	13	110	110	1	**13.77**
265D14	14	110	110	1	**16.07**
265D15	15	110	110	1	**20.00**
265D16	16	110	110	1	**20.82**
265D18	18	120	120	1	**35.57**
265D20	20	120	120	1	**43.61**
L150					
265D05L0150	5	110	110	1	**12.13**
265D05.5L0150	5.5	110	110	1	**12.13**
265D06L0150	6	110	110	1	**10.66**
265D06.5L0150	6.5	110	110	1	**12.13**
265D07L0150	7	110	110	1	**13.11**
265D08L0150	8	110	110	1	**11.80**
265D10L0150	10	110	110	1	**11.97**
L200					
265D06L0200	6	160	160	1	**13.77**
265D07L0200	7	160	160	1	**16.07**
265D08L0200	8	160	160	1	**16.07**
265D10L0200	10	160	160	1	**16.23**
265D12L0200	12	160	160	1	**29.67**
265D14L0200	14	160	160	1	**35.08**
265D16L0200	16	160	160	1	**43.77**
L300					
265D06L0300	6	260	260	1	**24.43**
265D20L0300	20	260	260	1	**78.20**
L400					
265D06L0400	6	360	360	1	**33.77**
265D08L0400	8	360	360	1	**21.31**
265D10L0400	10	360	360	1	**35.25**
265D12L0400	12	360	360	1	**25.90**
265D14L0400	14	360	360	1	**44.26**
265D16L0400	16	360	360	1	**59.51**
265D22L0400	22	360	360	1	**136.23**
265D25L0400	25	360	360	1	**190.82**
L600					
265D06L0600	6	560	560	1	**39.84**
265D08L0600	8	560	560	1	**48.52**
265D12L0600	12	560	560	1	**61.31**
265D14L0600	14	560	560	1	**63.11**
265D16L0600	16	560	560	1	**72.62**
265D18L0600	18	560	560	1	**86.23**
L1000					
265D10L1000	10	960	1000	1	**364.59**

265

Trusa burghie cu coada cilindrica pentru masini electrice cu acumulatori



250C



252C



251C



268R



269R



271R

DIAGER

	Dimensiune	Ambalare	
250C	8 piese	1	**68.36**
	Ø3-4-5-6-7-8-9-10		
251C	5 piese	1	**24.92**
	Ø4-5-6-8-10		
252C	5 piese	1	**53.77**
	Ø4-5-6-7-8		
268R	5 piese	1	**26.23**
	Ø4-5-6-8-10		
269R	5 piese	1	**24.43**
	Ø4-5-6-7-8		
271R	3 piese	1	**17.33**
	Ø4-6-8		

S410

Trusa burghie placate TCT pentru zidarie 5 piese

• *pentru utilizare la masini de gsurit cu impact.*



BOC BOHRCRAFT

21001430005	5 piese 4,0 / 5,0 / 6,0 / 8,0 / 10,0 mm	**46.95**

FLASH

215

Burghiu cu coada cilindrica multimaterial

- *varf cu ascutire pozitiva si punct de centrare*
- *unghi de ascutire: 118º*
- *ascutire cu 4 fatete*
- *spira profilata L*
- *coada cilindrica*
- *pentru utilizari universale*
- *gauri perfecte si curate*
- *gaurire rapida*







DIAGER

Ø Max 12.7

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
215D03	3,0	20	60	1	**26.23**
215D04	4,0	35	75	1	**25.08**
215D05	5,0	45	85	1	**26.56**
215D05.5	5,5	45	85	1	**40.00**
215D06	6,0	60	100	1	**30.82**
215D06.5	6,5	60	100	1	**33.44**
215D07	7,0	60	100	1	**33.44**
215D08	8,0	80	120	1	**33.93**
215D09	9,0	80	120	1	**36.39**
215D10	10,0	80	120	1	**38.20**
215D12	12,0	110	150	1	**44.26**
215D13	13,0	110	150	1	**53.28**
215D14	14,0	110	150	1	**60.66**
215D16	16,0	110	150	1	**66.39**

215C

Trusa burghie cu coada cilindrica multimaterial

- *varf cu ascutire pozitiva si punct de centrare*
- *unghi de ascutire: 118º*
- *ascutire cu 4 fatete*
- *spira profilata L*
- *coada cilindrica*
- *pentru utilizari universale*
- *gauri perfecte si curate*
- *gaurire rapida*



DIAGER

	Dimensiune	Ambalare	
215C	8 piese	1	**280.33**
	Ø3-4-5-6-7-8-9-10		

215B

Trusa burghie cu coada cilindrica multimaterial

- *varf cu ascutire pozitiva si punct de centrare*
- *unghi de ascutire: 118º*
- *ascutire cu 4 fatete*
- *spira profilata L*
- *coada cilindrica*
- *pentru utilizari universale*
- *gauri perfecte si curate*
- *gaurire rapida*



DIAGER

	Dimensiune	Ambalare	
215B	5 piese	1	**176.23**
	Ø4-5-6-8-10		

245

Burghiu coada cilindrica pentru materiale ceramice

- *varf din carbura pentru conditii grele de lucru*
- *ascutire pozitiva a muchiilor si varf de centrare*
- *spira cu profil L*
- *coada cilindrica*







DIAGER

Ø Max 12.7

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
245D03	3,0	20	60	1	**23.61**
245D04	4,0	35	75	1	**24.92**
245D05	5,0	45	85	1	**27.05**
245D06	6,0	60	100	1	**27.87**
245D07	7,0	60	100	1	**29.67**
245D08	8,0	80	120	1	**32.79**
245D09	9,0	80	120	1	**35.57**
245D10	10,0	80	120	1	**45.90**
245D12	12,0	110	150	1	**65.74**

239B

Trusa burghie coada cilindrica pentru materiale ceramice

- *varf din carbura pentru conditii grele de lucru*
- *ascutire pozitiva a muchiilor si varf de centrare*
- *spira cu profil L*
- *coada cilindrica*



DIAGER

	Dimensiune	Ambalare	
239B	8 piese	1	**229.51**
	Ø3-4-5-6-7-8-9-10		

214B

Trusa burghie coada cilindrica pentru materiale ceramice

- *varf din carbura pentru conditii grele de lucru*
- *ascutire pozitiva a muchiilor si varf de centrare*
- *spira cu profil L*
- *coada cilindrica*



DIAGER

	Dimensiune	Ambalare	
214B	5 piese	1	**143.28**
	Ø4-5-6-8-10		

208

Burghiu cu coada cilindrica pentru granit

- *varf din carbura pentru conditii grele de lucru*
- *ascutire pozitiva a muchiilor*
- *spira cu profil L*
- *coada cilindrica*







DIAGER

Ø Max 12.7

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
208D04	4,0	35	75	1	**21.97**
208D05	5,0	45	85	1	**24.92**
208D07	6,0	60	100	1	**29.18**
208D06.5	6,5	60	100	1	**26.56**
208D07	7,0	60	100	1	**29.18**
208D08	8,0	80	120	1	**29.67**
208D09	9,0	80	120	1	**31.97**
208D10	10,0	80	120	1	**41.64**
208D12	12,0	110	150	1	**60.00**
208D14	14,0	110	150	1	**82.13**

207D

Trusa burghie cu coada cilindrica pentru granit

- *varf din carbura pentru conditii grele de lucru*
- *ascutire pozitiva a muchiilor*
- *spira cu profil L*
- *coada cilindrica*



DIAGER

	Dimensiune	Ambalare	
207B	8 piese	1	**217.38**
	Ø3-4-5-6-7-8-9-10		

400

Burghiu cu coada cilindrica pentru sticla

- *se utilizeaza pentru gaurire umeda si viteza mica de gaurire*
- *varf din carbura*
- *coada cilindrica*
- *gaureste ceramic pana la PEI 3*





Ø Max 12.7

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
400D03	3,0	25	65	1	**29.34**
400D04	4,0	25	65	1	**30.82**
400D05	5,0	25	65	1	**33.44**
400D06	6,0	25	65	1	**35.90**
400D07	7,0	30	70	1	**38.36**
400D08	8,0	30	70	1	**40.66**
400D09	9,0	30	70	1	**60.82**
400D10	10,0	40	80	1	**60.82**
400D12	12,0	40	80	1	**82.30**
400D13	13,0	40	80	1	**90.49**

413

NOU

Burghie cu carbura tungsten pentru sticla si ceramica

- *precizie: varf rafinat pentru o centrare de mare precizie*
- *eficienta: margini de taiere imbunatatite pentru o taiere mai agresiva*
- *orificiu curat: profil ogival pentru a evita ciobirea sau craparea materialului forat*
- *viteza: zona care permite captarea aschiilor si a prafului pentru a imbunatati evacuarea*
- *ascuțire patentata: varf cu carbura nouă, cu rezistenta mai mare la abraziune.*
- *stabilitate: corp din otel carbon extrem de robust pentru a limita vibratiile*
- *tija laterala anti-alunecare: preveniti alunecarea in mandrina*
- *durata de viata: zona intarita intre corp si tija*
- *pentru materiale: tigla, cermic, sticla, marmura*
- *gaureste cele mai dure gresii (pana la PEI clasa5)*





Ø Max 12.7

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
413D03	3	40	80	1	**30.52**
413D04	4	40	80	1	**32.10**
413D05	5	40	80	1	**34.73**
413D06	6	40	80	1	**37.36**
413D07	7	60	100	1	**39.82**
413D08	8	60	100	1	**42.27**
413D09	9	60	100	1	**63.15**
413D10	10	60	100	1	**63.15**
413D12	12	60	100	1	**85.42**
413D13	13	60	100	1	**94.02**





201

Burghiu special pentru panouri de placare interioare si exterioare, mobila si suprafete decorative

- *ideal pentru gaurire panouri amenajari interioare, cum ar fi Corian, lemn, materiale compozite, plastic sau fibrociment sau panouri fatade*
- *varf cu 2 placute trasoare*
- *varf de centrare la 75°*
- *coada cilindrica*
- *gauri curate, fara aschii*
- *varf de auto-centrare pentru pornire usoara*
- *durata de viata lunga*
- *penetrare rapida*



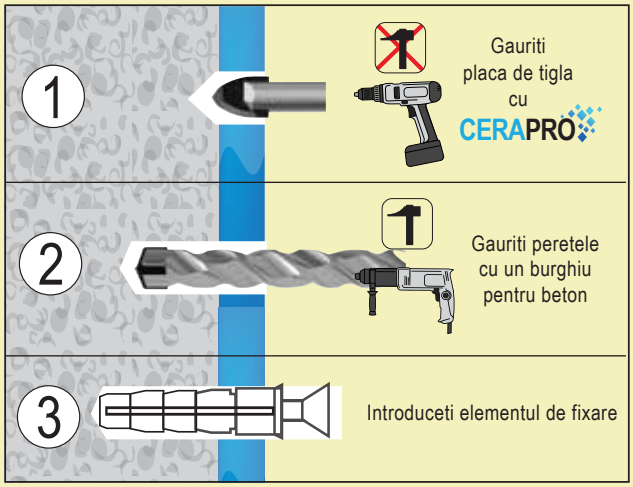




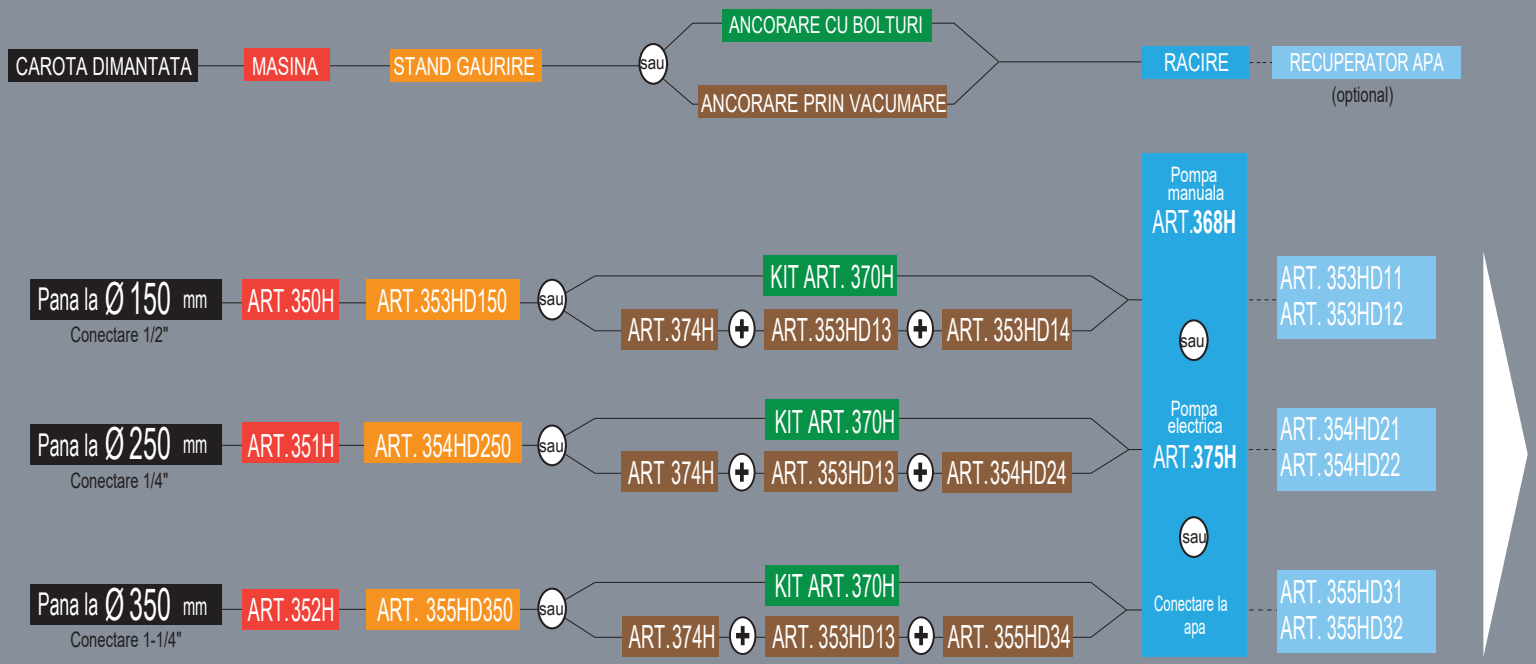
HPL

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
201D05	5,0		85	1	**68.20**
201D06	6,0		100	1	**69.02**
201D08	8,0		120	1	**77.70**





Compatibilitate sisteme de carotare



RECOMANDARI

- Gaurire manuala : maxim ø82 mm.
- Dupa utilizare : lasati masina sa functioneze fara sarcina 1 minut.
- Utilizati un prelungitor electric cu o sectiune minima de 3x4.5mm.







Viteza de rotatie recomandata in functie de ø maxim de gaurit			
Selector viteza	350H and 398H (2000W)	351H (2500W)	356H (3400W)
1	Caramida Ø 200mm Beton Ø 150mm	Ø 250mm	Ø 350mm
2	Caramida Ø 120mm Beton Ø 80mm	Ø 125mm	Ø 250mm
3	Caramida Ø 80mm Beton Ø 40mm	Ø 85mm	Ø 150mm

436A

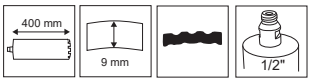
Carota pentru materiale dure si beton abraziv

• noul segment este mai rezistent
• de doua ori mai multe diamante
• noul segment este realizat cu diamant acoperit cu titan, care permite o munca eficienta si o durata de viata mai lunga
• segmente ondulate: evacuarea mai buna a molozului si un efort mai mic pentru masina si pentru utilizator
• segmente deschise: carota este gata de utilizare
• gaurire uscata





DIAGER



	Dimensiune	N.S.	Lungime totala	Ambalare	
Conectare 1/2”					
436AD030L0400	30	4	400	1	**1081.64**
436AD035L0400	35	5	400	1	**1159.18**
436AD040L0400	40	5	400	1	**1282.79**
436AD046L0400	46	6	400	1	**1352.13**
436AD061L0400	61	6	400	1	**1450.16**
436AD082L0400	82	10	400	1	**1916.23**
436AD112L0400	112	10	400	1	**1948.85**
436AD127L0400	127	11	400	1	**2181.15**
436AD152L0400	152	12	400	1	**2704.75**
436AD200L0400	200	6	400	1	**3749.51**

436B

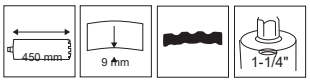
Carota pentru materiale dure si beton abraziv

• noul segment este mai rezistent
• de doua ori mai multe diamante
• noul segment este realizat cu diamant acoperit cu titan, care permite o munca eficienta si o durata de viata mai lunga
• segmente ondulate: evacuarea mai buna a molozului si un efort mai mic pentru masina si pentru utilizator
• segmente deschise: carota este gata de utilizare
• pentru gaurire umeda





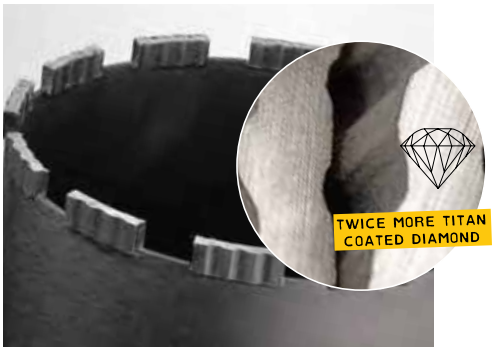
DIAGER



	Dimensiune	N.S.	Lungime totala	Ambalare	
Conectare 1.1/4”					
436BD051L0450	51		450	1	**1352.13**
436BD061L0450	61		450	1	**1391.15**
436BD112L0450	112		450	1	**1916.23**
436BD122L0450	122		450	1	**2098.69**
436BD127L0450	127		450	1	**2364.59**
436BD152L0450	152		450	1	**2704.75**
436BD277L0450	277		450	1	**5070.49**
436BD342L0450	342		450	1	**6098.03**

GAMA DE CAROTE DIAMANTATE

Materiale dure si beton abraziv



Noile segmente ale carotelor diamantate DIAGER sunt mai rezistente.
Noile segmente sunt realizate cu diamant acoperit cu titan, ceea ce permite o lucrare lina eficienta si prelungeste durata de viata

Beneficii

• Gaurire bara de armare.
• Segmente ondulate: evacuare mai bună a molozului, efort mai mic pentru masina si pentru utilizator.
• Segmente deschise: Coroana gata de utilizare.
• Sigiliu Forsheda®.

Aplicatii

Pentru trecerea canalelor de cabluri electrice, conductelor de apa sau evacuare, conducte de ventilatie,...

Sfaturi

Pentru o taiere mereu eficienta, ganditi-va sa ascuti segmentele cu regularitate cu piatra de ascutit ref 441.

Special pentru asfalt



la cerere

- Conexiune 3 gauri ref. 436c
- Alte lungimi
- Materiale specifice

356H

Masina de carotat 3400 W conectare interior 1/2" si exterior 1-1/4"

- *tensiune de alimentare: 230 V*
- *frecventa: 50 Hz*
- *amperaj: 16 A*
- *putere motor: 3400 W*
- *turatie mers in gol: 350/800/1475 rpm*
- *turatie in sarcina: 230/520/965 rpm*
- *putere iesire: 2220 W*
- *cuplu: 93/41/22 Nm*
- *capacitate de gaurire: 30-350 mm*
- *greutate: 12,5 kg*



CARDI

	W				
356H	3420	1/2"	1.1/4"	12500	30419.34

350H

Masina de carotat 2000 W Combi conectare interior 1/2" si exterior 1-1/4"

- *putere motor: 2000 W.*
- *avertizare electronica la suprasarcina*
- *diametru maxim de gaurire beton: 150 mm*
- *diametru maxim de gaurire caramida: 200 mm*
- *conectare carota 1/2 " interior si 1-1 / 4" exterior.*
- *greutate 6,5 kg.*
- *3 viteze: 450 - 1050 - 2000 RPM.*
- *maner ergonomic pentru vibratii reduse si antialunecare*
- *montare rapida: guler Ø60.*



CORE CX 20-S3

CORE powertools

	W				
350H	2000	1/2"	1.1/4"	6300	10922.95

351H

Masina de carotat 2500 W conectare exterior 1-1/4"

- *putere motor: 2500 W.*
- *avertizare electronica la suprasarcina*
- *diametru maxim de gaurire beton: 250 mm*
- *conectare carota 1-1 / 4" exterior.*
- *greutate 11,5 kg.*
- *3 viteze: 200 - 400 - 950 RPM.*
- *indicator nivel apa*



CORE CX 25 LOW

CORE powertools

	W			
351H	2500	1.1/4"	11500	17536.07

368H

Pompa de presiune din plastic

- *cu furtun si conexiuni*



DIAGER

368H	1244.59

375H

Pompa electrica de presiune

- *cu furtun si 2 conexiuni*



DIAGER

375H	2317.70

353HD13

Kit de vacumare

- *pentru suportul de gaurire D 150-250-350*



DIAGER

353HD13	728.03

Garnitura de vacumare

- *pentru suportul de gaurire D 150-250-350*



DIAGER

	Ø maxim	
353HD14	D 150	215.25
354HD24	D 250	334.26
355HD34	D 350	386.23

399H

Kit complet de gaurire pentru fixarea standurilor de gaurire

- *set complet de gaurire pentru fixarea standurilor de gaurire*
- *include: burghie SDS-plus + burghie cu limitator - prize + instrumente de impact.*



DIAGER

399H	400	962.13



398H

Masina de carotat portabila 2000 W Combi conectare interior 1/2" si exterior 1-1/4"

- *putere motor: 2000 W.*
- *SmarT-Tronic (pornire usoara)*
- *sistem de protectie electrica*
- *diametru maxim de gaurire beton: 150 mm*
- *diametru maxim de gaurire caramida: 200 mm*
- *conectare carota 1/2 " interior si 1-1 / 4" exterior.*
- *furtun de apa cu indicator de debit*
- *conectare pentru apa sau praf*
- *LED indicator de suprasarcina.*
- *nivela dubla*
- *greutate 6,5 kg.*
- *3 viteze: 450 - 1050 - 2000 RPM.*
- *maner ergonomic pentru vibratii reduse si antialunecare*
- *montare rapida: guler Ø60*
- *lungime totala: 468 mm*



CORE CX 20-S3P

	W				
398H	2000	1/2"	1.1/4"	6300	**13307.65**

356E NOU

Kit masina de carotat 2000 W Combi conectare interior 1/2" si exterior 1-1/4" (350H) cu stand de gaurire

- *putere motor: 2000 W.*
- *avertizare electronica la suprasarcina*
- *diametru maxim de gaurire beton: 150 mm*
- *diametru maxim de gaurire caramida: 200 mm*
- *conectare carota 1/2 " interior si 1-1 / 4" exterior.*
- *greutate 6,5 kg.*
- *3 viteze: 450 - 1050 - 2000 RPM.*
- *maner ergonomic pentru vibratii reduse si antialunecare*
- *montare rapida: guler Ø60.*



	W				
356E	2000	1/2"	1.1/4"	44800	**20394,92**

353H

Stand de gaurire cu carote diametru maxim 150 mm

- *pentru masini de gaurit 2000 W*
- *diametru maxim de gaurire: 150 mm*
- *lungime maxima de lucru: 560 mm*
- *dimensiuni 45 x 23 x 90 cm*
- *greutate 8 kg*



	Ø maxim		
353HD150	150 mm	8000	**6539,02**

354H

Stand de gaurire cu carote diametru maxim 250 mm

- *pentru masini de gaurit 2500 W si 3400 W*
- *diametru maxim de gaurire: 250 mm*
- *lungime maxima de lucru: 700 mm*
- *dimensiuni 46 x 27 x 120 cm*
- *greutate 15 kg*



	Ø maxim		
354HD250	250 mm	15000	**8916,56**

355H

Stand de gaurire cu carote diametru maxim 350 mm

- *pentru masini de gaurit 2500 W, 3300 W, 3400 W*
- *diametru maxim de gaurire: 350 mm*
- *lungime maxima de lucru: 600 mm*
- *dimensiuni 46 x 27 x 120 cm*
- *greutate 22 kg*



	Ø maxim		
355HD350	350 mm	22000	**11814,43**

353HD11

Sistem recuperare apa

• pentru suportul de gaurire D 150 cu baza de cauciuc



353HD11	2006.23

354HD21

Sistem recuperare apa

• pentru suportul de gaurire D 250 cu baza de cauciuc



354HD21	2191.97

355HD31

Sistem recuperare apa

• pentru suportul de gaurire D 350 cu baza de cauciuc



355HD31	2823.61

Baza de cauciuc

• pentru sistemul de recuperare apa



	Ø maxim	
353HD12	D 150	223.11
354HD22	D 250	311.80
355HD32	D 350	431.15

370H

Ax de tensiomare



370H	288.69

Adaptoare pentru masini de carotat



	①	②	
369H	1-1/4" tata	1/2" tata	237.70
381H	1/2" mama 1-1/4" tata	Compatibil cu masinile HILTI DD80/100/110/120/130	631.80
382H	1/2" mama 1-1/4" male	Compatibil cu masinile HILTI DD160/250/400/750	1054.75
385H	1/2" mama 1-1/4" tata	Compatibil cu masinile HILTI DD200/350/500	1857.70
390H	1/2" mama	1-1/4" mama	237.70

Sisteme de fixare



F71



F71OF



373H

373H	Ancora cu un suport (max. 300mm)	2675.08

Accesorii



383H



384H



392H



441



393H



397H

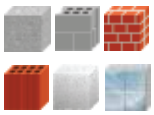
	Descriere	
383H	1/2" mama Prelungitor 200 mm pentru carota 1/2" tata	245.25
384H	1-1/4" mama Prelungitor 300 mm pentru carota 1-1/4" tata	438.20
393H	Bloc despartitor pentru cadru 354H / 355H	1188.20
397H	Inel de eliberare rapida 1-1/4" pentru a facilita dezasamblare	63.11



431

Carota cu segmente diamantate scurta pentru materiale de constructii

- *pentru instalatori si electricieni*
- *segmente ondulate scurte*
- *diamante de inalta calitate*
- *prindere M16*
- *utilizare uscata, turatie recomandata 250 rpm*
- *fara vibratii, fara aschii*





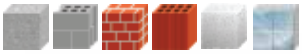
DIAGER

	Dimensiune	N.S.	Lungime	Ambalare	
431D68	68	5	66	1	**656.89**
431D82	82	6	66	1	**811.48**

432

Carota cu segmente diamantate lunga pentru materiale de constructii

- *pentru instalatori si electricieni*
- *segmente ondulate scurte*
- *diamante de inalta calitate*
- *prindere M16*
- *utilizare uscata, turatie recomandata 250 rpm*
- *fara vibratii, fara aschii*





DIAGER

	Dimensiune	N.S.	Lungime	Ambalare	
432D29	29	3	154	1	**683.44**
432D35	35	3	154	1	**713.28**
432D42	42	4	154	1	**808.52**
432D52	52	5	154	1	**808.52**
432D65	65	5	154	1	**915.57**

431C

Trusa carote pentru electrician



DIAGER

	Dimensiune	Ambalare	
431C	5 piese carota diamantata Ø68 + adaptor compatibil SDS-plus L100mm + burghiu de cenreare + piatra de ascutit	1	**1467.87**

367 - 368 - 433

Adaptor pentru carote diamantate

- *filet M16*



DIAGER

	Dimensiune	Lungime	Ambalare	
compatibil SDS-plus				
367L0100	100	100	1	**256.72**
367L0170	170	170	1	**308.36**
367L0220	220	220	1	**336.07**
367L0320	320	320	1	**391.64**
hexagonal				
433L0100	100	100	1	**294.10**
433L0220	220	220	1	**432.62**
433L0320	320	320	1	**520.00**

420

Ghidaj de centrare pentru carote diamantate



DIAGER

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
420D08L0120	8	90	120	1	**53.77**
420D08L0210	8	180	210	1	**60.49**

427

Piatra de ascutit

- *dimensiuni: 200x20x100 mm*



DIAGER

	Dimensiune	Lungime	Latime	Ambalare	
427	20	100	200	1	**260.00**

327 - 328 - 365

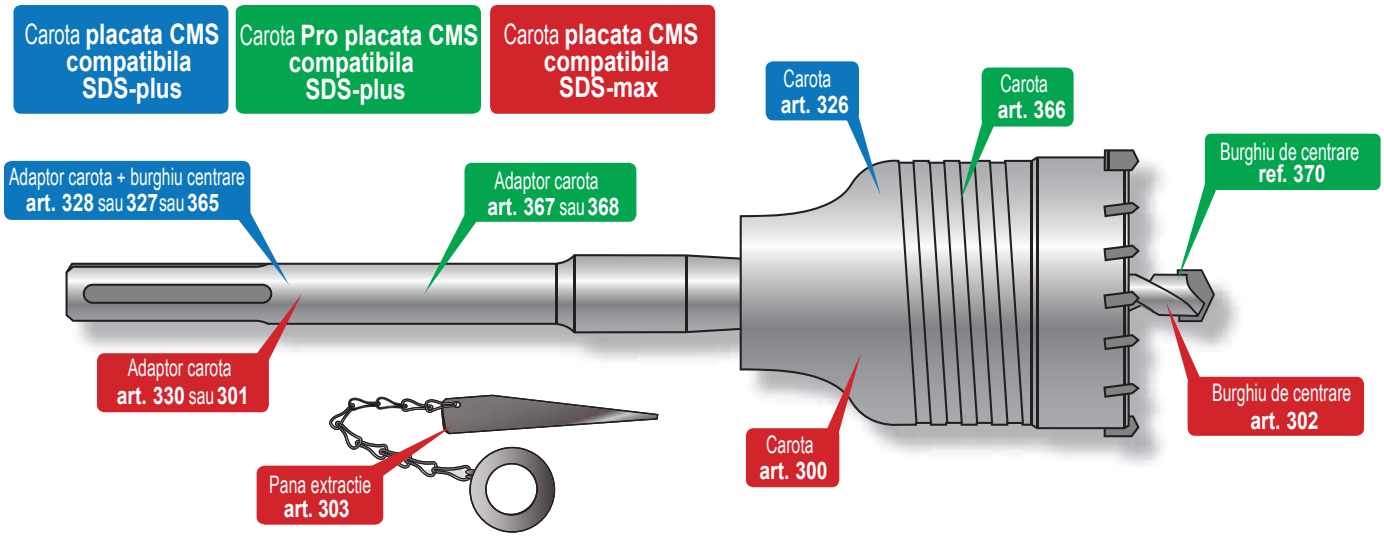
Adaptor SDS-plus pentru carote



DIAGER

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
Adaptor compatibil SDS-plus pentru carote					
328L0090	150	-	150	1	**212.79**

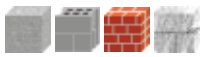
Carote pentru beton



366

Carota cu placute CMS SDS-plus

- *placute sudate din carbura*
- *corp din otel, tartat termic*
- *gaurire pentru diametre mari.*
- *rezistenta ridicata si durata de viata prelungita.*
- *filet de montare M16*
- *ideala pentru gauri de diametre mari pentru instalatii electrice*
- *pentru utilizare cu masini de gaurit cu percutie de 700 W - 950 W, pana la 5 kg*







DIAGER

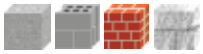
< 5 KG

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
366D30	30	50	70	1	**359.84**
366D35	35	50	70	1	**380.00**
366D40	40	50	70	1	**460.16**
366D45	45	50	70	1	**500.00**
366D50	50	50	70	1	**539.51**
366D60	60	50	70	1	**579.34**
366D66	66	50	70	1	**620.49**
366D68	68	50	70	1	**680.16**
366D70	70	50	70	1	**719.84**
366D80	80	50	70	1	**759.34**
366D85	85	50	70	1	**799.02**
366D90	90	50	70	1	**879.84**
366D105	105	50	70	1	**1122.13**
366D125	125	50	70	1	**1239.51**
366D130	130	50	70	1	**1400.33**

300

Carota cu placute CMS SDS-max

- *otel de inalta rezistenta.*
- *placute din carbura brazate la temperatura ridicata.*
- *gaurire pentru diametre mari.*
- *rezistenta ridicata si durata de viata prelungita.*
- *la montare, asigurati-va ca scula este blocata pe conul adaptorului.*
- *efectuați o gaura de pre-gaurire folosind doar burghiul central.*
- *puternica si eficienta in lucrari de renovare si instalatii sanitare*
- *se poate utiliza cu orice tip de masina de gaurit cu percutie cu putere mai mare de 950 W, peste 5 kg*







DIAGER

> 5 KG

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
300D30	30	75	100	1	**399.34**
300D35	35	75	100	1	**420.49**
300D40	40	75	100	1	**500.00**
300D50	50	75	100	1	**579.34**
300D60	60	75	100	1	**620.49**
300D66	66	75	100	1	**680.16**
300D80	80	75	100	1	**799.02**
300D90	90	75	100	1	**919.34**
300D100	100	75	100	1	**1040.00**
300D110	110	75	100	1	**1198.52**
300D125	125	75	100	1	**1318.85**
300D150	150	75	100	1	**2956.23**

367 - 368

Adaptor M16 compatibil SDS-plus & SPIT pentru carote



DIAGER

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
Adaptor compatibil SDS-plus pentru carote					
367L0100	100	-	100	1	**256.72**
367L0170	170	-	170	1	**308.36**
367L0220	220	-	220	1	**336.07**
367L0320	320	-	320	1	**391.64**

330

Adaptor compatibil SDS-max pentru carote



DIAGER

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
330L0220	220	-	220	1	**380.00**
330L0420	420	-	420	1	**468.36**
330L0700	700	-	700	1	**644.10**
330L0900	900	-	900	1	**719.84**

302

Burghiu de centrare



DIAGER

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
302	11	90	102	1	**62.13**

303

Pana pentru carota



DIAGER

	Ambalare	
303	1	**203.77**



326C

Kit carota cu placute CMS SDS-plus

Gata de utilizare: *carota cu carbura 40 mm, adaptor SDS-plus si burghiu de centrare.*
- *dinti din carbura brazati la temperatura ridicata*
- *otel de inalta rezistenta.*
- *gaurire pentru diametre mari.*
- *potrivite pentru rotopercutoare mai mici de 700W.*
- *adancime de gaurire 40 mm.*

Aplicatii: *instalare prize, comutatoare, spoturi ...*











DIAGER

	Dimensiune	Lungime activa	Lungime totala	Ambalare	
326CD068	68	40	150	1	**525.25**
326CD080	80	40	150	1	**744.92**

360D NOU

Carota cu carbura cu prindere M16

• carote din din otel de inalta rezistenta, cu dinti din carbura brazati cu cupru la temperaturi ridicate, pentru gaurire rapida si rezistenta buna la uzura
• potrivit pentru burghie electrice de peste 950W
• dinti grosi de carbura lipiti in cupru pentru rezistenta de pana la 1200 de grade Celsius
• pentru materiale ca: BCA, beton, piatra naturala, caramida, beton celular, tencuiala
• extragere usoara a miezului datorita gaurii alungite de evacuare
• prindere pe filet M16



CRUSHER

DIAGER®

	mm	L	
360D35	35	50	364.43
360D40	40	50	441.83
360D45	45	50	479.98
360D50	50	50	518.14
360D60	60	50	556.30
360D66	66	50	595.54
360D68	68	50	652.85
360D80	80	50	729.01
360D85	85	50	767.01
360D105	105	50	1077.24
360D125	125	50	1189.84

300W NOU

Conducator tija SDS+

• se bate cu acest conducator tija in pamant unde e cazul: tarusi etc.
• se foloseste astfel scule electrica pe post de ciocan



DIAGER®

	tip	
300W20L0260	SDS plus	219.28

301W NOU

Conducator tija SDS MAX

• se bate cu acest conducator tija in pamant unde e cazul: tarusi etc.
• se foloseste astfel scule electrica pe post de ciocan

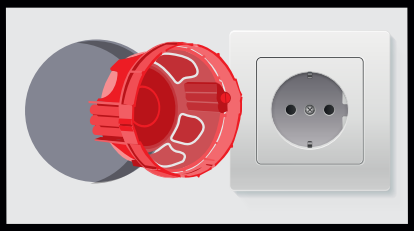


DIAGER®

	tip	
301W20L0260	SDS MAX	284.53

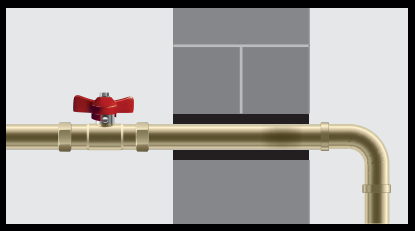
APLICATII

PRIZE



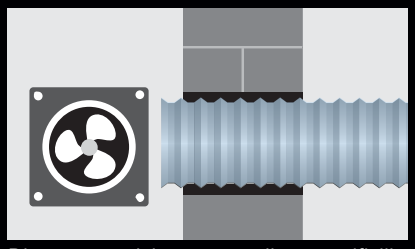
Standardul stipulează că toate circuitele electrice montate încastrat trebuie să utilizeze cutii montate încastrat pentru a respecta următoarele cerințe.

TRECERI PENTRU TEVI



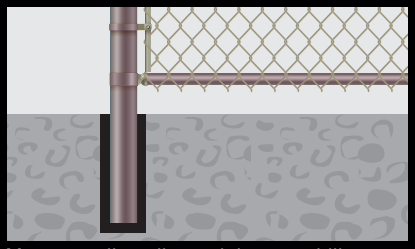
Ideal pentru a face găuri pentru trecerea țevilor (de exemplu, scurgeri de chiuvetă, dușuri și evacuare WC-uri),

CONDUCTE VENTILATIE



Diametru potrivit pentru realizarea orificiilor pentru trecerea conductelor CMV sau diverse pentru ventilatie

MONTARE STALPI



Montarea diversilor stalpi sau mobilier stradal in beton

362L NOU

Adaptor carote M16 - SDS plus



DIAGER®

	mm	
362L0105	105	246.38
362L0170	170	295.90
362L0220	220	322.53
362L0320	320	375.95

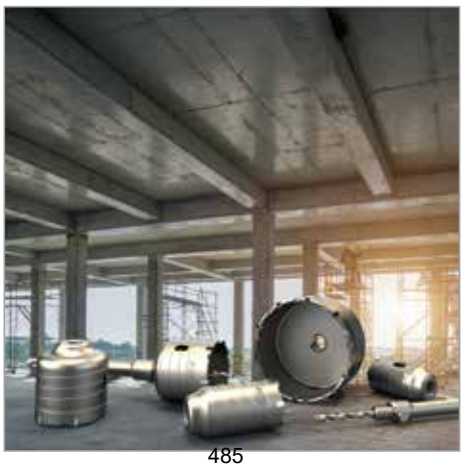
374D NOU

Burghiu de centrare 9x100 mm



DIAGER®

	mm	
374D08L0105	9 x 100	61.36

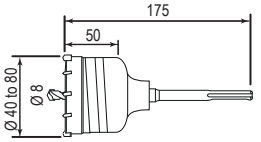


325CD NOU

Kit carota cu carbura cu prindere M16 + adaptor

• carote din din otel de inalta rezistenta, cu dinti din carbura brazati cu cupru la temperaturi ridicate, pentru gaurire rapida si rezistenta buna la uzura
• potrivit pentru burghie electrice de peste 950W
• dinti grosi de carbura lipiti in cupru pentru rezistenta de pana la 1200 de grade Celsius
• pentru materiale ca: BCA, beton, piatra naturala, caramida, beton celular, tencuiala
• extragere usoara a miezului datorita gaurii alungite de evacuare
• prindere pe filet M16





CRUSHER

DIAGER®

	mm	L	
325CD40	40	175	537.30
325CD50	50	175	595.54
325CD66	66	175	678.39
325CD68	68	175	593.67
325CD80	80	175	636.50
300CD100	100	420	1447.89
300CD125	125	420	1715.76

3346/89-FB

Carota bimetal pentru fatade, diametru 89 mm, 4/6 tpi, cu razuitor din carbura de tungsten si limitator de adancime la 90 mm

- *recomandat pentru taieri curate in Styrofoam (PS) si placi dure de spuma*
- *solutie perfecta pentru reparatiile fatadelor izolate*
- *adaptor hexagonal si dorn centrare incorporate*







WILPU saw blades

	TPI	Diametru	Ambalare	
33289 00101	3 1/2"	89 mm	1	1020.17

33XL

Carote placate T.C.T. 165 mm

- *pentru taieri rapide si agresive datorita canalelor mari de evacuare*
- *pentru materiale de pana la 165 mm*



WILPU saw blades — LONG LIFE

Art.		Dimensiune mm	Nr. de dinti	Ambalare	
33/51	33651 00001	Ø 51 mm, NL 165 mm	3	1	638.67
33/60	33660 00001	Ø 60 mm, NL 165 mm	3	1	717.94
33/70	33670 00001	Ø 70 mm, NL 165 mm	3	1	847.11
33/80	33680 00001	Ø 80 mm, NL 165 mm	4	1	952.91
33/102	33702 00001	Ø 102 mm, NL 165 mm	5	1	1075.24
33/111	33711 00001	Ø 111 mm, NL 165 mm	5	1	1202.07
33/121	33721 00001	Ø 121 mm, NL 165 mm	6	1	1397.16
33/130	33730 00001	Ø 130 mm, NL 165 mm	6	1	1618.12
33/152	33752 00001	Ø 152 mm, NL 165 mm	6	1	1856.26
33/160	33760 00001	Ø 160 mm, NL 165 mm	6	1	2358.59

3346/60-LB

Carota cu arc ejector 68 mm

- *diametru 68 mm si adancime de taiere 36 mm.*
- *solutie perfecta pentru taieri curate, rapide pentru montarea panourilor electrice in pereti subtiri*
- *adaptor hexagonal cu ax de 9,5 mm si dorn centrare incorporate*



WILPU saw blades

	TPI	Diametru	Ambalare	
33600 00001	2 11/18"	68 mm	1	555.73

LWS 68/85

Carota HCS cu muchii de taiere ondulate, pentru taieri in materiale de izolare moi si fibroase

- *diametru 68 mm si adancime de taiere 85 mm.*
- *solutie perfecta pentru taieri curate, rapide si fara praf in materiale de izolare tip vata minerala, vata de sticla, fibre de canepa, in sau lana.*
- *adaptor hexagonal cu ax de 9,5 mm si dorn centrare incorporate*



WILPU saw blades

Art.		Dimensiune mm	Ambalare	
LWS 35/85	33435 00101	35 mm	1	635.33
LWS 65/85	33465 00101	65 mm	1	881.99
LWS 68/85	33468 00101	68 mm	1	996.14
LWS 74/85	33474 00101	74 mm	1	1100.78
LWS 106,5/85	33506 00101	106,5 mm	1	1628.13
LWS 121/85	33521 00101	121 mm	1	1758.80

32

Carote cu carbura din tungsten

- *foarte rezistente, dinti cu carbura de tungsten*
- *carbura de tungsten asigura progresul optim al gauririi in materialele rasinoase si abrazive*
- *poate functiona cu actionare SDS / ciocan rotopercutor, dar fara percutie*
- *durată lunga de viata*
- *ideale pentru: ceramica, gips carton, placi aglomerate, lemn dur, lemn rasinos, produse din sticla si fibra de carbon (GRP), fibro-ciment, otel turnat, BCA, pardoseli, gresie si tigla*



WILPU saw blades — LONG LIFE

Art.		Dimensiune mm	Dimensiune inch	Ambalare	
32/16	32016 00001	16 mm	5/8"	1	63.92
32/20	32020 00001	20 mm	25/32"	1	63.92
32/22	32022 00001	22 mm	7/8"	1	68.76
32/25	32025 00001	25 mm	1"	1	68.76
32/29	32029 00001	29 mm	1 1/8"	1	74.76
32/32	32032 00001	32 mm	1 1/4"	1	74.76
32/44	32044 00001	44 mm	1 3/4"	1	82.27
32/51	32051 00001	51 mm	2"	1	82.27
32/54	32054 00001	54 mm	2 1/8"	1	87.28
32/60	32060 00001	60 mm	2 3/8"	1	87.28
32/64	32064 00001	64 mm	2 1/2"	1	98.30
32/70	32070 00001	70 mm	2 3/4"	1	109.31
32/73	32073 00001	73 mm	2 7/8"	1	109.31
32/83	32083 00001	83 mm	3 1/4"	1	109.31
32/102	32102 00001	102 mm	4"	1	160.04
32/114	32114 00001	114 mm	4 1/2"	1	160.04

33/S

Carote placate T.C.T. 60 mm

• pentru taieri rapide si agresive datorita canalelor mari de evacuare
• pentru materiale de pana la 60 mm



WILPU saw blades

Art.		Dimensiune mm	Nr. de dinti	Ambalare	
33/S16	**33116 00001**	33/S16LS 16 mm	1	1	**72.60**
33/S19	**33119 00001**	33/S19LS 19 mm	1	1	**76.60**
33/S20	**33120 00001**	33/S20LS 20 mm	1	1	**76.60**
33/S22	**33122 00001**	33/S22LS 22 mm	1	1	**79.10**
33/S25	**33125 00001**	33/S25LS 25 mm	1	1	**79.10**
33/S29	**33129 00001**	33/S29LS 29 mm	1	1	**85.61**
33/S30	**33130 00001**	33/S30LS 30 mm	1	1	**85.61**
33/S32	**33132 00001**	33/S32LS 32 mm	1	1	**87.61**
33/S35	**33135 00001**	33/S35LS 35 mm	1	1	**87.61**
33/S38	**33138 00001**	33/S38LS 38 mm	2	1	**87.61**
33/S40	**33140 00001**	33/S40LS 40 mm	2	1	**91.12**
33/S44	**33144 00001**	33/S44LS 44 mm	2	1	**91.12**
33/S45	**33145 00001**	33/S45LS 45 mm	2	1	**91.12**
33/S50	**33150 00001**	33/S50LS 50 mm	2	1	**114.32**
33/S51	**33151 00001**	33/S51LS 51mm	3	1	**114.32**
33/S54	**33154 00001**	33/S54LS 54mm	3	1	**116.65**
33/S57	**33157 00001**	33/S57LS 57mm	3	1	**117.65**
33/S60	**33160 00001**	33/S60LS 60mm	3	1	**124.83**
33/S63	**33163 00001**	33/S63LS 63mm	3	1	**143.35**
33/S64	**33164 00001**	33/S64LS 64mm	3	1	**143.35**
33/S65	**33165 00001**	33/S65LS 65mm	3	1	**143.35**
33/S67	**33167 00001**	33/S67LS 67mm	3	1	**151.36**
33/S68	**33168 00001**	33/S68LS 68mm	3	1	**151.36**
33/S70	**33170 00001**	33/S70LS 70mm	3	1	**153.53**
33/S73	**33173 00001**	33/S73LS 73mm	3	1	**153.53**
33/S74	**33174 00001**	33/S74LS 74mm	3	1	**153.53**
33/S76	**33176 00001**	33/S76LS 76mm	4	1	**162.55**
33/S79	**33179 00001**	33/S79LS 79mm	4	1	**179.40**
33/S80	**33180 00001**	33/S80LS 80mm	4	1	**179.40**
33/S82	**33182 00001**	33/S82LS 82mm	4	1	**179.40**
33/S83	**33183 00001**	33/S83LS 83mm	4	1	**184.07**
33/S86	**33186 00001**	33/S86LS 86mm	4	1	**188.58**
33/S89	**33189 00001**	33/S89LS 89mm	4	1	**188.58**
33/S92	**33192 00001**	33/S92LS 92mm	4	1	**188.58**
33/S102	**33202 00001**	33/S102LS 102mm	5	1	**225.46**
33/S105	**33205 00001**	33/S105LS 105mm	5	1	**225.46**
33/S108	**33208 00001**	33/S108LS 108mm	5	1	**230.30**
33/S111	**33211 00001**	33/S111LS 111mm	5	1	**230.30**
33/S114	**33214 00001**	33/S114LS 114mm	5	1	**239.15**
33/S121	**33221 00001**	33/S121LS 121mm	6	1	**253.33**
33/S125	**33225 00001**	33/S125LS 125mm	6	1	**259.51**
33/S127	**33227 00001**	33/S127LS 127mm	6	1	**259.51**
33/S133	**33233 00001**	33/S133LS 133mm	6	1	**262.51**
33/S140	**33240 00001**	33/S140LS 140mm	6	1	**262.51**
33/S152	**33252 00001**	33/S152LS 152mm	6	1	**317.08**
33/S160	**33260 00001**	33/S160LS 160mm	6	1	**333.77**
33/S165	**33265 00001**	33/S165LS 165mm	6	1	**350.63**
33/S177	**33277 00001**	33/S177LS 177mm	6	1	**385.67**
33/S185	**33285 00001**	33/S185LS 185mm	6	1	**425.39**
33/S210	**33310 00001**	33/S210LS 210mm	6	1	**488.81**

33

Carote universale placate T.C.T. 60 mm

• pentru taieri rapide si agresive datorita canalelor mari de evacuare
• ideala pentru toate tipurile de lemn, PAL, rigips, materiale plastice, materiale ranforsate cu fibra de sticla sau de carbon, BCA, materiale de tip sandwich de pana la 60 mm



WILPU saw blades

Art.		Dimensiune mm	Dimensiune inch	Nr. de dinti	
33/30	**33030 00001**	30 mm	1 3/16"	3	**266.02**
33/40	**33040 00001**	40 mm	1 9/16"	3	**317.75**
33/50	**33050 00001**	50 mm	2"	3	**344.12**
33/55	**33055 00001**	55 mm	2 1/8"	3	**369.82**
33/60	**33060 00001**	60 mm	2 3/8"	5	**392.35**
33/65	**33065 00001**	65 mm	2 9/16"	5	**407.87**
33/68	**33068 00001**	68 mm	2 11/16"	5	**410.70**
33/76	**33076 00001**	76 mm	3"	5	**526.52**
33/80	**33080 00001**	80 mm	3 1/8"	5	**542.04**
33/90	**33090 00001**	90 mm	3 1/2"	5	**612.30**
33/105	**33105 00001**	105 mm	4 1/8"	6	**784.53**

NOU

Set carote pentru taieturi rapide

• carote T.C.T. cu gauri, adancime de taiere 60 mm, pentru taieturi foarte rapide in lemn, plastic, BCA, piatra moale si caramida



WILPU saw blades

	Ø		
HMS-4 ECO PACK	**33632 00001**	HMS-4 · 6-piese Ø 40, 51, 60, 68, 80 mm, ZE 4B	**1147.54**
HMS-5 ECO PACK	**33631 00001**	HMS-5 · 10-piese Ø 22, 25, 32, 35, 45, 60, 68, 76 mm, ZE 2, ZE 4 B	**1475.41**

PILOT
COMPATIBIL CU CAROTELE DIAMANTATE SI CU CARBURA





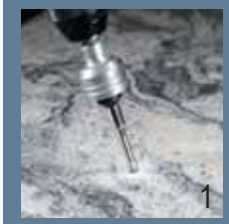




Acest PILOT cu coada hexagonala de 8,5 permite schimbarea carotei intr-un singur pas. Este necesar sa insurubati un burghiu pilot (440B) pe carota diamanta, apoi sa-l fixati in interiorul arborelui.

Burghiu centrare / art.440A
PRE-GAURIRE
GAURA PILOT









1. Pregurire cu burghiul de centrare.
2. Apoi montati simultan burghiu si carota (scoateti in prealabil adaptorul din burghiu) pe pilot cu o singura mana.
3. Gauriti folosind pregaura prealabila.

440C

Carota diamantata cu filet M14

- *filet M14 pentru polizor unghiular.*
- *granulatie de diamant de calitate premium*
- *adancime de taiere 35 mm.*
- *gaurire uscata.*
- *taiere curata, rapida si precis*

Recomandari

- *porniti gaurirea la 45°.*
- *viteza de gaurire recomandata > 1500 rpm.*
- *pentru a evita riscul de ranire, asteptati pana cand polizorul s-a oprit complet inainte de a inlocui carota de pe ax.*




polizor unghiular










DIAGER

	Dimensiune	Lungime activa	Ambalare	
440CD030	30	35	1	322.55
440CD035	35	35	1	379.41
440CD040	40	35	1	413.48
440CD045	45	35	1	446.60
440CD051	51	35	1	500.77
440CD055	55	35	1	531.01
440CD060	60	35	1	580.79
440CD068	68	35	1	667.12
440CD073	73	35	1	733.16
440CD076	76	35	1	748.47
440CD083	83	35	1	816.82

440A

Burghiu de centrare cu carota diamantata pentru utilizare cu masina de gaurit

- *burghiu centrare cu carota diamantata One Hand L = 110 ø 8mm pentru marmura, tigla si zidarie*



DIAGER

	Dimensiune	Lungime	Ambalare	
440AD08L110	8	110	1	279.10

440B

Adaptor M14 pentru carota diamantata pentru utilizare cu burghiul centrare pe masini de gaurit

- *adaptor diamant One Hand 3 bucati pentru carote diamantata cu prindere M14 ø 30 la 83 mm*



DIAGER

	Dimensiune	Lungime	Ambalare	
440BD05132	M14	-	1	175.54

358A

Pilot One Hand cu prindere hexagonala pentru utilizare pe o masini de gaurit

- *dimensiune hexagon 8.5 mm*



DIAGER

	Dimensiune	Lungime	Ambalare	
358AH08.5	8.5	-	1	195.57

357L

Carota cu placute CMS multimaterial

- *carota cu dinti din carbură pentru taiere curata si performanta*
- *dintii cu varf de carbura de inaltă calitate, rezultand o performanta remarcabila de taiere si durabilitate a produsului*
- *pentru utilizare cu burghiul pilot (sistem onehand) care permite o economie de timp importanta datorita blocarii si deblocarii carotei intr-o singura miscare*
- *adancime de taiere 60 mm*
- *degajare rapida de aschii datorita sloturilor largi special concepute*
- *taiere lina, cu degajare minima de caldura*
- *potrivite pentru utilizarea cu scule electrice cu fir si cu acumulator*

Materiale: *lemn, caramida cu goluri, PVC, tencuiala*
Aplicatii: *instalare prize, comutatoare, spoturi*
Recomandari: *adaptati viteza de rotatie si burghiul de centrare in functie de materialul de gaurit*





masini de gaurit si rotopercutoare





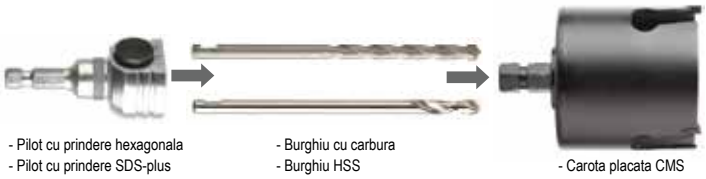


DIAGER

	Dimensiune	Lungime activa	Ambalare	
357LD019	19	60	1	87.87
357LD022	22	60	1	87.87
357LD025	25	60	1	94.10
357LD032	32	60	1	94.10
357LD035	35	60	1	101.48
357LD040	40	60	1	110.33
357LD044	44	60	1	118.85
357LD051	51	60	1	130.49
357LD054	54	60	1	142.79
357LD060	60	60	1	150.16
357LD065	65	60	1	162.62
357LD068	68	60	1	168.85
357LD076	76	60	1	188.36
357LD083	83	60	1	216.23
357LD102	102	60	1	266.23
357LD114	114	60	1	304.10
357LD127	127	60	1	427.54
357LD140	140	60	1	508.20

Ø	Turatie recomandata la gaurirea cu carote cu carbura			
	Lemn	Plastic	Tencuiala	Caramida cu goluri
19-38	800	600	600	600 rpm
40-51	700	450	450	450 rpm
52-76	500	350	350	350 rpm
79-108	300	250	250	250 rpm
111-140	200	150	150	150 rpm

PRINDERE SIMPLA SI RAPIDA



- Pilot cu prindere hexagonala
- Pilot cu prindere SDS-plus
- Burghiu cu carbura
- Burghiu HSS
- Carota placata CMS

357A

Pilot One Hand cu prindere hexagonala cu burghiu HSS

- *dimensiune hexagon 8.5 mm*



DIAGER

	Dimensiune	Lungime	Ambalare	
357AH06.35L125	8.5	-	1	210.16

357B

Pilot One Hand cu prindere hexagonala cu burghiu cu carbura

- *dimensiune hexagon 8.5 mm*



DIAGER

	Dimensiune	Lungime	Ambalare	
357BH07L125	8.5	-	1	210.16

357C

Pilot One Hand cu prindere SDS-plus cu burghiu HSS

SDS plus



DIAGER

	Dimensiune	Lungime	Ambalare	
357CD06.35L125	-	-	1	302.46

357F

Burghiu de centrare HSS - pilot One Hand

- *burghie de centrare HSS cu coada aplatizata Ø 6,35mm*
- *lungime: 125 mm*



DIAGER

	Dimensiune	Lungime	
357FD06.35L0125	6.35	125	48.69

357G

Burghiu de centrare cu carbura - pilot One Hand

- *burghie de centrare cu carbura cu coada aplatizata Ø 7mm*
- *lungime: 125 mm*



DIAGER

	Dimensiune	Lungime	
357GD07L0125	7	125	44.59

357J

Set 3 conectori lungi pentru carote de pentru montarea a 2 carote pe acelasi conector



2 carote de la 19 la 30 mm

1 carote de la 19 la 30 mm + 1 carota de la 32 la 140 mm

2 carote de la 32 la 40 mm

DIAGER

	Dimensiune	Lungime	
357JD14210	32-140	-	133.44

3000C

Set carote electricieni ø22-35-40-51-54-65-68 mm

- *carote cu carbura (ø22-35-40-51-54-65-68 mm) + pilot manual cu prindere hexagonala de 8,5 mm cu burghiu central HSS + 1 burghiu central din carbură + 1 cheie imbus*



DIAGER

	Dimensiune	
3000C	ø22-35-40-51-54-65-68 mm	1012.46

3000E

Set carote instalatori ø19-25-32-38-44-57-68 mm

- *carote cu carbură (ø19-25-32-38-44-57-68 mm) + pilot manual cu prindere hexagonala de 8,5 mm cu burghiu central HSS + 1 burghiu central din carbură + 1 cheie imbus*



DIAGER

	Dimensiune	
3000E	ø19-25-32-38-44-57-68 mm	962.30

5.1191 NOU

Ghidaj de gaurire cu capac de aspirare pentru burghie

- *ventuza pentru a atasa ghidajul pe mai multe tipuri de suprafete ceramica, gresie, gresie portelanata, sticla, marmura, metal*
- *invelis metalic cu orificii pentru o protectie intarita*
- *diametre 4-5-6-7-8-10-12 mm*



STAYER

	Ø		
5.1191	4-5-6-7-8-10-12	358	141,97

440S NOU

Ghidaj de centrare pentru carote diamante

- *ghidaj cu ventuza pentru gaurire orizontală si verticala*
- *ofera centrare perfecta.*
- *ideal pentru gaurire fara marcare*
- *pentru burghie diamante carote diamante de la ø4 la 80 mm*
- *potrivit pentru toate tipurile de materiale, ceramica si piatra naturala cu suprafete netede*
- *fixare cu ventuza*
- *butoane pentru o reglare dimensiunii*
- *rama de metal*



DIAGER

440S	287.54

3000A NOU

Set carota dimanatata Ø68 mm

- *carota cu dinti din carbura pentru taiere curata si performanta*
- *dintii cu varf de carbura de inaltă calitate, rezultand o performanta remarcabila de taiere si durabilitate a produsului*
- *pentru utilizare cu burghiul pilot (sistem onehand) care permite o economie de timp importanta datorita blocarii si deblocarii carotei intr-o singura miscare*
- *adancime de taiere 60 mm*
- *degajare rapida de aschii datorita sloturilor largi special concepute*
- *taiere lina, cu degajare minima de caldura*
- *potrivite pentru utilizarea cu scule electrice cu fir / acumulator*
- *materiale: lemn, caramida cu goluri, PVC, tencuiala*
- *aplicatii: instalare prize, comutatoare, spoturi*
- *recomandari: adaptati viteza de rotatie si burghiul de centrare in functie de materialul de gaurit*



DIAGER

3000A	558.36
1 carota cu carbura multimaterial Ø68 mm cu limitator de adncime Ø73 mm + arbore cu tija hexagonala 8,5 mm si burghiu central HSS	

3000B NOU

Set carote dimanatate Ø68 si 83 mm

- *carota cu dinti din carbură pentru taiere curata si performanta*
- *dintii cu varf de carbura de inaltă calitate, rezultand o performanta remarcabila de taiere si durabilitate a produsului*
- *pentru utilizare cu burghiul pilot (sistem onehand) care permite o economie de timp importanta datorita blocarii si deblocarii carotei intr-o singura miscare*
- *adancime de taiere 60 mm*
- *degajare rapida de aschii datorita sloturilor largi special concepute*
- *taiere lina, cu degajare minima de caldura*
- *potrivite pentru utilizarea cu scule electrice cu fir / acumulator*
- *materiale: lemn, caramida cu goluri, PVC, tencuiala*
- *aplicatii: instalare prize, comutatoare, spoturi*
- *recomandari: adaptati viteza de rotatie si burghiul de centrare in functie de materialul de gaurit*



DIAGER

3000B	609.51
2 carote cu carbura multimaterial Ø68 si 83 mm cu limitator de adncime Ø73 mm + arbore cu tija hexagonala 8,5 mm si burghiu central HSS	

30

Carota Bi-Metal 8% Cobalt

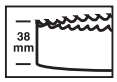
• dantura variabila de 4/6 tpi de inalta calitate, bi-metal aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata.
• suportul masiv posterior asigura o taiere neteda si gauri precise pentru prize, filete, cabluri si conducte.
• in special pentru: lemn, placi de ghips, materiale plastice, metale neferoase, otel aluminiu si otel inoxidabil minim 1 mm.



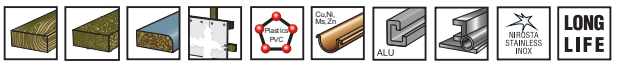
MADE IN GERMANY

bi
8% COBALT

z 4 - 6
pZ • tpi • d/p
Variabel



WILPU®
saw blades



Art.		Dimensiune mm	Dimensiune inch	Ambalare	
30/14	**30014 00101**	14 mm	9/16 inch	1	**59.41**
30/16	**30016 00101**	16 mm	5/8 inch	1	**59.41**
30/17	**30017 00101**	17 mm	11/16 inch	1	**59.41**
30/19	**30019 00101**	19 mm	3/4 inch	1	**59.41**
30/20	**30020 00101**	20 mm	25/32 inch	1	**59.41**
30/21	**30021 00101**	21 mm	13/16 inch	1	**61.41**
30/22	**30022 00101**	22 mm	7/8 inch	1	**61.41**
30/23	**30023 00101**	23 mm	8/9 inch	1	**63.42**
30/24	**30024 00101**	24 mm	15/16 inch	1	**63.42**
30/25	**30025 00101**	25 mm	1 inch	1	**63.42**
30/27	**30027 00101**	27 mm	1 1/16 inch	1	**64.42**
30/29	**30029 00101**	29 mm	1 1/8 inch	1	**64.42**
30/30	**30030 00101**	30 mm	1 3/16 inch	1	**67.92**
30/32	**30032 00101**	32 mm	1 1/4 inch	1	**67.92**
30/33	**30033 00101**	33 mm	1 5/16 inch	1	**70.09**
30/35	**30035 00101**	35 mm	1 3/8 inch	1	**69.76**
30/37	**30037 00101**	37 mm	1 7/16 inch	1	**75.10**
30/38	**30038 00101**	38 mm	1 1/2 inch	1	**75.10**
30/40	**30040 00101**	40 mm	1 9/16 inch	1	**75.10**
30/41	**30041 00101**	41 mm	1 5/8 inch	1	**75.10**
30/43	**30043 00101**	43 mm	1 11/16 inch	1	**86.45**
30/44	**30044 00101**	44 mm	1 3/4 inch	1	**90.62**
30/46	**30046 00101**	46 mm	1 13/16 inch	1	**90.62**
30/48	**30048 00101**	48 mm	1 7/8 inch	1	**90.62**
30/50	**30050 00101**	50 mm	1 31/32 inch	1	**90.62**
30/51	**30051 00101**	51 mm	2 inch	1	**90.62**
30/52	**30052 00101**	52 mm	2 1/16 inch	1	**95.79**
30/54	**30054 00101**	54 mm	2 1/8 inch	1	**106.47**
30/57	**30057 00101**	57 mm	2 1/4 inch	1	**106.47**
30/58	**30058 00101**	58 mm	2 7/25 inch	1	**106.47**
30/59	**30059 00101**	59 mm	2 5/16 inch	1	**106.47**
30/60	**30060 00101**	60 mm	2 3/8 inch	1	**106.47**
30/63	**30063 00101**	63 mm	2 31/64 inch	1	**114.32**
30/64	**30064 00101**	64 mm	2 1/2 inch	1	**114.32**
30/65	**30065 00101**	65 mm	2 9/16 inch	1	**114.32**
30/67	**30067 00101**	67 mm	2 5/8 inch	1	**114.32**
30/68	**30068 00101**	68 mm	2 11/16 inch	1	**114.32**
30/70	**30070 00101**	70 mm	2 3/4 inch	1	**114.32**
30/73	**30073 00101**	73 mm	2 7/8 inch	1	**120.49**
30/76	**30076 00101**	76 mm	3 inch	1	**120.49**
30/79	**30079 00101**	79 mm	3 1/8 inch	1	**120.49**
30/83	**30083 00101**	83 mm	3 1/4 inch	1	**120.49**
30/86	**30086 00101**	86 mm	3 3/8 inch	1	**134.84**
30/89	**30089 00101**	89 mm	3 1/2 inch	1	**134.84**
30/92	**30092 00101**	92 mm	3 5/8 inch	1	**147.36**
30/95	**30095 00101**	95 mm	3 3/4 inch	1	**169.39**
30/98	**30098 00101**	98 mm	3 7/8 inch	1	**185.24**
30/102	**30102 00101**	102 mm	4 inch	1	**185.24**
30/105	**30105 00101**	105 mm	4 1/8 inch	1	**214.28**
30/108	**30108 00101**	108 mm	4 1/4 inch	1	**272.02**
30/111	**30111 00101**	111 mm	4 3/8 inch	1	**277.36**
30/114	**30114 00101**	114 mm	4 1/2 inch	1	**277.36**
30/121	**30121 00101**	121 mm	4 3/4 inch	1	**277.36**
30/127	**30127 00101**	127 mm	5 inch	1	**333.44**
30/133	**30133 00101**	133 mm	5 1/4 inch	1	**368.82**
30/140	**30140 00101**	140 mm	5 1/2 inch	1	**385.84**
30/146	**30146 00101**	146 mm	5 3/4 inch	1	**423.72**
30/152	**30152 00101**	152 mm	6 inch	1	**438.57**
30/160	**30160 00101**	160 mm	6 1/3 inch	1	**496.32**
30/168	**30168 00101**	168 mm	6 2/3 inch	1	**566.91**
30/177	**30177 00101**	177 mm	7 inch	1	**593.28**
30/200	**30200 00101**	200 mm	7 7/8 inch	1	**642.01**
30/210	**30210 00101**	210 mm	8 1/4 inch	1	**696.75**
30/235	**30235 00101**	235 mm	9 1/4 inch	1	**801.05**
30/250	**30250 00101**	250 mm	10 inch	1	**939.23**

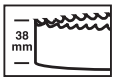
29

Carota Bi-Metal

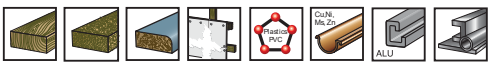
• dinti HSS, corp din otel
• pasul dintilor variabil 4/6
• gauri laterale pentru eliminarea materialului aschiat
• materiale: tabla otel, materiale neferoase, fier, fonta, lemn moale sau dur, grinzi, placaj, placi aglometare, lemn furniruit, gips-carton, materiale izolate, plastic



4 - 6
ZpZ • tpi • d/p
Variabel



WILPU®
saw blades



Art.		Dimensiune mm	Dimensiune inch	Ambalare	
29/14	**29014 00001**	14 mm	9/16 inch	1	**40.22**
29/16	**29016 00001**	16 mm	5/8 inch	1	**40.22**
29/17	**29017 00001**	17 mm	11/16 inch	1	**40.22**
29/19	**29019 00001**	19 mm	3/4 inch	1	**40.22**
29/20	**29020 00001**	20 mm	25/32 inch	1	**40.22**
29/21	**29021 00001**	21 mm	13/16 inch	1	**41.39**
29/22	**29022 00001**	22 mm	7/8 inch	1	**41.39**
29/23	**29023 00001**	23 mm	8/9 inch	1	**42.89**
29/24	**29024 00001**	24 mm	15/16 inch	1	**42.89**
29/25	**29025 00001**	25 mm	1 inch	1	**42.89**
29/27	**29027 00001**	27 mm	1 1/16 inch	1	**46.39**
29/29	**29029 00001**	29 mm	1 1/8 inch	1	**47.06**
29/30	**29030 00001**	30 mm	1 3/16 inch	1	**47.56**
29/32	**29032 00001**	32 mm	1 1/4 inch	1	**48.40**
29/33	**29033 00001**	33 mm	1 5/16 inch	1	**51.90**
29/35	**29035 00001**	35 mm	1 3/8 inch	1	**53.07**
29/37	**29037 00001**	37 mm	1 7/16 inch	1	**53.74**
29/38	**29038 00001**	38 mm	1 1/2 inch	1	**56.07**
29/40	**29040 00001**	40 mm	1 9/16 inch	1	**58.74**
29/41	**29041 00001**	41 mm	1 5/8 inch	1	**59.91**
29/43	**29043 00001**	43 mm	1 11/16 inch	1	**61.41**
29/44	**29044 00001**	44 mm	1 3/4 inch	1	**61.41**
29/46	**29046 00001**	46 mm	1 13/16 inch	1	**61.75**
29/48	**29048 00001**	48 mm	1 7/8 inch	1	**63.75**
29/51	**29051 00001**	51 mm	2 inch	1	**64.25**
29/52	**29052 00001**	52 mm	2 1/16 inch	1	**64.58**
29/54	**29054 00001**	54 mm	2 1/8 inch	1	**72.26**
29/57	**29057 00001**	57 mm	2 1/4 inch	1	**72.26**
29/58	**29058 00001**	58 mm	2 7/25 inch	1	**72.26**
29/59	**29059 00001**	59 mm	2 5/16 inch	1	**73.26**
29/60	**29060 00001**	60 mm	2 3/8 inch	1	**73.26**
29/64	**29064 00001**	64 mm	2 1/2 inch	1	**77.10**
29/65	**29065 00001**	65 mm	2 9/16 inch	1	**77.10**
29/67	**29067 00001**	67 mm	2 5/8 inch	1	**77.60**
29/68	**29068 00001**	68 mm	2 11/16 inch	1	**77.60**
29/70	**29070 00001**	70 mm	2 3/4 inch	1	**82.27**
29/73	**29073 00001**	73 mm	2 7/8 inch	1	**86.61**
29/76	**29076 00001**	76 mm	3 inch	1	**86.61**
29/79	**29079 00001**	79 mm	3 1/8 inch	1	**91.29**
29/83	**29083 00001**	83 mm	3 1/4 inch	1	**93.29**
29/86	**29086 00001**	86 mm	3 3/8 inch	1	**94.29**
29/89	**29089 00001**	89 mm	3 1/2 inch	1	**101.97**
29/92	**29092 00001**	92 mm	3 5/8 inch	1	**108.48**
29/95	**29095 00001**	95 mm	3 3/4 inch	1	**114.65**
29/98	**29098 00001**	98 mm	3 7/8 inch	1	**125.16**
29/102	**29102 00001**	102 mm	4 inch	1	**132.34**
29/105	**29105 00001**	105 mm	4 1/8 inch	1	**144.52**
29/108	**29108 00001**	108 mm	4 1/4 inch	1	**183.74**
29/111	**29111 00001**	111 mm	4 3/8 inch	1	**187.41**
29/114	**29114 00001**	114 mm	4 1/2 inch	1	**197.43**
29/121	**29121 00001**	121 mm	4 3/4 inch	1	**208.44**
29/127	**29127 00001**	127 mm	5 inch	1	**225.13**
29/133	**29133 00001**	133 mm	5 1/4 inch	1	**248.83**
29/140	**29140 00001**	140 mm	5 1/2 inch	1	**260.51**
29/146	**29146 00001**	146 mm	5 3/4 inch	1	**286.21**
29/152	**29152 00001**	152 mm	6 inch	1	**296.22**

1900

Carote Bi-Metal

• pentru gaurire in table de otel, metale neferoase (aluminiu), plastic, lemn, placaj etc.
• material: HSS Bi-Metal, cu pas variabil pentru eliminarea vibratiilor
• adancimea de taiere: 38 mm



BOC BOHRCRAFT

HSS | 4 - 6 TPI

	DIM(mm)	DIM.(inch)	LUNGIME	AMB	
19000900014	14	9/16"	38	1	32.13
19000900016	16	5/8"	38	1	32.95
19000900017	17	11/16"	38	1	18.69
19000900019	19	3/4"	38	1	19.84
19000900020	20	-	38	1	23.28
19000900021	21	13/16"	38	1	35.25
19000900022	22	7/8"	38	1	22.95
19000900024	24	15/16"	38	1	24.43
19000900025	25	1"	38	1	24.43
19000900027	27	-	38	1	28.36
19000900029	29	-	38	1	32.30
19000900030	30	1 3/16"	38	1	34.59
19000900032	32	1 1/4"	38	1	35.74
19000900033	33	1 5/16"	38	1	39.02
19000900035	35	1 3/8"	38	1	43.77
19000900037	37	1 7/16"	38	1	48.52
19000900038	38	1 1/2"	38	1	43.77
19000900040	40	1 9/16"	38	1	43.77
19000900041	41	1 5/8"	38	1	48.52
19000900043	43	1 11/16"	38	1	48.52
19000900044	44	1 3/4"	38	1	51.31
19000900045	45	-	38	1	53.44
19000900046	46	1 13/16"	38	1	55.57
19000900048	48	1 7/8"	38	1	51.31
19000900050	50	-	38	1	59.18
19000900051	51	2"	38	1	55.90
19000900052	52	2 1/16"	38	1	61.80
19000900054	54	2 1/8"	38	1	52.79
19000900055	55	-	38	1	54.26
19000900056	56	-	38	1	65.74
19000900057	57	2 1/4"	38	1	55.41
19000900059	59	2 5/16"	38	1	68.20
19000900060	60	2 3/8"	38	1	60.98
19000900064	64	2 1/2"	38	1	77.05
19000900065	65	2 9/16"	38	1	63.28
19000900067	67	2 5/8"	38	1	73.11
19000900068	68	2 11/16"	38	1	73.93
19000900070	70	2 3/4"	38	1	80.00
19000900073	73	2 7/8"	38	1	81.48
19000900075	75	-	38	1	78.52
19000900076	76	3"	38	1	86.89
19000900079	79	3 1/8"	38	1	90.00
19000900083	83	3 1/4"	38	1	94.10
19000900086	86	3 3/8"	38	1	96.23
19000900089	89	3 1/2"	38	1	107.54
19000900092	92	3 5/8"	38	1	112.30
19000900095	95	3 3/4"	38	1	113.77
19000900098	98	3 7/8"	38	1	116.39
19000900102	102	4"	38	1	120.49
19000900105	105	4 1/8"	38	1	127.21
19000900108	108	4 1/4"	38	1	129.02
19000900111	111	4 3/8"	38	1	105.57
19000900114	114	4 1/2"	38	1	108.20
19000900121	121	4 3/4"	38	1	147.21
19000900127	127	5"	38	1	157.54
19000900133	133	5 1/4"	38	1	168.03
19000900140	140	5 1/2"	38	1	178.52
19000900152	152	6"	38	1	256.23
19000900168	168	6 5/8"	38	1	358.52
19000900210	210	8 9/32"	38	1	447.38

31

Carote Bi-Metal 8% Cobalt 10 TPI

• dantura fina, 10 tpi, realizata din bimetal de inaltă calitate, aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata
• placuta baza masiva asigura o taiere neteda si gauri precise pentru suruburi, cabluri si conducte
• ideala pentru: otel si otel inoxidabil, tabla de metal de pana la 1 mm.



MADE IN GERMANY
bi 8% COBALT
10 ZpZ • tpi • d/p
38 mm

WILPU saw blades | LONG LIFE | NIROSTA STAINLESS INOX

Art.		Dimensiune mm	Dimensiune inch	Ambalare	
31/14	31014 00101	14 mm	9/16"	1	61.91
31/16	31016 00101	16 mm	5/8"	1	61.91
31/17	31017 00101	17 mm	11/16"	1	61.91
31/19	31019 00101	19 mm	3/4"	1	61.91
31/20	31020 00101	20 mm	25/32"	1	65.92
31/21	31021 00101	21 mm	13/16"	1	65.92
31/22	31022 00101	22 mm	7/8"	1	65.92
31/23	31023 00101	23 mm	19/21"	1	65.92
31/24	31024 00101	24 mm	15/16"	1	70.09
31/25	31025 00101	25 mm	1"	1	70.09
31/27	31027 00101	27 mm	1 1/16"	1	82.44
31/29	31029 00101	29 mm	1 1/8"	1	82.44
31/30	31030 00101	30 mm	1 3/16"	1	82.44
31/32	31032 00101	32 mm	1 1/4"	1	83.61
31/33	31033 00101	33 mm	1 5/16"	1	83.61
31/35	31035 00101	35 mm	1 3/8"	1	83.61
31/38	31038 00101	38 mm	1 1/2"	1	84.94
31/40	31040 00101	40 mm	1 9/16"	1	86.61
31/44	31044 00101	44 mm	1 3/4"	1	94.12
31/46	31046 00101	46 mm	1 13/16"	1	96.63
31/48	31048 00101	48 mm	1 7/8"	1	97.46
31/51	31051 00101	51 mm	2"	1	98.96
31/54	31054 00101	54 mm	2 1/8"	1	101.80
31/57	31057 00101	57 mm	2 1/4"	1	106.31
31/60	31060 00101	60 mm	2 3/8"	1	112.31
31/64	31064 00101	64 mm	2 1/2"	1	116.49
31/65	31065 00101	65 mm	2 9/16"	1	119.99
31/68	31068 00101	68 mm	2 11/16"	1	125.66
31/70	31070 00101	70 mm	2 3/4"	1	127.00
31/73	31073 00101	73 mm	2 7/8"	1	129.67
31/76	31076 00101	76 mm	3"	1	133.01
31/79	31079 00101	79 mm	3 1/8"	1	133.01
31/83	31083 00101	83 mm	3 17/64"	1	133.01
31/86	31105 00101	86 mm	3 3/8"	1	135.18
31/89	31089 00101	89 mm	3 1/2"	1	141.69
31/92	31092 00101	92 mm	3 5/8"	1	147.69
31/95	31095 00101	95 mm	3 3/4"	1	169.72
31/98	31098 00101	98 mm	3 7/8"	1	186.08
31/102	31102 00101	102 mm	4"	1	204.43
31/105	31086 00101	105 mm	4 1/8"	1	236.31
31/108	31108 00101	108 mm	4 1/4"	1	272.69
31/111	31111 00101	111 mm	4 3/8"	1	278.03
31/114	31114 00101	114 mm	4 1/2"	1	285.54
31/121	31121 00101	121 mm	4 3/4"	1	314.75
31/127	31127 00101	127 mm	5"	1	367.65
31/133	31133 00101	133 mm	5 1/4"	1	369.82
31/140	31140 00101	140 mm	5 1/2"	1	387.17
31/146	31146 00101	146 mm	5 3/4"	1	424.89
31/152	31152 00101	152 mm	6"	1	439.91

654D

NOU

Carota Bi-metal HSS

• carota bimetal, ideale pentru găurirea materialelor moi care provoaca aschii mari la taiere (lemn, tencuiala...) datorita fantelor mari de curatare care permit si extragerea usoara a miezului.
• dantura HSS.
• dentatia variabila.
• adancime de tăiere 45 mm
• fante mari de degajare.
• 4-6 tpi/mm.







DIAGER

	Ø	LT	LA	Ambalare	
654D20	20	55	45	1	la cerere
654D22	22	55	45	1	la cerere
654D25	25	55	45	1	la cerere
654D32	32	50	45	1	la cerere
654D35	35	50	45	1	192.80
654D40	40	50	45	1	la cerere
654D44	44	50	45	1	201.37
654D51	51	50	45	1	la cerere
654D60	60	50	45	1	la cerere
654D68	68	50	45	1	218.03
654D70	70	50	45	1	la cerere
654D76	76	50	45	1	290.45
654D83	83	50	45	1	la cerere
654D102	102	50	45	1	la cerere
654D127	127	50	45	1	la cerere

32 PVC

Carota speciala pentru tevi PVC 6 TPI

• carote speciale pentru tevi si containere din plastic (PVC, PP, PE)
• dantura cu pas constant 6 TPI si adancime de taiere de 100 mm
• grosimea peretelui subtire de 1 mm pentru taieri rapide
• de asemenea, potrivit pentru lemn / materiale lemnoase



WILPU saw blades

HCS
6 ZpZ • tpi • d/p
Variabel
100 mm

Art.		Dimensiune mm	Dimensiune inch	L	Ambalare	
32/121 PVC	32621 00001	121 mm	4 3/4"	100	1	1111.29
32/127 PVC	32627 00001	127 mm	5"	100	1	1174.87
32/133 PVC	32633 00001	133 mm	5 1/4"	100	1	1232.11
32/138 PVC	32638 00001	138 mm	5 7/16"	100	1	1291.69
32/150 PVC	32650 00001	150 mm	5 29/32"	100	1	1385.82
32/167 PVC	32667 00001	167 mm	6 37/64"	100	1	1499.13
32/171 PVC	32671 00001	171 mm	6 47/64"	100	1	1544.69
32/177 PVC	32677 00001	177 mm	7"	100	1	1589.25
32/186 PVC	32686 00001	186 mm	7 21/64"	100	1	1786.67
32/210 PVC	32710 00001	210 mm	8 1/4"	100	1	1921.02
32/212 PVC	32712 00001	212 mm	8 11/32"	100	1	2064.20
32/226 PVC	32726 00001	226 mm	8 57/64"	100	1	2254.12

31 XL

Carote Bi-Metal 8% Cobalt extralungi pentru ferestre si obloane 10 TPI

• carote speciale WILPU Bi-Metal cu 8% Cobalt 10 TPI pentru gauriri pentru montarea ramelor ferestrelor si obloanelor
• adancime de taiere 100 mm



WILPU saw blades

MADE IN GERMANY

bi 8% COBALT
10 ZpZ • tpi d/p
100 mm

LONG LIFE

Art.		Dimensiune mm	Dimensiune inch	Ambalare	
31/17 XL	31917 00101	17 mm	11/16 inch	1	286.38
31/22 XL	31922 00101	22 mm	7/8 inch	1	301.06
31/25 XL	31925 00101	25 mm	1 inch	1	316.75

EKS

Set de carote pentru instalatori

• dantura variabila de 4/6 si 10 tpi de inalta calitate, bi-metal aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata.
• suportul masiv posterior asigura o taiere neteda si gauri precise pentru prize, filete, cabluri si conducte.
• in special pentru: lemn, placi de ghips, materiale plastice, metale neferoase, otel aluminiu si otel inoxidabil minim 1 mm.



MADE IN GERMANY

bi 8% COBALT
4 - 6 tpi Variabel
38 mm

WILPU saw blades

LONG LIFE

Art.		Componenta	Ambalare	
EKS	30501 00101	19 / 25 mm - 10 tpi 32 / 38 / 44 / 57 / 68 mm - 4/6 tpi; ZE 1 (14-30 mm); ZE 5 (32-210 mm)	1	913.20

EKA-3 EKO

NOU

Set de carote

• dantura variabila de 4/6 si 10 tpi de inalta calitate, bi-metal aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata.
• suportul masiv posterior asigura o taiere neteda si gauri precise pentru prize, filete, cabluri si conducte.
• in special pentru: lemn, placi de ghips, materiale plastice, metale neferoase, otel aluminiu si otel inoxidabil minim 1 mm.



MADE IN GERMANY

bi 8% COBALT
4 - 6 tpi Variabel
38 mm

WILPU saw blades

LONG LIFE

Art.		Componenta	Ambalare	
EKA 3	30550 00101	19 / 22 / 25 mm - 10 tpi; 32 / 35 / 38 / 44 / 57 / 68 / 76 mm - 4/6 tpi; ZE 2 (14-30 mm); ZE 5 (32-210 mm)	1	1131.15

EKE

Set de carote pentru electricieni

• dantura variabila de 4/6 si 10 tpi de inalta calitate, bi-metal aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata.
• suportul masiv posterior asigura o taiere neteda si gauri precise pentru prize, filete, cabluri si conducte.
• in special pentru: lemn, placi de ghips, materiale plastice, metale neferoase, otel aluminiu si otel inoxidabil minim 1 mm.



MADE IN GERMANY
bi 8% COBALT
4 - 6 tpi Variabel
38 mm

WILPU saw blades

Art.		Componenta	Ambalare	
EKE	**30510 00101**	22 mm - 10 tpi;	1	**898.01**
		35 / 51 / 57 / 68 / 76 mm - 4/6 tpi; ZE 1 (14-30 mm); ZE 5 (32-210 mm)		

EKE-8

Set de 8 carote si accesorii

• dantura variabila de 4/6 si 10 tpi de inalta calitate, bi-metal aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata.
• suportul masiv posterior asigura o taiere neteda si gauri precise pentru prize, filete, cabluri si conducte.
• in special pentru: lemn, placi de ghips, materiale plastice, metale neferoase, otel aluminiu si otel inoxidabil minim 1 mm.



MADE IN GERMANY
bi 8% COBALT
4 - 6 tpi Variabel
38 mm

WILPU saw blades

Art.		Componenta	Ambalare	
EKE-8	**30511 00101**	22 - 83 mm - 4/6 tpi;	1	**853.45**
		22 / 32 / 43 / 51 /73 / 83 mm - 4/6 ZpZ;		
		ZE 2 (14-30 mm), ZE 5 (32-250 mm)		

EKAR

Set de carote

• dantura variabila de 4/6 si 10 tpi de inalta calitate, bi-metal aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata.
• suportul masiv posterior asigura o taiere neteda si gauri precise pentru prize, filete, cabluri si conducte.
• in special pentru: lemn, placi de ghips, materiale plastice, metale neferoase, otel aluminiu si otel inoxidabil minim 1 mm.



MADE IN GERMANY
bi 8% COBALT
4 - 6 tpi Variabel
38 mm

WILPU saw blades

Art.		Componenta	Ambalare	
EKAR	**30560 00101**	19 / 22 / 25 mm - tpi;	1	**1394.16**
		32 / 38 / 44 / 57 / 68 / 76 mm - 4/6 tpi; ZE 10 (14-210 mm); 3 x Ø 14-30S mm;		
		6 x Ø 32-210S mm; 1 x B32 - 210L		

EKA-XL

Set de 23 carote si accesorii

• dantura variabila de 4/6 si 10 tpi de inalta calitate, bi-metal aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata.
• suportul masiv posterior asigura o taiere neteda si gauri precise pentru prize, filete, cabluri si conducte.
• in special pentru: lemn, placi de ghips, materiale plastice, metale neferoase, otel aluminiu si otel inoxidabil minim 1 mm.



MADE IN GERMANY
bi 8% COBALT
4 - 6 tpi Variabel
38 mm

WILPU saw blades

Art.		Componenta	Ambalare	
EKA-XL	**30570 00101**	18 - 121 mm - 4/6 tpi;	1	2263.97
		19 / 22 / 25 / 29 / 35 / 38 / 44 / 51 / 57 / 68 / 76 / 83 / 92 / 95 / 105 / 121 mm - 4/6 ZpZ		
		ZE 2 (14-30 mm), ZE 5 (32-250 mm), 5x ZEB 1		

EKS-9

Set de 9 carote si accesorii

• dantura variabila de 4/6 si 10 tpi de inalta calitate, bi-metal aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata.
• suportul masiv posterior asigura o taiere neteda si gauri precise pentru prize, filete, cabluri si conducte.
• in special pentru: lemn, placi de ghips, materiale plastice, metale neferoase, otel aluminiu si otel inoxidabil minim 1 mm.



MADE IN GERMANY
bi 8% COBALT
4 - 6 tpi Variabel
38 mm

WILPU saw blades

Art.		Componenta	Ambalare	
EKS-9	**30502 00101**	17 - 58 mm - 4/6 tpi;	1	**796.38**
		17 / 22 / 25 / 27 / 32 / 44 / 58 mm - 4/6 ZpZ		
		ZE 2 (14-30 mm), ZE 5 (32-250 mm)		

HMS-3

Set carote placate T.C.T. 60 mm

- *pentru taieri rapide si agresive datorita canalelor mari de evacuare*
- *pentru materiale de pana la 60 mm*



Art.		Componenta	Ambalare	
HMS-3	**33630 00001**	15 piese	1	**1817.21**
		Ø 16, 20, 22, 25, 29, 35, 44, 51, 64, 68, 76, 82 mm; ZE2 B, ZE4 B, ZES		

30991 00000

Expozitor carote Bi-metal 8% Cobalt

- *dantura variabila de 4/6 tpi de inalta calitate, bi-metal aliat cu cobalt pentru taieri curate si rapide si o durata lunga de viata.*
- *suportul masiv posterior asigura o taiere neteda si gauri precise pentru prize, filete, cabluri si conducte.*
- *in special pentru: lemn, placi de ghips, materiale plastice, metale neferoase, otel aluminiu si otel inoxidabil minim 1 mm.*



	Dimensiune mm	Dimensiune	Ambalare	
30991 00000	3x Ø 19 mm	4/6 tpi	1	**5206.82**
	3x Ø 22 mm	4/6 tpi	1	
	3x Ø 25 mm	4/6 tpi	1	
	3x Ø 29 mm	4/6 tpi	1	
	3x Ø 38 mm	4/6 tpi	1	
	3x Ø 44 mm	4/6 tpi	1	
	3x Ø 51 mm	4/6 tpi	1	
	3x Ø 57 mm	4/6 tpi	1	
	3x Ø 65 mm	4/6 tpi	1	
	3x Ø 68 mm	4/6 tpi	1	
	3x Ø 76 mm	4/6 tpi	1	
	3x Ø 83 mm	4/6 tpi	1	
	3x Ø 92 mm	4/6 tpi	1	
	3x ZE 2 / 9.5 mm	14 - 30 mm	1	
	3x ZE 4 / 11 mm	14 - 30 mm	1	
	3x ZE 4 A / 9.5 mm	32 - 210 mm	1	

ZE 1

Arbore carote cu tija rotunda 6 mm (14-30 mm)

- *diametru prindere: 6 mm*
- *tija rotunda, 6 mm (pentru carote 14-30 mm) cu burghiu pilot 6,3 mm / 102 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



Art.		Dimensiune mm	Diametru carote	Ambalare	
ZE 1	**30301 00001**	6 mm	14-30 mm	1	**40.72**

ZE 2

Arbore carote cu tija hexagonala 9,5 mm (14-30 mm)

- *coada hexagonala 9,5 mm*
- *tija hexagonala 9,5 mm (pentru carote 14-30 mm) cu burghiu pilot 6,3 mm / 83 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



Art.		Dimensiune mm	Diametru carote	Ambalare	
ZE 2	**30302 00001**	9,5 mm	14-30 mm	1	**69.92**

ZE 3

Arbore carote cu tija hexagonala 11 mm (14-30 mm)

- *coada hexagonala 11 mm*
- *tija hexagonala 11 mm (pentru carote 14-30 mm) cu burghiu pilot 6,3 mm / 83 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



Art.		Dimensiune mm	Diametru carote	Ambalare	
ZE 3	**30303 00001**	11 mm	14-30 mm	1	**82.11**

ZE 4

Arbore carote cu tija hexagonala 11 mm (32-250 mm)

- *coada hexagonala 11 mm*
- *tija hexagonala 11 mm (pentru carote 32-250 mm) cu burghiu pilot 6,3 mm / 83 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



Art.		Dimensiune mm	Diametru carote	Ambalare	
ZE 4	**30304 00001**	11 mm	32-250 mm	1	**105.64**

ZE 4A

Arbore carote cu tija hexagonala 9,5 mm (32-250 mm)

- *coada hexagonala 9,5 mm*
- *tija hexagonala 9,5 mm (pentru carote 32-250 mm) cu burghiu pilot 6,3 mm / 83 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



Art.		Dimensiune mm	Diametru carote	Ambalare	
ZE 4A	**30308 00001**	9,5 mm	32-250 mm	1	**86.28**

ZE 4B

Arbore carote cu tija hexagonala 11 mm (32-250 mm) cu burghiu de centrare de 102 mm

- *coada hexagonala 11 mm*
- *tija hexagonala 11 mm (pentru carote 32-250 mm) cu burghiu pilot 6,3 mm / 102 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		mm	Carote	
ZE 4B	**30312 00001**	11	32-250 mm	**81.61**

ZE 5

Arbore carote cu tija hexagonal 11 mm (32-250 mm), cu eliberare rapida

- *coada hexagonala 11 mm*
- *burghiu de centrare lung 102 mm*
- *pentru carote cu diametre: 32-250 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		mm	Carote	
ZE 5	**30305 00001**	11	32-250 mm	**92.62**

ZE 6

Arbore carote cu tija SDS-plus (14-30 mm)

- *coada: SDS-plus*
- *tija SDS-plus (carote14-30 mm) cu burghiu pilot 6,3 mm / 83 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		tip	Carote	
ZE 6	**30306 00001**	SDS-plus	14-30 mm	**94.12**

ZE 7

Arbore carote cu tija SDS-plus (32-250 mm)

- *coada: SDS-plus*
- *tija SDS-plus (carote 32-250 mm) cu burghiu pilot 6,3 mm / 83 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		tip	Carote	
ZE 7	**30307 00001**	SDS-plus	32-250 mm	**103.30**

ZE 8

Arbore carote cu tija hexagonala 9,5 mm (32-250 mm), cu arc ejector

- *coada hexagonala 9,5 mm*
- *tija hexagonala cu ejectare dop, 9,5 mm (32-250 mm) cu burghiu pilot lungime, 102 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		mm	Carote	
ZE 8	**30310 00001**	9,5	32-250 mm	**204.43**

ZE 9

Arbore carote cu tija hexagonala 11 mm (14-30 mm), cu burghiu de centrare de 180 mm

- *coada hexagonala 11 mm*
- *burghiu de centrare lung 180 mm*
- *pentru carote cu diametre: 14-30 mm*
- *potrivit pentru carote Art. 31XL*



WILPU saw blades

Art.		mm	Carote	
ZE 9	**30309 00001**	11	14-30 mm	**169.39**

1910

Arbori pentru carote

- *executie din otel aliat, tratament termic*
- *prinderea pe filet M14*
- *burghiul de centrare, executie din HSS*



BOHRCRAFT

AS 1 / AS 11 — AS 3 / AS 33 — AS 4 — AS 6

	Tip	Prindere	Carote	Filet	
19100900001	AS 1	SW 11	14-30 mm	1/2"x20	**49.18**
19100900011	AS 11	SW 9,5	14-30 mm	1/2"x20	**42.79**
19100900003	AS 3	SW 11	32-210 mm	5/8"x18	**77.54**
19100900033	AS 33	SW 9,5	32-210 mm	5/8"x18	**75.57**
19100900004	AS 4	SDS-plus	14-30 mm	1/2"x20	**54.43**
19100900006	AS 6	SDS-plus	32-210 mm	5/8"x18	**77.54**

ZEV 11

Prelungitor hexagonal 11 mm pentru carote

- *prelungitor pentru arbori: ZE 3 / ZE 4 / ZE 5*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		mm	
ZEV 11	**30401 00001**	11 mm	**78.94**

ZEB1

Burghiu de centrare 83 mm

- *lungime: 83 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		mm	
ZEB1	**30410 00001**	83	**34.04**

ZEB2

Burghiu de centrare 102 mm

- *lungime: 102 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		mm	
ZEB2	**30411 00001**	102	**36.55**

ZEB3

Burghiu centrare placat T.C.T. 102 mm

- *lungime: 102 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



Art.		Lungime	
ZEB3	30412 00001	102 mm	43.56

ZEB4

Burghiu de centrare 185 mm

- *lungime: 185 mm*
- *potrivit pentru carote Art. 31XL*



Art.		Lungime	
ZEB4	30414 00001	185 mm	46.23

ZEV - 9.5

Adaptor carote

- *coada hexagonala 9.5 mm*
- *potrivit pentru ZE2, ZE4A, ZE8*



Art.		Lungime	
ZEV - 9.5	30402 00001	9.5 mm	78.94

ZE 12

Pilot de ghidare carote cu cap de burghiu

- *dorn de ghidare cu cap de gaurire pentru carote gauri extra-lungi din bi-metal cu adancime de taiere de 300 mm (lungime totala 460 mm)*



Art.		Lungime	
ZE 12	30416 00001	12 mm	642.34

ZEB5

Dorn de ghidare

- *pentru lungime maxima de gaurire: 165 mm*
- *utilizare cu arbore carote hexagonal 11 mm (32-210 mm), extralung cu arc ejector*
- *potrivit pentru carote Art. 33/S*



Art.		Lungime	
ZEB5	30415 00001	max. 165 mm	125.00

ZES

Arc ejector pentru carote

- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



Art.		
ZES	30420 00001	8.84

ZEA

Adaptor pentru arbori carote

- *adaptor pentru arbori: ZE1 / ZE2 / ZE3 / ZE6*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



Art.		
ZEA	30430 00001	15.52

ZEI

Surub cu cap imbus pentru arbori carote

- *potrivit pentru toate modelele de arbori de carote*



Art.		
ZEI	30431 00001	2.00

UL-ZE 1

Arbore cu coada SDS-plus pentru carote T.C.T.

- *coada de prindere SDS-plus*
- *lungime: 118 mm*
- *potrivit pentru carote Art. 33*



Art.		Prindere	Lungime	
UL-ZE 1	33301 00001	SDS-Plus	118 mm	294.55

UL-ZE 2

Arbore cu coada hexagonala pentru carote T.C.T.

- *coada de prindere hexagonala: 11 mm*
- *lungime: 118 mm*
- *potrivit pentru carote Art. 33*



Art.		Prindere	Lungime	
UL-ZE 2	33302 00001	hex. 11 mm	118 mm	298.56

UL-ZEB 1

Burghiu de centrare placat T.C.T.

- *potrivit pentru arborii de carote: UL-ZE 1 si UL-ZE 2*
- *lungime: 120 mm*



Art.		Lungime	
UL-ZEB 1	33401 00001	120 mm	46.39

UL-ZEB 2

Burghiu de centrare HSS

- *potrivit pentru arborii de carote: UL-ZE 1 si UL-ZE 2*
- *lungime: 109 mm*



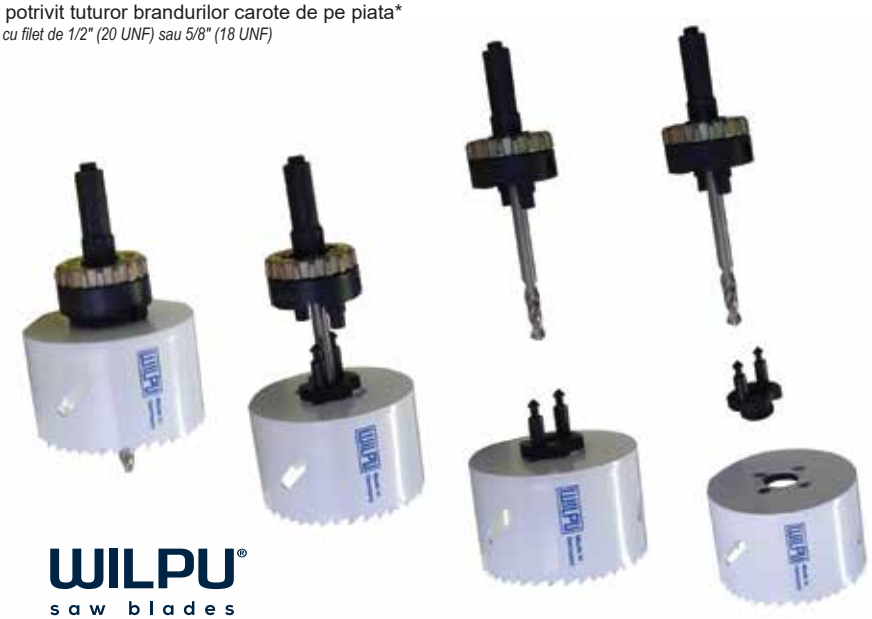
Art.		Lungime	
UL-ZEB 2	33402 00001	109 mm	43.39

>>RE-LOAD<< Sistem cu eliberare rapida pentru carote

Potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S

- schimbare rapida a arborelui intre diferite diametre si diferite tipuri de carote
- un singur arbore pentru toate diametrele cuprinse intre 14 - 210 mm
- concentricitate absoluta si diametru real pentru fiecare dimensiune
- design compact "heavy duty" pentru cele mai inalte exigente si o durata de viata foarte lunga
- nu este nevoie de consumatoare de timp pentru a fixa gaura de pe gaura arborelui
- potrivit tuturor brandurilor carote de pe piata*

** cu filet de 1/2" (20 UNF) sau 5/8" (18 UNF)*





ZE 10

Arbore RE-LOAD® pentru carote

- *coada hexagonala 9,5 mm*
- *pentru carote cu diametrul: 14-210 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		Dimensiune mm	Diametru carote	Ambalare	
ZE 10	30315 00001	9,5 mm	14-210 mm	1	181.57

RL ZEB4

Burghiu de centrare pentru arborele RE-LOAD®

- *material burghiu: HSS*
- *lungime: 100 mm*



WILPU saw blades

Art.		Lungime	Ambalare	
RL ZEB4	30413 00001	100 mm	1	34.88

RL B14-30S

Set adaptoare RE-LOAD® pentru carote

- *se utilizeaza cu arborele pentru carote RE-LOAD®*
- *dimensiuni: 5 x Ø 14-30 mm*
- *pentru carote cu diametrul: 14-30 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		Dimensiuni	Ambalare	
RL B14-30S	30434 00005	5 x Ø 14-30 mm	1	206.10

RL B32-210S

Set adaptoare RE-LOAD® pentru carote

- *se utilizeaza cu arborele pentru carote RE-LOAD®*
- *dimensiuni: 5 x Ø 32-210 mm*
- *pentru carote cu diametrul: 32-210 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		Dimensiuni	Ambalare	
RL B32-210S	30432 00005	5 x Ø 32-210 mm	1	214.28

RLAS 1

Set adaptoare RE-LOAD® pentru carote

- *se utilizeaza cu arborele pentru carote RE-LOAD®*
- *dimensiuni: 2 x Ø14-30 mm; 3 x Ø 32-210 mm*
- *pentru carote cu diametrul: 14-210 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		Dimensiuni	Ambalare	
RLAS 1	30433 00005	2 x Ø14-30 mm; 3 x Ø 32-210 mm	1	211.11

RL B32-210L

Adaptor RE-LOAD® pentru carote 32-210 mm

- *se utilizeaza cu arborele pentru carote RE-LOAD®*
- *pentru carote cu diametrul: 32-210 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		Diametru carote	Ambalare	
RL B32-210L	30435 00001	1 x Ø 32-210 mm	1	46.39

RL B14-210L

Set adaptoare RE-LOAD® pentru carote 14-210 mm

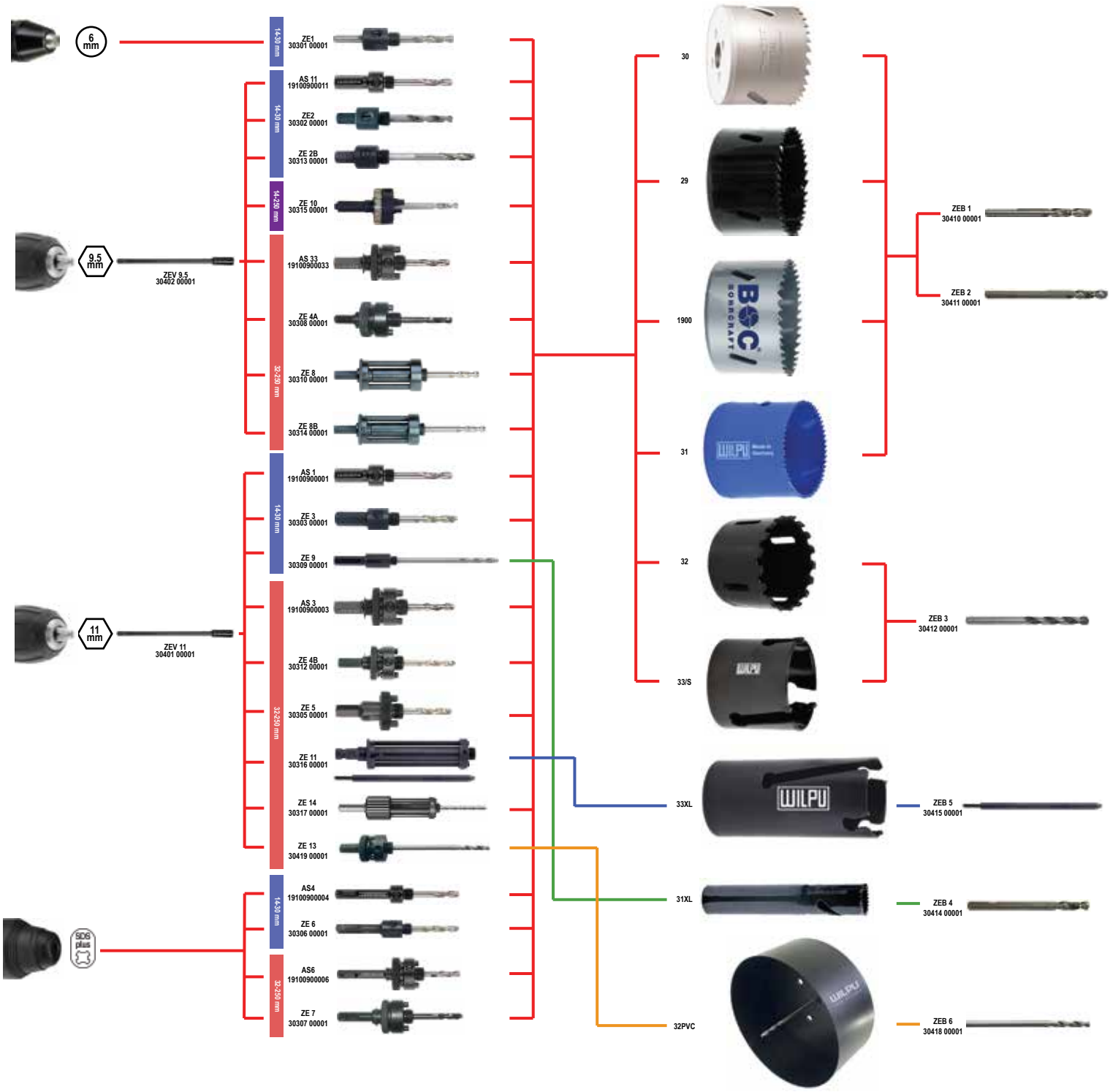
- *se utilizeaza cu arborele pentru carote RE-LOAD®*
- *2 adaptoare pentru carote cu diametrul: 1 x Ø 14-30 mm si 1 x Ø 32-210 mm*
- *potrivit pentru carote Art. 30, Art. 31, Art. 31XL, Art. 32, Art. 33/S*



WILPU saw blades

Art.		Diametru carote	Ambalare	
RL B14-210L	30436 00002	1 x Ø 14-30 mm / 1 x Ø 32-210 mm	1	93.12

Tabel compatibilitate accesorii pentru carote cu filet prindere M14



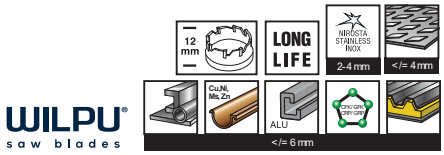
WILPU® saw blades BOC BOHRCRAFT

34

Carote placate T.C.T. 12 mm

• inalta concentricitate si taiere neteda datorita constructiei robuste
• gauri precise si curate
• placute mari de tungsten pentru reascutire si durata de viata lunga
• carota se livreaza cu arbore, burghiu de centrare, arc ejector si cheie imbus
• idela pentru otel, otel turnat, otel inoxidabil (pana la 4 mm), otel nichel-crom (pana la 2 mm), metale neferoase, produse ranforsate cu fibra de sticla sau de carbon (CRP, GRP), epoxidice, materiale de tip sandwich (pana la 6 mm)





WILPU saw blades

Art.		Dimensiune	
34/15,2 F	34015 00001	15,2 mm	249.16
34/16 F	34016 00001	16 mm	249.99
34/18 F	34018 00001	18 mm	249.99
34/18,6 F	34019 00001	18,6 mm	249.99
34/20 F	34020 00001	20 mm	249.99
34/21 F	34021 00001	21 mm	249.99
34/22 F	34022 00001	22 mm	249.99
34/22,5 F	34023 00001	22,5 mm	249.99
34/25 F	34025 00001	25 mm	249.99
34/26 F	34026 00001	26 mm	281.37
34/27 F	34027 00001	27 mm	280.70
34/28,3 F	34028 00001	28,3 mm	281.37
34/30 F	34030 00001	30 mm	281.37
34/32 F	34032 00001	32 mm	299.39
34/35 F	34035 00001	35 mm	299.39
34/37 F	34037 00001	37 mm	343.62
34/40 F	34040 00001	40 mm	343.62
34/45 F	34045 00001	45 mm	374.32
34/47 F	34047 00001	47 mm	470.78
34/50 F	34050 00001	50 mm	470.78
34/51 F	34051 00001	51 mm	479.29
34/54 F	34054 00001	54 mm	479.29
34/55 F	34055 00001	55 mm	479.29
34/60 F	34060 00001	60 mm	658.03
34/65 F	34065 00001	65 mm	658.03
34/68 F	34068 00001	68 mm	709.26
34/70 F	34070 00001	70 mm	748.98
34/75 F	34075 00001	75 mm	804.05
34/80 F	34080 00001	80 mm	804.05
34/85 F	34085 00001	85 mm	901.85
34/90 F	34090 00001	90 mm	990.96
34/95 F	34095 00001	95 mm	1079.08
34/100 F	34100 00001	100 mm	1197.23
HM-ZEB Flach	34410 00001	burghiu centrare	47.40
HM-ZES	34420 00001	arc ejector	4.01

1950

Carota HSS cu prindere Weldon (3/4") lungime 30 mm

• material HSS, tratament termic integral
• recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, sine de cale ferata, piese turnate din otel, metale feroase si neferoase
• se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat



BOC BOHRCRAFT
PROFI by BOHRCRAFT PLUS | HSS | CBN | WELDON

	Ø (mm)	Weldon (mm)	L (mm)	
19500301225	12,0	19	30	220.66
19500301325	13,0	19	30	234.10
19500301425	14,0	19	30	209.18
19500301525	15,0	19	30	244.75
19500301625	16,0	19	30	246.23
19500301725	17,0	19	30	259.67
19500301825	18,0	19	30	249.67
19500301925	19,0	19	30	276.23
19500302025	20,0	19	30	289.67
19500302125	21,0	19	30	306.39
19500302225	22,0	19	30	303.11
19500302325	23,0	19	30	332.13
19500302425	24,0	19	30	345.25
19500302525	25,0	19	30	356.72
19500302625	26,0	19	30	350.98
19500302725	27,0	19	30	378.85
19500302825	28,0	19	30	393.11
19500302925	29,0	19	30	404.43
19500303025	30,0	19	30	412.30
19500303125	31,0	19	30	429.02
19500303225	32,0	19	30	439.18
19500303525	35,0	19	30	600.66
19500304025	40,0	19	30	701.97
19500304525	45,0	19	30	927.05
19500305025	50,0	19	30	1067.38
19500305525	55,0	19	30	1401.48
19500306025	60,0	19	30	1615.57

1950

Carota HSS cu prindere Weldon (3/4") lungime 50 mm

• material HSS, tratament termic integral
• recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, sine de cale ferata, piese turnate din otel, metale feroase si neferoase
• se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat



BOC BOHRCRAFT
PROFI by BOHRCRAFT PLUS | HSS | CBN | WELDON

	Ø (mm)	Weldon (mm)	L (mm)	
19500301250	12,0	19	50	300.98
19500301350	13,0	19	50	306.39
19500301450	14,0	19	50	282.79
19500301550	15,0	19	50	322.95
19500301650	16,0	19	50	345.25
19500301750	17,0	19	50	360.00
19500301850	18,0	19	50	348.69
19500301950	19,0	19	50	411.15
19500302050	20,0	19	50	426.72
19500302150	21,0	19	50	437.87
19500302250	22,0	19	50	440.00
19500302350	23,0	19	50	474.75
19500302450	24,0	19	50	489.02
19500302550	25,0	19	50	501.31
19500302650	26,0	19	50	502.46
19500302750	27,0	19	50	555.74
19500302850	28,0	19	50	568.20
19500302950	29,0	19	50	583.77
19500303050	30,0	19	50	604.75
19500303150	31,0	19	50	635.08
19500303250	32,0	19	50	650.66
19500303550	35,0	19	50	707.54
19500304050	40,0	19	50	827.87
19500304550	45,0	19	50	1006.23
19500305050	50,0	19	50	1178.52
19500305550	55,0	19	50	1615.57
19500306050	60,0	19	50	1860.66

1950

Carota HSS cu prindere Weldon (3/4") lungime 110 mm

• material HSS, tratament termic integral
• recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, sine de cale ferata, inclusiv otel inoxidabil V2A si V4A, , piese turnate din otel, metale feroase si neferoase
• se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat



WELDON | EXTRA LANGE EXTRA LONG Version 110 mm

BOC BOHRCRAFT
PROFI by BOHRCRAFT PLUS | HSS | CBN

	Ø (mm)	Weldon (mm)	L (mm)	
19500302011	20,0	19	110	768.85
19500302111	21,0	19	110	822.30
19500302211	22,0	19	110	952.62
19500302311	23,0	19	110	958.20
19500302411	24,0	19	110	991.48
19500302511	25,0	19	110	1069.67
19500302611	26,0	19	110	1111.80
19500302711	27,0	19	110	1203.28
19500302811	28,0	19	110	1334.59
19500302911	29,0	19	110	1392.62
19500303011	30,0	19	110	1437.38
19500303111	31,0	19	110	1459.67
19500303211	32,0	19	110	1481.80



1952

Carota placata HM cu prindere Weldon (3/4") lungime 35 mm

- *carota placata HM cu prindere Weldon (3/4") lungime 35 mm*
- *material corp carota – otel aliat, cu placute din carbura metalica HM*
- *recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, sine de cale ferata, inclusiv otel inoxidabil V2A si V4A, , piese turnate din otel, metale feroase si neferoase*
- *se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat*



BOHRCRAFT PROFI by BOHRCRAFT PLUS | HM TCT | WELDON | KURZE SHORT Version 35 mm

	Ø (mm)	Weldon (mm)	L (mm)	
19520301435	14,0	19	35	539.34
19520301535	15,0	19	35	539.34
19520301635	16,0	19	35	541.80
19520301735	17,0	19	35	544.92
19520301835	18,0	19	35	546.23
19520301935	19,0	19	35	547.21
19520302035	20,0	19	35	547.21
19520302135	21,0	19	35	553.61
19520302235	22,0	19	35	553.61
19520302335	23,0	19	35	554.92
19520302435	24,0	19	35	559.18
19520302535	25,0	19	35	561.31
19520302635	26,0	19	35	576.89
19520302735	27,0	19	35	576.89
19520302835	28,0	19	35	579.67
19520302935	29,0	19	35	580.33
19520303135	30,0	19	35	685.08
19520303235	31,0	19	35	688.36
19520303035	32,0	19	35	582.95
19520303535	35,0	19	35	696.07
19520304035	40,0	19	35	794.59
19520304535	45,0	19	35	961.48
19520305035	50,0	19	35	1078.52
19520305535	55,0	19	35	1321.64
19520306035	60,0	19	35	1470.98

1952

Carota placata HM cu prindere Weldon (3/4") lungime 55 mm

- *carota placata HM cu prindere Weldon (3/4") lungime 55 mm*
- *material corp carota – otel aliat, cu placute din carbura metalica HM*
- *recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, sine de cale ferata, inclusiv otel inoxidabil V2A si V4A, , piese turnate din otel, metale feroase si neferoase*
- *se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat*



BOHRCRAFT PROFI by BOHRCRAFT PLUS | HM TCT | WELDON | LANGE LONG Version 50 mm

	Ø (mm)	Weldon (mm)	L (mm)	
19520301455	14,0	19	55	606.07
19520301555	15,0	19	55	606.07
19520301655	16,0	19	55	608.20
19520301755	17,0	19	55	611.80
19520301855	18,0	19	55	612.79
19520301955	19,0	19	55	614.10
19520302055	20,0	19	55	614.10
19520302155	21,0	19	55	620.49
19520302255	22,0	19	55	620.49
19520302355	23,0	19	55	621.64
19520302455	24,0	19	55	626.39
19520302550	25,0	19	55	628.52
19520302655	26,0	19	55	643.77
19520302755	27,0	19	55	643.77
19520302855	28,0	19	55	665.25
19520302955	29,0	19	55	665.25
19520303055	30,0	19	55	668.52
19520303155	31,0	19	55	817.70
19520303255	32,0	19	55	822.30
19520303555	35,0	19	55	833.44
19520304055	40,0	19	55	940.33
19520304555	45,0	19	55	1086.39
19520305055	50,0	19	55	1176.39
19520305555	55,0	19	55	1411.64
19520306055	60,0	19	55	1623.44

1952

Carota placata HM cu prindere Weldon (3/4") lungime 110 mm

- *carota placata HM cu prindere Weldon (3/4") lungime 110 mm*
- *material corp carota - otel aliat, cu placute din carbura metalica HM*
- *recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, sine de cale ferata, inclusiv otel inoxidabil V2A si V4A, , piese turnate din otel, metale feroase si neferoase*
- *se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat*



BOHRCRAFT PROFI by BOHRCRAFT PLUS | HM TCT | WELDON | EXTRA LANGE EXTRA LONG Version 110 mm

	Ø (mm)	Weldon (mm)	L (mm)	
19520302011	20,0	19	110	1048.20
19520302111	21,0	19	110	1048.20
19520302211	22,0	19	110	1048.20
19520302311	23,0	19	110	1048.20
19520302411	24,0	19	110	1048.20
19520302511	25,0	19	110	1048.20
19520302611	26,0	19	110	1146.89
19520302711	27,0	19	110	1146.89
19520302811	28,0	19	110	1146.89
19520302911	29,0	19	110	1146.89
19520303011	30,0	19	110	1146.89
19520303111	31,0	19	110	1396.72
19520303211	32,0	19	110	1396.72

1957

Adaptor Weldon 3/4"

- *executie din otel aliat de scule,*
- *tratat termic integral, suparafete rectificate*



BOHRCRAFT PROFI by BOHRCRAFT PLUS

	DENUMIRE	CAROTA	
19570300001	Adaptor Weldon 3/4"	Fein M18x6 P1,5	608.52
19570300002	Adaptor Weldon 3/4"	Quick-IN	608.52
19570300003	Adaptor Quick-IN	Weldon 3/4"	608.52

1951

Carota HSS (Co8%) cu prindere Weldon (3/4") lungime 30 mm

- *carota HSS-EE (Co8%) cu prindere Weldon (3/4") lungime 30 mm*
- *material HSS-EE (Co8%), tratament termic integral,*
- *faciliteaza aschierea cu viteze mari*
- *recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, otel inoxidabil (V2A si V4A), piese turnate din otel, metale neferoase*
- *se utilizeaza pe toete tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat*



BOHRCRAFT PROFI by BOHRCRAFT PLUS | HSS-E Co8 | CBN | WELDON | KURZ SHORT Version 30 mm

	Ø (mm)	Weldon (mm)	L (mm)	
19510301225	12,0	19	30	304.26
19510301325	13,0	19	30	317.38
19510301425	14,0	19	30	300.98
19510301525	15,0	19	30	345.25
19510301625	16,0	19	30	350.98
19510301725	17,0	19	30	364.43
19510301825	18,0	19	30	344.26
19510301925	19,0	19	30	384.43
19510302025	20,0	19	30	407.87
19510302125	21,0	19	30	430.00
19510302225	22,0	19	30	423.44
19510302325	23,0	19	30	463.77
19510302425	24,0	19	30	476.89
19510302525	25,0	19	30	511.48
19510302625	26,0	19	30	500.33
19510302725	27,0	19	30	540.33
19510302825	28,0	19	30	557.05
19510302925	29,0	19	30	570.33
19510303025	30,0	19	30	612.79
19510303125	31,0	19	30	630.49
19510303225	32,0	19	30	643.77
19510303525	35,0	19	30	866.72
19510304025	40,0	19	30	1006.23
19510304525	45,0	19	30	1245.57
19510305025	50,0	19	30	1425.08
19510305525	55,0	19	30	1861.64
19510306025	60,0	19	30	2116.72

1956

Adaptor Con Morse - Weldon 3/4" cu sistem intern de lubrifiere

- *executie din otel aliat de scule,*
- *tratat termic integral, suprafete rectificate*
- *cu sistem intern de lubrefiere / racire*



BOHRCRAFT PROFI by BOHRCRAFT PLUS

	Con Morse	Weldon(mm)	
19560300219	MK 2	19	1526.72
19560300319	MK 3	19	1548.69

1951

Carota HSS (Co8%) cu prindere Weldon (3/4") lungime 50 mm

- *carota HSS-EE (Co8%) cu prindere Weldon (3/4") lungime 50 mm*
- *carota cu prindere Weldon (3/4") lungime 110 mm*
- *material HSS-EE (Co8%), tratament termic integral,*
- *faciliteaza aschierea cu viteze mari*
- *recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, otel inoxidabil (V2A si V4A), piese turnate din otel, metale neferoase*
- *se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat*



BOC BOHRCRAFT

PROFI by BOHRCRAFT PLUS | HSS-E Co8 | CBN | WELDON | LANGE LONG Version 50 mm

	Ø (mm)	Weldon (mm)	L (mm)	
19510301250	12,0	19	50	345.25
19510301350	13,0	19	50	364.43
19510301450	14,0	19	50	400.00
19510301550	15,0	19	50	443.61
19510301650	16,0	19	50	489.02
19510301750	17,0	19	50	501.31
19510301850	18,0	19	50	490.33
19510301951	19,0	19	50	560.49
19510302050	20,0	19	50	592.79
19510302150	21,0	19	50	607.21
19510302250	22,0	19	50	606.07
19510302350	23,0	19	50	649.51
19510302450	24,0	19	50	678.36
19510302550	25,0	19	50	709.51
19510302650	26,0	19	50	710.82
19510302750	27,0	19	50	773.11
19510302850	28,0	19	50	795.57
19510302950	29,0	19	50	817.70
19510303050	30,0	19	50	866.72
19510303150	31,0	19	50	898.03
19510303250	32,0	19	50	913.61
19510303550	35,0	19	50	1019.51
19510304050	40,0	19	50	1222.13
19510304550	45,0	19	50	1515.08
19510305050	50,0	19	50	1893.93
19510305550	55,0	19	50	2161.64
19510306050	60,0	19	50	2451.31

1955

Pin pentru carote HSS

- *executie din otel aliat de scule,*
- *tratat termic integral, suprafete rectificate*



BOC BOHRCRAFT

PROFI by BOHRCRAFT PLUS

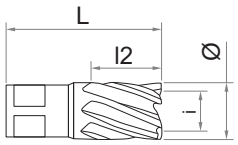
	L (mm)	Carote (mm)	
19550300025	30	12,0-60,0	65.90
19550300050	50	12,0-60,0	72.46
19550300110	110	12,0-60,0	266.07

1037001

Carota HSS-TiAlN cu prindere Weldon (3/4") lungime 30 mm

- *carota HSS-TiAlN cu prindere Weldon (3/4") lungime 30 mm*
- *material HSS, tratament termic integral, acoperire TiAlN*
- *faciliteaza aschierea cu viteze mari*
- *recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat cu σr ≤ 950 N/mm², otel inoxidabil (V2A si V4A), piese turnate din otel, fonte si metale neferoase*
- *se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat*





TIVOLY

HSS | TiAlN COATED | TIVOLY NORM | Z 4-14 | WELDON 19mm

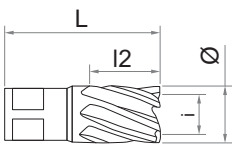
	Ø (mm)	Weldon (mm)	L (mm)	
10370011200	12.0	19	30	257.91
10370011300	13.0	19	30	261.75
10370011400	14.0	19	30	264.80
10370011500	15.0	19	30	265.94
10370011600	16.0	19	30	266.46
10370011700	17.0	19	30	285.51
10370011800	18.0	19	30	287.57
10370011900	19.0	19	30	282.30
10370012000	20.0	19	30	304.44
10370012100	21.0	19	30	313.45
10370012200	22.0	19	30	326.42
10370012300	23.0	19	30	338.01
10370012400	24.0	19	30	349.54
10370012500	25.0	19	30	361.02
10370012600	26.0	19	30	371.29
10370012700	27.0	19	30	399.06
10370012800	28.0	19	30	415.12
10370012900	29.0	19	30	429.87
10370013000	30.0	19	30	440.71
10370013100	31.0	19	30	480.07
10370013200	32.0	19	30	477.32
10370013300	33.0	19	30	524.77
10370013400	34.0	19	30	537.91
10370013500	35.0	19	30	591.84
10370013600	36.0	19	30	606.53
10370013700	37.0	19	30	640.90
10370013800	38.0	19	30	649.22
10370013900	39.0	19	30	673.38
10370014000	40.0	19	30	689.90
10370014100	41.0	19	30	717.33
10370014200	42.0	19	30	755.60
10370014300	43.0	19	30	771.61
10370014400	44.0	19	30	826.00
10370014500	45.0	19	30	852.39
10370014600	46.0	19	30	869.78
10370014700	47.0	19	30	898.30
10370014800	48.0	19	30	940.30
10370014900	49.0	19	30	954.07
10370015000	50.0	19	30	977.76

1037011

Carota HSS-TiAlN cu prindere Weldon (3/4") lungime 50 mm

- *carota HSS-TiAlN cu prindere Weldon (3/4") lungime 50 mm*
- *material HSS, tratament termic integral, acoperire TiAlN*
- *faciliteaza aschierea cu viteze mari*
- *recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat cu σr ≤ 950 N/mm², otel inoxidabil (V2A si V4A), piese turnate din otel, fonte si metale neferoase*
- *se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat*





TIVOLY

HSS | TiAlN COATED | TIVOLY NORM | Z 4-14 | WELDON 19mm

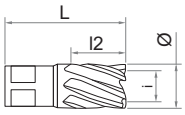
	Ø (mm)	Weldon (mm)	L (mm)	
10370111200	12.0	19	50	381.67
10370111300	13.0	19	50	383.45
10370111400	14.0	19	50	385.46
10370111500	15.0	19	50	387.64
10370111600	16.0	19	50	391.14
10370111700	17.0	19	50	393.72
10370111800	18.0	19	50	395.39
10370111900	19.0	19	50	399.75
10370112000	20.0	19	50	418.05
10370112100	21.0	19	50	428.61
10370112200	22.0	19	50	442.38
10370112300	23.0	19	50	471.18
10370112400	24.0	19	50	485.30
10370112500	25.0	19	50	487.76
10370112600	26.0	19	50	510.08
10370112700	27.0	19	50	544.62
10370112800	28.0	19	50	567.92
10370112900	29.0	19	50	591.39
10370113000	30.0	19	50	616.29
10370113100	31.0	19	50	645.89
10370113200	32.0	19	50	675.04
10370113300	33.0	19	50	707.23
10370113400	34.0	19	50	733.68
10370113500	35.0	19	50	764.03
10370113600	36.0	19	50	798.00
10370113700	37.0	19	50	811.20
10370113800	38.0	19	50	840.75
10370113900	39.0	19	50	900.36
10370114000	40.0	19	50	925.09
10370114100	41.0	19	50	934.79
10370114200	42.0	19	50	1027.62
10370114300	43.0	19	50	1058.43
10370114400	44.0	19	50	1086.95
10370114500	45.0	19	50	1097.97
10370114600	46.0	19	50	1177.09
10370114700	47.0	19	50	1196.77
10370114800	48.0	19	50	1234.52
10370114900	49.0	19	50	1246.69
10370115000	50.0	19	50	1253.17

1037051

Carota HSS cu prindere Weldon (3/4") lungime 30 mm

- *carota HSS cu prindere Weldon (3/4") lungime 30 mm*
- *material HSS, tratament termic integral*
- *faciliteaza aschierea cu viteze mari*
- *recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, piese turnate din otel cu σr ≤ 700 N/mm², metale neferoase si materiale compozite plastice*
- *se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat*





TIVOLY

HSS | BRIGHT UNCOATED | TIVOLY NORM | Z 4-14 | WELDON 19mm

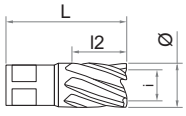
	Ø (mm)	Weldon (mm)	L (mm)	
10370511200	12.0	19	30	135.34
10370511300	13.0	19	30	137.29
10370511400	14.0	19	30	138.96
10370511500	15.0	19	30	139.49
10370511600	16.0	19	30	139.70
10370511700	17.0	19	30	149.88
10370511800	18.0	19	30	150.82
10370511900	19.0	19	30	148.14
10370512000	20.0	19	30	159.79
10370512100	21.0	19	30	164.51
10370512200	22.0	19	30	171.28
10370512300	23.0	19	30	177.47
10370512400	24.0	19	30	183.50
10370512500	25.0	19	30	189.48
10370512600	26.0	19	30	194.73
10370512700	27.0	19	30	209.42
10370512800	28.0	19	30	217.70
10370513000	30.0	19	30	231.19
10370513200	32.0	19	30	250.39
10370513500	35.0	19	30	310.45
10370513800	38.0	19	30	340.67
10370514000	40.0	19	30	361.86
10370514200	42.0	19	30	396.38
10370514500	45.0	19	30	447.16
10370514800	48.0	19	30	493.32
10370515000	50.0	19	30	513.00

1037061

Carota HSS cu prindere Weldon (3/4") lungime 50 mm

- *carota HSS cu prindere Weldon (3/4") lungime 50 mm*
- *material HSS, tratament termic integral*
- *faciliteaza aschierea cu viteze mari*
- *recomandate pentru otel (table cu grosimi mari), profile sau tevi din otel ne aliat si aliat, piese turnate din otel cu σr ≤ 700 N/mm², metale neferoase si materiale compozite plastice*
- *se utilizeaza pe toate tipurile de masini de gaurit cu talpa magnetica cu prindere pe con cu adaptor WELDON, precum si pe masini stationare de frezat*





TIVOLY

HSS | BRIGHT UNCOATED | TIVOLY NORM | Z 4-14 | WELDON 19mm

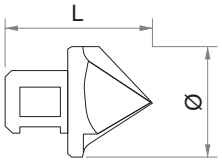
	Ø (mm)	Weldon (mm)	L (mm)	
10370611200	12.0	19	50	200.24
10370611300	13.0	19	50	201.02
10370611400	14.0	19	50	202.33
10370611500	15.0	19	50	203.28
10370611600	16.0	19	50	205.27
10370611700	17.0	19	50	206.58
10370611800	18.0	19	50	207.42
10370611900	19.0	19	50	209.84
10370612000	20.0	19	50	219.38
10370612100	21.0	19	50	224.94
10370612200	22.0	19	50	232.18
10370612300	23.0	19	50	247.19
10370612400	24.0	19	50	254.58
10370612500	25.0	19	50	255.95
10370612600	26.0	19	50	267.65
10370612700	27.0	19	50	285.69
10370612800	28.0	19	50	298.02
10370613000	30.0	19	50	323.30
10370613200	32.0	19	50	354.15
10370613500	35.0	19	50	400.89
10370613800	38.0	19	50	441.13
10370614000	40.0	19	50	485.51
10370614200	42.0	19	50	539.28
10370614500	45.0	19	50	576.05
10370614800	48.0	19	50	647.76
10370615000	50.0	19	50	657.31

1037031

Tesitor cu 3 muchii 90º HSS, prindere Weldon 19 mm

- *material: HSS, tratat termic*
- *unghi la varf: 90º*
- *coada Weldon 19 mm*
- *pentru oteluri ne aliate si slab aliate, oteluri pentru tratament termic cu σr ≤ 700 N / mm² , fonte si materiale plastice compozite*





TIVOLY

HSS | BRIGHT UNCOATED | TIVOLY NORM | 90° | Z3 | WELDON 19mm

	Ø (mm)	L (mm)	
10370312500	25	43	785.72
10370313000	30	47	873.57
10370314000	40	52	1037.61
10370315500	55	63	1553.08

Turatie recomandata la gaurirea cu carote / rpm

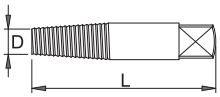
Diametru						
mm Ø	**inch Ø**	**otel**	**otel inoxidabil**	**fonta**	**alama**	**aluminiu**
14 mm	9/16 inch	580	300	400	790	900
16 mm	5/8 inch	550	275	365	730	825
17 mm	11/16 inch	500	250	330	665	750
19 mm	3/4 inch	460	230	300	600	690
20 mm	25/32 inch	440	220	290	580	670
21 mm	13/16 inch	425	210	280	560	630
22 mm	7/8 inch	390	195	260	520	585
23 mm	8/9 inch	390	195	260	520	570
24 mm	15/16 inch	370	185	245	495	555
25 mm	1 inch	350	175	235	470	525
27 mm	1 1/16 inch	325	160	215	435	480
29 mm	1 1/8 inch	300	150	200	400	450
30 mm	1 3/16 inch	285	145	190	380	425
32 mm	1 1/4 inch	275	140	180	360	410
33 mm	1 5/16 inch	268	135	175	345	390
35 mm	1 3/8 inch	250	125	165	330	375
37 mm	1 7/16 inch	240	120	160	315	360
38 mm	1 1/2 inch	240	120	160	315	360
40 mm	1 9/16 inch	220	110	145	290	330
41 mm	1 5/8 inch	210	105	140	280	315
43 mm	1 11/16 inch	205	100	135	270	305
44 mm	1 3/4 inch	195	95	130	250	295
46 mm	1 13/16 inch	190	95	125	250	285
48 mm	1 7/8 inch	180	90	120	240	270
51 mm	2 inch	170	85	115	230	255
52 mm	2 1/16 inch	165	80	110	220	245
54 mm	2 1/8 inch	160	80	105	210	240
57 mm	2 1/4 inch	150	75	100	200	225
58 mm	2 7/25 inch	145	75	100	195	225
59 mm	2 5/16 inch	145	75	100	195	225
60 mm	2 3/8 inch	140	70	95	190	220
64 mm	2 1/2 inch	135	65	90	180	205
65 mm	2 9/16 inch	130	65	85	175	200
67 mm	2 5/8 inch	130	65	85	170	195
68 mm	2 11/16 inch	130	65	85	170	195
70 mm	2 3/4 inch	125	60	80	160	185
73 mm	2 7/8 inch	120	60	80	160	180
76 mm	3 inch	115	55	75	150	170
79 mm	3 1/8 inch	110	55	70	140	165
83 mm	3 1/4 inch	105	50	70	140	155
86 mm	3 3/8 inch	100	50	65	130	150
89 mm	3 1/2 inch	95	45	65	130	145
92 mm	3 5/8 inch	95	45	60	120	140
95 mm	3 3/4 inch	90	45	60	120	135
98 mm	3 7/8 inch	90	45	60	120	135
102 mm	4 inch	85	40	55	110	130
105 mm	4 1/8 inch	80	40	55	110	120
108 mm	4 1/4 inch	80	40	55	110	120
111 mm	4 3/8 inch	80	40	50	100	120
114 mm	4 1/2 inch	75	35	50	100	105
121 mm	4 3/4 inch	70	35	45	90	95
127 mm	5 inch	65	30	40	85	90
133 mm	5 1/4 inch	65	30	40	85	90
140 mm	5 1/2 inch	65	30	35	80	85
146 mm	5 3/4 inch	60	30	35	80	85
152 mm	6 inch	55	25	35	75	85
160 mm	6 1/3 inch	55	25	35	75	85
168 mm	6 2/3 inch	55	25	35	75	85
177 mm	7 inch	50	20	30	70	80
200 mm	7 7/8 inch	50	20	30	70	80
210 mm	8 1/4 inch	45	20	30	70	80

778/4

Extractor de suruburi

- *pentru desurubarea suruburilor ruginite si bolturilor filetate fara a afecta filetele*
- *material:crome vanadium*
- *tratate complet*
- *brunat*





UNIOR

	№	D	■	L		mm				
616812	1	1.75	3.6	50	M3 - M6	2.5	9	1E	10	**16.89**
616813	2	2.2	5.0	57	M6 - M8	3.0	13	1E	10	**16.89**
616814	3	3.3	6.5	64	M8 - M11	4.5	19	1E	10	**19.18**
616815	4	4.75	8.8	71	M11 - M14	6.0	33	1E	10	**23.11**
616816	5	6.35	11.0	78	M14 - M18	8.0	53	1E	10	**29.02**
616817	6	9.50	15.0	85	M18 - M24	11	102	1E	10	**40.98**

778/4PB

Set extractor de suruburi



	D	■	L		mm
1	1.75	3.6	50	M3 - M6	2.0–3.5
2	2.2	5.0	57	M6 - M8	3.0–4.5
3	3.3	6.5	64	M8 - M11	4.0–6.0
4	4.75	8.8	71	M11 - M14	6.0–8.5
5	6.35	11.0	78	M14 - M18	7.0–11.0
6	9.50	15.0	85	M18 - M24	11.0–14.5

UNIOR

616821	1 - 6 / 6	225	1E	1	**164.75**

778/4 (1, 2, 3, 4, 5, 6)

778/4PB

Set extractor de suruburi



	D	■	L		mm
1	1.75	3.6	50	M3 - M6	2.0–3.5
2	2.2	5.0	57	M6 - M8	3.0–4.5
3	3.3	6.5	64	M8 - M11	4.0–6.0
4	4.75	8.8	71	M11 - M14	6.0–8.5
5	6.35	11.0	78	M14 - M18	7.0–11.0

UNIOR

616820	1 - 5 / 5	120	1E	1	**120.82**

778/4 (1, 2, 3, 4, 5)

778/4PB

Set extractor de suruburi



	D	■	L		mm
1	1.75	3.6	50	M3 - M6	2.0–3.5
2	2.2	5.0	57	M6 - M8	3.0–4.5
3	3.3	6.5	64	M8 - M11	4.0–6.0
4	4.75	8.8	71	M11 - M14	6.0–8.5
5	6.35	11.0	78	M14 - M18	7.0–11.0
6	9.50	15.0	85	M18 - M24	11.0–14.5
7	12.70	19.0	92	M24 - M33	14.5–19.0
8	17.50	24.0	100	M33 - M45	20.0–23.5

UNIOR

616822	1 - 8 / 8	720	1E	1	**397.05**

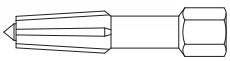
778/4 (1, 2, 3, 4, 5, 6, 7, 8)

778/4APB

Set extractor dublu ascutit de suruburi

- *pentru desurubarea suruburilor ruginite si bolturilor filetate fara a afecta filetele*
- *aplicabil pentru filete dreapta si stanga*
- *extractorul este antrenat in alezaj pentru o ferma si sigura gaurire*
- *cu varf de centrare*
- *rara alunecare si dubla ascutire pentru extragerea surubului sau boltului.*
- *material:crome vanadium*
- *tratate complet*
- *brunat*
- *partile taietoare polizate*















UNIOR

616830	1 - 5 / 5	245	1E	1	**380.16**

778/4A (1, 2, 3, 4, 5)

U5050153

Set extractoare suruburi rupte Gr. 1-5 / 5 piese

- *pentru desurubarea suruburilor ruginite si bolturilor filetate fara a afecta filetele*
- *material: crom vanadiu*
- *tratate complet*
- *brunat*



U5050153	1-5 / 5 piese Gr. 1 / Gr. 2 / Gr. 3 / Gr. 4 / Gr. 5	69.75

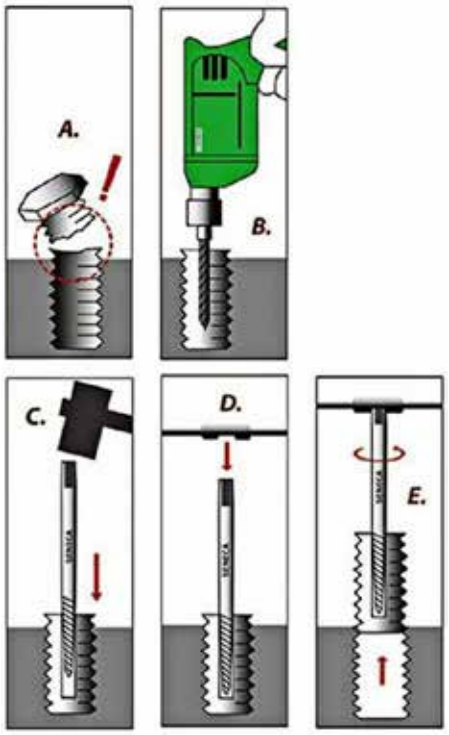
SE 5

Set extractoare suruburi rupte

- *pentru desurubarea suruburilor ruginite si bolturilor filetate fara a afecta filetele*
- *material: crom vanadiu*
- *tratate complet*
- *brunat*



97001430005	1 - 6 / 6 piese Gr. 1 / Gr. 2 / Gr. 3 / Gr. 4 / Gr. 5	46.39
97001430006	1 - 6 / 6 piese Gr. 1 / Gr. 2 / Gr. 3 / Gr. 4 / Gr. 5 / Gr. 6	73.11



17040/ENC

Set 4 extractoare suruburi rupte BOLT EXTRACTORS

- *pentru desurubarea suruburilor ruginite si bolturilor filetate fara a afecta filetele*
- *material: crom vanadiu*
- *extrag suruburi usor, rapid si sigur*



17040/ENC	4 piese 1/4" - 1/2"	287.53

17030/ENC

Set 4 extractoare suruburi rupte MICRO SCREW AND BOLT EXTRACTOR

- *pentru desurubarea suruburilor ruginite si bolturilor filetate fara a afecta filetele*
- *material: crom vanadiu*
- *adecvati pentru echipamente electronice de precizie si pentru industria medicala*



17030/ENC	4 piese # 0 - 10; Nr. 5-10, 1/4"	212.30



019035

Set extractoare suruburi rupte

- *pentru desurubarea suruburilor ruginite si bolturilor filetate fara a afecta filetele*
- *material: crom vanadiu*



019035	4 piese #1 / #2 / #3 / #4	263.60

17001/ENC

Set 2 extractoare suruburi rupte THE ORIGINAL SCREWAND BOLT EXTRACTORS

- *pentru desurubarea suruburilor ruginite si bolturilor filetate fara a afecta filetele*
- *material: crom vanadiu*
- *adecvati pentru uz casnic*





17001/ENC	2 piese # 4 - 14 / Nr. 10 / 1/4"-3/8"	67.28



019034

Set extractoare suruburi rupte

• pentru desurubarea suruburilor ruginite si bolturilor filetate fara a afecta filetele
• material: crom vanadiu



ASW

019034	2 piese #1 / #2	194.84



Mini X Out Extractors

Set 2 extractoare suruburi rupte Mini X Out

• va elimina suruburile rupte, deteriorate sau incorporate in metal, lemn si ceramica
• fabricat din otel calit de inalta calitate, extractorul cu surub Boa se potriveste tuturor burghielor standard cu viteză variabila
• X-Out #2 dimensiune holsurub: # 6 - 7
• X-Out #3 dimensiune holsurub: # 8 - 10



boa

Patented
Winner
Guarantee

17020/ENC	2 piese # 6 - 7 / # 8 - 10	51.80



11901170052

Set 10 burghie si extractoare pentru suruburi ruplte

• set extractoare si burghie, pentru extragerea suruburilor sparte de la M3 la M18
• 5 burghie din otel de inalta performanta Techinc / 5 extractoare de suruburi
• dimensiuni: 165 x 100 x 15 mm
• greutate: 300 g

Instructiuni:
1) Gauriti vertical secsiunea deteriorata a surubului
2) Cuplati extractorul adecvat si rotiti-l incet in directia desurubare pana cand extragerea este completa

Ø Surub	Ø Burghiu	Nr. extractor
M 3 - M 6	2.5 mm	Nr. 1
M 6 - M 8	3.2 mm	Nr. 2
M 8 - M 11	4.8 mm	Nr. 3
M 11 - M 14	6.5 mm	Nr. 4
M 14 - M 18	8.0 mm	Nr. 5



TiN COATED

HEXA 6,35 mm





TIVOLY







11901170052	10 piese	300	173.44

Nr. 1 Ø 2.5 mm + Nr. 2 Ø 3.2 mm + Nr. 3 Ø 4.8 mm + Nr. 4 Ø 6.5 mm + Nr. 5 Ø 8 mm
cutie CLIPSTER

11521470002

Set capete extractoare suruburi rupte 10 piese

• inlaturarea cu usurinta piulitele, suruburile si bolturile hexagonale de la 10 la 19 mm
• capete 10, 11, 13, 14, 16, 17, 19 mm
• adaptor 1/2"-3/8"
• prelungitor HEX 6.35 mm - patrat 3/8"









TIVOLY

11521470002	10-19 / 10 piese capete 10, 11, 13, 14, 16, 17, 19 mm adaptor 1/2"-3/8" prelungitor HEX 6.35 mm - patrat 3/8"	402.96

Extractoare suruburi rupte TiN PVD

*• **acoperire TiN***
• nitrura de titan pentru a asigura:
- durata de viata mai lunga
- o protectie sporita la uzura
- că suprafata este cu aproximativ 50% mai dura decat cea a bitilor prevazuti cu acoperire normala
*• **acoperire PVD***
• semi-acoperirea este caracteristica specifica a acoperirii PVD. Aceasta acoperire se aplică la aproximativ 250°C.
- duritatea stratului de acoperire aprox. 90 HRc
- valori crescute ale cuplului
- protectie ridicata la uzura
- cuplu perfect



cobit tool technology

	Dimensiune	L	Ø coada	
02447	#1 6-8 mm	50	4,76	25.82
02448	#2 8-10 mm	50	7,00	28.98
02449	#3 10-14 mm	50	8,00	32.70

17016

Set 6 extractoare suruburi rupte

- *elimina rapid si in siguranta toate tipurile de suruburi*
- *ideal pentru: inginerie, automobile, marina, aerospatial*
- *componenta set 6 piese BR6:*
- *1: 3-6mm 3/32"- 1/4"*
- *2: 6-8mm 1/4" - 5/16"*
- *3: 8-12mm 5/16" - 1/2"*
- *4: 12-18mm 1/2" - 3/4"*
- *5: 18-22mm 3/4" - 7/8"*
- *6: 22-25mm 7/8" - 1"*



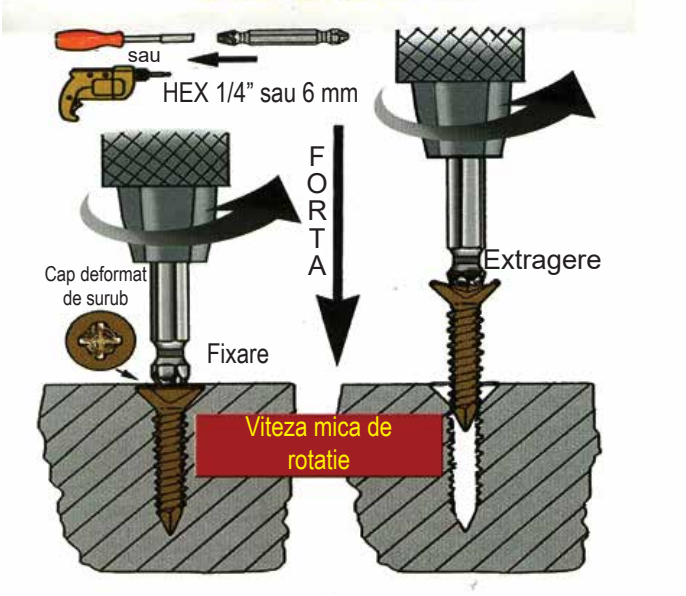
boa

Patented Winner Guarantee

17016/ENC	6 piese	95x82x23	284	**70.49**

1: 3-6 mm (3/32"-1/4") / 2: 6-8 mm (1/4"-5/16") / 3: 8-12 mm (5/16"-1/2") / 4: 12-18 mm (1/2"-3/4") / 5: 18-22 mm (3/4"-7/8") / 6: 22-25 mm (7/8"-1")

PROFILE SURUBURI



1. Se executa o gaura in capul uzat al surubului
2. Cu celalalt capat al extractorului se procedeaza la extragerea surubului

Extractoare BOA	Surub pentru lemn	Diametrul filetului		Dimensiune a boltului	Diametrul filetului	
		SAE (inch)	Metric (mm)		SAE (inch)	Metric (mm
Boa Professional Screw & Bolt Extractors						
Model #1	#4 - 7	0,112 - 0,151	3,099 - 3,835	No. 10	0,190	5
Model #2	#8 - 10	0,164 - 0,190	4,166 - 4,826	1/4"	0,250	6
Model #3	#11 - 14	0,203 - 0,242	5,156 - 6,147	5/16"	0,312	8
Model #4	#16 - 24	0,268 - 0,372	6,807 - 9,449	3/8"	0,375	10
Boa Original Screw & Bolt Extractors						
Model #2	#8 - 10	0,164 - 0,190	4,166 - 4,826	1/4"	0,250	6
Model #3	#11 - 14	0,203 - 0,242	5,156 - 6,147	5/16"	0,312	8
Boa Bolt Extractors						
Extrage 1/4"				1/4"	0,250	6
Extrage 5/16"				5/16"	0,312	8
Extrage 3/8"				3/8"	0,375	10
Extrage 1/2"				1/2"	0,500	12
Boa Mini Screw Extractors						
X-out #2	# 8-10					
X-out #3	# 10 - 14					
Boa Micro Screw & Bolt Extractors						
Model #5 & #6	#0 - 2	0,060 - 0,086	1,524 - 2,184	No. 5 & 6	0,125	3
Model #8	#2 - 4	0,086 - 0,122	2,184 - 3,099	No. 8	0,164	4
Model #10	#4 - 7	0,122 - 0,151	3,099 - 3,835	No. 10	0,190	5
Model #12	#7 - 10	0,151 - 0,190	3,835 - 4,826	1/4"	0,250	6







659

Pila rectificat filete UNF-UNC-SAE

- *pentru restaurarea filetelor in cazul carora nu pot fi utilizate stante si tarozi*
- *puteti restaura filete de dreapta, de stanga, interne si externe*
- *pile rezistente cu dinti bine ascutiti.*
- *pilele de restaurare filet sunt disponibile pentru filete de tip* UNF-UNC-SAE



TOME FETEIRA

	Tip	Lungime totala	A	g	
6597250	UNF-UNC-SAE	250	10	116	**403.39**

658

Pila rectificat filete GAS (GBS)

- *pentru restaurarea filetelor in cazul carora nu pot fi utilizate stante si tarozi*
- *puteti restaura filete de dreapta, de stanga, interne si externe*
- *pile rezistente cu dinti bine ascutiti.*
- *pilele de restaurare filet sunt disponibile pentru filete de tip* GAS (GBS)



TOME FETEIRA

	Tip	Lungime totala	A	g	
6587250	GAS (GBS)	250	10	116	**403.39**



4600

Insertii metric pas normal 1,0xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*



BOHRCRAFT

M

	M filet	Pas (mm)	Diametru (mm)		
46001500300	M 3	0,50	3,20	100	**1.31**
46001500400	M 4	0,70	4,20	100	**1.31**
46001500500	M 5	0,80	5,20	100	**1.64**
46001500600	M 6	1,00	6,30	100	**1.97**
46001500800	M 8	1,25	8,30	100	**1.97**
46001501000	M 10	1,50	10,40	100	**2.46**
46001501200	M 12	1,75	12,40	50	**2.95**
46001501400	M 14	2,00	14,50	50	**4.75**
46001501600	M 16	2,00	16,50	50	**6.39**
46001501800	M 18	2,50	18,60	25	**9.67**
46001502000	M 20	2,50	20,60	25	**10.66**
46001502200	M 22	2,50	22,60	10	**11.64**
46001502400	M 24	3,00	24,75	10	**14.59**

4601

Insertii metric pas normal 1,5xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*

BOHRCRAFT

M

	M filet	Pas (mm)	Diametru (mm)		
46011500300	M 3	0,50	3,20	100	**1.64**
46011500400	M 4	0,70	4,20	100	**1.64**
46011500500	M 5	0,80	5,20	100	**1.31**
46011500600	M 6	1,00	6,30	100	**1.31**
46011500800	M 8	1,25	8,30	100	**1.97**
46011501000	M 10	1,50	10,40	100	**2.62**
46011501200	M 12	1,75	12,40	50	**3.93**
46011501400	M 14	2,00	14,50	50	**5.25**
46011501600	M 16	2,00	16,50	50	**6.56**
46011501800	M 18	2,50	18,60	25	**12.30**
46011502000	M 20	2,50	20,60	25	**13.28**
46011502200	M 22	2,50	22,60	10	**15.25**
46011502400	M 24	3,00	24,75	10	**18.20**

4602

Insertii metric pas normal 2,0xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*

BOHRCRAFT

M

	M filet	Pas (mm)	Diametru (mm)		
46021500300	M 3	0,50	3,20	100	**1.64**
46021500400	M 4	0,70	4,20	100	**1.64**
46021500500	M 5	0,80	5,20	100	**1.97**
46021500600	M 6	1,00	6,30	100	**2.30**
46021500800	M 8	1,25	8,30	100	**2.46**
46021501000	M 10	1,50	10,40	100	**2.95**
46021501200	M 12	1,75	12,40	50	**4.10**
46021501400	M 14	2,00	14,50	50	**5.57**
46021501600	M 16	2,00	16,50	50	**8.03**
46021501800	M 18	2,50	18,60	25	**14.59**
46021502000	M 20	2,50	20,60	25	**17.38**
46021502200	M 22	2,50	22,60	10	**19.02**
46021502400	M 24	3,00	24,75	10	**22.13**

4603

Insertii metric pas normal 2,5xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*

BOHRCRAFT

M

	M filet	Pas (mm)	Diametru (mm)		
46031500300	M 3	0,50	3,20	100	**2.13**
46031500400	M 4	0,70	4,20	100	**2.13**
46031500500	M 5	0,80	5,20	100	**2.30**
46031500600	M 6	1,00	6,30	100	**2.62**
46031500800	M 8	1,25	8,30	100	**2.95**
46031501000	M 10	1,50	10,40	100	**3.61**
46031501200	M 12	1,75	12,40	50	**5.08**
46031501400	M 14	2,00	14,50	50	**6.72**
46031501600	M 16	2,00	16,50	50	**8.69**
46031501800	M 18	2,50	18,60	25	**17.54**
46031502000	M 20	2,50	20,60	25	**19.18**
46031502200	M 22	2,50	22,60	10	**22.30**
46031502400	M 24	3,00	24,75	10	**26.39**

4604

Insertii metric pas normal 3,0xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*

BOHRCRAFT

M

	M filet	Pas (mm)	Diametru (mm)		
46041500300	M 3	0,50	3,20	100	**2.46**
46041500400	M 4	0,70	4,20	100	**2.30**
46041500500	M 5	0,80	5,20	100	**2.62**
46041500600	M 6	1,00	6,30	100	**3.11**
46041500800	M 8	1,25	8,30	100	**3.61**
46041501000	M 10	1,50	10,40	100	**4.10**
46041501200	M 12	1,75	12,40	50	**6.23**
46041501400	M 14	2,00	14,50	50	**8.03**
46041501600	M 16	2,00	16,50	50	**9.51**
46041501800	M 18	2,50	18,60	25	**20.98**
46041502000	M 20	2,50	20,60	25	**22.13**
46041502200	M 22	2,50	22,60	10	**25.90**
46041502400	M 24	3,00	24,75	10	**31.64**



4610

Insertii metric pas fin 1,0xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*



MF

	M filet	Pas (mm)	Diametru (mm)		
46101500810	MF 8	1,00	8,30	100	**2.30**
46101501010	MF 10	1,00	10,30	100	**2.46**
46101501012	MF 10	1,25	10,30	100	**2.46**
46101501210	MF 12	1,00	12,30	50	**3.28**
46101501212	MF 12	1,25	12,30	50	**3.28**
46101501215	MF 12	1,50	12,40	50	**3.28**
46101501410	MF 14	1,00	14,30	50	**5.57**
46101501412	MF 14	1,25	14,40	50	**4.75**
46101501415	MF 14	1,50	14,40	50	**4.75**
46101501615	MF 16	1,50	16,40	50	**6.39**
46101501815	MF 18	1,50	18,50	25	**9.67**
46101501820	MF 18	2,00	18,50	25	**9.67**
46101502015	MF 20	1,50	20,50	25	**10.66**
46101502020	MF 20	2,00	20,50	25	**10.66**
46101502215	MF 22	1,50	22,50	10	**11.64**
46101502220	MF 22	2,00	22,50	10	**11.64**
46101502415	MF 24	1,50	24,50	10	**14.59**
46101502420	MF 24	2,00	24,50	10	**14.59**

4611

Insertii metric pas fin 1,5xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*

MF

	M filet	Pas (mm)	Diametru (mm)		
46111500810	MF 8	1,00	8,30	100	**2.30**
46111501010	MF 10	1,00	10,30	100	**2.62**
46111501012	MF 10	1,25	10,30	100	**2.62**
46111501210	MF 12	1,00	12,30	50	**3.93**
46111501212	MF 12	1,25	12,30	50	**3.93**
46111501215	MF 12	1,50	12,40	50	**3.93**
46111501410	MF 14	1,00	14,30	50	**5.74**
46111501412	MF 14	1,25	14,40	50	**5.25**
46111501415	MF 14	1,50	14,40	50	**5.25**
46111501615	MF 16	1,50	16,40	50	**6.56**
46111501815	MF 18	1,50	18,50	25	**6.56**
46111501820	MF 18	2,00	18,50	25	**12.30**
46111502015	MF 20	1,50	20,50	25	**13.28**
46111502020	MF 20	2,00	20,50	25	**13.28**
46111502215	MF 22	1,50	22,50	10	**15.25**
46111502220	MF 22	2,00	22,50	10	**15.25**
46111502415	MF 24	1,50	24,50	10	**18.20**
46111502420	MF 24	2,00	24,50	10	**18.20**

4612

Insertii metric pas fin 2,0xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*

MF

	M filet	Pas (mm)	Diametru (mm)		
46121500810	MF 8	1,00	8,30	100	**2.79**
46121501010	MF 10	1,00	10,30	100	**2.95**
46121501012	MF 10	1,25	10,30	100	**2.95**
46121501210	MF 12	1,00	12,30	50	**4.10**
46121501212	MF 12	1,25	12,30	50	**4.10**
46121501215	MF 12	1,50	12,40	50	**4.10**
46121501410	MF 14	1,00	14,30	50	**6.72**
46121501412	MF 14	1,25	14,40	50	**5.57**
46121501415	MF 14	1,50	14,40	50	**5.57**
46121501615	MF 16	1,50	16,40	50	**8.03**
46121501815	MF 18	1,50	18,50	25	**14.59**
46121501820	MF 18	2,00	18,50	25	**14.59**
46121502015	MF 20	1,50	20,50	25	**17.38**
46121502020	MF 20	2,00	20,50	25	**17.38**
46121502215	MF 22	1,50	22,50	10	**19.02**
46121502220	MF 22	2,00	22,50	10	**19.02**
46121502415	MF 24	1,50	24,50	10	**22.13**
46121502420	MF 24	2,00	24,50	10	**22.13**

4613

Insertii metric pas fin 2,5xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*

MF

	M filet	Pas (mm)	Diametru (mm)		
46131500810	MF 8	1,00	8,30	100	**3.11**
46131501010	MF 10	1,00	10,30	100	**3.61**
46131501012	MF 10	1,25	10,30	100	**3.61**
46131501210	MF 12	1,00	12,30	50	**5.08**
46131501212	MF 12	1,25	12,30	50	**5.08**
46131501215	MF 12	1,50	12,40	50	**5.08**
46131501410	MF 14	1,00	14,30	50	**8.03**
46131501412	MF 14	1,25	14,40	50	**6.72**
46131501415	MF 14	1,50	14,40	50	**6.72**
46131501615	MF 16	1,50	16,40	50	**8.69**
46131501815	MF 18	1,50	18,50	25	**17.54**
46131501820	MF 18	2,00	18,50	25	**17.54**
46131502015	MF 20	1,50	20,50	25	**19.18**
46131502020	MF 20	2,00	20,50	25	**19.18**
46131502215	MF 22	1,50	22,50	10	**22.30**
46131502220	MF 22	2,00	22,50	10	**22.30**
46131502415	MF 24	1,50	24,50	10	**26.39**
46131502420	MF 24	2,00	24,50	10	**26.39**

4614

Insertii metric pas fin 3,0xD

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*

MF

	M filet	Pas (mm)	Diametru (mm)		
46141500810	MF 8	1,00	8,30	100	**3.93**
46141501010	MF 10	1,00	10,30	100	**4.10**
46141501012	MF 10	1,25	10,30	100	**4.10**
46141501210	MF 12	1,00	12,30	50	**6.23**
46141501212	MF 12	1,25	12,30	50	**6.23**
46141501215	MF 12	1,50	12,40	50	**6.23**
46141501410	MF 14	1,00	14,30	50	**9.51**
46141501412	MF 14	1,25	14,40	50	**8.03**
46141501415	MF 14	1,50	14,40	50	**8.03**
46141501615	MF 16	1,50	16,40	50	**9.51**
46141501815	MF 18	1,50	18,50	25	**20.98**
46141501820	MF 18	2,00	18,50	25	**20.98**
46141502015	MF 20	1,50	20,50	25	**22.13**
46141502020	MF 20	2,00	20,50	25	**22.13**
46141502215	MF 22	1,50	22,50	10	**25.90**
46141502220	MF 22	2,00	22,50	10	**25.90**
46141502415	MF 24	1,50	24,50	10	**31.64**
46141502420	MF 24	2,00	24,50	10	**31.64**

4615

Insertii metric pas fin pentru reconditionarea filetelor de bujii

• *insertii din otel inoxidabil*
• *insertii de ranforsare filete in materiale cu rezistenta redusa la forfecare, de ex. aliaje de aluminiu si magneziu, precum si pentru repararea filetelor uzate si deteriorate*



MF

	M filet	Pas (mm)	Diametru (mm)		H	
46151514084	MF 14	1,25	14,40	50	8,4	**5.25**
46151514124	MF 14	1,25	14,40	50	12,4	**5.25**
46151514164	MF 14	1,25	14,40	50	16,4	**5.25**

Mod de utilizare





1 Curatati filetul deteriorat cu un burghiu standard. Pentru repararea un filet de bujie nu este necesară o pre-gaurire daca se foloseste tarodul special cu varf de ghidare.

2 Folositi trodul potrivit pentru formarea filetului de sustinere in orificiul curatat. Tarodul este potrivit gauri infundate si strapunse. Este recomandat sa folositi un ulei potrivit pentru aschiere.

3 Asezati insertia pe scula de instalare si pozitionati inelul reglabil, astfel incat coada insertiei sa fie centrata in fanta de fixare. Introducerea insertiei se face cu presiune redusa de la 1/4 pana la 1/2 rotatii sub nivelul suprafatei. Nu rotiti împotriva directiei de filetare, deoarece coada insertiei poate fi rupta.

4 Scoateti instrumentul de motaj indepartati coada insertiei cu ajutorul instrumentul special pe care il apasati brusc. Pentru dimensiuni mai mari de M12 precum si pentru filetele de bujii, folositi un cleste de varf lung pentru a indeparta coada insertiei.

Trusa reconditionat filete cu insertii metric pas normal

- *burghiu DIN 338 (art. 1121) pana la M12*
- *tarod STI*
- *scula montaj*
- *pin rupere pana la M12*
- *insertii 1,5xD*



GR-M3 – GR-M12



GR-M14 – GR-M24



M HSS G

	Set	Filet	Pas	Burghiu	Tarod	Scula montaj	Pin rupere	Insertii	
46011330300	**GR-M3**	M 3	0,50	3,20	M3 x 0,50	No. 4	No. 4	20	**243.11**
46011330400	**GR-M4**	M 4	0,70	4,20	M4 x 0,70	No. 6	No. 6	20	**243.11**
46011330500	**GR-M5**	M 5	0,80	5,20	M5 x 0,80	No. 8	No. 8	20	**253.93**
46011330600	**GR-M6**	M 6	1,00	6,30	M6 x 1,00	No. 9	No. 9	20	**253.93**
46011330800	**GR-M8**	M 8	1,25	8,30	M8 x 1,25	No. 11	No. 11	20	**315.74**
46011331000	**GR-M10**	M 10	1,50	10,40	M10 x 1,50	No. 13	No. 13	15	**340.82**
46011331200	**GR-M12**	M 12	1,75	12,40	M12 x 1,75	No. 15	No. 15	10	**413.28**
46011331400	**GR-M14**	M 14	2,00	-	M14 x 2,00	No. 16	-	10	**428.03**
46011331600	**GR-M16**	M 16	2,00	-	M16 x 2,00	No. 18	-	10	**471.48**
46011331800	**GR-M18**	M 18	2,50	-	M18 x 2,50	No. 20	-	3	**562.13**
46011332000	**GR-M20**	M 20	2,50	-	M20 x 2,50	No. 21	-	3	**616.39**
46011332200	**GR-M22**	M 22	2,50	-	M22 x 2,50	No. 22	-	3	**721.80**
46011332400	**GR-M24**	M 24	3,00	-	M24 x 3,00	No. 23	-	3	**797.87**

Trusa reconditionat filete cu insertii metric pas fin

- *burghiu DIN 338 (art. 1121) pana la M12*
- *tarod STI*
- *scula montaj*
- *pin rupere pana la M12*
- *insertii 1,5xD*

GR-MF810 – GR-MF1215



GR-MF1410 – GR-MF2420



MF HSS G

	Set	Filet	Pas	Burghiu	Tarod	Scula montaj	Pin rupere	Insertii	
46111330810	**GR-MF810**	MF 8	1,00	8,30	M8 x 1,00	No. 11	No. 11	20	**315.74**
46111331010	**GR-MF1010**	MF 10	1,00	10,30	M10 x 1,00	No. 13	No. 13	15	**340.82**
46111331012	**GR-MF1012**	MF 10	1,25	10,30	M10 x 1,25	No. 13	No. 13	15	**340.82**
46111331210	**GR-MF1210**	MF 12	1,00	12,30	M12 x 1,00	No. 15	No. 15	10	**413.28**
46111331212	**GR-MF1212**	MF 12	1,25	12,30	M12 x 1,25	No. 15	No. 15	10	**413.28**
46111331215	**GR-MF1215**	MF 12	1,50	12,40	M12 x 1,50	No. 15	No. 15	10	**413.28**
46111331410	**GR-MF1410**	MF 14	1,00	-	M14 x 1,00	No. 16	-	10	**428.03**
46111331412	**GR-MF1412**	MF 14	1,25	-	M14 x 1,25	No. 16	-	10	**428.03**
46111331415	**GR-MF1415**	MF 14	1,50	-	M14 x 1,50	No. 16	-	10	**428.03**
46111331615	**GR-MF1615**	MF 16	1,50	-	M16 x 1,50	No. 18	-	10	**471.48**
46111331815	**GR-MF1815**	MF 18	1,50	-	M18 x 1,50	No. 20	-	3	**562.13**
46111331820	**GR-MF1820**	MF 18	2,00	-	M18 x 2,00	No. 20	-	3	**562.13**
46111332015	**GR-MF2015**	MF 20	1,50	-	M20 x 1,50	No. 21	-	3	**616.39**
46111332020	**GR-MF2020**	MF 20	2,00	-	M20 x 2,00	No. 21	-	3	**616.39**
46111332215	**GR-MF2215**	MF 22	1,50	-	M22 x 1,50	No. 22	-	3	**721.80**
46111332220	**GR-MF2220**	MF 22	2,00	-	M22 x 2,00	No. 22	-	3	**721.80**
46111332415	**GR-MF2415**	MF 24	1,50	-	M24 x 1,50	No. 23	-	3	**797.87**
46111332420	**GR-MF2420**	MF 24	2,00	-	M24 x 2,00	No. 23	-	3	**797.87**

GRZK-14

Trusa reconditionat filete bujii

- *tarod STI MF14 x 1,25*
- *scula montaj Nr. 16*
- *5 insertii (8,4 / 12,4 / 16,4 mm)*



MF HSS G



	Set	Filet	Pas	Burghiu	Tarod	Scula montaj	Pin rupere	Insertii	
46151331412	**GRZK-14**	MF 14	1,25	-	MF14 x 1,25	No. 16	-	5	**507.70**

Trusa reconditionat filete cu insertii

- *burghiu DIN 338 (art. 1121) pana la M12*
- *tarod STI*
- *scula montaj*
- *pin rupere pana la M12*
- *insertii 1,5xD*



GR-M512



GR-M614



GR-M312

BOC BOHRCRAFT

M | HSS G

	Set	Filet	Pas	Burghiu	Tarod	Scula montaj	Pin rupere	Insertii	
46011330512	**GR-M512**	M 5	0,80	5,20	M5 x 0,80	No. 8	No. 8	25	**1486.72**
		M 6	1,00	6,30	M6 x 1,00	No. 9	No. 9	25	
		M 8	1,25	8,30	M8 x 1,25	No. 11	No. 11	25	
		M 10	1,50	10,40	M10 x 1,50	No. 13	No. 13	15	
		M 12	1,75	12,40	M12 x 1,75	No. 15	No. 15	10	
46011330614	**GR-M614**	M 6	1,00	6,30	M6 x 1,00	No. 9	No. 9	25	**1668.03**
		M 8	1,25	8,30	M 8 x 1,25	No. 11	No. 11	25	
		M10	1,50	10,40	M10 x 1,50	No. 13	No. 13	15	
		M 12	1,75	12,40	M12 x 1,75	No. 15	No. 15	10	
		MF 14	1,25	12,40	MF14 x 1,25	No. 16	-	10	
46011330312	**GR-M312**	M 3	0,50	3,20	M3 x 0,50	No. 4	No. 4	5	**3082.46**
		M 4	0,70	4,20	M4 x 0,70	No. 6	No. 6	5	
		M 5	0,80	5,20	M5 x 0,80	No. 8	No. 8	5	
		M 6	1,00	6,30	M6 x 1,00	No. 9	No. 9	5	
		M 8	1,25	8,30	M8 x 1,25	No. 11	No. 11	5	
		M 10	1,50	10,40	M10 x 1,50	No. 13	No. 13	5	
		M 12	1,75	12,40	M12 x1,75	No. 15	No. 15	5	

4800

Tarod unic STI HSS-G pas normal

- *pentru taierea firelor interne pentru insertii filetate conform ISO 2 (6H)*
- *pentru utilizare manuala si masini*
- *sanfren cu 4 - 5 pasi*



BOC BOHRCRAFT

M

	M filet	Pas	Diam gaura	Lungime	L filet	Patrat	
48001100300	M 3	0,50	3,20	53	13	3,15	**55.74**
48001100400	M 4	0,70	4,20	58	16	4,00	**55.74**
48001100500	M 5	0,80	5,20	66	19	5,00	**55.74**
48001100600	M 6	1,00	6,30	72	22	6,30	**55.74**
48001100800	M 8	1,25	8,30	80	24	8,00	**72.46**
48001101000	M 10	1,50	10,40	89	29	7,10	**87.05**
48001101200	M 12	1,75	12,40	95	30	9,00	**124.43**
48001101400	M 14	2,00	14,50	102	32	10,00	**146.39**
48001101600	M 16	2,00	16,50	112	37	11,20	**175.57**
48001101800	M 18	2,50	18,60	118	38	12,50	**219.34**
48001102000	M 20	2,50	20,60	118	38	12,50	**245.57**
48001102200	M 22	2,50	22,60	130	45	14,00	**277.87**
48001102400	M 24	3,00	24,75	138	48	16,00	**349.84**

4801

Tarod unic STI HSS-G pas fin

- *pentru taierea firelor interne pentru insertii filetate conform ISO 2 (6H)*
- *pentru utilizare manuala si masini*
- *sanfren cu 4 - 5 pasi*



BOC BOHRCRAFT

MF

	M filet	Pas	Diam gaura	Lungime	L filet	Patrat	
48011100810	MF 8	1,00	8,30	80	24	8,00	**72.46**
48011101010	MF 10	1,00	10,30	85	25	6,30	**87.05**
48011101012	MF 10	1,25	10,30	85	25	6,30	**87.05**
48011101210	MF 12	1,00	12,30	95	30	9,00	**124.43**
48011101212	MF 12	1,25	12,30	95	30	9,00	**124.43**
48011101215	MF 12	1,50	12,40	95	30	9,00	**124.43**
48011101410	MF 14	1,00	14,30	102	32	10,00	**146.39**
48011101412	MF 14	1,25	14,40	102	32	10,00	**146.39**
48011101415	MF 14	1,50	14,40	102	32	10,00	**146.39**
48011101615	MF 16	1,50	16,40	104	29	11,20	**175.57**
48011101815	MF 18	1,50	18,50	104	29	11,20	**219.34**
48011101820	MF 18	2,00	18,50	104	29	11,20	**219.34**
48011102015	MF 20	1,50	20,50	113	33	12,50	**245.57**
48011102020	MF 20	2,00	20,50	113	33	12,50	**245.57**
48011102215	MF 22	1,50	22,50	120	35	14,00	**277.87**
48011102220	MF 22	2,00	22,50	120	35	14,00	**277.87**
48011102415	MF 24	1,50	24,50	120	35	14,00	**349.84**
48011102420	MF 24	2,00	24,50	127	37	16,00	**349.84**

4802

Tarod combinat STI HSS-G special pentru bujii

- *pentru repararea firelor de bujie*
- *pentru utilizare manuala si pe masini*
- *cu varf de ghidaj*
- *nu este nevoie de pre-gaurire*
- *diametru varf: 14 mm*
- *diametru corp: 15,6 mm*
- *diametru coada: 12 mm*
- *lungime varf: 10 mm*





BOHRCRAFT **M** **HSS G**

	M filet	Pas	Diam gaura	Lungime	L filet	Patrat	
48021101412	MF 14	1,25	-	90	45	9,2	**249.84**

1121

Burghie cilindrice scurte pentru metal DIN 338, tip N, 118°, HSS-G rectificate

- *burghie cilindrice scurte pentru metal, conform DIN 338, tip N, unghi de ascutire 118°*
- *material HSS-G, tratate, rectificate*
- *taiere pe dreapta*
- *unghiul spirei 20-30°*
- *toleranta diametrului h8*
- *de la Ø 2 mm cu ascutire suplimentara pe fata de asezare si micsorarea taisului transversal, conform DIN 1412 C, pentru o aschiere mai usoara / micsorarea fortei de aschiere si o gaurire mai rapida*
- *destinate pentru gaurire in oteluri ne aliate si slab aliate, cu σr≤800 N/mm², gaurire in fonte si materiale neferoase (aliaje de aluminiu, cupru si bronzuri), mase plastice, materiale sinterizate diverse (nu in piese sinterizate din pulberi de oteluri sau din carburi metalice)*
- *recomandabil a se pot folosi pe masini de gaurit, utilaje stationare si fixe si numai ocazional pe masini de gaurit portabile, electrice sau pneumatice*





BOHRCRAFT

	Ø	L	l	Ø x L	pentru filet	Amb	
11210100320	3,20	65	36	cil.	M 3 x 0,50	10	**6.39**
11210100420	4,20	75	43	cil.	M 4 x 0,70	10	**9.34**
11210100520	5,20	86	52	cil.	M 5 x 0,80	10	**13.28**
11210100630	6,30	101	63	cil.	M 6 x 1,00	10	**16.56**
11210100830	8,30	117	75	cil.	M 8 x 1,00 / M 8 x 1,25	10	**28.85**
11210101030	10,30	133	87	cil.	M 10 x 1,00 / M 10 x 1,25	5	**48.20**
11210101040	10,40	133	87	cil.	M 10 x 1,50	5	**48.20**
11210101230	12,30	151	101	cil.	M 12 x 1,00 / M 12 x 1,25	5	**73.61**
11210101240	12,40	151	101	cil.	M 12 x 1,75 / M 12 x 1,50	5	**73.61**
11210111430	14,30	169	114	13 x 30	M 14 x 1,00	1	**149.51**
11210111440	14,40	169	114	13 x 30	M 14 x 1,25 / M 14 x 1,50	1	**149.51**
11210111450	14,50	169	114	13 x 30	M 14 x 2,00	1	**149.51**
11210111640	16,40	184	125	13 x 35	M 16 x 1,50	1	**190.00**
11210111650	16,50	184	125	13 x 35	M 16 x 2,00	1	**190.00**
11210111850	18,50	198	135	13 x 35	M 18 x 1,50 / M 18 x 2,00	1	**232.46**
11210111860	18,60	198	135	13 x 35	M 18 x 2,50	1	**236.23**
11210112050	20,50	225	145	13 x 40	M 20 x 1,50 / M 20 x 2,00	1	**238.85**
11210112060	20,60	225	145	13 x 40	M 20 x 2,50	1	**245.74**
11210112250	22,50	230	155	13 x 40	M 22 x 1,50 / M 22 x 2,00	1	**262.46**
11210112260	22,60	230	155	13 x 40	M 22 x 2,50	1	**267.70**
11210112450	24,50	250	160	13 x 40	M 24 x 1,50 / M 24 x 2,00	1	**282.13**
11210112475	24,75	250	160	13 x 40	M 24 x 3,00	1	**289.34**

4700

Instrument de montat insertii

- *pentru montarea insertiilor din otel inoxidabil*



BOHRCRAFT **M** **MF** **UNC** **UNF** **BSW**

	Nr.	M / MF	UNC	UNF	BSW	
47001500004	**4**	M 3 x 0.50	Nr. 4 x 40 Nr. 5 x 40	Nr. 4 x 48	1/8" x 40	**54.59**
47001500006	**6**	M 4 x 0,70	Nr. 8 x 32	Nr. 8 x 36	-	**54.59**
47001500008	**8**	M 5 x 0,80	Nr. 12 x 24	Nr. 10 x 32	-	**54.59**
47001500009	**9**	M 6 x 1,00	1/4" x 20	1/4" x 28	1/4" x 20	**54.59**
47001500011	**11**	M 8 x 1,25 M 8 x 1,00	-	5/16" x 24	-	**55.74**
47001500013	**13**	M 10 x 1,00 M 10 x 1.25 M 10 x 1,50	-	3/4" x 24	-	**60.00**
47001500015	**15**	M 12 x 1,00 M 12 x 1,25 M 12 x 1,50 M 12 x 1,75	1/2" x 13	1/2" x 20	1/2" x 12	**78.85**
47001500016	**16**	M 14 x 1,00 M 14 x 1,25 M 14 x 1,50 M 14 x 2,00	9/16" x 12	9/16" x 18	9/16" x 12	**94.10**
47001500018	**18**	M 16 x 1,50 M 16 x 2,00	5/8" x 11	5/8" x 18	5/8" x 11	**103.61**
47001500020	**20**	M 18 x 1,50 M 18 x 2,00 M 18 x 2,50	3/4" x 10	-	3/4" x 10	**103.61**
47001500021	**21**	M 20 x 1,50 M 20 x 2,00 M 20 x 2,50	-	3/4" x 16	-	**103.61**
47001500022	**22**	M 22 x 1,50 M 22 x 2,00 M 22 x 2,50	7/8" x 9	7/8" x 14	7/8" x 9	**130.49**
47001500023	**23**	M 24 x 1,50 M 24 x 2,00 M 24 x 3,00	1" x 8	1" x 12	1" x 8	**130.49**

4701

Pin rupere terminal insertii

- *pentru inlaturarea terminatiei sarmei de insertie (numai pana la M12)*
- *pentru dimensiuni mai mari de M12 precum si pentru filetele de bujii, folositi un cleste de varf lung pentru a indeparta coada insertiei*



BOHRCRAFT **M** **MF** **UNC** **UNF** **BSW**

	Nr.	M / MF	UNC	UNF	BSW	
47011500004	**4**	M 3 x 0.50	Nr. 4 x 40 Nr. 5 x 40	Nr. 4 x 48	1/8" x 40	**22.95**
47011500006	**6**	M 4 x 0,70	Nr. 8 x 32	Nr. 8 x 36	-	**22.95**
47011500008	**8**	M 5 x 0,80	Nr. 12 x 24	Nr. 10 x 32	-	**22.95**
47011500009	**9**	M 6 x 1,00	1/4" x 20	1/4" x 28	1/4" x 20	**22.95**
47011500011	**11**	M 8 x 1,25 M 8 x 1,00	-	5/16" x 24	-	**26.07**
47011500013	**13**	M 10 x 1,00 M 10 x 1.25 M 10 x 1,50	-	3/4" x 24	-	**26.07**
47011500015	**15**	M 12 x 1,00 M 12 x 1,25 M 12 x 1,50 M 12 x 1,75	1/2" x 13	1/2" x 20	1/2" x 12	**31.48**

M / MF	Adancimea minima a gaurii (mm)					Adancimea de filetare (inclusiv sanfren) (mm)					Lungimea insertiei filetate (montata) (mm)				
	1,0 x D	1,5 x D	2,0 x D	2,5 x D	3,0 x D	1,0 x D	1,5 x D	2,0 x D	2,5 x D	3,0 x D	1,0 x D	1,5 x D	2,0 x D	2,5 x D	3,0 x D
M 2 x 0,40	3,80	4,80	5,80	6,80	7,80	3,40	4,40	5,40	6,40	7,40	2,00	3,00	4,00	5,00	6,00
M 2,5 x 0,45	4,52	5,77	7,02	8,27	9,52	4,07	5,32	6,57	7,82	9,07	2,50	3,75	5,00	6,25	7,50
M 3 x 0,50	5,25	6,75	8,25	9,75	11,25	4,75	6,25	7,75	9,25	10,75	3,00	4,50	6,00	7,50	9,00
M 3,5 x 0,60	6,20	7,95	9,70	11,45	13,20	5,60	7,35	9,10	10,85	12,60	3,50	5,25	7,00	8,75	10,50
M 4 x 0,70	7,15	9,15	11,15	13,15	15,15	6,45	8,45	10,45	12,45	14,45	4,00	6,00	8,00	10,00	12,00
M 5 x 0,80	8,60	11,10	13,60	16,10	18,60	7,80	10,30	12,80	15,30	17,80	5,00	7,50	10,00	12,50	15,00
M 6 x 1,00	10,50	13,50	16,50	19,50	22,50	9,50	12,50	15,50	18,50	21,50	6,00	9,00	12,00	15,00	18,00
M 7 x 1,00	11,50	15,00	18,50	22,00	25,50	10,50	14,00	17,50	21,00	24,50	7,00	10,50	14,00	17,50	21,00
M 8 x 1,00	12,50	16,50	20,50	24,50	28,50	11,50	15,50	19,50	23,50	27,50	8,00	12,00	16,00	20,00	24,00
M 8 x 1,25	13,62	17,62	21,62	25,62	29,62	12,37	16,37	20,37	24,37	28,37	8,00	12,00	16,00	20,00	24,00
M 9 x 1,25	14,62	19,12	23,62	28,13	32,62	13,37	17,87	22,37	26,87	31,37	9,00	13,50	18,00	22,50	27,00
M 10 x 1,00	14,50	19,50	24,50	29,50	34,50	13,50	18,50	23,50	28,50	33,50	10,00	15,00	20,00	25,00	30,00
M 10 x 1,25	15,62	20,62	25,62	30,62	35,62	14,37	19,37	24,37	29,37	34,37	10,00	15,00	20,00	25,00	30,00
M 10 x 1,50	16,75	21,75	26,75	31,75	36,75	15,25	20,25	25,25	30,25	35,25	10,00	15,00	20,00	25,00	30,00
M 11 x 1,50	17,75	23,25	28,75	34,25	39,75	16,25	21,75	27,25	32,75	38,25	11,00	16,50	22,00	27,50	33,00
M 12 x 1,25	17,62	23,62	29,62	35,62	41,62	16,37	22,37	27,37	34,37	40,37	12,00	18,00	24,00	30,00	36,00
M 12 x 1,50	18,75	24,75	30,75	36,75	42,75	17,25	23,25	29,25	35,25	41,25	12,00	18,00	24,00	30,00	36,00
M 12 x 1,75	19,87	25,87	31,87	37,87	43,87	18,12	24,12	30,12	36,12	42,12	12,00	18,00	24,00	30,00	36,00
M 14 x 1,25	19,62	26,62	33,62	40,62	47,62	18,37	25,37	32,37	39,37	46,37	14,00	21,00	28,00	35,00	42,00
M 14 x 1,50	20,75	27,75	34,75	41,75	48,75	19,25	26,25	33,25	40,25	47,25	14,00	21,00	28,00	35,00	42,00
M 14 x 2,00	23,00	30,00	37,00	44,00	51,00	21,00	28,00	35,00	42,00	49,00	14,00	21,00	28,00	35,00	42,00
M 16 x 1,50	22,75	30,75	38,75	46,75	54,75	21,25	29,25	37,25	45,25	53,25	16,00	24,00	32,00	40,00	48,00
M 16 x 2,00	25,00	33,00	41,00	49,00	57,00	23,00	31,00	39,00	47,00	55,00	16,00	24,00	32,00	40,00	48,00
M 18 x 2,00	27,00	36,00	45,00	54,00	63,00	25,00	34,00	43,00	52,00	61,00	18,00	27,00	36,00	45,00	54,00
M 18 x 2,50	29,25	38,25	47,25	56,25	65,25	26,75	35,75	44,75	53,75	62,75	18,00	27,00	36,00	45,00	54,00
M 20 x 1,50	26,75	36,75	46,75	56,75	66,75	25,25	35,25	45,25	55,25	65,25	20,00	30,00	40,00	50,00	60,00
M 20 x 2,00	29,00	39,00	49,00	59,00	69,00	27,00	37,00	47,00	57,00	67,00	20,00	30,00	40,00	50,00	60,00
M 20 x 2,50	31,25	41,25	51,25	61,25	71,25	28,75	38,75	48,75	58,75	68,75	20,00	30,00	40,00	50,00	60,00
M 22 x 1,50	28,75	39,75	50,75	61,75	72,75	27,25	38,25	49,25	60,25	71,25	22,00	33,00	44,00	55,00	66,00
M 22 x 2,00	31,00	42,00	53,00	64,00	75,00	29,00	40,00	51,00	62,00	73,00	22,00	33,00	44,00	55,00	66,00
M 22 x 2,50	33,25	44,25	55,25	66,25	77,25	30,75	41,75	52,75	63,75	74,75	22,00	33,00	44,00	55,00	66,00
M 24 x 2,00	33,00	45,00	57,00	69,00	81,00	31,00	43,00	55,00	67,00	79,00	24,00	36,00	48,00	60,00	72,00
M 24 x 3,00	37,50	49,50	61,50	73,50	85,50	34,50	46,50	58,50	70,50	82,50	24,00	36,00	48,00	60,00	72,00

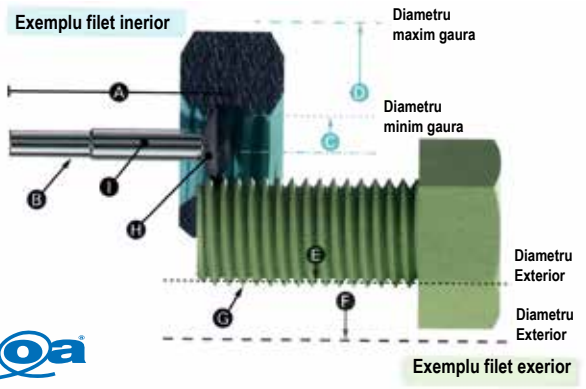
RTR1

Freza pentru reparat filete 9.5 mm

- *Boa Rotary Thread Rescue este primul instrument de reparare filete rotativ din lume*
- *acest instrument inlocuieste nevoia de truse de filiere si tarozi*
- *RTR este universal, se potriveste filetelor interne si externe atat metrice, cat si in inch*
- *potrivit pentru utilizare pe toate materialele, inclusiv materialele plastice*
- *profilul de auto-aliniere brevetat permite cu usurinta revopsirea filetelor deteriorate*
- *utilizare cu masini de gaurit standard, polizoare drepte sau alte sculele rotative*
- *capul cu carbura, echilibrat, de precizie este de lunga durata*
- *ideal pentru a fi folosit pe orice filet, RTR1 este excelent pentru utilizari DIY, inclusiv biciclete, auto, motociclete etc., orice lucru cu filet din jurul casei sau garaj*
- *diametrul capului: 9,5 mm (3/8")*
- *diametru arbore: 3,2 mm (1/8")*
- *lungime: 50 mm (2")*



A Lungime totala 50 mm
B Dimensiunea arborelui 3x15 mm
C Dimensiune min. gaura 10 mm
D Dimensiune max. gaura: fara limita (recomandat pana la 35 mm)
E Diametru exterior min 6 mm
F Diametru maxim exterior: fara limita (recomandat pana la 40 mm)
G Pasul filetului: standard, metric, gaz (orice profil de 60 grade)
H Acoperire: proprietati super abrazive



	D	d	L	
17901	9,5	3,2	50	**72.52**

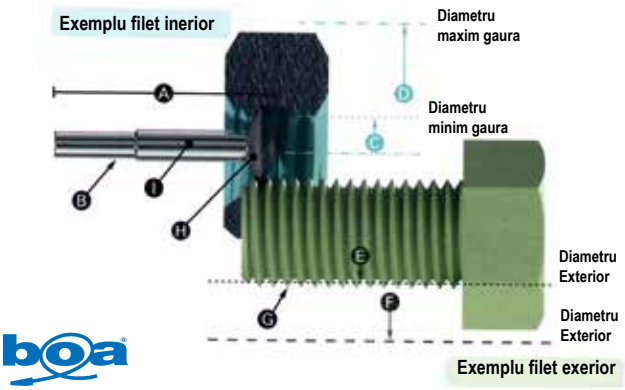
RTR2

Freza pentru reparat filete 19.5 mm

- *Boa Rotary Thread Rescue este primul instrument de reparare filete rotativ din lume*
- *acest instrument inlocuieste nevoia de truse de filiere si tarozi*
- *RTR este universal, se potriveste filetelor interne si externe atat metrice, cat si in inch*
- *potrivit pentru utilizare pe toate materialele, inclusiv materialele plastice*
- *profilul de auto-aliniere brevetat permite cu usurinta revopsirea filetelor deteriorate*
- *utilizare cu masini de gaurit standard, polizoare drepte sau alte sculele rotative*
- *capul cu carbura, echilibrat, de precizie este de lunga durata*
- *ideal pentru a fi folosit pe orice filet, RTR1 este excelent pentru utilizari DIY, inclusiv biciclete, auto, motociclete etc., orice lucru cu filet din jurul casei sau garaj*
- *diametrul capului: 19,5 mm (3/4")*
- *diametru arbore: 6,35 mm (1/4")*
- *lungime: 50 mm (2")*



A Lungime totala 50 mm
B Dimensiunea arborelui 6 x 20 mm
C Dimensiune min. gaura 22 mm
D Dimensiune max. gaura: fara limita (recomandat pana la 65 mm)
E Diametru exterior min 15 mm
F Diametru maxim exterior: fara limita (recomandat pana la 65 mm)
G Pasul filetului: standard, metric, gaz (orice profil de 60 grade)
H Acoperire: proprietati super abrazive



	D	d	L	
17902	19,5	6,35	50	**81.70**



SCULE DE DEBITARE

PILANA

productia foarte precisa datorita utilizarii celor mai moderne tehnologii: LASER, polizoare CNC, unelte de aschiere CNC, ascutitori CNC, cuptoare automate si alte dispozitive automate si semi-automate.

BIPICO

panze continue de dimensiuni standard si solicitate de catre client, recomandate pentru toate tipurile de materiale feroase (oteluri) si neferoase, aliaje, materiale compozite /sintetice, stratificate, placi aglomerate si lemn, cu performante inalte de taiere.

WELLERSHAUS

panze continue de dimensiuni standard si solicitate de catre client, recomandate pentru toate tipurile de materiale feroase (oteluri) si neferoase, aliaje, materiale compozite / sintetice, stratificate, placi aglomerate si lemn, cu performante inalte de taiere.

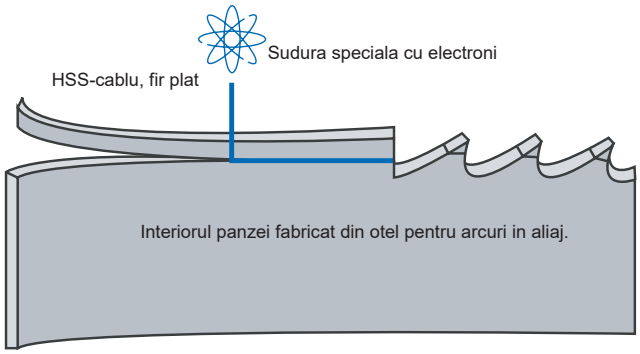
Benzi fierastrau bimetal

M42

DIN tip 1.3247, duritate aprox. 67-69 HRC

M51

DIN tip 1.3207, duritate 69 HRC cu un continut mare de wolfram si cobalt



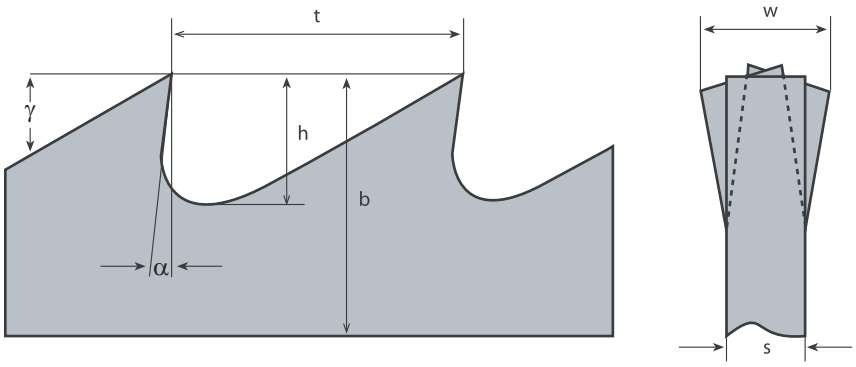
Flexibilitate:
Corpul panzei de fierastrau este fabricat dintr-un otel in aliaj special pentru arcuri. Acesta este foarte flexibil si duritatea este de aprox. 50 HRC. Este baza ideala pentru fiabilitatea dorita si confera calitati de taiere exceptionale.

Dur si rezistent:
Placutele din carbura metalica sunt fabricate din otel HSS in versiunea de material M42 sau M51.

Cea mai buna sudura:
Ambele materiale sunt sudate astfel incat nu pot fi desprinse.

Toate avantajele:
Inalta calitate a acestei panze bimetal demonstreaza atat flexibilitatea corpului suport cat si rezistenta incredibila a otelului calit HSS. Pe panza fabricata se ataseaza fiecare placuta din carbura metalica fabricate din otel HSS,

Geometria panzei de ferastrau panglica (terminologie)



b = latimea panzei
s = grosimea panzei
h = adancimea canalelor
t = pasul dintilor
α = unghi de degajare
γ = unghiul jocului masinii
w = latimea setului dintilor

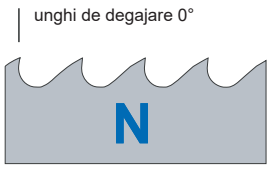
Panze panglica pentru metal 520
Panze panglica pentru lemn 526
Panze rectilinii 527
Panze pendular lemn 533
Panze pendular pentru metal 537
Panze pendular speciale 539
Panze pendular prindere U 543
Panze pendula pentru fierastraie antiex 545
Panze sabie pentru lemn 549
Panze sabie pentru metal 555
Panze sabie speciale 560
Panze sabie fierastraie pneumatice 567
Panze bomfaier 578
Panze traforaj 581
Discuri abrazive 583
Raspile 587
Discuri diamentate 588
Accesorii multifunctionale 591



Forma dintilor

Doar acea forma a dintilor bine aleasa poate taia efectiv cu vibratii minime. Sunt disponibile 4 tipuri de baza.

Dinti standard



Specializare:
materiale de aschiat scurte
materiale cu pereti subtiri

Specificatii:
unghi de degajare 0°
4+18 dinti/tol

Aria productie:
100, 420

Dinti ai angrenajului cu clichet

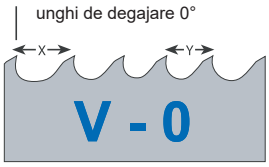


Specializare:
materiale de debitat lungi
materiale dure
diametre mari

Specificatii:
unghi de degajare pozitiv
1,25 + 6 dinti/tol

Aria productie:
100, 421, 426, 427

Dinti variabili

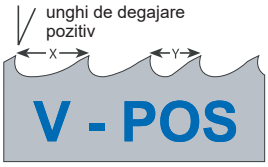


Specializare:
structura de taiere cu
vibratii usoare

Specificatii:
unghi de degajare 0°
pasul dintilor variabil de 3/4
pana la 10/14

Aria productie:
430

Dinti variabili cu unghiul angrenajului poziti

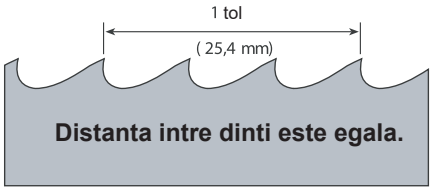


Specializare:
Taierea materialelor dure,
vibratii usoare

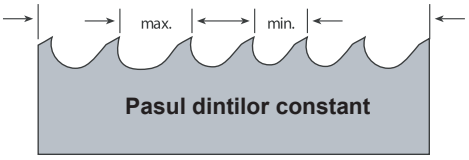
Specificatii:
Unghi de degajare pozitiv
Pasul dintilor variabil de
0.75/1.25 pana la 4/6

Aria productie:
431, 434, 435, 436, 437,
438, 531, 537, 544

Pasul dintilor



Distanta intre dinti este egala.
Numarul de dinti pe tol (25,4 mm) indica numarul de dinti al panzei.



Distantele intre dinti variaza in cadrul unui grup de dinti.
Cel mai mic si cel mai mai mare pas indica dintele variabil al panzei.

Pasul dintilor corect - Performanta optima

Pentru o performanta optima a panzei panglica bimetal alegerea dintarii corecte este esentiala in aplicatiile individuale.
Alegeti fie forma dintilor Standard cu pasul constant sau dinti variabili cu dinti dispusi inegal. Dintarea combinata este recomandata pentru taierea materialului problematic pentru reducerea vibratiilor

Dintarea recomandata pentru taierea materialului solid

Pasul dintilor constant

Sectiune mm	TPI	Forma dintilor
380 - 800	1,25	H
200 - 400	2	H
120 - 200	3	H
80 - 120	4	H/N
50 - 80	6	N
30 - 50	8	N
20 - 30	10	N
10 - 20	14	N
0	18	N

N=forma dintilor standard
H=forma dintilor hook

Pasul dintilor variabil

Sectiune mm	TPI	Forma dintilor
ab 550	0,75/1,25	V - POS
300 - 600	1/2	V - POS
120 - 350	2/3	V - POS
80 - 150	3/4	V - POS
60 - 110	4/6	V - POS
40 - 70	5/8	V -0
30 - 60	6/10	V -0
20 - 40	8/12	V -0
bis 25	10/14	V -0

V-POS=forma dintilor variabila cu unghi hook pozitiv
V-0=forma dintilor variabila cu unghi al angrenajului de 0°

Dispunerea dintilor

Pe langa forma si pasul dintilor este esential sa alegeti o dispunere corecta a acestora pentru a obtine o inalta performanta a panzei. Jocul corect al panzei de ferastrau este obtinut printr-o dispunere specifica pentru fiecare aplicatie de taiere.
Acest lucru previne strangularea panzei, ceea ce este foarte important in acele aplicatii de taiere problematice

Tipul si latimea setarii sunt factori decisivi in procesul de taiere.

Setare Standard - Raker (S, SW)
maxim 10 dinti/tol
forma dintilor N, H



Setare variabila in grup (G, GW)
0.75/1.25 aproximativ 10/14 dinti/tol
Forma dintilor K



Setare Wavy (W)
maxim 14 dinti/tol
forma dintilor N



Recomandari pentru debitarea tevilor din otel si a altor structuri

In debitarea tevilor si profilelor din otel alegerea dintarii corecte joaca un rol decisiv.
Dintarea variabila s-a dovedit a fi cea mai potrivita.
Factori importanti sunt grosimea peretilor sau parametrii externi ai tevilor sau structurilor

Structuri cu pereti subtiri (unghi de degajare 0°)

Grosimea peretelui	Diametrul exterior in mm						
(S) in mm	20	40	60	80	100	120	150
2	14	14	14	14	14	14	10/14
3	14	14	14	14	10/14	10/14	8/12
4	14	14	10/14	10/14	8/12	8/12	6/10
5	14	10/14	10/14	8/12	8/12	6/10	6/10
6	14	10/14	8/12	8/12	6/10	6/10	5/8
8	14	8/12	6/10	6/10	5/8	5/8	5/8
10	-	6/10	6/10	5/8	5/8	5/8	-

Diametrul exterior al structurilor (in mm)

Grosimea peretilor	Structuri cu pereti duri (unghi de degajare pozitiv)							
(S) in mm	80	100	120	150	200	300	500	750
10	-	-	-	4/6	4/6	4/6	3/4	3/4
15	4/6	4/6	4/6	4/6	3/4	3/4	2/3	2/3
20	4/6	3/4	3/4	3/4	3/4	2/3	2/3	2/3
30	3/4	3/4	3/4	3/4	2/3	2/3	2/3	1/2
50	-	3/4	3/4	2/3	2/3	2/3	1/2	1/2
80	-	-	-	-	2/3	1/2	1/2	1/2
100	-	-	-	-	-	1/2	0,75/1,25	0,75/1,25

Recomandari tehnice
pentru benzile de fierastrau panglica

Tipul materialului	DIN specificatii material	DIN numar	Viteza de taiere Vc(m/min)		Lichid racire	
			CS 100	Bi-Metal	Ulei	Emulsie
Oteluri de structura	St 37 – 2	1.0037	30-50	80-100		x
	St 50 – 2	1.0050	30-45	60-85		x
	St 60 – 2	1.0060	30-40	50-70		x
Oteluri de cementare	C 10	1.0301	40-60	80-100	x	
	14 NiCr 14	1.5752	25-30	40-55	x	
	21 NiCrMo 2	1.6523	30-40	50-60	x	
	16 MnCr 5	1.7131	25-30	40-60	x	
Oteluri pentru masini	9 S 20	1.0711	40-60	80-120		x
	45 S 20	1.0727	40-60	80-120		x
Oteluri tratate la cald	C 45	1.0503	35-50	60-70		x
	40 Mn 4	1.1157	30-40	60-70		x
	36 NiCr 6	1.5710	30-40	60-70		x
	34 CrNiMo 6	1.6582	25-35	50-65		x
	42 CrMo 4	1.7225	25-35	50-65		x
Oteluri lagar cu bile	100 Cr 6	1.3505	20-30	35-50		x
	100 CrMn 6	1.3520	20-30	35-50		x
Oteluri pentru arcuri	65 Si 7	1.5028	25-35	45-60		x
	50 CrV 4	1.8159	25-35	45-60		x
Oteluri pentru unelte fara aliaj	C 125 W	1.1663	20-30	40-60		x
	C 75 W	1.1750	20-30	40-60		x
Oteluri pentru unelte prelucrate	125 Cr 1	1.2002	20-30	40-50	x	x
la rece	X 210 Cr 12	1.2080	15-25	30-40	x	x
	X 155 CrVMo 12 1	1.2379	15-25	30-40	uscat	
	X 42 Cr 13	12083	20-25	35-45	x	x
	X 165 CrV 12	1.2201	15-25	30-45	x	x
	100 CrMo 5	1.2303	15-30	30-50	x	x
	X 32 CrMoV 3 3	1.2365	25-35	45-60	x	x
	45 WCrV 7	1.2542	20-30	40-50	x	x
Oteluri unelte prelucrate la cald	56 NiCrMoV 7	1.2714	20-30	40-50	x	x
Oteluri rapide	S 6-5-2-5 (EMo5 Co5)	1.3243	20-30	35-45		x
	S 2-10-1-8 (M42)	1.3247	20-30	35-45		x
	S 6-5-2 (DMo5)	1.3343	20-30	35-45		x
Oteluri pentru valve	X 45 CrSi 9 3	1.4718	-	30-45	x	x
	X 45 CrNiW 18 9	1.4873	-	30-40	x	x
Oteluri de temperaturi inalte	X 20 CrMoV 12 1	1.4922	-	10-30	x	x
	X 5 NiCrTi 26 15	1.4980	-	10-30	x	x
Oteluri rezistente la caldura	X 10 CrSi 6	1.4712	-	15-25	x	x
	X 10 CrAl 18	1.4742	-	15-25	x	x
	X 15 CrNiSi 25 20	1.4841	-	15-25	x	x
Oteluri inoxidabile	X 5 CrNi 18 10	1.4301	-	30-40	x	x
	X 6 CrNiMoTi 17 12 2	1.4571	-	30-40	x	x
Piese turnate din otel	GS-38	1.0420	20-30	40-60		x
	GS-60	1.0558	20-30	40-60		x
Fonta (de turnatorie)	GG-15	0.6015	25-30	30-60	uscat	
	GG-30	0.6030	25-30	30-60	uscat	
	GGG-50	0.7050	25-30	30-60	uscat	
	GTW-40-05	0.8040	25-30	30-60	uscat	
	GTS-65-02	0.8165	25-30	30-60	uscat	
Cupru	KE-Cu	2.0050	100-250	100-400	x	x
	Elektrrolyt -Ku pfer		100-250	100-400	x	x
Alama (aliaje cupru-zinc)	CuZn 10	2.0230	100-300	100-400		x
	CuZn 31 Si 1	2.0490	100-250	100-400		x
Bronz aluminiu	CuAl 8	2.0920	20-30	35-50		x
(aliaje cupru-aluminiu)	CuAl 10 Fe 3 Mn 2	2.0936	20-30	35-50		x
Bronz (aliaje cupru-staniu)	CuSn 6	2.1020	80-100	80-150		x
	CuSn 6 Zn 6	2.1080	80-100	80-150		x
Alama rosie (aliaje cu cupru pentru turnatorie	G-CuSn 10 Zn	2.1086.01	30-40	50-100		x
	G-CuSn 5 ZnPb	2.1096.01	30-40	50-100		x
Aliaje pe baza de nichel	NiCr 20 TiAl	2.4631	-	10-25	x	x
	NiCr 22 FeMo	2.4972	-	10-25	x	x
Aluminiu si aliaje	Al 99.5	3.0255.07	80-300	80-800		x
	AlMgSiPb	3.0615.71	80-300	80-800		x
	G-AlSi 5 Mg	3.2341.01	80-300	80-800		x
Aliaje cu titan	Ti 99.5	3.7024.1	-	10-20	x	x
	TiAl 6 V 4	3.7165	-	10-20	x	x
Materiale plastice termorezistente	PVC		100-400	100-400	uscat	
	Teflon, Hostalen		100-400	100-400	uscat	
Materiale plastice cu intercalari de fibre	Resitex		50-200	50-300	uscat	
	Novotex		50-200	50-300	uscat	

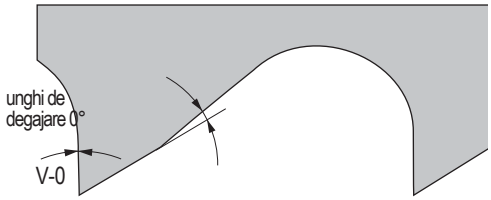
M42 UNIVERSAL (M42-430)

Panza panglica pentru taierea structurilor de grosime medie sau pereti subtiri

- *placutele dintilor confectionate din material HSS M42, DIN 1.3247*
- *dinti variabili cu unghi de degajare de 0° cu o setare de grup speciala care taie chiar si cele mai subtiri sectiuni cu vibratii putine*
- *materialele de aschiat scurte sunt taiate fara probleme*
- *durata lunga de viata si costuri minime*
- *ideala pentru structuri de grosime medie sau pereti subtiri*

Domeniu de utilizare:

- *oteluri de calitati commune cu rezistenta de rupere la intindere de pana la 1400 N/mm²*
- *profile din metale neferoase*
- *taieri simple sau in pachet*
- *tuburi si structuri cu pereti subtiri sau medii*
- *table din metal pentru masini de debitat cu panza panglica verticale*





Pilana METAL

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		5/8	6/10	8/12	10/14	
13 x 0,65	**1/2 x 0,025**	V-O	V-O	V-O	V-O	**50.31**
13 x 0,90	**1/4 x 0,035**	● V-O	V-O	V-O	V-O	**53.38**
20 x 0,90	**3/4 x 0,035**	V-O	V-O	V-O	V-O	**55.00**
27 x 0,90	**1.1/16 x 0,035**	V-O	V-O	V-O	V-O	**59.33**
34 x 1,10	**1.3/8 x 0,042**	V-O	V-O	V-O	V-O	**81.15**
41 x 1,30	**1.5/8 x 0,050**	V-O	V-O	-	-	**105.85**

***V-O**: dinti variabili cu unghi de degajare 0°*

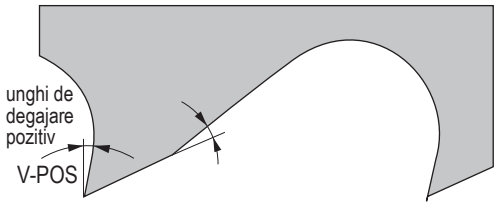
M42 MASSIVE (M42-431 MASSIVE)

Panza panglica pentru taierea sectiunilor medii si mari

- *placutele dintilor confectionate din material HSS M42, DIN 1.3247*
- *dinti variabili cu unghi de degajare pozitiv cu o setare speciala a grupului taie materiale solide, precum si structuri cu pereti duri, tuburi la o mare viteza de taiere cu o suprafata neteda*
- *ideala pentru taierea sectiunilor medii si mari*

Domeniu de utilizare:

- *oteluri de calitati commune cu rezistenta de rupere la intindere de pana la 1400 N/mm²*
- *metale neferoase*
- *taieri simple sau in pachet*
- *material solid de dimensiuni medii sau mari*
- *tevi cu pereti grosi*





Pilana METAL

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch					
		0,75/1,25	1,4/2	2/3	3/4	4/6	
20 x 0,90	**3/4 x 0,035**	-	-	-	-	V-POS	**55.00**
27 x 0,90	**1.1/16 x 0,035**	-	-	V-POS	V-POS	V-POS	**59.33**
34 x 1,10	**1.3/8 x 0,042**	-	V-POS	V-POS	V-POS	V-POS	**81.15**
41 x 1,30	**1.5/8 x 0,050**	-	V-POS	V-POS	V-POS	V-POS	**105.85**
54 x 1,30	**2.1/8 x 0,050**	-	V-POS*	V-POS*	V-POS*	V-POS*	**160.31**
54 x 1,60	**2.1/8 x 0,063**	● V-POS	V-POS	V-POS	V-POS	V-POS	**160.31**
67 x 1,60	**2.5/8 x 0,063**	● V-POS	V-POS	V-POS	V-POS	-	**215.49**

***V-POS**: dinti variabili cu unghi de degajare pozitiv*
*** la cerere***

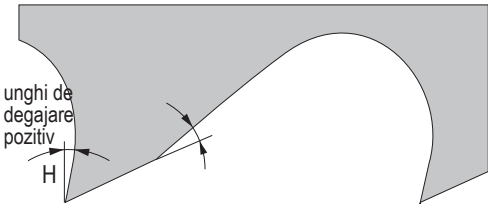
M42 ALUCUT (M42-426 / M42-436 ALU Expert)

Panza panglica pentru taierea fina a metalelor usoare

- *placutele dintilor fabricate din materialul HSS M42, DIN 1.3247*
- *dinti de fixare/ai angrenajului cu clichet intr-un set dur ce poate actiona la toate dimensiunile*
- *taieri fine si durata uneltei care convinge*
- *ideala pentru taierea fina a metalelor usoare*

Domeniu de utilizare:

- *aluminiu pur si aliaje de aluminiu toate dimensiunile*





Pilana METAL

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch						
		2	3	4	6	2/3	3/4	
13 x 0,65	**1/2 x 0,025**	-	-	● POS	● POS	-	-	**53.38**
13 x 0,90	**1/4 x 0,035**	-	POS	● POS	POS	-	-	**53.38**
20 x 0,90	**3/4 x 0,035**	-	POS	● POS*	-	-	-	**55.00**
27 x 0,90	**1.1/16 x 0,035**	POS	POS	POS	-	V-POS	V-POS	**59.33**
34 x 1,10	**1.3/8 x 0,042**	POS	POS	-	-	V-POS	V-POS	**81.15**
41 x 1,30	**1.5/8 x 0,050**	-	-	-	-	V-POS	V-POS	**105.85**

***V-POS**: dinti variabili cu unghi de degajare pozitiv*
***POS**: dinti constanti cu unghi de degajare pozitiv*
*** la cerere***

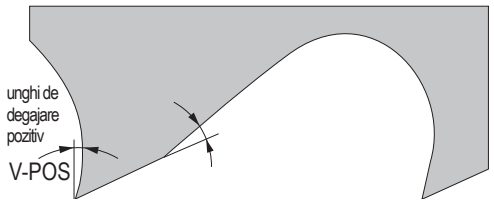
M42 PROFILE (M42-461 PROFILE Universal Plus)

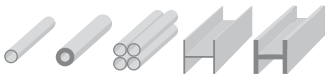
Panza panglica pentru o gama larga de taiere pentru profile

- *placutele dintilor fabricate din material HSS M42/W.Nr. 1.3247, duritate 68 HRc*
- *dinti variabili cu unghi de degajare pozitiv ce sporesc rezistenta la rupere si micsoreaza tendinta de vibrare*
- *marcate cu dimensiune si dantura * setarea dintilor elimina strangularea panzei*

Domeniu de utilizare:

- *oteluri de calitati comune cu rezistenta de rupere la intindere de pana la 1400 N/mm²*
- *otel de constructii, cementare, nitrurare si otel pentru arcuri*
- *otel de scule incluzand oteluri inalt aliate*
- *profile, grinzi, tuburi - taieri simple sau in pachet*
- *nu este pe deplin recomandat pentru taierea materialelor pline*
- *gama larga de taiere*



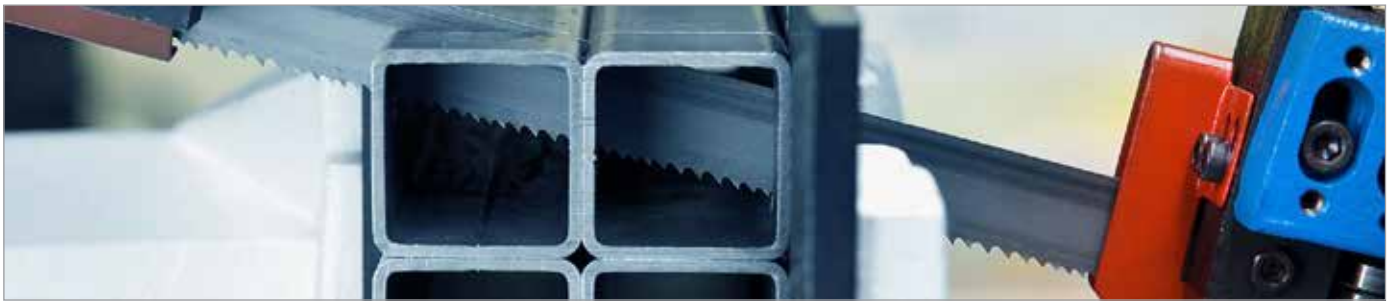


Pilana METAL

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch					
		2/3	3/4	4/6	5/7	8/11	
20 x 0,90	**3/4 x 0,035**	-	-	-	V-POS	V-POS	**47.05**
27 x 0,90	**1-1/16 x 0,035**	-	V-POS	V-POS	V-POS	V-POS	**48.85**
34 x 1,10	**1-3/8 x 0,042**	V-POS	V-POS	V-POS	V-POS	V-POS	**62.43**
41 x 1,30	**1-5/8 x 0,050**	V-POS	V-POS	V-POS	V-POS	V-POS	**83.93**
54 x 1,30	**2-1/8 x 0,050**	V-POS	V-POS	V-POS*	-	-	**142.79**
54 x 1,60	**2-1/8 x 0,063**	V-POS*	V-POS*	-	-	-	**196.56**

***V-POS**: dinti variabili cu unghi de degajare pozitiv*
*** la cerere***



M42 REGULAR (42-420 MASSIVE Expert)

Panza panglica pentru taierea tuturor dimensiunilor de otel solid

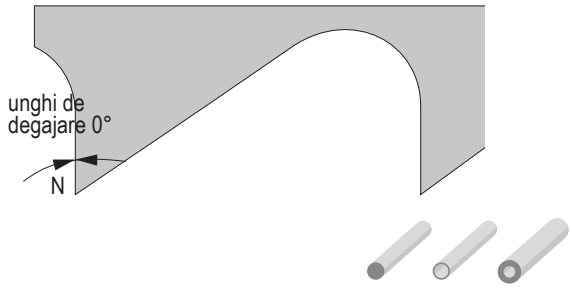
- *placutele din carbura fabricate din HSS M42 / nr material 1.3247*
- *dinti standard cu unghi de degajare de 0° sau usor pozitiv in combinatie cu racleta/rascheta standard sau un set*

striat/zimtuit sunt potrivite pentru taierea materialelor de aschiere sau a materialelor de grosime mica

- *pentru taieri netede sau fara bavura de laminare*
- *pentru taierea tuturor dimensiunilor de otel solid*

Domeniu de utilizare:

- *otel de calitate comuna pana la un max de 1400 N/mm², rezistenta de rupere la tractiune*
- *metale neferoase*
- *sectiuni transversale pana la un maxim de aprox. 100 mm (4")*
- *operatii de taiere contur*

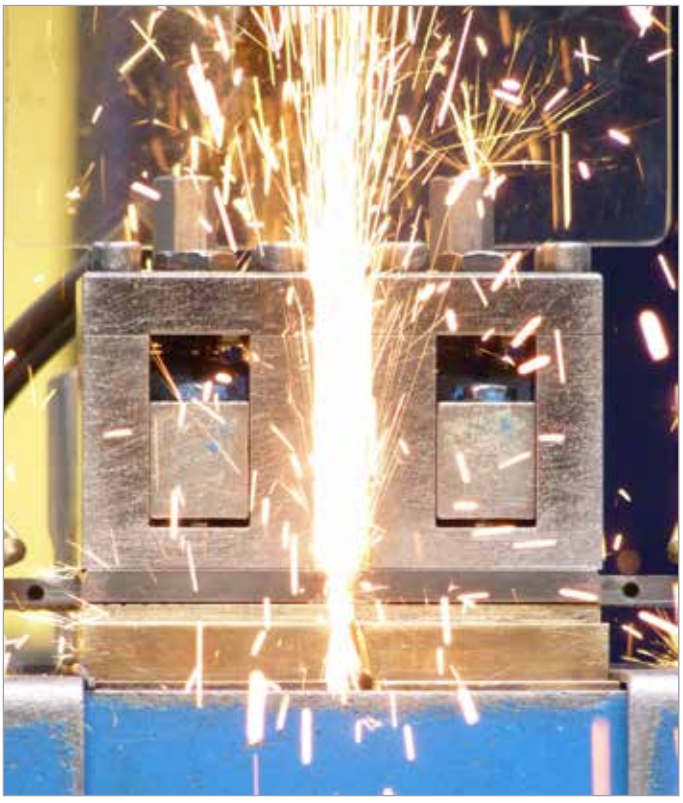


Pilana METAL

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		6	10	14	18	
13 x 0,65	**1/2 x 0,025**	-	N	N	N	**50.13**
13 x 0,90	**1/2 x 0,035**	-	N*	N*	N*	**53.38**
20 x 0,90	**3/4 x 0,035**	-	N*	N	N	**55.00**
27 x 0,90	**1.1/16 x 0,035**	N	N	N	N	**59.33**

***N**: dinti standard cu unghi de degajare 0°*
****** la cerere*



M42 REGULAR PLUS (M42-421 MASSIVE Expert Plus)

Panza panglica pentru taierea barelor solide de mari dimensiuni

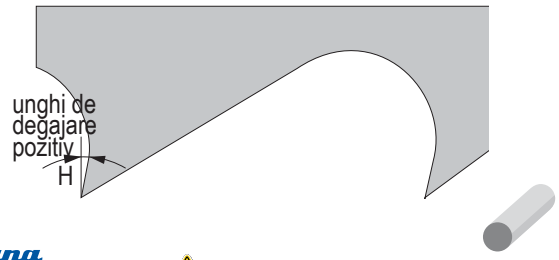
- *placutele dintilor fabricate din HSS M 42 / material nr 1.3247*
- *dinti ai angrenajului cu clichet cu unghi de degajare pozitiv combinat cu un set cu racleta pentru o usoara*

penetrare a dintilor si formarea aschiilor pe sectiuni transversale de dimensiuni mai mari

- *taie materiale de aschiere lungi si pe cele dure fara nici o problema*
- *taiere neteda si precisa*
- *ideala pentru taierea barelor solide de mari dimensiuni*

Domeniu de utilizare:

- *oteluri de calitate comuna cu rezistenta de rupere la tractiune de pana la 1400 N/mm²*
- *metale neferoase*
- *sectiuni transversale de peste 100 mm (4")*



Pilana METAL

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		2	3	4	6	
13 x 0,90	**1/4 x 0,035**	-	POS	POS	POS	**53.38**
20 x 0,90	**3/4 x 0,035**	-	POS	POS	POS	**55.00**
27 x 0,90	**1.1/16 x 0,035**	POS	POS	POS	POS	**59.33**
34 x 1,10	**1.3/8 x 0,042**	POS	POS*	POS*		**81.15**

***POS**: dinti constanti cu unghi de degajare pozitiv*
****** la cerere*

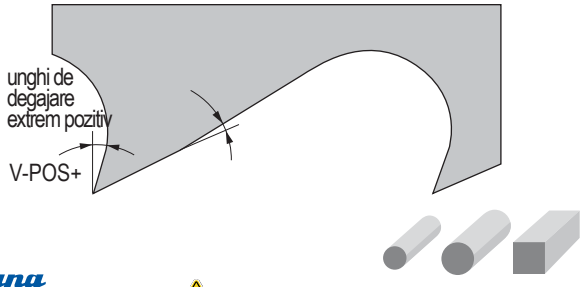
M42 PLUSCUT (M42-434 MASSIVE Proeminent)

Panza panglica pentru taierea aliajelor dure si a materialelor dificile

- *placutele dintilor fabricate din material HSS M42, DIN 1.3247*
- *dinti variabili cu unghi de degajare 0° cu o grupare in set speciala taie chiar si sectiunile cele mai subtiri cu mai putine vibratii*
- *materialele de aschiat scurte sunt taiate fara probleme*
- *benzi de ferastrau viabile la costuri reduse*
- *ideala pentru taierea aliajelor dure si a materialelor dificile*

Domeniu de utilizare:

- *oteluri inoxidabile*
- *bronzuri speciale*
- *aliaje pe baza de cupru*
- *aliaje pe baza de nichel*
- *profile din oteluri de aschiere lungi*
- *aliaje pe baza de titaniu*
- *aliaje exotice, dificil de debitat*
- *materiale solide in sectiuni medii*



Pilana METAL

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch			
		1,4/2	2/3	3/4	
27 x 0,09	**1 x 0,035**	-	V-POS+	V-POS+	**59.33**
34 x 1,10	**1.3/8 x 0,042**	-	V-POS+	V-POS+	**81.15**
41 x 1,30	**1.5/8 x 0,050**	-	V-POS+	V-POS+	**105.85**
54 x 1,60	**2.1/8 x 0,063**	V-POS+	V-POS+	V-POS+	**160.31**

***V-POS+**: dinti variabili cu degajare extern pozitiv*

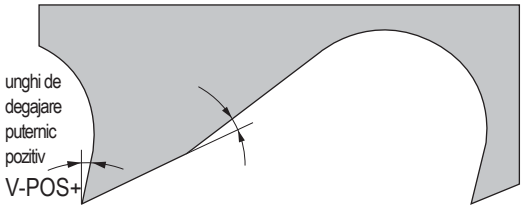
M51 MASSIVE PROFI (M51-531 MASSIVE Profi M 51)

Panza panglica pentru taierea otelurilor dure si aliaje de metale de dimensiuni medii

- *dinti din placute metalice fabricate din HSS M51, DIN 1.3207*
- *dinti variabili pozitivi cu forme speciale*
- *rezistenta marita la temperaturi inalte a placutelor din carbura metalica fabricate din HSS M51 mareste durata de viata in cazul otelurilor dure si problematice*
- *dinti foarte durabili pentru taierea tipurilor de otel dure si aliaje de metale de dimensiuni medii*

Domeniu de utilizare:

- *oteluri cu rezistenta de rupere la tractiune de pana la 1700 N/mm²*
- *oteluri autentice inoxidabile*
- *aliaje pe baza de nichel*
- *titan si bronzuri speciale*
- *material solid de dimensiuni medii*
- *tevi cu pereti grosi*





Pilana METAL

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		1,4/2	2/3	3/4	4/6	
27 x 0,90	**1.1/16 x 0,035**	-	V-POS+	V-POS+	V-POS+	**65.28**
34 x 1,10	**1.3/8 x 0,042**	-	V-POS+	V-POS+	V-POS+	**87.10**
41 x 1,30	**1.5/8 x 0,050**	V-POS+	V-POS+	V-POS+	● V-POS+	**110.90**
54 x 1,60	**2.1/8 x 0,063**	V-POS+	V-POS+	● V-POS+	-	**178.89**
67 x 1,60	**2.5/8 x 0,069**	V-POS+	● V-POS+*	-	-	**197.46**

***V-POS+**: dinti variabili cu degajare extern pozitiv*
***** *la cerere*

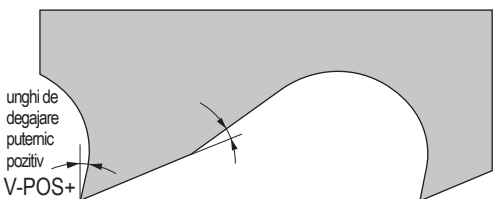
M51 GRINDCUT PROFI (M51-537 MASSIVE Super M 51)

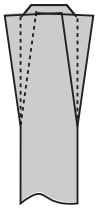
Panza panglica pentru taierea cele mai dure tipuri de otel si aliaje de dimensiuni medii

- *placutele dintilor din borazon fabricate din HSS M51, DIN 1.3207*
- *dinti variabili cu unghi de degajare pozitiv in conexiune cu geometria acestora si o setare variabila a grupului genereaza o distributie a ashiilor superioara*
- *dinti tesiti cu racleta ce ofera ghidare excelenta a benzii la o vibratie mica*
- *duritatea placutelor de aprox. HRC 69 mareste durata de viata pentru o mai buna eficacitate*
- *dinti caliti extrem de rezistenti pentru cele mai dure tipuri de otel si aliaje de dimensiuni medii (dinti slefuiti din borazon)*

Domeniu de utilizare:

- *oteluri cu rezistenta de rupere la tractiune de pana la 1700 N/mm²*
- *oteluri autentice inoxidabile*
- *aliaje pe baza de nichel*
- *materiale solide de dimensiuni medii*







Pilana METAL

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		0,75/1,25	1,4/2	2/3	3/4	
27 x 0,90	**1 x 0,035**	-	-	● V-POS	● V-POS	**83.31**
34 x 1,10	**1.3/8 x 0,042**	-	-	V-POS	V-POS	**105.13**
41 x 1,30	**1.5/8 x 0,050**	-	● V-POS+	V-POS	V-POS	**128.93**
54 x 1,60	**2.1/8 x 0,063**	-	V-POS+	V-POS	● V-POS	**196.92**
67 x 1,60	**2.5/8 x 0,063**	● V-POS+*	V-POS+*	● V-POS	-	**287.21**

***V-POS+**: dinti variabili cu degajare extern pozitiv*
***** *la cerere*



22 2971

Panza panglica din otel carbon

- *corpul panzei panglica si dintii din otel carbon*
- *placutele din carbura metalica intarite de frecventa mare si ajustate la duritatea 64-65 HRC*
- *forma dintilor Standard, Hook si Skip*
- *CS - 100 pentru productie in bucati si aplicatii mai putin costisitoare*

Domeniu de utilizare:

- *tipurile de otel comune cu rezistenta de rupere la tractiune / la intindere 700N/mm²*
- *taiere unitara sau generala*
- *materiale colorate/tratate*
- *material solid de diametru mic, tuburi si profile*

22 2971 - c 125 W STANDARD



Dinte Standard - structuri cu pereti subtiri, placi metalice, taieri de contur in metale si neferoase.

22 2971 - c 125 W HOOK



Dinte Hook - materiale solide, structuri si tuburi de greutate mare, materiale termoplastice , PAL

SKIP



Dinte Skip - materiale plastice dure, placi laminate

Pilana

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune	dinti/inch							
Panze ferastrau panglica din otel carbon STANDARD								
5 x 0,65	-	-	-	-	14	18	-	**29.60**
6 x 0,65	-	-	8	10	14	18	24	**21.30**
8 x 0,65	-	-	-	10	14	18	24	**22.06**
10 x 0,65	-	6	8	10	14	18	24	**22.06**
13 x 0,65	-	6	8	10	14	18	24	**23.56**
16 x 0,80	-	6	8	10	14	18	24	**30.73**
20 x 0,80	-	6	8	10	14	18	-	**34.88**
25 x 0,90	4	6	8	10	14	18	-	**44.11**

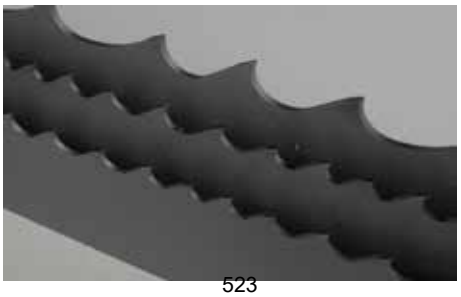
Dimensiune	dinti/inch					
Panze ferastrau panglica din otel carbon HOOK si SKIP						
	Hook			SKIP		
5 x 0,65	-	-	-	-	6	**29.60**
6 x 0,65	3	4	6	4	6	**21.30**
8 x 0,65	-	4	-	-	6	**22.06**
10 x 0,65	3	4	6	4	6	**22.06**
13 x 0,65	3	4	6	4	6	**23.56**
16 x 0,80	3	4	-	4	6	**30.73**
19 x 0,80	3	4	6	4	6	**34.88**
25 x 0,90	3	4	-	4	6	**44.11**

Recomandari pentru selectarea parametrilor de taiere:

1) Selectati marimea corecta a benzii.
2) Selectati forma si pasul corect al dintilor.
3) Selectati viteza de taiere si avansul de taiere din tabelul de recomandari pentru a obtine timpul optim de taiere.

TEVI		MATERIAL PLIN							
Ø 100 x 5t	Ø 50 x 3t 9 Bundel	Ø 50 9 Bundel	Ø 100	Ø 200	Ø 300	Ø 400	Ø 500	Ø 700	Ø 1000
15	40	177	79	314	707	157	1963	3848	7854
									
52~ 78	52~ 78	48~ 72	48~ 72	48~ 72	48~ 72	43~ 65	39~ 58	34~ 51	30~ 44
9~ 13	16~ 24	43~ 65	36~ 54	72~ 108	72~ 108	60~ 91	49~ 73	37~ 56	26~ 38
1,1~ 1,7	1,7~ 2,5	2,7~ 4,1	1,5~ 2,2	2,9~ 4,4	6,5~ 9,8	13,9~ 20,8	26,8~ 40	69~ 103	205~ 30
48~ 71	48~ 71	44~ 66	44~ 66	44~ 66	44~ 66	39~ 59	35~ 52	30~ 45	26~ 38
7~ 11	13~ 19	34~ 50	28~ 42	56~ 84	56~ 84	47~ 71	39~ 58	30~ 45	22~ 32
1,4~ 2,1	2,1~ 3,1	3,5~ 5,3	1,9~ 2,8	3,7~ 5,6	8,4~ 12,6	17,7~ 26,5	34~ 51	85~ 127	242~ 36
43~ 65	43~ 65	40~ 60	40~ 60	40~ 60	40~ 60	35~ 53	31~ 46	26~ 39	22~ 32
6~ 10	11~ 17	24~ 36	20~ 30	40~ 60	40~ 60	34~ 52	29~ 43	23~ 35	18~ 26
1,5~ 2,3	2,3~ 3,5	4,9~ 7,4	2,6~ 3,9	5,2~ 7,9	11,8~ 17,7	24,4~ 37	45~ 68	111~ 166	297~ 44
30~ 45	30~ 45	28~ 42	28~ 42	28~ 42	28~ 42	25~ 38	23~ 34	20~ 30	18~ 26
6~ 9	10~ 16	14~ 27	11~ 23	23~ 46	23~ 46	20~ 40	17~ 35	15~ 25	12~ 20
1,7~ 2,6	2,6~ 3,9	6,5~ 12,9	3,5~ 6,9	6,9~ 13,8	15,5~ 31	31~ 63	57~ 113	154~ 263	385~ 66
29~ 43	29~ 43	24~ 36	24~ 36	24~ 36	22~ 32	19~ 29	17~ 26	-	-
5~ 8	9~ 14	10~ 18	8~ 15	16~ 30	14~ 27	13~ 24	12~ 22	-	-
1,9~ 2,9	2,9~ 4,3	9,8~ 18,4	5,2~ 9,8	10,5~ 19,6	26~ 49	52~ 97	90~ 168	-	-
-	-	-	8~ 18	8~ 18	7~ 16	-		-	-
-	-	-	2~ 9	3~ 15	3~ 14	-	-	-	-
-	-	-	9,2~ 52	20,9~ 105	52~ 262	-	-	-	-







SILVER MATRIX II

Panza panglica pentru debitarea sectiunilor goale, cu pereti subtiri

- *dantura cu unghi de degajare normal*
- *panze folosite la debitarea sectiunilor goale, cu pereti subtiri*
- *proprietati superioare ale marginii de taiere a dintilor in timpul taierii cu vibratii mari, cum ar fi taierea tubulaturii subtire, a sectunilor transversale si a aplicatiilor de taiere materialelor in pachet*

Domeniu de utilizare:

- *oteluri cu continut redus de carbon*
- *oteluri aliate cu duritate medie*
- *oteluri de constructii*





BIPICO

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		Dantura constanta		Dantura variabila		
		TPI (Standard)	TPI (Hook)	TPI (Standard)	TPI (Hook)	
27 x 0,90	**1.1/16 x 0,035**	6, 10, 14	-	-	8/12, 10/14	**65.21**

GOLD M42 PLUS

Panza panglica pentru debitarea profilelor de dimensiuni mari si structurilor pline

- *geometrie a dintelui special conceputa cu unghi de degajare standard.*
- *utilizata pentru taierea profilelor de dimensiuni mari si structurilor pline (cu rezistenta de pana la 35 HRC).*

Domeniu de utilizare:

- *oteluri aliate*
- *oteluri carbon de calitate*
- *oteluri de constructii*
- *oteluri pentru scule*





BIPICO

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		Dantura constanta		Dantura variabila		
		TPI (Standard)	TPI (Hook)	TPI (Standard)	TPI (Hook)	
13 x 0,65	**1/2 x 0,025**	10,14,18,24	-	-	8/12, 10/14	**53.36**
13 x 0,90	**1/2 x 0,035**	10,14,18,	-	-	6/10, 8/12, 10/14	**57.30**
20 x 0,90	**3/4 x 0,035**	6,10,14	-	-	5/8, 6/10, 8/12, 10/14	**59.28**
27 x 0,90	**1 1/16 x 0,035**	6,10,14	-	-	4/6, 5/8, 6/10, 8/12, 10/14	**67.17**

GOLD M42 Extreme

Panza panglica pentru debitarea profilelor de dimensiuni mari si structurilor pline

- *geometrie a dintelui special conceputa cu unghi de degajare pozitiv.*
- *utilizata pentru taierea profilelor de dimensiuni mari si structurilor pline (cu rezistenta de pana la 35 HRC).*

Domeniu de utilizare:

- *oteluri aliate cu duritate medie*
- *oteluri nealiate*





BIPICO

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		Dantura constanta		Dantura variabila		
		TPI (Standard)	TPI (Hook)	TPI (Standard)	TPI (Hook)	
20 x 0,90	**3/4 x 0,035**	-	-	-	4/6	**59.28**
27 x 0,90	**1.1/6 x 0,042**	-	-	-	3/4, 4/6	**67.17**
34 x 1,10	**1.1/3 x 0,042**	-	-	-	3/4, 4/6	**86.94**
41 x 1,30	**1.5/8 x 0,050**	-	-	-	3/4, 4/6	**106.70**

GOLD M42 Flex

Panza panglica pentru taierea tevilor, tuburilor si otelurilor de constructii

- *geometrie a dintelui special conceputa, cu dinte dur pentru absorbtia socurilor la taierile intrerupte*

Domeniu de utilizare:

- *taierea tevilor, tuburilor si otelurilor de constructii*





BIPICO

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		Dantura constanta		Dantura variabila		
		TPI (Standard)	TPI (Hook)	TPI (Standard)	TPI (Hook)	
20 x 0,90	**3/4 x 0,035**	-	-	-	4/6, 5/8	**59.28**
27 x 0,90	**1.1/16 x 0,035**	-	-	-	2/3, 3/4, 4/6, 5/8	**67.17**
34 x 1,10	**1.1/3 x 0,042**	-	-	-	2/3, 3/4, 4/6, 5/8	**86.94**
41 x 1,30	**1.5/8 x 0,050**	-	-	-	2/3, 3/4, 4/6, 5/8	**106.70**

GOLD M42 Premium

Panza panglica pentru taierea in pachet a sectiunilor a materialelor pline si a profilelor

• geometrie a dintelui special conceputa cu unghi de degajare pozitiv, se asigura taierea in pachet a sectiunilor cu mai putine vibratii a materialelor pline si a profilelor.

Domeniu de utilizare:

• oteluri de constructii
• oteluri pentru ambutisare
• oteluri speciale pentru uzinare
• oteluri rapide
• oteluri mediu aliate
• oteluri de nitrurare
• oteluri inoxidabile





BIPICO

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		Dantura constanta		Dantura variabila		
		TPI (Standard)	TPI (Hook)	TPI (Standard)	TPI (Hook)	
20 x 0,90	**3/4 x 0,035**	-	-	-	4/6	**59.28**
27 x 0,90	**1.1/16 x 0,035**	-	-	-	2/3, 3/4, 4/6	**67.17**
34 x 1,10	**1.1/3 x 0,042**	-	-	-	2/3, 3/4, 4/6	**86.94**
41 x 1,30	**1.5/8 x 0,050**	-	-	-	2/3, 3/4, 4/6, 1.4/2	**106.70**
54 x 1,60	**2.5/8 x 0,063**	-	1.25	-	2/3, 3/4, 1.4/2, 0,75/1.25	**211.43**
67 x 1,60	**3.3/16 x 0,63**	-	0.75, 1.25	-	2/3, 1.4/2, 0,75/1.25	**271.95**

GOLD M42 Premium

Panza panglica pentru debitarea blocurilor de materiale si a materialelor pline

• geometrie a dintelui special conceputa cu unghi de degajare puternic pozitiv pentru taieri agresive
• se utilizeaza la debitarea blocurilor de materiale si a materialelor pline

Domeniu de utilizare:

• oteluri pentru ambutisare
• oteluri rapide
• oteluri de cementare
• oteluri de nitrurare
• oteluri pentru scule
• oteluri calite si revenite
• oteluri pentru prelucrare la cald





BIPICO

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		Dantura constanta		Dantura variabila		
		TPI (Standard)	TPI (Hook)	TPI (Standard)	TPI (Hook)	
27 x 0,90	**1.1/16 x 0,035**	-	-	-	2/3, 3/4, 4/6	**67.17**
34 x 1,10	**1.1/3 x 0,042**	-	-	-	2/3, 3/4, 4/6	**86.94**
41 x 1,30	**1.5/8 x 0,050**	-	-	-	2/3, 3/4, 4/6, 1.4/2	**106.70**
54 x 1,60	**2.5/8 x 0,063**	-	1.25	-	2/3, 3/4, 1.4/2, 0.75/1.25	**211.43**
67 x 1,60	**3.3/16 x 0,63**	-	0.75, 1.25	-	2/3, 1.4/2, 0.75/1.25	**271.95**

GOLD M42 Alumina

Panza panglica pentru debitarea profile turnate din aluminiu si alte materiale neferoase / aliaje

• geometrie a dintelui special conceputa cu unghi de degajare puternic pozitiv pentru taieri agresive

Domeniu de utilizare:

• profile turnate din aluminiu si alte materiale neferoase / aliaje

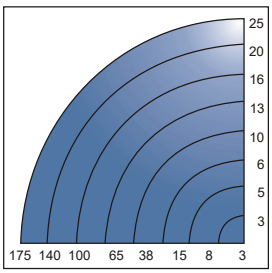




BIPICO

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		Dantura constanta		Dantura variabila		
		TPI (Standard)	TPI (Hook)	TPI (Standard)	TPI (Hook)	
20 x 0,90	**3/4 x 0,035**	-	3,6	-	-	**59.28**
27 x 0,90	**1.1/16 x 0,035**	-	3,6	-	-	**67.17**



Pentru a selecta panza potrivita pentru o operatie de taiere, determinati cel mai mic arc (raza) de taiat si alegeti latimea corespunzătoare a lamei din diagrama de mai sus; cu cat arcul este mai mic, cu atat este mai ingusta panza. Panza panglica pentru metal Bipico este un instrument de inalta calitate, pentru a asigura o performanta optima si o durata de functionare optima, este esential sa selectati panza potrivita.

Dantura constanta - Diametru material solid

6	10	20	30	50	80	100	120	200	300	400	500	800	(m
22	18	14	10	8	6	4	3	2		1,25		0,75	

Dantura — dinti/inch (TPI)

Dantura variabila - Diametru material solid

20	30	50	80	100	200	300	500	800	(mm)
10/14	8/12	6/10	5/8	4/6	4/6	3/4	2/3	1,4/2	0,75/1,25

Dantura — dinti/inch (TPI)

PLATINUM M51 Premium

Panza panglica pentru debitarea sectiunilor pline din materialele enumerate cu duritatea de pana la 45 HRC

• geometrie a dintelui speciala cu unghi de degajare pozitiv, caliatea superioara a materialului folosit M51 (10% cobalt) confera acestor panze o rezistenta deosebita si o capacitate de taiere superioara
• se foloseste pentru debitarea sectiunilor pline din materialele enumerate cu duritatea de pana la 45 HRC

Domeniu de utilizare:

- *oteluri pentru ambutisare*
- *oteluri speciale pentru unzinare*
- *oteluri tratate termic*
- *oteluri de cementare*
- *oteluri rapide*
- *oteluri aliate*
- *oteluri pentru prelucrare la rece*
- *oteluri de nitrurare*
- *oteluri pentru prelucrare la cald*
- *HSS*
- *fonta*
- *oteluri rezistente la temperatura inalta si la rugina*



BIPICO

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		Dantura constanta		Dantura variabila		
		TPI (Standard)	TPI (Hook)	TPI (Standard)	TPI (Hook)	
27 x 0,90	**1.1/16 x 0,035**	-	-	-	2/3, 3/4, 4/6	**82.00**
34 x 1,10	**1.1/3 x 0,042**	-	-	-	2/3, 3/4, 4/6	**106.11**
41 x 1,30	**1.5/8 x 0,050**	-	-	-	2/3, 3/4	**134.35**
54 x 1,60	**2.5/8 x 0,063**	-	-	-	2/3	**241.83**

GOLD M42 Ultima

Panza panglica pentru debitarea sectiunilor pline din materialele enumerate cu duritatea de pana la 45 HRC

• geometrie a dintelui speciala cu unghi de degajare puternic pozitiv pentru taieri agresive, caliatea superioara a materialului folosit M51 (10% cobalt) confera acestor panze o rezistenta deosebita si o capacitate de taiere superioara
• se foloseste pentru debitarea sectiunilor pline din materialele enumerate cu duritatea de pana la 45 HRC

Domeniu de utilizare:

- *oteluri tratate termic*
- *oteluri de cementare*
- *oteluri inalt aliate*
- *oteluri pentru prelucrare la cald*
- *oteluri de nitrurare*
- *oteluri inoxidabile*
- *HSS*
- *fonta*
- *oteluri rezistente la temperatura inalta si la rugina*





BIPICO

Pret fix sudura de la 6 la 41 mm: 9.00 lei fara TVA / sudura

Dimensiune		dinti/inch				
		Dantura constanta		Dantura variabila		
		TPI (Standard)	TPI (Hook)	TPI (Standard)	TPI (Hook)	
34 x 1,10	**1.1/3 x 0,042**	-	-	-	2/3	**100.94**
41 x 1,30	**1.5/8 x 0,050**	-	-	-	2/3	**124.64**
54 x 1,60	**2.5/8 x 0,063**	-	-	-	2/3	**224.34**

WM WM-500

Panza panglica pentru lemn

• panza de fierastrau cu banda din otel german pentru masini mobile oferă durabilitate si performante superioare pentru proiectele dumneavoastră de prelucrare a lemnului
• material: otel german de inalta calitate
• pasul dintilor: forma speciala a dintilor cu pas de 22 mm



wellershaus Maschinenmesser

	Latime	Grosime	TPI	
W3209W22	32	1,1	22	**37.89**
W3509W22	35	1,1	22	**40.53**
W3810W22	38	1,1	22	**43.36**
W4010W22	40	1,1	22	**45.43**
W4011W22	40	1,1	22	**45.43**
W5010W22	50	1,1	22	**47.70**

WM FLX-300 NOU

Panza panglica pentru lemn, placaj, MDF si materiale similare

• panza de fiierastrău cu banda din otel xarbon ofera performanta ridicata si durabilitate pentru proiectele tale de prelucrare a lemnului
• aceste panze speciale, cu varfuri de dinti calite, isi mentin durabilitatea o perioada indelungată în timpul operatiunilor de taiere, ramanand ascutite mai mult timp
• material: otel carbon de inalta calitate
• varfuri de dinti calite prin inductie
• optimizate pentru taieturi precise si curate
• potrivite pentru lemn, placaj, MDF și materiale similare



wellershaus Maschinenmesser

	Latime	Grosime	TPI	
CW1005A5	10	0,5	6	**32.80**
CW1305A5	13	0,5	6	**32.80**
CW1605A6	16	0,5	6	**34.88**
CW2005A6	20	0,65	4	**35.63**
CW2506A8	25	0,9	4	**36.95**
CW3006A8	30	0,9	3	**40.53**

FL-600 NOU

Panza banda pentru alimente, pentru carne, oase si peste

• panzele pentru prelucrare carne, oase si peste ofera o ascutime exceptionala, durabilitate si performanta de lunga durata pentru taierea carnii si oaselor, fiind fabricate din otel Böhler de origine germana
• design: ascutite, ceaprazuite, calite
• forma dintelui: dinte cu spatiu liber (L)
• reduceti timpul de taiere.
• obtineti taieturi mai curate si mai precise

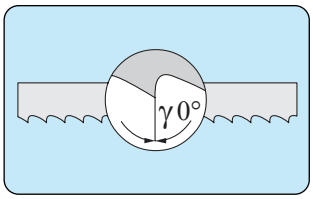


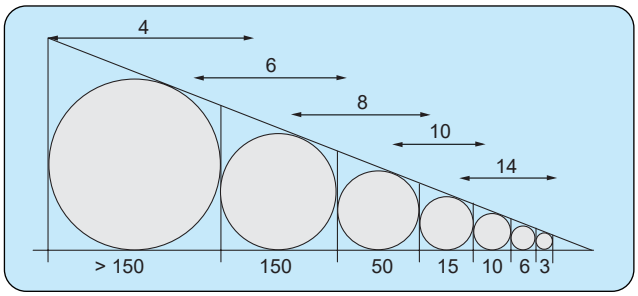
wellershaus Maschinenmesser

	Latime	Grosime	TPI	
FL15045L6	15	0.45	6	**20.20**
FL16060L6	16	0.60	6	**20.20**
FL20060L6	20	0.60	6	**22.36**
FL25060L6	25	0.60	6	**23.44**

Recomandari generale pentru utilizarea panzelor rectilinii pentru debitarea metalelor

Cum sa alegeti tipul de rectilinii corect
Alegerea panzei rectilinii cu numar corect de dinti pe tol depinde de dimensiunile si de tipul materialului debitat





10 dinti/25 mm - taierea materialelor subtiri de toate tipurile, ca de exemplu tuburi, tevi, profile, etc
10 dinti/25 mm - taierea tuturor tipurilor de materiale de dimensiuni mici si medii
6 dinti/25 mm - taierea tuturor tipurilor de material de grosime mai mare
4 dinti/25 mm - taierea materialului moale de grosime mai mare

DINTAREA RECOMANDATA PENTRU 25 MM (TPI) PENTRU FIECARE TIP DE MATERIAL			
Material	Diametrul materialului		
	10 - 30	30 - 100	100 - 250
	Dinti/tol (25 mm)		
Otel pentru masini Fier pentru constructii Otel de stuctura	14 - 8	8 - 6	6 - 4
Otel tratat la temperaturi mari Otel de nitrura	14 - 8	8 - 6	6 - 4
Otel pentru unelte fara aliaj Otel pentru unelte in aliaj	10 - 8	6 - 4	4
Otel pentru arcuri	14 - 8	8 - 6	6 - 4
Otel rezistent la temperature mari Otel inoxidabil	8 - 6	6 - 4	6 - 4
Fier maleabil pana la 200HB Fonta cenusie pana la 200HB	8 - 6	6 - 4	4
Fier de turnatorie	10 - 8	8 - 6	6 - 4
Bronz Dural Aluminiu Alama	6 - 4	6 - 4	6 - 4

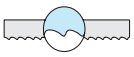
Numarul mic de dinti este potrivit pentru taierea materialelor mai groase iar numarul de dinti mai mare este potrivit pentru taierea profilelor subtiri.

Folosirea corecta a panzelor rectilinii

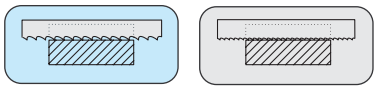
1. Este important sa acordam aceeasi atentie panzelor rectilinii ca si oricaror altor unelte.
2. Mentineti masina intr-o conditie tehnica foarte buna. Este important sa verificati urmatoarele lucruri:
a) bratul rabatabil si functia acestuia sunt in ordine
b) pompa de ulei a bratului rabatabil este curata si fara bule de aer.
3. Tensionati bine panza rectilinie in masina si aranjati-o in pozitia corecta.
4. Tensionati bine materialul de taiat in bucse astfel incat sa taie cat mai multi dinti posibil (cel putin 4, maxim 30).
5. In cazul taierii in pachet (mai multe bucati dintr-o data), asigurati-va ca fiecare bucata este prinsa bine.
6. In timpul taierii corpurilor din metal, asigurati-va ca ati indepartat urmele de praf de pe suprafata acestora folosind o pila bastard sau o perie din otel. Nisipul poate cauza deteriorarea rapida a panzei de ferastrau alternative.
7. Cand porniti masina, coborati rama ferastraului cu grija si modificati presiunea sau micsorati avansul ferastraului pentru primele taieturi (numai cand se utilizeaza o panza noua).
8. Nu folositi o presiune prea mare sau prea mica.
9. Folositi intotdeauna lichid de racire in timpul taierii.
10. Dupa doua sau trei taieri verificati tensiunea panzei.
11. Dupa o anumita perioada de taiere, verificati timpul necesar pentru o singura taiere. In cazul in care acesta este anormal de mare, inlocuiti imediat panza cu una noua.
12. Nu folositi niciodata o panza rectilinie noua in locul unei taieri cu o panza veche. Setarea panzei vechi era deja mai mica iar linia de taiere este prea ingusta pentru panza noua. Este necesara oprirea taierii, inlocuirea materialului taiat si inceperea unei noi taieri.

Defectiuni si cauzele acestora

1. Tocirea rapida



» daca se alege un numar de dinti gresit
» daca panza de ferastrau nu este tensionata cum trebuie
» daca viteza de taiere este prea mare - in special in cazul taierii materialelor dure
» daca presiunea este prea mare - dintii se tocesc foarte repede
» presiunea este insuficienta - dintii razuie dar nu taie materialul
» racirea este insuficienta
» daca apar defectiuni in mecanismul pentru taierea inversa

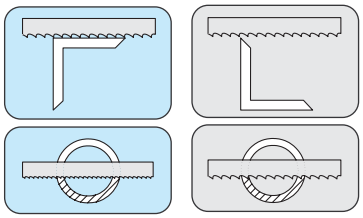


da nu

2. Ruperea dintilor



» pasul dintilor este prea mic (numar de dinti pe 25 mm) in timpul taierii lementelor subtiri
» in cazul taierii varfurilor ascutite sau corpurilor cu pereti subtiri, atunci cand mai putin de 4 dinti taie in acelasi timp
» daca materialul nu este bine intins



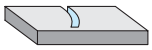
da nu

3. Ruperea panzei de fierastrau



» strangerea nejustificata a panzei de ferastrau in rama masinii
» alegerea gresita a panzei pentru un avans mare
» coborarea neatenta a ramei masinii
» materialul care trebuie taiat nu este intins bine
» folosirea unei panze rectilinii noi pe aceeasi linie de taiere trasata de o panza veche
» agatarea/prinderea materialului la sfarsitul taierii
» lagar defect in masina sau cursa defecta

4. Taierea curbata



» fixarea gresita a panzei in masina
» panza este insuficient tensionata
» materialul este tensionat insuficient
» presiune prea mare si panza aleasa gresit
» puncte dure in interiorul materialului
» masina deficienta - lagar uzat, rama nu este fixata

22 2961

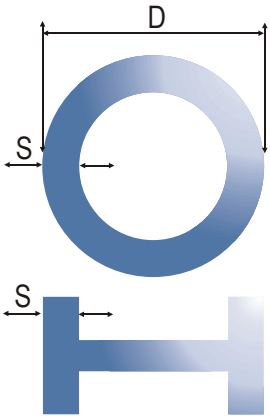
Panze rectilinii HSS

• panzele rectilinii sunt fabricate dintr-un otel suedez foarte eficient, intarit si ajustat pentru a face posibila o performanta de invidiat
• material HSS ABC3
• dinti dispusi alternativ
• folosite pentru taierea otelurilor structurale, otelurilor pentru unelte si a otelurilor rapide, fontelor (de turnatorie), metalelor neferoase, m aterialelor solide, profilelor, tuburilor, metalelor



	L (mm)	H (mm)	S (mm)	TPI	Pret
6113561510	350	32	1,6	10	**59.01**
6114561500	400	32	1,6	6	**68.82**
4004020006	400	40	2,0	6	**101.23**
6114561508	400	32	1,6	8	**68.82**
4004020008	400	40	2,0	8	**101.23**
6115561500	450	32	1,6	6	**74.84**
6115561504	450	32	1,6	4	**74.84**
6115561508	450	32	1,6	8	**74.84**
6115561510	450	32	1,6	10	**74.84**
6115561514	450	32	1,6	14	**74.84**
4504020006	450	40	2,0	6	**107.65**
4504020008	450	40	2,0	8	**107.65**
4504020010	450	40	2,0	10	**107.65**
6116661504	500	40	2,0	4	**118.58**
6116661508	500	40	2,0	8	**118.58**
6116661510	500	40	2,0	10	**118.58**
6116661500	500	40	2,0	6	**118.58**
5505025006	550	50	2,5	6	**198.89**
5505025008	550	50	2,5	8	**198.89**
5505025004	550	50	2,5	4	**198.89**
6117761504	600	50	2,0	4	**192.11**
6117761508	600	50	2,0	8	**192.11**
6117761510	600	50	2,0	10	**192.11**
6117761500	600	50	2,0	6	**192.11**
6118761504	600	50	2,5	4	**192.11**
6118761500	600	50	2,5	6	**192.11**
6118761508	600	50	2,5	8	**192.11**
6505025004	650	50	2,5	4	**244.15**
6505025006	650	50	2,5	6	**244.15**
6505025008	650	50	2,5	8	**244.15**
1610510400	700	50	2,5	6	**295.99**
1610510404	700	50	2,5	4	**295.99**
1610510408	700	50	2,5	8	**295.99**

PENTRU DETERMINAREA PASULUI CORECT AL DINTILOR LA TAIEREA TEVILOR SI PROFILELOR



D (mm) / S (mm)	20	40	60	80	100	150	200	300	500
	Tooth pitch (TPI)								
2	14	14	14	14	10/14	10/14	10/14	10/14	8/12
3	14	10/14	10/14	8/12	8/12	8/12	6/10	6/10	6/10
4	14	10/14	10/14	8/12	8/12	6/10	6/10	5/8	4/6
5	14	10/14	10/14	8/12	6/10	6/10	5/8	4/6	4/6
6	14	10/14	8/12	8/12	6/10	5/8	5/8	4/6	4/6
8	14	8/12	6/10	6/10	6/10	5/8	5/8	4/6	4/6
10		6/10	6/10	5/8	5/8	4/6	4/6	4/6	3/4
12		6/10	5/8	4/6	4/6	4/6	4/6	3/4	3/4
15				4/6	4/6	3/4	3/4	3/4	2/3
20				4/6	4/6	3/4	3/4	3/4	2/3
30				3/4	3/4	3/4	2/3	2/3	2/3
50						2/3	2/3	2/3	1.4/2
75							2/3	1.4/2	1.4/2
100								1.4/2	0.75/1.25
150									0.75/1.25

Panza rectilinie Bi-Metal

• utilizare: diverse materiale, oteluri aliate, oteluri inoxidabile etc., in special otel cu rezistenta la rupere < 1100 N/mm²



BIPICO

	L	H	I	Pas	
4003201606B	400	32	1,60	6 TPI	**47.66**
6004502256B	600	45	2,25	6 TPI	**163.78**
7005002506B	700	50	2,50	6 TPI	**208.89**

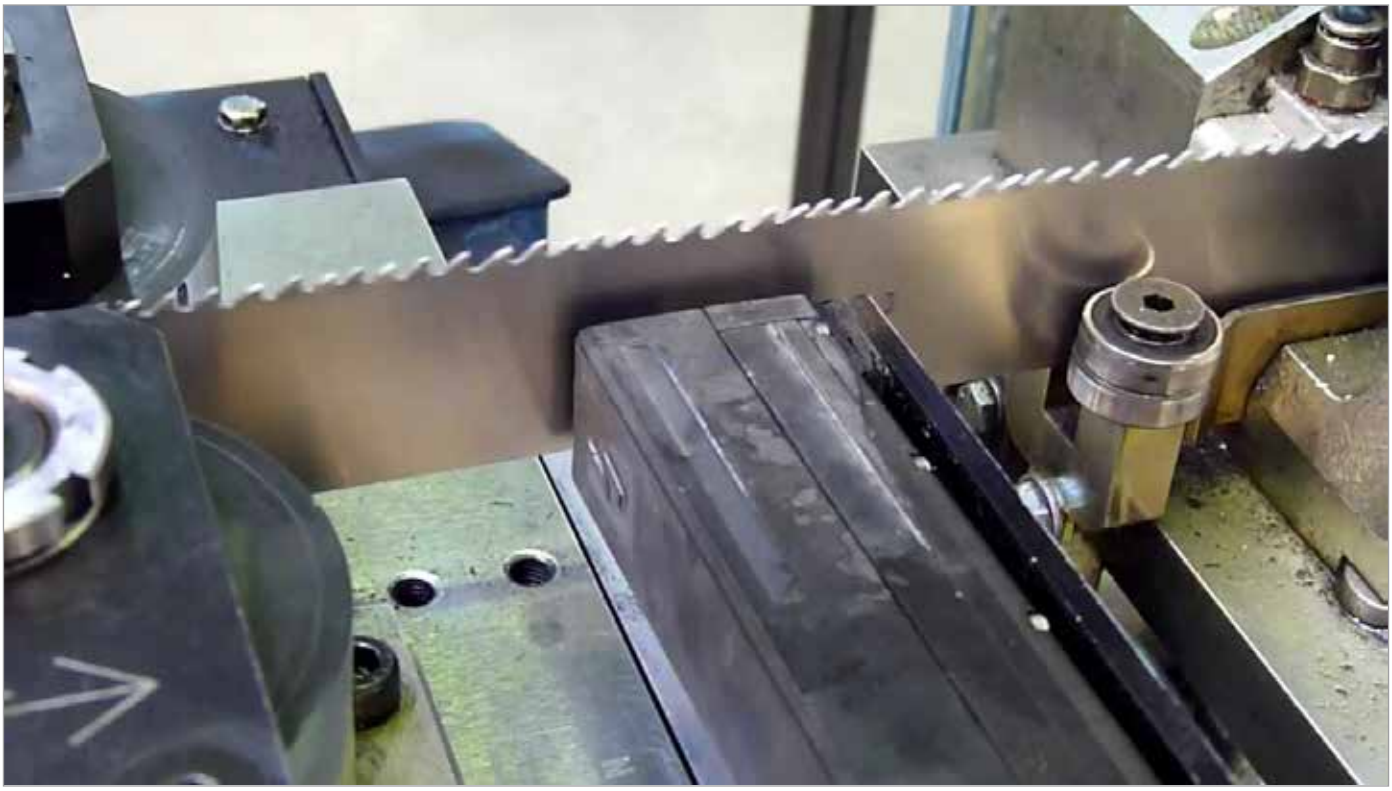
Panza rectilinie HSS

• utilizare: diverse materiale, bare, tevi, diverse profile etc., in special otel cu rezistenta la rupere < 700 N/mm²



BIPICO

	L	H	I	Pas	
4003201606	400	32	1,60	6 TPI	**62.18**
6004502256	600	45	2,25	6 TPI	**187.52**
7505002506	750	50	2,50	6 TPI	**285.58**
9005002506	900	50	2,50	6 TPI	**343.07**





PANZE FIERASTRAU PENDULAR

Fierastraul vertical este astazi unul dintre cele mai utilizate instrumente electrice. WILPU ofera o gama larga de panze pentru fierastrau pentru metale, lemn, materiale plastice si materiale speciale de toate tipurile si dimensiunile.

Fierastraul sabie creste in popularitate la nivel mondial si si-a ocupat locul ca instrument electric esential cu mult timp in urma. WILPU produce una dintre cele mai extinse game de panze de fierastrau alternativ din lume pentru toate aplicatiile.

WILPU® saw blades
KRONUS® Professional Quality
PILANA

Performanta unei lame de fierastrau depinde de calitatea materialului de baza, de tipul de dantura si de geometria dintilor.
Acesti factori garanteaza impreuna cu utilizarea corecta a masinii si a selectiei lamei rezultatul optim in taierea tuturor materialelor.

Calitatea materialului:

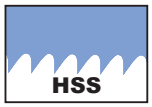


Otel aliat pentru scule



Aliaj din otel pentru scule cu dinti de carbura de tungsten sau cu tais de carbura de tungsten.



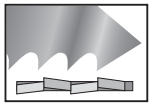


Otel rapid HSS

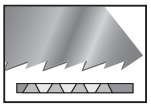


Otel aliat cu dantura diamantata

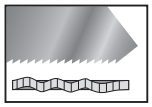
Tipuri de dantura:



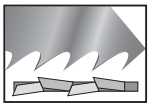
ceaprazuire laterala
taieri grosiere



sectiune trapezoidala, dinti ascutiti in diagonala
taieri de precizie, curate



ceaprazuire ondulata
taieri fine si curate



ceaprazuire laterala, dinti ascutiti in diagonala
taieri rapide, grosiere

Materiale:

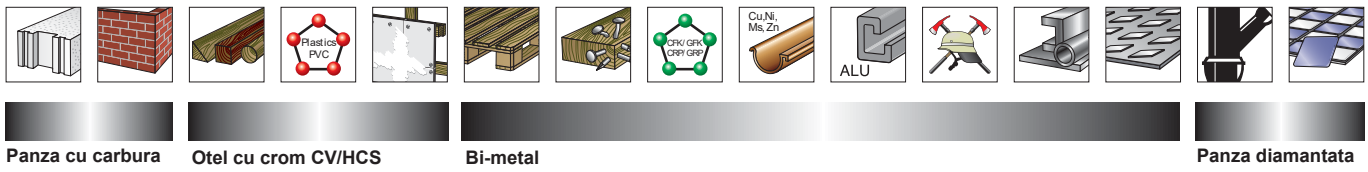
Lemn

Metal

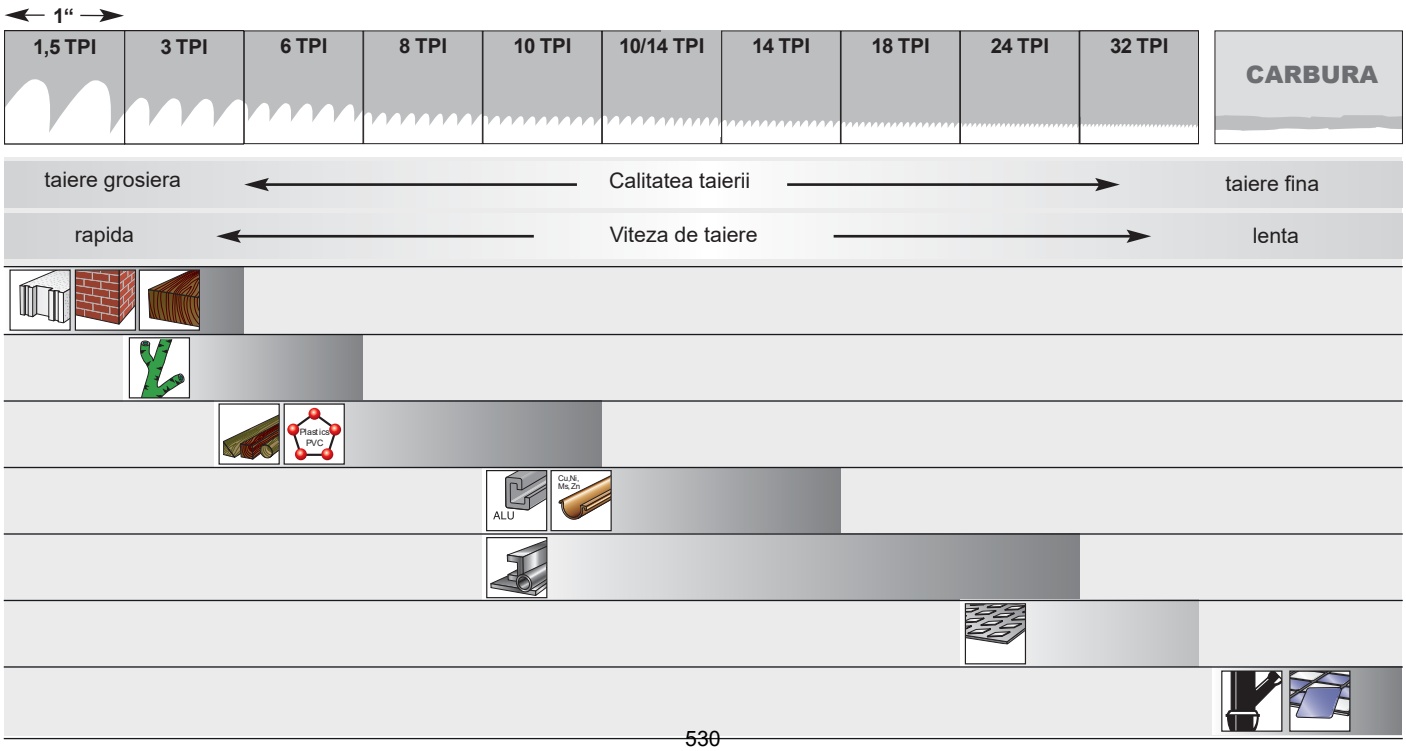
Universal

Special

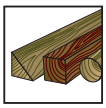
Ghid de selectare al panzei:



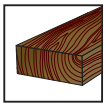
Ghid de selectare al pasului dintilor (TPI):

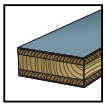


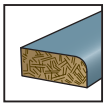
LEGENDA PICTOGRAMELOR

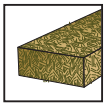

Toate tipurile de lemn


Lemn de esenta moale


Lemn de esenta tare

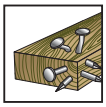

Placi furniruite

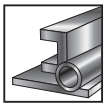

PAL melaminat

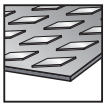

PAL


Parchet laminat

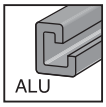

Lemn verde


Lemn cu cuie


Tevi si profile din otel



Tabla



Aluminiu

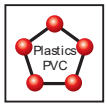


metale neferoase


Fonta



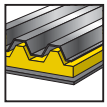
Otel inoxidabil

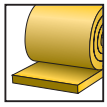


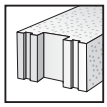
Plastic



Fibra de carbon


Material sandwich


Material izolant


BCA

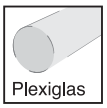

Fibrociment


Polistiren espandat


Gips-carton

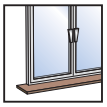


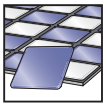
Fibra de sticla



Plexiglas

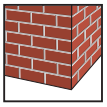

Sticla


Tamplarie PVC


Placi ceramice



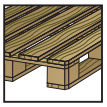
Varicor / Corian


Caramida


Cauciuc


Piele


Gheata / alimente inghetate


Reparare paleti


Carton / hartie

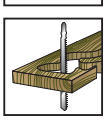

Demolari

CARACTERISTICI


Dantura in revers



Taiere rapida


Taiere curba



Taiere dreapta

Taiere dreapta

Taiere grosiera

Durata lunga de utilizare

Dantura TWINCUT

Potrivit pentru maner Multi-Tool

pentru fierastraie verticale: **AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer**

WILPU	AEG	BOSCH	FESTOOL	LENOX	MAKITA	METABO	MILWAUKEE	Seite/Page
HC19 R bi	373083	T101AIF	—	—	P31566	23948	—	12
HC123	—	T234X	—	—	B50/B-06460	23675	430 141	12
HC19 R	—	T308B	—	—	—	—	—	12
HC12	254061	T101B	S75/2,5	450S	B11/A85634	23634	48-42-5240	12
HC12 bi	373390	T101BF	S75/2,5 bi	—	P31594	23975	48-42-5311	13
HC12 D	373389	—	—	—	—	—	—	13
HC22 DV	—	—	—	—	—	—	430 143	13
HC12 K	373392	T101AO	S50K/1,4	320SC	—	23695	48-42-5385	13
HC12 R	346079	T101BR	—	450SR	B19/A85715	23650	48-42-5540	14
HC12 R bi	—	T101BRF	HS75/2,5 BI R	—	—	23686	—	14
HC32	—	—	—	—	—	—	—	14
HC32 R	348072	—	—	—	—	—	—	14
HC13	—	—	—	—	—	23969	—	15
HC13 bi	—	—	HS75/3 Bi FC	—	—	—	—	15
HC33	399306	T301CD	—	—	B10/A85628	23654	—	15
HC14	274351	T101D	—	456S	B12/A85640	23635	48-42-5500	15
HC14 D	373080	T101DP	S75/4FS	—	—	23655	—	16
HC14 XD BI	—	—	—	—	—	—	—	16
HC34	346071	—	—	—	—	—	—	16
HC34 D	373388	—	—	—	A86290	—	—	16
HG13	254071	T111C	—	410S	B13/A85656	23632	48-42-5220	17
HG13 G	254071	T111C	—	—	B13/A85656	23632	—	17
HGS 14	213116	T144D	S75/4	406S	B16/A85684	23633	48-42-5421	17
HGS 14 bi	373391	T144DF	S75/4BI	—	P31588	23976	48-42-5300	17
HGS 14 D	399237	T144DP	S75/4FSG	—	—	—	—	18
HGS 24	346078	T244D	S75/4K	416SC	B17/A85690	23649	48-42-5512	18
HGS 24 DV	265312	—	—	—	P31572	—	—	18
HGS 34	311633	T344D	S105/4	—	L2/P06454	23678	—	18
HGS 34 bi	—	T344DF	—	—	—	—	—	19
HGS 54	354745	T744D	—	686S	A86315	23603	—	19
HGS 74	—	—	—	—	—	—	—	19
HW12	274353	T119B	—	—	B15/A85678	23631	—	19
HW12 K	274650	T119BO	—	BT 318 SC	B18/A85709	23646	48-42-5640	20
MC12 bi	274651	T101A	—	—	B21/A85721	23640	—	20
MG107	274652	T118G	—	—	B24/A85759	23636	—	20
MG107 bi	—	T118GFS	—	—	—	—	—	20
MG11	254063	T118A	—	—	B22/A85737	23637	—	21
MG11 bi	340011	T118AF	HS60/1,2BI	318S/324S	P47226	23971	48-42-5161	21
MG21	346082	T218A	—	—	B27/A85787	23647	—	21
MG31	399307	T318A	—	—	—	23629	—	21
MG31 bi	274654	T318AF	HS105/1,2BI	518S	P47204	23978	48-42-5166	22
MG51 bi	373086	—	HS155/1,2BI	—	P49644	23604	—	22
MG14 bi	340013	T118EF	HS60/1,4bi	—	—	23972	48-42-5121	22
MG3016 bi	—	T123XF	—	—	—	23676	49-32-430142	22
MG3059 bi	—	T123XF	—	—	—	—	430 142	23
MG1014 bi	—	T111HF	—	340SV	P49622	23949	48-42-5310	23
MGL 1014 bi	—	T345XF	—	—	P49638	23677	—	23
MG12	254064	T118B	—	—	B23/A85743	23638	48-42-5101	23
MG12 bi	340012	T118BF	HS60/2bi	314S	P47232	23973	48-42-5190	23
MG32 bi	274653	T318BF	HS105/2bi	—	P47210	23979	48-42-5192	24
MG52 bi	—	T718BF	—	—	—	623604	—	24
K14	274315	T127D	—	—	B25/A85765	23639	—	24
K14 bi	340014	T345XF	HS75/3bi	—	—	23974	48-42-5850	24
K24	346081	T227D	—	—	B26/A85771	23648	—	25
ST 006 bi	—	—	—	—	P45733	—	—	25
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Lemn Metal Universal Special

HC 19 R BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala, orientare in revers*
- *ideala pentru placi melaminate 2,5-20 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T101 AIF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02104 00005	1,9 mm / 13 tpi	55 mm	80 x 7,9 x 1,27 mm	5	55.41
02104 00025	1,9 mm / 13 tpi	55 mm	80 x 7,9 x 1,27 mm	25	335.77
02104 00011	1,9 mm / 13 tpi	55 mm	80 x 7,9 x 1,27 mm	25 x 5	1678.20

HC 19 R STAR

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala, orientare in revers*
- *ideala pentru lemn moale, PAL, PAL melaminat, parchet, placi multiplex 1,9-40 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T308B

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02106 00002	1,9 mm / 13 tpi	91 mm	117 x 10 x 1,45 mm	2	18.52
02106 00005	1,9 mm / 13 tpi	91 mm	117 x 10 x 1,45 mm	5	55.24
02106 00025	1,9 mm / 13 tpi	91 mm	117 x 10 x 1,45 mm	25	249.83

HC 12 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *ideala pentru toate tipurile de lemn, plastic 3-30 mm*
- *taiere curata*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T101BF

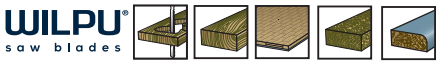
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02111 00005	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,27 mm	5	74.93

HC 22 DV

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curbe si curate*
- *ideala pentru lemn moale, PAL, placi laminate, parchet, PAL melaminat, multiplex 2,5-35 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





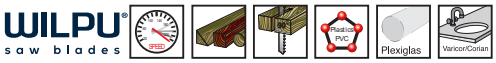
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02176 00002	2,5 mm / 10 tpi	75 mm	100 x 6,5 x 1,45 mm	2	17.86
02176 00005	2,5 mm / 10 tpi	75 mm	100 x 6,5 x 1,45 mm	5	36.21

HC 123 STAR

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti cu tripla ascutire*
- *ideala pentru lemn si plastic 3-60 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T234X

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02105 00002	2,5 mm/10 tpi	91 mm	117 x 10 x 1,45 mm	2	17.52
02105 00005	2,5 mm/10 tpi	91 mm	117 x 10 x 1,45 mm	5	55.07
02105 00025	2,5 mm/10 tpi	91 mm	117 x 10 x 1,45 mm	25	240.15
02105 00011	2,5 mm/10 tpi	91 mm	117 x 10 x 1,45 mm	25 x 5	1205.70

HC 12

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *ideala pentru toate tipurile de lemn, plastic 3-30 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T101B

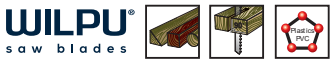
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02110 00002	2,5 mm/10 tpi	75 mm	100 x 7,8 x 1,45 mm	2	14.02
02110 00005	2,5 mm/10 tpi	75 mm	100 x 7,8 x 1,45 mm	5	32.04
02110 00025	2,5 mm/10 tpi	75 mm	100 x 7,8 x 1,45 mm	25	152.53
02110 00099	2,5 mm/10 tpi	75 mm	100 x 7,8 x 1,45 mm	100	579.93

HC 12 D

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *ideala pentru lemn, PAL melaminat, plastic 3-30 mm*
- *taiere dreapta*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





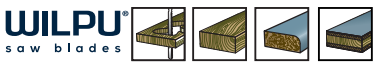
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02112 00005	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,68 mm	5	48.40

HC 12 K

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curbe si curate*
- *ideala pentru lemn moale, placi furniruite, placi melaminate 1,5-15 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T101AO

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02113 00002	1,35 mm / 19 tpi	50 mm	76,5 x 4,5 x 1,25 mm	2	14.02
02113 00005	1,35 mm / 19 tpi	50 mm	76,5 x 4,5 x 1,25 mm	5	32.38

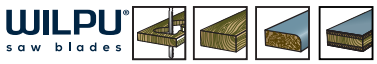
HC 12 K / 100

NOU

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *versiune mai lunga pentru taierea materialelor mai groase de la 1,5 - 30 mm*
- *lama slefuita conic, dintii incrucisati, dinti conici*
- *taieri curbate curbate in lemn de esenta moale, placaj, PAL laminat.*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
02119 00005	1,35 mm / 19 tpi	75 mm	100 x 4,5 x 1,25 mm	5	52.45

HC 12 R

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala, orientare in revers*
- *taieri curate*
- *ideala pentru toate tipurile de lemn si plastic 3-30 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T101BR

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02114 00002	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,45 mm	2	16.02
02114 00005	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,45 mm	5	44.22

HC 12 R BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala, orientare in revers*
- *taieri curate*
- *ideala pentru toate tipurile de lemn si plastic 3-30 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T101BRF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02115 00005	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,27 mm	5	56.57

HC 13

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate si rapide*
- *ideala pentru toate tipurile de lemn si plastic 8-40 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
02140 00002	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,45 mm	2	16.52
02140 00005	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,45 mm	5	44.22

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HC 13 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate si rapide*
- *ideala pentru toate tipurile de lemn si plastic 8-40 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
02141 00005	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,27 mm	5	55.57

HC 14

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate si rapide*
- *ideala pentru toate tipurile de lemn si plastic 10-45 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T101D

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02170 00002	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,45 mm	2	14.35
02170 00005	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,45 mm	5	36.71
02170 00025	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,45 mm	25	163.71
02170 00099	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,45 mm	100	624.32

HC 14 D

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate si drepte*
- *ideala pentru lemn, placi melaminate si plastic 10-45 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T101DP

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02172 00005	4 mm / 6,35 mm	75 mm	100 x 7,8 x 1,68 mm	5	35.05
02172 00020	4 mm / 6,35 mm	75 mm	100 x 7,8 x 1,68 mm	20	174.73

HC 14 XD BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru lemn

- *pentru taieri precise si curbe in lemn 10 - 50 mm*
- *ideala pentru taieri cu bare de ghidaj*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. MAFELL: W1 WOOD

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02173 00002	4 mm / 6,35 mm	75 mm	100 x 8,0 x 2,5 mm	2	93.62
02173 00005	4 mm / 6,35 mm	75 mm	100 x 8,0 x 2,5 mm	5	145.11

HC 32

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate*
- *ideala pentru toate tipurile de lemn si plastic 3-65 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
02120 00005	2,5 mm / 10 tpi	105 mm	132 x 7,8 x 1,45 mm	5	46.39

HC 32 R

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala, orientare in revers*
- *taieri curate*
- *ideala pentru toate tipurile de lemn si plastic 3-65 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
02124 00005	2,5 mm / 10 tpi	105 mm	132 x 7,8 x 1,45 mm	5	46.39

HC 33

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate*
- *ideala pentru toate tipurile de lemn si plastic 8-65 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



Ref. BOSCH: T301CD

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02150 00005	3 mm / 8,5 tpi	105 mm	132 x 7,8 x 1,45 mm	5	64.42

HC 34

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate si drepte*
- *ideala pentru toate tipurile lemn si plastic 10-65 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
02180 00005	4 mm / 6,35 tpi	105 mm	132 x 7,8 x 1,45 mm	5	64.42
02180 00025	4 mm / 6,35 tpi	105 mm	132 x 7,8 x 1,45 mm	25	290.88

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HC 34 D

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate si drepte*
- *ideala pentru lemn moale, placi melaminate si plastic 10-65 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
02182 00005	4 mm / 6,35 tpi	105 mm	132 x 7,8 x 1,45 mm	5	51.57

HG 13

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti ascutiti si ceaprazuiti din lateral*
- *ideala pentru lemn moale si plastic 4-50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



Ref. BOSCH: T111C

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02280 00002	3 mm / 8,5 tpi	75 mm	100 x 9,8 x 1,27 mm	2	12.18
02280 00005	3 mm / 8,5 tpi	75 mm	100 x 9,8 x 1,27 mm	5	23.20
02280 00025	3 mm / 8,5 tpi	75 mm	100 x 9,8 x 1,27 mm	25	124.66
02280 00099	3 mm / 8,5 tpi	75 mm	100 x 9,8 x 1,27 mm	100	473.95

HG 13 G

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti frezati cu ceaprazuire din lateral*
- *ideala pentru lemn moale si plastic 4-50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



Ref. BOSCH: T111C

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02290 00005	3 mm / 8,5 tpi	75 mm	100 x 8,0 x 1,0 mm	5	27.70

HGS 14

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti ascutiti in diagonala si ceaprazuire din lateral*
- *taiere rapida*
- *ideala pentru toate tipurile lemn 5,0-50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



Ref. BOSCH: T144D

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02360 00002	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,27 mm	2	13.18
02360 00005	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,27 mm	5	31.37
02360 00025	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,27 mm	25	139.68
02360 00099	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,27 mm	100	531.53

HGS 14 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru lemn

- *dinti ascutiti in diagonala si ceaprazuiti din lateral*
- *taiere rapida*
- *ideala pentru toate tipurile lemn 5,0-50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T144DF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02361 00005	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,27 mm	5	47.73

HGS 14 D

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti ascutiti in diagonala si ceaprazuiti din lateral*
- *taiere rapida*
- *ideala pentru toate tipurile lemn 10-50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
02362 00005	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,68 mm	5	49.56

HGS 24

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti ascutiti in diagonala si ceaprazuiti din lateral*
- *taiere rapida, curba*
- *ideala pentru toate tipurile lemn 5,0-50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T244D

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02370 00002	4 mm / 6,35 tpi	75 mm	100 x 6,5 x 1,27 mm	2	14.02
02370 00005	4 mm / 6,35 tpi	75 mm	100 x 6,5 x 1,27 mm	5	38.38
02370 00025	4 mm / 6,35 tpi	75 mm	100 x 6,5 x 1,27 mm	25	172.39
02370 00099	4 mm / 6,35 tpi	75 mm	100 x 6,5 x 1,27 mm	100	651.35

HGS 24 DV

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dantura dubla, dinti ascutiti in diagonala si ceaprazuiti din lateral*
- *taiere rapida, curba*
- *ideala pentru toate tipurile lemn 5,0-50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
02376 00005	4 mm / 6,35 tpi	75 mm	100 x 6,5 x 1,27 mm	5	31.88

HGS 34

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti ascutiti in diagonala si ceaprazuiti din lateral*
- *taiere rapida*
- *ideala pentru toate tipurile de lemn 5,0-50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell,Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T344D

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02380 00005	4 mm / 6,35 tpi	105 mm	132 x 7,8 x 1,27 mm	5	59.24

HGS 34 bi

Panza Bimetal pentru fierastrau vertical, prindere T, pentru lemn

- *dinti ascutiti in diagonala si ceaprazuiti din lateral*
- *taiere rapida*
- *ideala pentru toate tipurile de lemn 5,0-120 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T344DF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02381 00005	4 mm / 6,35 tpi	105 mm	132 x 7,8 x 1,27 mm	5	00.00

HGS 54

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti ascutiti in diagonala si ceaprazuiti din lateral*
- *taiere rapida*
- *ideala pentru toate tipurile de lemn 5,0-120 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T744D

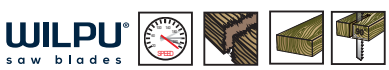
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02390 00005	4 mm / 6,35 tpi	155 mm	180 x 7,8 x 1,27 mm	5	85.28

HGS 74

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti ascutiti in diagonala si ceaprazuiti din lateral*
- *lama foarte lunga si grosa pentru tăieri rapide, drepte, unghiulare precise in lemn (5,0-160 mm)*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T1044DP

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02395 00003	4 mm / 6,35 tpi	205 mm	250 x 19 x 1,27 mm	3	75.10

Lemn Metal Universal Special

HW 12

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru lemn moale si materiale izolante 2,0-15 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T119B

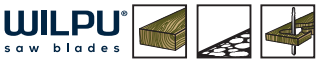
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02410 00005	2 mm / 13 tpi	50 mm	76,5 x 7,8 x 1,0 mm	5	19.19

HW 12 K

Panza HCS/CV pentru fierastrau vertical, prindere T, pentru lemn

- *dinti frezati, ceaprazuire ondulata*
- *taieri curbe*
- *ideala pentru lemn moale si materiale izolante 2,0-15 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T119BO

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02413 00005	2 mm / 13 tpi	50 mm	76,5 x 7,8 x 1,0 mm	5	22.86

MC 12 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru neferoase

- *panza cu sectiune trapezoidala, dinti frezati*
- *ideala pentru plexiglas, policarbonat, metale neferoase, aluminiu 2,0-20 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T101A

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02501 00005	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,27 mm	5	50.23

MG 107

Panza HSS pentru fierastrau vertical, prindere T, pentru metal

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru tabla subtire 0,5-1,5 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T118G

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02520 00005	0,7 mm / 36 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	41.55

Lemn Metal Universal Special

MG 107 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru metal

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru tabla subtire si otel inoxidabil 0,5-1,5 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T118GFS

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02521 00005	0,7 mm / 36 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	39.22

MG 11

Panza HSS pentru fierastrau vertical, prindere T, pentru metal

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru tabla subtire 1,2-2 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T118A

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02550 00002	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	2	13.18
02550 00005	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	28.87
02550 00025	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	25	179.74
02550 00099	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	100	683.06

MG 11 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 1,2-2 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T118AF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02551 00005	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	40.39
02551 00025	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	25	243.82

MG 21

Panza HSS pentru fierastrau vertical, prindere T, pentru metal

- *dinti frezati, ceaprazuire ondulata*
- *taiere curba*
- *ideala pentru tabla subtire si otel 1,2-2 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T218A

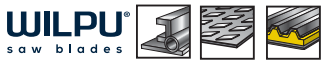
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02560 00005	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	49.56

MG 31

Panza HSS pentru fierastrau vertical, prindere T, pentru metal

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel 1,0-3,0 mm, tevi, profile si material sandwich pana la 80 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T318A

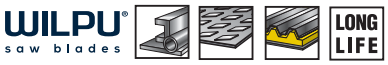
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02570 00002	1,0 mm / 25 tpi	105 mm	132 x 9,8 x 1,0 mm	2	**26.37**
02570 00005	1,0 mm / 25 tpi	105 mm	132 x 9,8 x 1,0 mm	5	**70.43**

MG 31 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel 1,0-3,0 mm, tevi, profile si material sandwich pana la 80 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T318AF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02571 00002	1,0 mm / 25 tpi	105 mm	132 x 9,8 x 1,0 mm	2	**26.87**
02571 00005	1,0 mm / 25 tpi	105 mm	132 x 9,8 x 1,0 mm	5	**86.11**

MG 51 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru material sandwich

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru material sandwich 1,5-120 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
02575 00005	1,0 mm / 25 tpi	155 mm	180 x 9,8 x 1,0 mm	5	**84.11**

MG 14 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 1,5-2,2 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T318A

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02581 00005	1,4 mm / 18 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	**56.24**

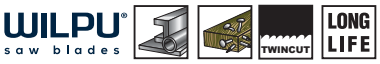
Lemn Metal Universal Special

MG 3016 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru lemn cu cuie

- *panza flexibila, dinti frezati, ceaprazuire ondulata, Twin-Cut*
- *ideala pentru otel 2,5-10 mm, lemn cu cuie <50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T123XF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02641 00005	1,3-2,0 mm/13-19 tpi	91 mm	116 x 9,8 x 1,0 mm	5	**64.58**

MG 3059 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru metal

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel 2,5-10 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T123XF

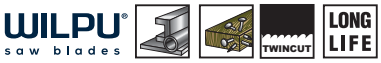
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02642 00005	1,1-1,7 mm/15/23 tpi	75 mm	100 x 9,8 x 1,0 mm	5	**64.58**

MG 1014 BI

Panza HSS pentru fierastrau vertical, prindere T, pentru metal

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru tabla subtire 1,2-2 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T345XF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02621 00005	1,8-2,5 mm/14-10 tpi	75 mm	100 x 9,8 x 1,0 mm	5	**50.90**
02631 00005	1,8-2,5 mm/14-10 tpi	91 mm	132 x 9,8 x 1,0 mm	5	**69.42**

MG 12

Panza HSS pentru fierastrau vertical, prindere T, pentru neferoase

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel, metale neferoase, aluminiu 2,5-6,0 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T118B

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02650 00002	2 mm / 13 tpi	55 mm	76,5 x 7,8 x 1,0 mm	2	**12.68**
02650 00005	2 mm / 13 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	**41.22**
02650 00025	2 mm / 13 tpi	55 mm	76,5 x 7,8 x 1,0 mm	25	**186.08**

MG 12 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru metale feroase si neferoase

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel, otel inoxidabil, metale neferoase, aluminiu 2,5-6,0 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T118BF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02651 00005	2 mm / 13 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	40.39

MG 32 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru metale feroase si neferoase

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel 2,5-6,0 mm, tevi, profile si material sandwich pana la 80 mm,*
- *metale neferoase*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T318BF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02671 00002	1,0 mm / 25 tpi	105 mm	132 x 9,8 x 1,0 mm	2	22.36
02671 00005	1,0 mm / 25 tpi	105 mm	132 x 9,8 x 1,0 mm	5	64.08

MG 52 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru materiale sandwich

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru material sandwich pana la 120 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T718BF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02675 00005	2 mm / 12 tpi	155 mm	180 x 9,8 x 1,0 mm	5	84.11

MG 71 BI

NOU

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru materiale sandwich

- *versiune mai lunga si mai lata pentru taierea materialelor sandwich de la 1,5 - 160 mm*
- *dinți frezati si asezati ondulati. Lama speciala lunga, lata si flexibila pentru constructia fatadelor*
- *durata lunga de viata*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T718BF

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02586 00003	1 mm / 25 tpi	215 mm	250 x 19 x 0,9 mm	3	99.08

Lemn Metal Universal Special

K 14

Panza HSS pentru fierastrau vertical, prindere T, pentru metale neferoase

- *dinti frezati, ceaprazuire din lateral*
- *ideala pentru metale neferoase si aluminiu 3,0-15 mm, otel 3,0-30 mm, plastic*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T127D

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02760 00005	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,0 mm	5	45.23
02760 00099	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,0 mm	100	732.29

K 14 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, pentru metale neferoase

- *panza flexibila, dinti frezati, ceaprazuire din lateral*
- *ideala pentru metale neferoase si aluminiu 3,0-15 mm, otel 3,0-30 mm, plastic*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
02761 00005	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,0 mm	5	43.22

K 24

Panza HSS pentru fierastrau vertical, prindere T, pentru metale neferoase

- *dinti frezati, ceaprazuire din lateral*
- *taiere curba*
- *ideala pentru metale neferoase si aluminiu 3,0-15 mm, otel 3,0-30 mm, plastic*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T227D

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02780 00005	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,0 mm	5	41.39

ST 006 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, multimaterial

- *taiere in ambele directii*
- *taiere rapida si precisa*
- *recomandata pentru otel de pana la 1/16" si alte materiale*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
02800 00002	dantura-M	75 mm	100 x 9,8 x 1,0 mm	2	37.88
02800 00005	dantura-M	75 mm	100 x 9,8 x 1,0 mm	5	91.29

STL 007 BI

Panza Bi-Metal pentru fierastrau vertical, prindere T, multimaterial

- *dantura patentata "M" pentru inalta performanta*
- *taiere in ambele directii*
- *taiere rapida si precisa*
- *recomandata pentru otel de pana la 1/16" si alte materiale*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
02805 00005	dantura-M	105 mm	133 x 9,6 x 1,27 mm	5	97.96

HM 33

Panza T.C.T. pentru fierastrau vertical, prindere T, multimaterial

- *dantura cu carbura*
- *recomandata pentru fibra de sticla, epoxy, Varicor, Corian < 65 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T301CHM

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02595 00002	3,3 mm / 13 tpi	91 mm	116 x 10 x 1,25 mm	2	154.54

HWL 100

Panza HCS/CV pentru fierastrau vertical, prindere T, cauciuc si piele

- *lama cu dantura ondulata*
- *ideala pentru cauciuc moale, piele, plastic, materiale izolante 1,0-50 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T113A

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02850 00002	ondulata	75 mm	100 x 9,7 x 1,27 mm	2	28.04
02850 00005	ondulata	75 mm	100 x 9,7 x 1,27 mm	5	65.92

HWL 54

Panza HCS/CV pentru fierastrau vertical, prindere T, cauciuc si piele

- *lama cu dantura ondulata*
- *ideala pentru cauciuc, piele, plastic, materiale izolante, carton, covoare, spuma artificiala 1,0-120 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T313AW

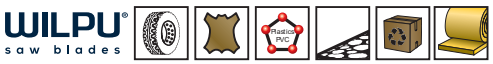
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02851 00005	ondulata	155 mm	180 x 9,7 x 1,27 mm	5	150.70

HWL 74

Panza HCS/CV pentru fierastrau vertical, prindere T, cauciuc si piele

- *lama cu dantura ondulata*
- *ideala pentru cauciuc moale, piele, plastic, materiale izolante 1,0-160 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T1013AWP

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02853 00003	ondulata	205 mm	250 x 19 x 1,27 mm	3	213.95

D 1

Panza HM pentru fierastrau vertical, prindere T, pentru sticla si ceramica

- *panza cu carbura grosiera*
- *ideala pentru sticla, placi ceramice, produse ranforsate cu fibra de sticla 5,0-15 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool*





Ref. BOSCH: T130Riff

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02880 00003	-	54 mm	79 x 8,8 x 2,3 mm	3	63.25

D 2

Panza HM pentru fierastrau vertical, prindere T, sticla si ceramica

- *panza cu carbura fina*
- *ideala pentru sticla, placi ceramice, produse ranforsate cu fibra de sticla 5,0-15 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T150Riff

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02885 00003	-	54 mm	79 x 8,8 x 2,3 mm	3	107.14

HM 11

Panza HM pentru fierastrau vertical, prindere T, pentru metal

- *dinti cu carbura*
- *ideala pentru otel, tabla, otel inoxidabil 1,5-3,0 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T118AHM

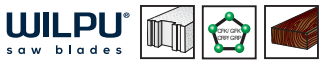
	TPI	Lungime taiere	Dimensiuni	Ambalare	
02555 00002	1,1 mm	50 mm	79 x 8,8 x 2,3 mm	2	84.52

HM 100

Panza HM pentru fierastrau vertical, prindere T, multimaterial

- *dinti cu carbura tungsten*
- *ideala pentru produse ranforsate cu fibra de sticla, lemn dur, BCA 5.0 - 20 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T141HM

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02890 00001	4,2 mm	75 mm	100 x 7,8 x 1,9 mm	1	78.44

HM 132

Panza HM pentru fierastrau vertical, prindere T, multimaterial

- *dinti cu carbura tungsten*
- *ideala pentru produse ranforsate cu fibra de sticla, lemn dur, BCA 5.0 - 80 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T341HM

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02895 00001	4,2 mm	100 mm	132 x 7,8 x 1,9 mm	1	99.80

DT 1

Panza diamantata pentru fierastrau vertical, prindere T, pentru sticla si placi ceramice

- *dantura diamantata grosiera*
- *ideala pentru CRP/GRP, marmura, placi ceramice 5,0-20 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T130GD

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02900 00001	DIAMANT	75 mm	100 x 9 x 1,3 mm	1	449.76

DT 2

Panza diamantata pentru fierastrau vertical, prindere T, pentru sticla si placi ceramice

- *dantura diamantata fina*
- *ideala pentru CRP/GRP, marmura, placi ceramice 5,0-20 mm*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





Ref. BOSCH: T130GD

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02905 00001	DIAMANT	75 mm	100 x 9 x 1,3 mm	1	449.76

Lemn Metal Universal Special

Set 10 panze pentru fierastrau vertical, pentru metal

- *componenta: 3 x MG 11, 3 x MG 12, 1 x K14, 1 x K 24, 2 x MG 1014 BI*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



	Ambalare	
02967 00010	1	74.76

Set 10 panze pentru fierastrau vertical, pentru lemn

- *componenta: 4 x HGS 14, 2 x HC 12, 2 x HG 13, 1 x HGS 24, 1 x HC 12 R*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



	Ambalare	
02966 00010	1	58.61

Set 10 panze pentru fierastrau vertical pentru lemn si metal

- *componenta: 3 x HGS 14, 3 x HW 12, 2 x HGS 24, 2 x MG 11*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



	Ambalare	
02968 00010	1	54.74

SET 2000

Set 5 panze pentru fierastrau vertical, prindere T, pentru lemn si metal

- *setul include 3 panze pentru lemn si 2 pentru metal*
- *componenta: HC 12, HG 13, HGS 14, MG 11, MG 12*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



	Ambalare	
02860 00005	1	47.06

02991 00000

Expozitor panze pentru fierastrau vertical, prindere T, pentru lemn si plastic

• *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU® saw blades

Articol	TPI	Lungime taiere	Dimensiuni	Ambalare	
5 x HC 12	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,45 mm	5	**4048.64**
5 x HC 12 R	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,45 mm	5	
5 x HC 14	4,0 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,45 mm	5	
5 x HC 14 D	4,0 mm / 6,35 tpi	75 mm	100 x 4,7 x 1,72 mm	5	
5 x HC 12 K	1,35 mm / 19 tpi	50 mm	76,5 x 4,7 x 1,25 mm	5	
5 x HC 13 Bi	3,0 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,27 mm	5	
5 x HC 123	2,5 mm / 10 tpi	91 mm	117 x 10 x 1,35 mm	5	
5 x HC 19 R Bi	1,9 mm / 13 tpi	50 mm	80 x 7,9 x 1,27 mm	5	
5 x HC 32	2,5 mm / 10 tpi	105 mm	132 x 7,8 x 1,45 mm	5	
5 x HC 34	4,0 mm / 6.35 tpi	105 mm	132 x 7,8 x 1,45 mm	5	
5 x HGS 14	4,0 mm / 6.35 tpi	75 mm	100 x 7,8 x 1,27 mm	5	
5 x HGS 24	4,0 mm / 6.35 tpi	75 mm	100 x 6,5 x 1,27 mm	5	
5 x HGS 34	4,0 mm / 6.35 tpi	105 mm	132 x 7,8 x 1,27 mm	5	
5 x HGS 54	4,0 mm / 6.35 tpi	155 mm	180 x 7,8 x 1,27 mm	5	
5 x set 10 panze				10	

02992 00000

Expozitor panze pentru fierastrau vertical, prindere T, pentru metal

• *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU® saw blades

Articol	TPI	Lungime taiere	Dimensiuni	Ambalare	
5 x MG 11	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	**5244.37**
5 x MG 11 Bi	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	
5 x MG 12	2,0 mm / 13 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	
5 x MG 12 Bi	2,0 mm / 13 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	
5 x MG 21	1,2 mm / 21 tpi	55 mm	76,5 x 6,4 x 1,0 mm	5	
5 x MG 107	0,7 mm / 36 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	
5 x MG 1014 Bi	1,8-2,5 mm/ 0-14 tpi	75 mm	100 x 9,8 x 1,0 mm	5	
5 x MG 31 Bi	1,0 mm / 25 tpi	105 mm	132 x 9,8 x 1,0 mm	5	
5 x MG 32 Bi	2,0 mm / 13 tpi	105 mm	132 x 9,8 x 1,0 mm	5	
5 x MG 51 Bi	1,0 mm / 25 tpi	155 mm	180 x 9,8 x 1,0 mm	5	
5 x K 14	3,0 mm / 8.5 tpi	75 mm	100 x 7,8 x 1,0 mm	5	
5 x K 14 Bi	3,0 mm / 8.5 tpi	75 mm	100 x 7,8 x 1,0 mm	5	
5 x K 24	3,0 mm / 8.5 tpi	75 mm	100 x 6,5 x 1,0 mm	5	
5 x HM 11	1,1 mm / 20 tpi	50 mm	76,5 x 8,0 x 1,0 mm	5	
5 x set 10 panze				10	

02993 00000

Expozitor panze pentru fierastrau vertical, prindere T, pentru metal si lemn

• *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU® saw blades

Articol	TPI	Lungime taiere	Dimensiuni	Ambalare	
5 x HC 12	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,45 mm	5	**5244.37**
5 x HC 12 R	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,45 mm	5	
5 x HC 14	4,0 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,45 mm	5	
5 x HC 123	2,5 mm / 10 tpi	91 mm	117 x 10 x 1,35 mm	5	
5 x HC 19 R Bi	1,9 mm / 13 tpi	50 mm	80 x 7,9 x 1,27 mm	5	
5 x HC 32	2,5 mm / 10 tpi	105 mm	132 x 7,8 x 1,45 mm	5	
5 x HGS 14	4,0 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,27 mm	5	
5 x HGS 24	4,0 mm / 6,35 tpi	75 mm	100 x 6,5 x 1,27 mm	5	
5 x HGS 34	4,0 mm / 6,35 tpi	105 mm	132 x 7,8 x 1,27 mm	5	
5 x MG 11	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	
5 x MG 11 Bi	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	
5 x MG 12	2,0 mm / 13 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	
5 x MG 1014 Bi	1,8-2,5 / 10-14 tpi	75 mm	100 x 9,8 x 1,0 mm	5	
5 x K 14	3,0 mm / 8.5 tpi	75 mm	100 x 7,8 x 1,0 mm	5	
5 x SET 2000				5	

UHC 12

Panza HCS/CV pentru fierastrau vertical, prindere U, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate*
- *ideala pentru toate tipurile de lemn, plastic 3,0-30 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*



Ref. B&D A5035/5041

	TPI	Lungime taiere	Dimensiuni	Ambalare	
04110 00002	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,27 mm	2	14.35
04110 00005	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,27 mm	5	44.22

UHC 12 R

Panza HCS/CV pentru fierastrau vertical, prindere U, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala, ascutire in revers*
- *taieri curate*
- *ideala pentru toate tipurile de lemn, plastic 3,0-30 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
04114 00005	2,5 mm / 10 tpi	75 mm	100 x 7,8 x 1,27 mm	5	44.22

UHC 14

Panza HCS/CV pentru fierastrau vertical, prindere U, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate*
- *ideala pentru toate tipurile de lemn, plastic 10-45 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*



Ref. B&D A5037/5036

	TPI	Lungime taiere	Dimensiuni	Ambalare	
04170 00002	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,27 mm	2	14.35
04170 00005	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,27 mm	5	44.22

UHG 13

Panza HCS/CV pentru fierastrau vertical, prindere U, pentru lemn

- *dinti ascutiti si ceaprazuiti din lateral*
- *ideala pentru lemn moale, plastic 4,0-50 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
04280 00002	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,0 mm	2	10.68
04280 00005	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,0 mm	5	25.20

UHGS 14

Panza HCS/CV pentru fierastrau vertical, prindere U, pentru lemn

- *dinti ascutiti in diagonala si ceaprazuiti din lateral*
- *taiere rapida*
- *ideala pentru toate tipurile de lemn 5,0-50 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
04360 00005	4 mm / 6,35 tpi	75 mm	100 x 7,8 x 1,27 mm	5	32.54

UHC 32

Panza HCS/CV pentru fierastrau vertical, prindere U, pentru lemn

- *panza cu sectiune trapezoidala, dinti ascutiti in diagonala*
- *taieri curate*
- *ideala pentru toate tipurile de lemn, plastic 3,0-65 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
04120 00002	2,5 mm / 10 tpi	105 mm	132 x 7,8 x 1,27 mm	2	20.69
04120 00005	2,5 mm / 10 tpi	105 mm	132 x 7,8 x 1,27 mm	5	46.39

UMG 11

Panza HSS pentru fierastrau vertical, prindere U, pentru metal

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru tabla, otel si otel inoxidabil 1,2-2,0 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*



Ref. B&D A5039

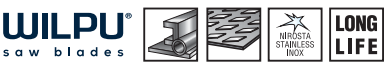
	TPI	Lungime taiere	Dimensiuni	Ambalare	
04550 00005	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	31.21

UMG 11 BI

Panza Bi-Metal pentru fierastrau vertical, prindere U, pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 1,2-2,0 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
04551 00002	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	2	20.53
04551 00005	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	40.39

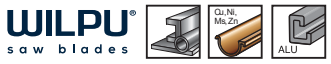
Lemn Metal Universal Special

UMG 12

Panza HSS pentru fierastrau vertical, prindere U, pentru metal

- *dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel, metale neferoase, aluminiu 2,5-6,0 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*





Ref. B&D 5034

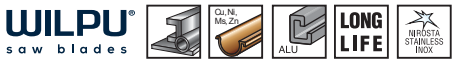
	TPI	Lungime taiere	Dimensiuni	Ambalare	
04650 00005	2 mm / 13 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	31.21

UMG 12 BI

Panza Bi-Metal pentru fierastrau vertical, prindere U, pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel, otel inoxidabil, metale neferoase, aluminiu 2,5-6,0 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*





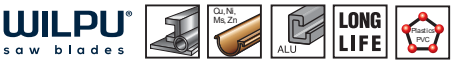
	TPI	Lungime taiere	Dimensiuni	Ambalare	
04651 00005	2 mm / 13 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	40.22

UK 14 BI

Panza Bi-Metal pentru fierastrau vertical, prindere U, pentru metal

- *panza flexibila, dinti frezati, ceaprazuire din lateral*
- *ideala pentru otel, metale neferoase, aluminiu, plastic pana la 30 mm*
- *fierastraie: Black & Decker, Skil, Ryobi*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
04761 00005	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,0 mm	5	56.35

35 BI

Panza Bi-Metal pentru fierastrau vertical, prindere Fein, pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 1,2-2,0 mm*
- *fierastraie: Fein AST(e) 636, 638; MOt 6-17-1*





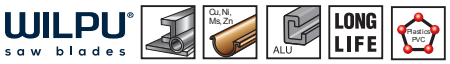
	TPI	Lungime taiere	Dimensiuni	Ambalare	
06551 00005	1,2 mm / 21 tpi	55 mm	76,5 x 7,8 x 1,0 mm	5	56.07

39 BI

Panza Bi-Metal pentru fierastrau vertical, prindere Fein, pentru metal

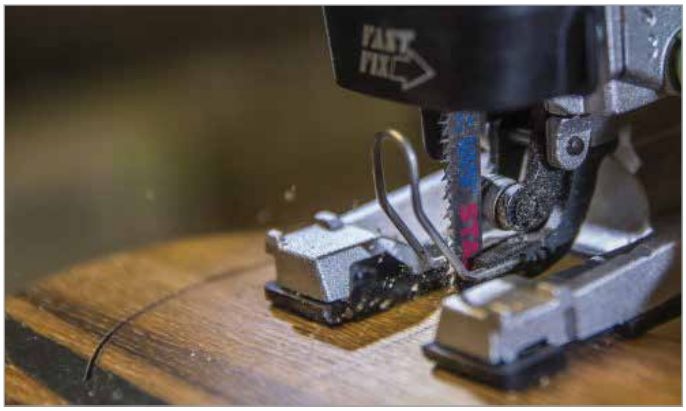
- *panza flexibila, dinti frezati, ceaprazuire din lateral*
- *ideala pentru otel, metale neferoase, aluminiu, plastic 3,0-30 mm*
- *fierastraie: Fein AST(e) 636, 638; MOt 6-17-1*





Ref. Fein 63503039010
Ref. Fein 63503088011

	TPI	Lungime taiere	Dimensiuni	Ambalare	
06761 00005	3 mm / 8,5 tpi	75 mm	100 x 7,8 x 1,0 mm	5	59.74



Ghid de selectare a lungimii panzei de fierastrau

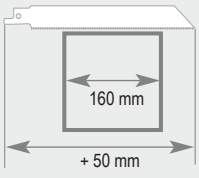
Mentineti intotdeauna 2-3 dinti de taiere in material.





Latimea materialului + 50 mm = lungimea panzei
exemplu:
Teva 80 mm + 50 mm = 130 mm
Alegeti o panza de fierastrau cu lungimea de 150 mm.





Latimea materialului + 50 mm = lungimea panzei
exemplu:
lungime material 160 mm + 50 mm = 210 mm
Alegeti o panza de fierastrau cu lungimea de 225 mm.



Durata de utilizare mai lunga prin utilizarea corecta a lichidelor de racire



Lichid de racipre special pentru otel inoxidabil: continut se ESP



Ulei de racire pentru taire



Ulei pe baze de terebentina



Apa

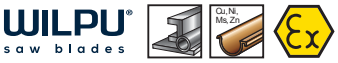


Utilizari ochelari de protectie

Panze pentru fierastraie verticale antiex

- *pentru otel si metale neferoase*
- *fierastraie: Fein AStx(e) 649; MOt 6-18-1; Spitznas*



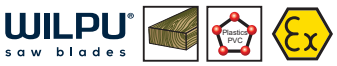


Articol		Material	TPI	Dimensiune	Ambalare	
66	**08066 00000**	HSS	1,6 mm / 16 tpi	200 x 25 x 1,5 mm	1	**55.07**
63	**08063 00000**	HSS	1,6 mm / 16 tpi	300 x 25 x 1,5 mm	1	**72.60**
64/1	**08164 00000**	HSS	1,6 mm / 16 tpi	400 x 25 x 1,5 mm	1	**148.53**
72/1	**08172 00000**	HSS	1,8 mm / 14 tpi	500 x 25 x 1,5 mm	1	**156.87**
72/2	**08272 00000**	HSS	1,8 mm / 14 tpi	500 x 25 x 2,0 mm	1	**168.72**
69	**08069 00000**	HSS	1,8 mm / 14 tpi	530 x 28 x 1,5 mm	1	**143.35**
73	**08073 00000**	HSS	1,8 mm / 14 tpi	600 x 28 x 2,0 mm	1	**194.76**

Panze pentru fierastraie verticale antiex

- *pentru lemn si plastic*
- *fierastraie: Fein AStx(e) 649; MOt 6-18-1; Spitznas*





Articol		Material	TPI	Dimensiune	Ambalare	
81	**08081 00000**	HSS	4,2 mm / 6 tpi	700 x 28 x 2,0 mm	1	**245.66**

Panze pentru fierastraie verticale antiex

- *pentru BCA*
- *fierastraie: Fein AStx(e) 649; MOt 6-18-1; Spitznas*





Articol		Material	TPI	Dimensiune	Ambalare	
40	**08040 00000**	HSS	6,35 mm / 4 tpi	530 x 25 x 1,5 mm	1	**122.16**

pentru fierastraie orizontale: **AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer**

Lista de referinta

WILPU	AEG	BOSCH	DEWALT	LENOX	MAKITA	METABO	MILWAUKEE	Seite/Page
3020/150	318127	S811H	DW4806	–	P05000	–	–	42
3021/150	323800	S644D	DT2351	656R	P47086	31470	48-00-1075	42
3021/225	–	–	DW4803	956R	P47092	–	–	42
3021/300	323802	S1344D	DW4804	156R	P05016	31472	48-00-1079	42
3021/400	–	–	–	–	–	–	–	42
3021/150 bi	354775	S611DF	–	656R	P05088	–	48-00-5035	43
3021/225 bi	354777	S1111DF	DT2363	956R	–	–	48-00-5036	43
3021/300 bi	354778	S1411DF	–	156R	–	–	48-00-5037	43
3022/150	323801	S744D	–	676RC	P05022	–	48-00-1076	43
3023/150	–	–	–	–	P47101	–	–	43
3023/240	–	S2345X	–	–	–	31913	–	43
3025/100	–	S528DF	–	–	–	–	–	44
3025/150	354780	S628DF	DW4851	–	–	–	48-00-5052	44
3025/300	–	–	–	–	–	–	–	44
3029/150	–	–	–	–	–	–	–	44
3029/240	323803	S1531L	DT2349	–	P47117	31488	48-00-1077	44
3019/150	–	–	–	–	P04999	–	–	44
3019/225	–	–	–	–	–	–	–	44
3019/225 PC	–	–	–	–	–	–	–	45
3019/150 bi	–	–	–	606R	–	–	–	45
3030/225	–	S1111K	–	–	–	28244	–	45
3030/300	–	S1617K	–	–	–	28242	–	45
3035/240	323804	S1542K	–	–	P47123	31490	48-00-1078	46
3026/275	–	–	–	–	–	–	49-32-471693	47
3026/370PC	–	–	–	–	–	–	–	47
3027/230	–	–	–	–	–	–	–	47
3028/230	–	–	–	–	–	–	–	48

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WILPU	AEG	BOSCH	DEWALT	LENOX	MAKITA	METABO	MILWAUKEE	Seite/Page
1014 C/150	–	S922VF	DW4845	650R	P47014	31492	48-00-5081	49
1014 C/200	361224	–	DW4846	850R	P47020	–	48-00-5083	49
1014 C/225	373288	S 122VF	–	–	–	31495	–	49
1014 C/280	–	S1222VF	–	110R	–	31407	–	49
1014 CD/150	–	S925VF	DW4866	650R	P47189	28260	–	49
1014 CD/225	–	S1125VF	–	–	–	28261	–	49
1014 CD/300	–	S1225VF	–	–	–	28263	–	49
810 C/150	354782	–	–	–	–	–	48-00-5091	49
810 C/225	354783	–	–	–	P47070	–	48-00-5093	49
810 F/150	–	–	–	–	P47064	–	–	50
810 F/200	–	S3456XF	–	–	–	31915	–	50
58 C/150	354776	S611VF	DT2344	656R	P47139	31984	48-00-5031	50
58 C/225	–	S1110VF	DT2349	956R	P47145	31986	–	50
58 C/300	–	–	DT2350	–	–	–	–	50

pentru fierastraie orizontale: **AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer**

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WILPU	AEG	BOSCH	DEWALT	LENOX	MAKITA	METABO	MILWAUKEE	Seite/Page
3007/150	318128		–	–	P04955	–	–	51
3015/100	354795	S522AF	DW4812	424R	P04896	–	48-00-5185	51
3015/150	354796	S922AF	DW4813	624R	P04905	31129	48-00-5186	51
3015/200	–	S1122AF	–	824R	P04949	–	–	51
3014/100	354791	S522EF	DW4810	418R	P04874	28268	48-00-5183	51
3014/150	354792	S922EF	DT2346/DT2384	618R	P04880	31454	48-00-5184	51
3014/200	354793	S1122EF	DT2354	818R	P04933	31493	–	51
3014/280	–	–	–	–	–	–	–	51
3014/150 PC	–	–	–	–	–	–	–	52
3014/225 PC	–	–	–	–	–	–	–	52
3013/100	354788	S522BF	DW4807	414R	–	28267	48-00-5181	52
3013/150	354789	S922BF	DW4808	614R	P04911	31491	48-00-5182	52
3013/200	361345	S1122BF	DT2353	814R	P04927	31494	–	52
3013/250	354790	–	DW4838	–	–	–	48-00-5187	52
3013/150 PC	–	–	–	–	–	–	–	52
3013/225 PC	–	–	–	–	–	–	–	52
3018/150	318127	S922HF	DW4806	610R	P46997	–	48-00-5092	53
3018/200	–	S1122HF	–	810R	P47008	31932	–	53
3018/280	–	–	–	–	P04983	–	–	53
3016/150	–	–	–	–	–	–	–	53
3016/225	–	S 123 XF	–	–	–	–	–	53
3016/280	–	–	–	–	–	–	–	53
3059/150	–	–	–	–	–	–	–	54

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WILPU	AEG	BOSCH	DEWALT	LENOX	MAKITA	METABO	MILWAUKEE	Seite/Page
3056/150	–	S936BEF	DW4864	6114R/6110R	–	–	48-00-5782	55
3056/225	–	S1136BEF	DW4865	9114R/9110R	–	–	48-00-5787	55
3056/300	–	–	DW4870	1214R/1210R	–	–	48-00-5789	55
3057/150	–	–	–	6118R	–	–	48-00-5784	55
3057/225	–	–	–	9118R	–	–	48-00-5788	55
3057/300	–	S1226BEF	–	12118R	–	–	48-00-5789	55
3050/150	373247	S920CF	–	–	P46969	31992	48-00-5700	56
3050/225	–	S1120CF	–	960R	P46975	31993	48-00-5705	56
3050/300	–	–	–	–	P46981	–	48-00-5710	56
3055/150	373243	S610DF	DW4862	6066R	P47036	31925	48-00-5021	56
3055/225	373244	S1110DF	DW4863	966R	P47042	31926	48-00-5026	56
3055/300	–	–	DW4860	106R	P47058	–	48-00-5027	56
3058/225	–	–	–	–	–	–	48-00-5026	57
3058/300	–	S1110VF	–	–	–	–	48-00-5027	57
3060/150	–	S930CF	–	–	–	31992	–	57
3060/225	–	S1130CF	–	–	–	31993	–	57
3060/300	–	S1230CF	–	–	–	–	–	57

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WILPU	AEG	BOSCH	DEWALT	LENOX	MAKITA	METABO	MILWAUKEE	Seite/Page
3049/150	–	S955XHM	–	–	B-49834	–	48-00-4712	58
3049/225	–	S1155XHM	–	–	B-49840	–	48-00-4713	58
3042/115	–	S518EHM	–	–	–	31817	–	58
3040/150	323814	S641HM	–	6565RCT	P05044	31137	–	58
3040/300	–	–	–	–	P05050	–	–	58
3041/225	323815	S1141HM	–	–	P47151	–	48-00-1080	59
3041/300	–	S1241HM	–	–	P47167	31146	–	59
3041/400	–	S2041HM	–	–	P05066	31819	–	59
3048/305	–	S1243HM	–	–	B-10394	31917	–	59
3048/455	–	S2243HM	–	–	B-10403	31918	–	59
3043/235	–	S1543HM	–	–	–	31916	–	60
3043/300	–	S1243HM	–	–	P46648	31917	–	60
3043/300H	–	–	–	–	–	–	–	60
3043/450H	–	S2243HM	–	–	P46654	31918	–	60
3044/235	–	–	–	–	–	–	–	60
3044/300H	–	–	–	–	–	–	–	60
3044/400	–	–	–	–	–	–	–	60
D12/150	–	–	DW4844	600RG	–	–	48-00-1420	61
D12/200	–	–	DW4843	800RG	P47173	–	–	61
D12/230	373386	S1130Riff	–	100RG	–	31818	48-00-1430	61
DT 200	–	S1050RD	–	800RDG	–	–	–	61
INOX 300	373027	S1211K	–	–	–	–	48-00-1082	61
INOX 400	373028	–	–	–	–	–	48-00-1083	61
RWM 225	–	S1113AWP	–	–	P80438	–	48-00-1084	62
RWM 300	–	S1213AWP	–	–	P80444	–	48-00-1084	62
RWM 450	–	S2013AWP	–	–	–	–	–	62
RWM 500 DS	–	–	–	–	–	–	–	62

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WILPU	AEG	BOSCH	DEWALT	LENOX	MAKITA	METABO	MILWAUKEE	Seite/Page
006/150	–	–	–	–	P45680	–	–	63
006/200	–	–	–	–	P45696	–	–	63
007/150	–	–	–	–	P45705	–	–	63
007/200	–	–	–	–	P45711	–	–	63
007/280	–	–	–	–	P45727	–	–	63
007DS/240	–	–	–	–	–	–	–	63
007D/200	–	–	–	–	–	–	–	64

3020/150

Panza HCS/CV pentru fierastrau sabie, pentru lemn

- *dinti frezati si ceaprazuiti din lateral*
- *ideala pentru toate tipurile de lemn 3,0-60 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12115 00005	2,5 mm / 10 tpi	130 mm	150 x 19 x 1,05 mm	5	72.09

3021/150

Panza HCS/CV pentru fierastrau sabie, pentru lemn

- *dinti frezati si ceaprazuiti din lateral, ascutire in diagonala*
- *ideala pentru toate tipurile de lemn, plastic, rigips 6,0-100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12215 00005	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,27 mm	5	73.93
12215 00020	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,27 mm	20	277.53
12215 00099	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,27 mm	100	1353.11

3021/225

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti frezati si ceaprazuiti din lateral*
- *ideala pentru toate tipurile de lemn, plastic, rigips 6,0-100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12222 00005	4,2 mm / 6 tpi	205 mm	225 x 19 x 1,27 mm	5	99.80

3021/300

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti frezati si ceaprazuiti din lateral*
- *ideala pentru toate tipurile de lemn, plastic, rigips 6,0-100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12230 00002	4,2 mm / 6 tpi	280 mm	300 x 19 x 1,27 mm	2	41.55
12230 00005	4,2 mm / 6 tpi	280 mm	300 x 19 x 1,27 mm	5	119.99

3021/400

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti frezati si ceaprazuiti din lateral*
- *ideala pentru toate tipurile de lemn, plastic, rigips 6,0-100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12240 00005	4,2 mm / 6 tpi	380 mm	400 x 19 x 1,27 mm	5	169.05

3021/150 BI

Panza Bi-Metal pentru fierastrau sabie pentru lemn

- *dinti frezati si ceaprazuiti din lateral, flexibila pentru taieri rapide si drepte*
- *ideala pentru toate tipurile de lemn, plastic*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12265 00005	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,27 mm	5	116.15

3021/225 BI

Panza Bi-Metal pentru fierastrau sabie pentru lemn

- *dinti frezati si ceaprazuiti din lateral, flexibila pentru taieri rapide si drepte*
- *ideala pentru toate tipurile de lemn, plastic*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12272 00005	4,2 mm / 6 tpi	205 mm	225 x 19 x 1,27 mm	5	145.36
12272 00020	4,2 mm / 6 tpi	205 mm	225 x 19 x 1,27 mm	20	553.06

3021/300 BI

Panza Bi-Metal pentru fierastrau sabie pentru lemn

- *dinti frezati si ceaprazuiti din lateral, flexibila pentru taieri rapide si drepte*
- *ideala pentru toate tipurile de lemn, plastic*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12280 00005	4,2 mm / 6 tpi	280 mm	300 x 19 x 1,27 mm	5	205.60

Lemn Metal Universal Special

3022/150

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti ascutit in diagonala, ceaprazuiti din lateral*
- *ideala pentru taieri curbe in toate tipurile de lemn, plastic pana la 100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12315 00005	4,2 mm / 6 tpi	130 mm	150 x 12 x 1,27 mm	5	91.29

3023/150

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti triplu ascutiti, cu rectificare conica*
- *ideala pentru taieri curate in toate tipurile de lemn, plastic pana la 100 mm, plexiglas*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12400 00005	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,8 mm	5	115.32

3023/240

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti triplu ascutiti*
- *ideala pentru taieri curate in toate tipurile de lemn, plastic pana la 190 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12422 00005	4,2 mm / 6 tpi	220 mm	240 x 19 x 1,27 mm	5	128.67

3025/150

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti frezati si ceaprazuiti din lateral*
- *ideala pentru rigips si lemn pana la 100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12415 00005	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,05 mm	5	64.25

3025/300

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti frezati si ceaprazuiti din lateral*
- *ideala pentru rigips si lemn pana la 100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12430 00005	4,2 mm / 6 tpi	280 mm	300 x 19 x 1,05 mm	5	102.97

3029/240

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti ceaprazuiti din lateral, ascutire in diagonala, dinti tratati prin inductie*
- *ideala pentru lemn verde pana la 190 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12524 00005	6,35/5 mm / 4/5 tpi	220 mm	240 x 19 x 1,27 mm	5	114.48
12524 00020	6,35/5 mm / 4/5 tpi	220 mm	240 x 19 x 1,27 mm	20	439.91
12524 00099	6,35/5 mm / 4/5 tpi	220 mm	240 x 19 x 1,27 mm	100	1994.11

3039/300

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti ceaprazuiti din lateral, ascutire in diagonala, dinti tratati prin inductie*
- *ideala pentru lemn verde pana la 190 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12930 00005	6,35/5 mm / 4/5 tpi	280 mm	300 x 19 x 1,27 mm	5	163.55

3019/150

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti frezati si ceaprazuiti din lateral, flexibila pentru taieri rapide si drepte*
- *ideala pentru toate tipurile de lemn, plastic*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12615 00005	6,35 mm / 4 tpi	130 mm	150 x 19 x 1,05 mm	5	72.09
12615 00020	6,35 mm / 4 tpi	130 mm	150 x 19 x 1,05 mm	20	259.01

3019/225

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti ascutiti si ceaprazuiti din lateral*
- *ideala pentru toate tipurile de lemn pana la 100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
12622 00005	6,35 mm / 4 tpi	205 mm	225 x 19 x 1,05 mm	5	**91.29**

3019/225 PC

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *panza curbata, dinti ascutiti si ceaprazuiti din lateral*
- *ideala pentru toate tipurile de lemn pana la 175 mm*
- *panza curbata pentru taieri rapide si durata de viata prelungita*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
12675 00005	6,35 mm / 4 tpi	205 mm	225 x 19 x 1,05 mm	5	**108.98**
12675 00020	6,35 mm / 4 tpi	205 mm	225 x 19 x 1,05 mm	20	**397.02**

3019/150 bi

Panza Bi-Metal pentru fierastrau sabie pentru lemn

- *panza flexibila, dinti frezati si ceaprazuiti din lateral*
- *ideala pentru toate tipurile de lemn pana la 100 mm*
- *panza flexibila, durata de viata prelungita*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
12665 00005	6,35 mm / 4 tpi	130 mm	150 x 19 x 0,9 mm	5	**104.47**

3030/225/300

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti frezati, ceaprazuiti din lateral, ascutire in diagonala*
- *ideala pentru toate tipurile de lemn pana la 175 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
12722 00005	8,5 mm / 3 tpi	205 mm	225 x 19 x 1,27 mm	5	**104.80**
12730 00005	8,5 mm / 3 tpi	280 mm	300 x 19 x 1,27 mm	5	**135.34**

Lemn Metal Universal Special

3035/240

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *dinti ceaprazuiti din lateral, ascutire in diagonala, dinti caliti si tratati prin inductie*
- *dinti foarte mari pentru taieri agresive si rapide in lemn ud de pana la 190 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





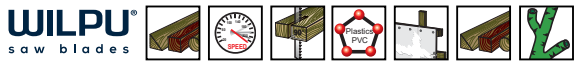
	TPI	Lungime taiere	Dimensiuni	Ambalare	
12774 00005	8,5 mm / 3 tpi	220 mm	240 x 19 x 1,27 mm	5	**125.66**

12957 00003

Set 3 panze pentru fierastrau sabie

- *setul include: 3019/225 PC, 3021/150, 3029/240*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





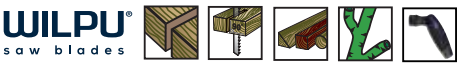
Articol	TPI	Lungime taiere	Dimensiuni	Ambalare	
3019/225PC	6,35 mm / 4 tpi	205 mm	225 x 19 x 1,05 mm	3	**65.59**
3021/150	4.2 mm / 6 tpi	130 mm	150 x 19 x 1,27 mm		
3029/240	6.35/5 mm / 4/5 tpi	220 mm	240 x 19 x 1,27 mm		

3026/275

Panza HCS/CV pentru fierastrau sabie pentru gradinarit

- *rectificata, dinti triplu ascutiti, ceaprazuiti din lateral, caliti, ascutire in diagonala*
- *foarte groasa, cu lama speciala pentru taierea precisa a arbustilor si a ramurilor de copaci (> 5,0 mm), precum si taieturi rapide si drepte in toate tipurile de lemn uscat si lemn verde*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*
- *potrivite pentru manere manuale*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
12820 00002	4,2 mm / 6,0 tpi	245 mm	275 x 34 x 1,6 mm	2	**180.24**

3026/370 PC

Panza HCS/CV curbata pentru fierastrau sabie pentru gradinarit

- *rectificata, dinti triplu ascutiti, ceaprazuiti din lateral, caliti, ascutire in diagonala*
- *foarte groasa, cu lama speciala curbata pentru taierea precisa a arbustilor si a ramurilor de copaci (> 5,0 mm), precum si taieturi rapide si drepte in toate tipurile de lemn uscat si lemn verde*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*
- *potrivite pentru manere manuale*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
12837 00001	4,2 mm / 6,0 tpi	300 mm	370 x 45 x 1,6 mm	1	**92,43**

3029/150 NOU

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *panza mai scurta pentru utilizare optimizata pe fierastraiele electrice cu acumulator cu o singura mana*
- *panza de fierastrau speciala pentru lemn verde (< 70 mm).*
- *dinti ceaprazuiti din lateral, ascutire in diagonala, dinti caliti si tratati prin inductie*
- *dinti foarte mari pentru taieri agresive si rapide in lemn ud de pana la 190 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12515 00005	6,35/5 mm / 4/5 tpi	130 mm	150 x 19 x 1,27 mm	5	**84.59**

3026/150 NOU

Panza HCS/CV pentru fierastrau sabie cu acumulatori, pentru gradinarit

- *panza mai scurta pentru utilizare optimizata pe fierastraiele electrice cu acumulator cu o singura mana*
- *rectificata, dinti triplu ascutiti, ceaprazuiti din lateral, caliti, ascutire in diagonala*
- *foarte groasa, cu lama speciala pentru taierea precisa a arbustilor si a ramurilor de copaci (> 5,0 mm), precum si taieturi rapide si drepte in toate tipurile de lemn uscat si lemn verde*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*
- *potrivite pentru manere manuale*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12815 00002	4,2 mm / 6,0 tpi	120 mm	150 x 34 x 1,2 mm	2	**133.61**

3026/200 NOU

Panza HCS/CV pentru fierastrau sabie cu acumulatori, pentru gradinarit

- *panza mai scurta pentru utilizare optimizata pe fierastraiele electrice cu acumulator cu o singura mana*
- *rectificata, dinti triplu ascutiti, ceaprazuiti din lateral, caliti, ascutire in diagonala*
- *foarte groasa, cu lama speciala pentru taierea precisa a arbustilor si a ramurilor de copaci (> 5,0 mm), precum si taieturi rapide si drepte in toate tipurile de lemn uscat si lemn verde*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*
- *potrivite pentru manere manuale*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12821 00002	4,2 mm / 6,0 tpi	170 mm	200 x 34 x 1,2 mm	2	**144.75**

Lemn Metal Universal Special

3027/230

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *rectificata, dinti triplu ascutiti, ceaprazuiti din lateral, caliti, ascutire in diagonala*
- *extrem de ascutite pentru taieri curate in lemn uscat*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*
- *potrivite pentru scule electrice cu acumulator sau manere manuale*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12830 00002	2 mm / 13 tpi	195 mm	230 x 35 x 0,6 mm	2	**154.37**

3028/230

Panza HCS/CV pentru fierastrau sabie pentru lemn

- *rectificata, dinti triplu ascutiti, ceaprazuiti din lateral, caliti, ascutire in diagonala*
- *extrem de ascutite pentru taieri curate in lemn uscat si ud*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*
- *potrivite pentru scule electrice cu acumulator sau manere manuale*



	TPI	Lungime taiere	Dimensiuni	Ambalare	
12920 00002	3 mm / 8,5 tpi	195 mm	230 x 35 x 0,6 mm	2	**154.37**

12955 00010

Set 10 panze pentru fierastrau sabie

- *setul include panze pentru plastic, panze pentru taieri curbe in lemn, lemn cu cuie,*
- *fonta, fibra de sticla si fibra de carbon*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



Articol	TPI	Lungime taiere	Dimensiuni	Ambalare	
2x 3029-240	4-5 tpi	220 mm	240 x 19 x 1,27 mm	10	**222.46**
1x 3021-225	6 tpi	205 mm	225 x 19 x 1,27 mm		
1x 3025-150	6 tpi	130 mm	150 x 19 x 1,27 mm		
1x 3022-150	6 tpi	130 mm	150 x 12 x 1,27 mm		
1x 3013-200	14 tpi	180 mm	200 x 19 x 0,9 mm		
1x 810C-225	8-10 tpi	205 mm	225 x 19 x 0,9 mm		
2x 3013-150	14 tpi	130 mm	150 x 19 x 0,9 mm		
1x D12-200	Granulat / grit	180 mm	200 x 19 x 1,05 mm		

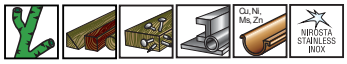
12955 00003

Set 3 panze pentru fierastrau sabie

- *setul include: 1 x 3029/240, 1 x 810C/225, 1 x 3013/150*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades



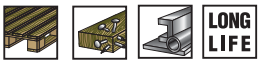
Articol	TPI	Lungime taiere	Dimensiuni	Ambalare	
3029/240	6,35/5 mm / 4/5 tpi	220 mm	240 x 19 x 1,27 mm	3	**82.27**
810C/225	3,2/2,5 mm / 8/10 tpi	205 mm	240 x 19 x 1,27 mm		
3013/150	1,8 mm / 14 tpi	130 mm	150 x 19 x 0,9 mm		

1014 C/150

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 2,5 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Ski, Stayer*



WILPU saw blades  LONG LIFE

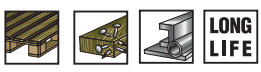
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13515 00005	2,5/1,8 mm / 10/14 tpi	130 mm	150 x 19 x 0,9 mm	5	**113.48**
13515 00020	2,5/1,8 mm / 10/14 tpi	130 mm	150 x 19 x 0,9 mm	20	**391.35**
13515 00099	2,5/1,8 mm / 10/14 tpi	130 mm	150 x 19 x 0,9 mm	100	**1820.22**

1014 C/200

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 2,5 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades  LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
13520 00005	2,5/1,8 mm / 10/14 tpi	180 mm	200 x 19 x 0,9 mm	5	**130.34**
13520 00020	2,5/1,8 mm / 10/14 tpi	180 mm	200 x 19 x 0,9 mm	20	**368.82**

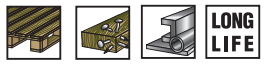
Lemn Metal Universal Special

1014 C/225

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 2,5 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades  LONG LIFE

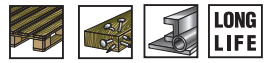
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13522 00005	2,5/1,8 mm / 10/14 tpi	205 mm	225 x 19 x 0,9 mm	5	**151.87**

1014 C/280

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 2,5 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades  LONG LIFE

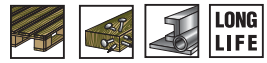
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13528 00005	2,5/1,8 mm / 10/14 tpi	260 mm	280 x 19 x 0,9 mm	5	**193.25**

1014 CD/150

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati, ceaprazuire ondulata, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 2,5 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades  LONG LIFE

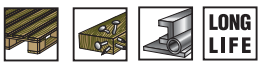
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13565 00005	2,5/1,8 mm / 10/14 tpi	130 mm	150 x 19 x 1,27 mm	5	**132.51**

1014 CD/200

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati, ceaprazuire ondulata, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 2,5 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades  LONG LIFE

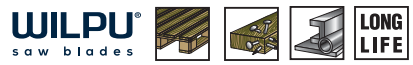
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13570 00005	2,5/1,8 mm / 10/14 tpi	180 mm	200 x 19 x 1,27 mm	5	**151,70**

1014 CD/225

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati, ceaprazuire ondulata, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 2,5 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



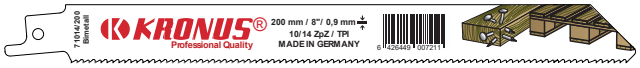


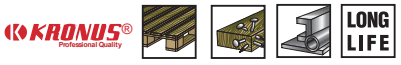
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13572 00005	2,5/1,8 mm / 10/14 tpi	205 mm	225 x 19 x 1,27 mm	5	168.55

71014/200

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati, ceaprazuire ondulata, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 2,5 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



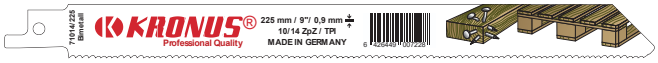


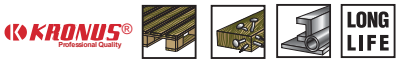
	TPI	Lungime taiere	Dimensiuni	Ambalare	
900721	2,5/1,8 mm / 10/14 tpi	180 mm	200 x 19 x 0,9 mm	vrac	13.22

71014/225

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati, ceaprazuire ondulata, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 2,5 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





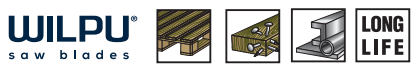
	TPI	Lungime taiere	Dimensiuni	Ambalare	
900722	2,5/1,8 mm / 10/14 tpi	205 mm	225 x 19 x 0,9 mm	vrac	14.63

810 C/150

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 3 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





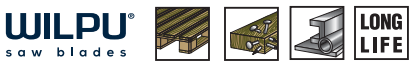
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13615 00005	3,2/2,5 mm / 8/10 tpi	130 mm	150 x 19 x 0,9 mm	5	108.64

810 C/225

Panza Bi-Metal pentru fierastrau sabie pentru paleti

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 3 mm*
- *speciale pentru reparat paleti*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





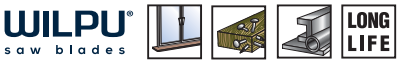
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13622 00002	3,2/2,5 mm / 8/10 tpi	205 mm	225 x 19 x 0,9 mm	2	60.75
13622 00005	3,2/2,5 mm / 8/10 tpi	205 mm	225 x 19 x 0,9 mm	5	158.54

810 F

Panza Bi-Metal pentru fierastrau sabie pentru tamplarie

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 3 mm*
- *speciale pentru tamplarie ferestre*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





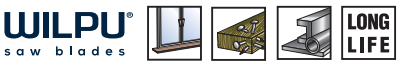
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13650 00002	3,2/2,5 mm / 8/10 tpi	130 mm	150 x 19 x 1,27 mm	2	57.58
13650 00005	3,2/2,5 mm / 8/10 tpi	130 mm	150 x 19 x 1,27 mm	5	124.00

810 F/200

Panza Bi-Metal pentru fierastrau sabie pentru tamplarie

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie, otel pana la 3 mm*
- *speciale pentru tamplarie ferestre*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
13720 00005	3,2/2,5 mm / 8/10 tpi	180 mm	200 x 19 x 1,27 mm	5	155.04

58 C/150

Panza Bi-Metal pentru fierastrau sabie pentru lemn si lemn cu cuie

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie pana la 80 mm*
- *taieri drepte*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil*





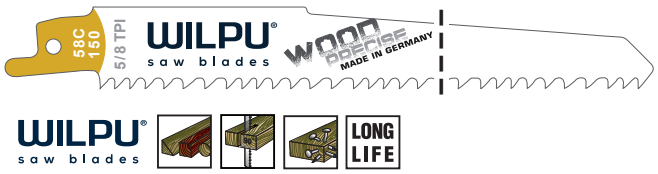
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13765 00005	5/3,2 mm / 5/8 tpi	130 mm	150 x 19 x 1,27 mm	5	128.50

Lemn Metal Universal Special

58 C/225

Panza Bi-Metal pentru fierastrau sabie pentru lemn si lemn cu cuie

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie pana la 80 mm*
- *taieri drepte*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita,Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*

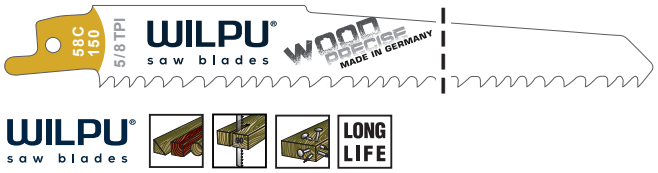


	TPI	Lungime taiere	Dimensiuni	Ambalare	
13772 00005	5/3,2 mm / 5/8 tpi	205 mm	225 x 19 x 1,27 mm	5	160.21
13772 00020	5/3,2 mm / 5/8 tpi	205 mm	225 x 19 x 1,27 mm	20	609.46

58 C/300

Panza Bi-Metal pentru fierastrau sabie pentru lemn si lemn cu cuie

- *dinti frezati si ceaprazuiti din lateral, dantura variabila*
- *ideala pentru toate tipurile de lemn si lemn cu cuie pana la 80 mm*
- *taieri drepte*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



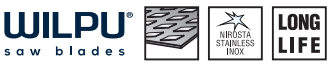
	TPI	Lungime taiere	Dimensiuni	Ambalare	
13780 00005	5/3,2 mm / 5/8 tpi	280 mm	300 x 19 x 1,27 mm	5	205.60

3007/150

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dantura fina, ceaprazuire ondulata*
- *ideala pentru tabla mai subtire de 1,2 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



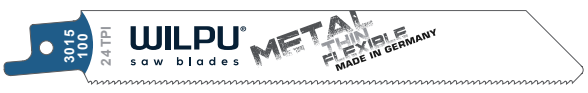


	TPI	Lungime taiere	Dimensiuni	Ambalare	
14115 00005	0,7 mm / 32 tpi	130 mm	150 x 19 x 0,9 mm	5	98.63

3015/100

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaparzuire ondulata*
- *ideala pentru tabla din otel mai subtire de 1,2 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14210 00005	1,2 mm / 24 tpi	80 mm	100 x 19 x 0,9 mm	5	83.44

3015/150

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaparzuire ondulata*
- *ideala pentru tabla din otel mai subtire de 1,2 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14215 00005	1,2 mm / 24 tpi	130 mm	150 x 19 x 0,9 mm	5	102.97

3015/200

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaparzuire ondulata*
- *ideala pentru tabla din otel mai subtire de 1,2 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14220 00005	1,2 mm / 24 tpi	180 mm	200 x 19 x 0,9 mm	5	129.34

3014/100

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 1,5-2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14410 00005	1,4 mm / 18 tpi	80 mm	100 x 19 x 0,9 mm	5	83.44

3014/150

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 1,5-2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14415 00005	1,4 mm / 18 tpi	130 mm	150 x 19 x 0,9 mm	5	94.29
14415 00020	1,4 mm / 18 tpi	130 mm	150 x 19 x 0,9 mm	20	340.11
14415 00099	1,4 mm / 18 tpi	130 mm	150 x 19 x 0,9 mm	100	1582.57

Lemn Metal Universal Special

3014/200

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 1,5-2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades | NIROSTA STAINLESS INOX | LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
14420 00005	1,4 mm / 18 tpi	180 mm	200 x 19 x 0,9 mm	5	123.66
14420 00020	1,4 mm / 18 tpi	180 mm	200 x 19 x 0,9 mm	20	426.73
14420 00099	1,4 mm / 18 tpi	180 mm	200 x 19 x 0,9 mm	100	1973.58

3014/250

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 1,5-2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades | NIROSTA STAINLESS INOX | LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
14425 00005	1,4 mm / 18 tpi	230 mm	250 x 19 x 0,9 mm	5	154.37
14425 00099	1,4 mm / 18 tpi	230 mm	250 x 19 x 0,9 mm	100	2776.97

3014/280

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 1.5-4.0 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades | NIROSTA STAINLESS INOX | LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
14428 00002	1,4 mm / 18 tpi	260 mm	280 x 19 x 0,9 mm	2	75.77
14428 00005	1,4 mm / 18 tpi	260 mm	280 x 19 x 0,9 mm	5	159.04

3014/150 PC

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *dinti frezati, ascutire ondulata, curbata si flexibila*
- *ideala pentru taieri rapide in otel si otel inoxidabil 1,5-2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades | NIROSTA STAINLESS INOX | LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
14515 00005	1,4 mm / 18 tpi	130 mm	150 x 19 x 0,9 mm	5	106.31
14515 00020	1,4 mm / 18 tpi	130 mm	150 x 19 x 0,9 mm	20	394.35

3014/225 PC

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza curbata si flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru taieri rapide in otel si otel inoxidabil 1,5-2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades | NIROSTA STAINLESS INOX | LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
14522 00005	1,4 mm / 18 tpi	205 mm	225 x 19 x 0,9 mm	5	141.85
14522 00020	1,4 mm / 18 tpi	205 mm	225 x 19 x 0,9 mm	20	527.52

3013/100

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 2,0-3,5 mm, metale neferoase*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades | NIROSTA STAINLESS INOX | LONG LIFE | Cu,Ni, Mo,Zn

	TPI	Lungime taiere	Dimensiuni	Ambalare	
14610 00005	1,8 mm / 14 tpi	80 mm	100 x 19 x 0,9 mm	5	83.44

3013/150

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 2,0-3,5 mm, metale neferoase*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades | NIROSTA STAINLESS INOX | LONG LIFE | Cu,Ni, Mo,Zn

	TPI	Lungime taiere	Dimensiuni	Ambalare	
14615 00002	1,8 mm / 14 tpi	130 mm	150 x 19 x 0,9 mm	2	34.88
14615 00005	1,8 mm / 14 tpi	130 mm	150 x 19 x 0,9 mm	5	98.46
14615 00020	1,8 mm / 14 tpi	130 mm	150 x 19 x 0,9 mm	20	340.11
14615 00099	1,8 mm / 14 tpi	130 mm	150 x 19 x 0,9 mm	100	1582.57

3013/200

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 2,0-3,5 mm, metale neferoase*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil*



WILPU saw blades | NIROSTA STAINLESS INOX | LONG LIFE | Cu,Ni, Mo,Zn

	TPI	Lungime taiere	Dimensiuni	Ambalare	
14620 00005	1,8 mm / 14 tpi	180 mm	200 x 19 x 0,9 mm	5	123.66
14620 00020	1,8 mm / 14 tpi	180 mm	200 x 19 x 0,9 mm	20	426.73
14620 00099	1,8 mm / 14 tpi	180 mm	200 x 19 x 0,9 mm	100	1973.58

3013/250

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 2,0-3,5 mm, metale neferoase*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14625 00005	1,8 mm / 14 tpi	230 mm	250 x 19 x 0,9 mm	5	161.04
14625 00020	1,8 mm / 14 tpi	230 mm	250 x 19 x 0,9 mm	20	585.60
14625 00099	1,8 mm / 14 tpi	230 mm	250 x 19 x 0,9 mm	100	2776.97

3013/150 PC

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 2,0-3,5 mm, metale neferoase*
- *panza curbata pentru taieri rapide si rezistenta indelungata*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14715 00005	1,8 mm / 14 tpi	130 mm	150 x 19 x 0,9 mm	5	106.31
14715 00020	1,8 mm / 14 tpi	130 mm	150 x 19 x 0,9 mm	20	394.35

3013/225 PC

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *dinti frezati, ascutire ondulata, flexibila*
- *ideala pentru otel si otel inoxidabil 2,0-3,5 mm, metale neferoase*
- *panza curbata pentru taieri rapide si rezistenta indelungata*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14722 00005	1,8 mm / 14 tpi	205 mm	225 x 19 x 0,9 mm	5	141.85
14722 00020	1,8 mm / 14 tpi	205 mm	225 x 19 x 0,9 mm	20	527.52

3018/150

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 2,0-3,5 mm, metale neferoase*
- *panza curbata pentru taieri rapide si rezistenta indelungata*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14815 00005	2,5 mm / 10 tpi	130 mm	150 x 19 x 0,9 mm	5	102.30
14815 00020	2,5 mm / 10 tpi	130 mm	150 x 19 x 0,9 mm	20	354.13
14815 00099	2,5 mm / 10 tpi	130 mm	150 x 19 x 0,9 mm	100	1647.16

3018/200

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 2,0-3,5 mm, metale neferoase*
- *panza curbata pentru taieri rapide si rezistenta indelungata*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
14820 00005	2,5 mm / 10 tpi	180 mm	200 x 19 x 0,9 mm	5	127.67
14820 00020	2,5 mm / 10 tpi	180 mm	200 x 19 x 0,9 mm	20	459.10
14820 00099	2,5 mm / 10 tpi	180 mm	200 x 19 x 0,9 mm	100	2179.52

3018/280

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *panza flexibila, dinti frezati, ceaprazuire ondulata*
- *ideala pentru otel si otel inoxidabil 2,0-3,5 mm, metale neferoase*
- *panza curbata pentru taieri rapide si rezistenta indelungata*

fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer





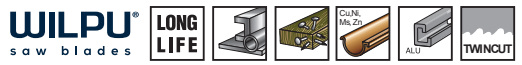
	TPI	Lungime taiere	Dimensiuni	Ambalare	
14828 00005	2,5 mm / 10 tpi	260 mm	280 x 19 x 0,9 mm	5	172.39
14828 00099	2,5 mm / 10 tpi	260 mm	280 x 19 x 0,9 mm	100	2996.93

3016/150 Twin Cut

Panza Bi-Metal pentru fierastrau sabie pentru lemn cu cuie si metal

- *panza flexibila, dinti frezati, ceaprazuire din lateral, geometria dintilor Twin-Cut*
- *ideala pentru metal pana la 2,5 mm, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





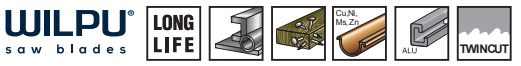
	TPI	Lungime taiere	Dimensiuni	Ambalare	
14315 00005	2,5/1,8 mm / 10/14 tpi	130 mm	150 x 19 x 0,9 mm	5	113.65
14315 00020	2,5/1,8 mm / 10/14 tpi	130 mm	150 x 19 x 0,9 mm	20	396.52
14315 00099	2,5/1,8 mm /10/14 tpi	130 mm	150 x 19 x 0,9 mm	100	1821.55

3016/225 Twin Cut

Panza Bi-Metal pentru fierastrau sabie pentru lemn cu cuie si metal

- *panza flexibila, dinti frezati, ceaprazuire din lateral, geometria dintilor Twin-Cut*
- *ideala pentru metal pana la 2,5 mm, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





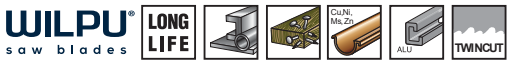
	TPI	Lungime taiere	Dimensiuni	Ambalare	
14322 00005	2,5/1,8 mm / 10/14 tpi	205 mm	225 x 19 x 0,9 mm	5	152.70
14322 00020	2,5/1,8 mm / 10/14 tpi	205 mm	225 x 19 x 0,9 mm	20	549.39
14322 00099	2,5/1,8 mm /10/14 tpi	205 mm	225 x 19 x 0,9 mm	100	2554.68

3016/280 Twin Cut

Panza Bi-Metal pentru fierastrau sabie pentru lemn cu cuie si metal

- *panza flexibila, dinti frezati, ceaprazuire din lateral, geometria dintilor Twin-Cut*
- *ideala pentru metal pana la 2,5 mm, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



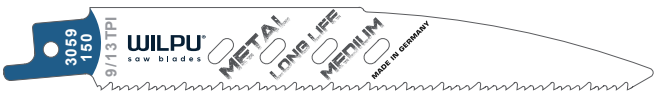


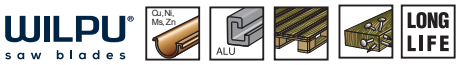
	TPI	Lungime taiere	Dimensiuni	Ambalare	
14328 00005	52,5/1,8 mm /10/14 tpi	260 mm	280 x 19 x 0,9 mm	5	**193.92**

3059/150

Panza Bi-Metal pentru fierastrau sabie pentru lemn, lemn cu cuie, metale neferoase

- *dinti frezati si ceaprazuiti, cu dantura inovativa 9/13 TWO-STAGE.*
- *durata de viata mai mare datorita disiparii mai bune a caldurii.*
- *recomandat pentru aplicatii in toate tipurile de metal si lemn cu metal*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





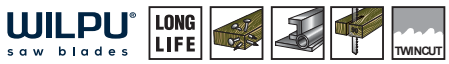
	TPI	Lungime taiere	Dimensiuni	Ambalare	
14960 00005	2,8/1,9 mm / 9/13 tpi	130 mm	150 x 19 x 0,9 mm	5	**108.98**
14960 00020	2,8/1,9 mm / 9/13 tpi	130 mm	150 x 19 x 0,9 mm	20	**431.23**

3056/150

Panza Bi-Metal pentru fierastrau sabie pentru lemn cu cuie si metal

- *dinti frezati, ceaprazuire din lateral, geometria dintilor Twin-Cut*
- *ideala pentru taieri rapide in metal pana la 2,5 mm, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





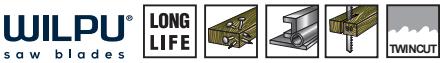
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15915 00005	2,5/1,8 mm / 10/14 tpi	130 mm	150 x 25 x 0,9 mm	5	**119.82**
15915 00020	2,5/1,8 mm / 10/14 tpi	130 mm	150 x 25 x 0,9 mm	20	**431.23**
15915 00099	2,5/1,8 mm /10/14 tpi	130 mm	150 x 25 x 0,9 mm	100	**2227.58**

3056/225

Panza Bi-Metal pentru fierastrau sabie pentru lemn cu cuie si metal

- *dinti frezati, ceaprazuire din lateral, geometria dintilor Twin-Cut*
- *ideala pentru taieri rapide in metal pana la 2,5 mm, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





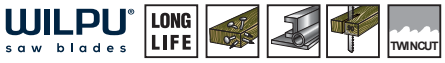
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15922 00005	2,5/1,8 mm / 10/14 tpi	205 mm	225 x 25 x 0,9 mm	5	**157.54**
15922 00020	2,5/1,8 mm / 10/14 tpi	205 mm	225 x 25 x 0,9 mm	20	**567.41**
15922 00099	2,5/1,8 mm /10/14 tpi	205 mm	225 x 25 x 0,9 mm	100	**2611.92**

3056/300

Panza Bi-Metal pentru fierastrau sabie pentru lemn cu cuie si metal

- *dinti frezati, ceaprazuire din lateral, geometria dintilor Twin-Cut*
- *ideala pentru taieri rapide in metal pana la 2,5 mm, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
15930 00005	2,5/1,8 mm / 10/14 tpi	280 mm	300 x 25 x 0,9 mm	5	**198.26**
15930 00099	2,5/1,8 mm / 10/14 tpi	280 mm	300 x 25 x 0,9 mm	100	**3576.85**

3057-150

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *dinti frezati, ceaprazuire din lateral*
- *ideala pentru taieri rapide si drepte in metal pana la 1,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
15215 00005	1,4 mm / 18 tpi	130 mm	150 x 25 x 0,9 mm	5	**119.49**
15215 00020	1,4 mm / 18 tpi	130 mm	150 x 25 x 0,9 mm	20	**431.23**

Lemn Metal Universal Special

3057/225

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *dinti frezati, ceaprazuire din lateral*
- *ideala pentru taieri rapide si drepte in metal pana la 1,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
15222 00005	1,4 mm / 18 tpi	205 mm	225 x 25 x 0,9 mm	5	**164.38**
15222 00020	1,4 mm / 18 tpi	205 mm	225 x 25 x 0,9 mm	20	**567.41**

3057/300

Panza Bi-Metal pentru fierastrau sabie pentru metal

- *dinti frezati, ceaprazuire din lateral*
- *ideala pentru taieri rapide si drepte in metal pana la 1,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





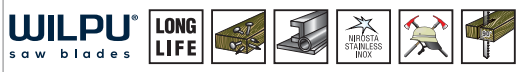
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15230 00005	1,4 mm / 18 tpi	280 mm	300 x 25 x 0,9 mm	5	**198.26**
15230 00020	1,4 mm / 18 tpi	280 mm	300 x 25 x 0,9 mm	20	**713.77**

3050/150

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri otel pana la 3 mm si toate tipurile de lemn si lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





HYPERCUT

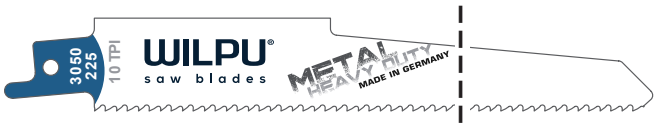
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15515 00003	2,5 mm / 10 tpi	130 mm	150 x 22 x 1,57 mm	3	**106.64**
15515 00025	2,5 mm / 10 tpi	130 mm	150 x 22 x 1,57 mm	25	**798.55**
15515 00099	2,5 mm / 10 tpi	130 mm	150 x 22 x 1,57 mm	100	**3034.81**

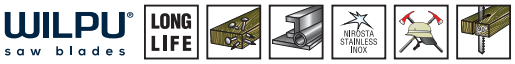


3050/225

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri otel pana la 3 mm si toate tipurile de lemn si lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





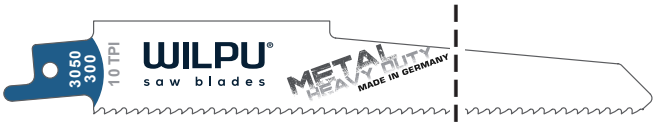
HYPERCUT

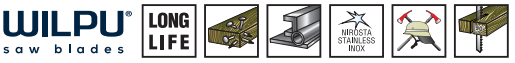
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15522 00003	2,5 mm / 10 tpi	205 mm	225 x 22 x 1,57 mm	3	**152.37**
15522 00025	2,5 mm / 10 tpi	205 mm	225 x 22 x 1,57 mm	25	**1204.41**
15522 00099	2,5 mm / 10 tpi	205 mm	225 x 22 x 1,57 mm	100	**4456.67**

3050/300

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri otel pana la 3 mm si toate tipurile de lemn si lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





HYPERCUT

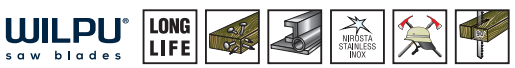
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15530 00003	2,5 mm / 10 tpi	280 mm	300 x 22 x 1,57 mm	3	**195.42**
15530 00025	2,5 mm / 10 tpi	280 mm	300 x 22 x 1,57 mm	25	**1505.97**
15530 00099	2,5 mm / 10 tpi	280 mm	300 x 22 x 1,57 mm	100	**5722.16**

3061/150 NOU

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *panza performanta de 25 mm latime cu dinti cu ascutire dubla pentru taieri precise si rapide in tevi si profile de otel, metale neferoase si lemn cu cuie*
- *de pana la 5 ori mai rapid in comparatie cu lamele de demolare standard.*
- *dinti frezati lateral. Pasul dintelui 2,5/1,8 mm - pas 10/14 dinți*
- *Bimetal cu HSS special din ASP*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
15416 00005	2.5/1.8mm-10/14 tpi	130 mm	150 x 25 x 1.1 mm	5	**126.56**
15416 00025	2.5/1.8mm-10/14 tpi	130 mm	150 x 25 x 1.1 mm	25	**569.70**

Lemn Metal Universal Special

3061/225 NOU

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *panza performanta de 25 mm latime cu dinti cu ascutire dubla pentru taieri precise si rapide in tevi si profile de otel, metale neferoase si lemn cu cuie*
- *de pana la 5 ori mai rapid in comparatie cu lamele de demolare standard.*
- *dinti frezati lateral. Pasul dintelui 2,5/1,8 mm - pas 10/14 dinți*
- *Bimetal cu HSS special din ASP*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
15422 00005	2.5/1.8mm-10/14 tpi	205 mm	225 x 25 x 1.1 mm	5	208.03
15422 00025	2.5/1.8mm-10/14 tpi	205 mm	225 x 25 x 1.1 mm	25	936.56

3061/300 NOU

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *panza performanta de 25 mm latime cu dinti cu ascutire dubla pentru taieri precise si rapide in tevi si profile de otel, metale neferoase si lemn cu cuie*
- *de pana la 5 ori mai rapid in comparatie cu lamele de demolare standard.*
- *dinti frezati lateral. Pasul dintelui 2,5/1,8 mm - pas 10/14 dinți*
- *Bimetal cu HSS special din ASP*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
15430 00005	2.5/1.8mm-10/14 tpi	280 mm	300 x 25 x 1.1 mm	5	261.97
15430 00025	2.5/1.8mm-10/14 tpi	280 mm	300 x 25 x 1.1 mm	25	1178.69

3062/150 NOU

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *panza performanta de 25 mm latime cu dinti cu ascutire dubla pentru taieri precise si rapide in tevi si profile de otel, metale neferoase si lemn cu cuie*
- *de pana la 5 ori mai rapid in comparatie cu lamele de demolare standard.*
- *dinti frezati lateral. Pasul dintelui 2,5/1,8 mm - pas 10/14 dinți*
- *Bimetal cu HSS special din ASP*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
15115 00005	2.5 mm / 10 tpi	130 mm	150 x 25 x 1.1 mm	5	158.20
15115 00025	2.5 mm / 10 tpi	130 mm	150 x 25 x 1.1 mm	25	712.13

3062/225 NOU

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *panza performanta de 25 mm latime cu dinti cu ascutire dubla pentru taieri precise si rapide in tevi si profile de otel, metale neferoase si lemn cu cuie*
- *de pana la 5 ori mai rapid in comparatie cu lamele de demolare standard.*
- *dinti frezati lateral. Pasul dintelui 2,5/1,8 mm - pas 10/14 dinți*
- *Bimetal cu HSS special din ASP*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
15122 00005	2.5 mm / 10 tpi	205 mm	225 x 25 x 1.1 mm	5	208.03
15122 00025	2.5 mm / 10 tpi	205 mm	225 x 25 x 1.1 mm	25	936.56

3062/300 NOU

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *panza performanta de 25 mm latime cu dinti cu ascutire dubla pentru taieri precise si rapide in tevi si profile de otel, metale neferoase si lemn cu cuie*
- *de pana la 5 ori mai rapid in comparatie cu lamele de demolare standard.*
- *dinti frezati lateral. Pasul dintelui 2,5/1,8 mm - pas 10/14 dinți*
- *Bimetal cu HSS special din ASP*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
15130 00005	2.5 mm / 10 tpi	280 mm	300 x 25 x 1.1 mm	5	270.82
15130 00025	2.5 mm / 10 tpi	280 mm	300 x 25 x 1.1 mm	25	1178.69

HC 22 Acrylic NOU

Panza HCS pentru fierastrau sabie pentru acrilic/perspex

- *design similar cu HC 12, doar mai subtire si mai ingust*
- *perfect pentru taieturi precise in acrilic / perspex (PMMA), deoarece spatiile dintre dinți nu se infunda*
- *de asemenea, este potrivit pentru taieturi curbe si curate in lemn*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU saw blades Plexiglas

	TPI	Lungime taiere	Dimensiuni	Ambalare	
02177 00005	2.5 mm / 10 tpi	80 mm	100x6.5x1.27 mm	5	45.57

3025/100 NOU

Panza HCS pentru fierastrau sabie pentru gips-carton

- *special pentru lucrări în construcții de gips-carton cu un fierastrau alternativ (de asemenea / mai ales la fierastrau de o singură mâna)*
- *dinți frezati lateral. Format 100x19x1,05 mm - 4,2 mm / 6 dinti - HCS*
- *fierastraie: AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer*



WILPU saw blades

	TPI	Lungime taiere	Dimensiuni	Ambalare	
12410 00005	4.2 mm / 6 tpi	80 mm	100x19x1.05 mm	5	48.03

3055/150

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri lemn < 100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades LONG LIFE HYPERCUT

	TPI	Lungime taiere	Dimensiuni	Ambalare	
15715 00003	4,2 mm / 6 tpi	130 mm	150 x 22 x 1,57 mm	3	106.64
15715 00025	4,2 mm / 6 tpi	130 mm	150 x 22 x 1,57 mm	25	798.55

3055/225

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri lemn < 190 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
15722 00003	4,2 mm / 6 tpi	205 mm	225 x 22 x 1,57 mm	3	132.17
15722 00025	4,2 mm / 6 tpi	205 mm	225 x 22 x 1,57 mm	25	1023.01

3055/300

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri lemn < 250 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





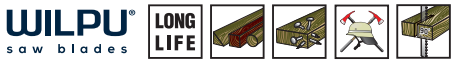
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15730 00003	4,2 mm / 6 tpi	280 mm	300 x 22 x 1,57 mm	3	180.40

3058/225

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri lemn si lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



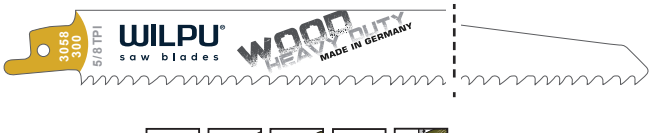


	TPI	Lungime taiere	Dimensiuni	Ambalare	
15622 00003	5/3,2 mm / 5/8 tpi	205 mm	225 x 22 x 1,57 mm	3	159.04
15622 00025	5/3,2 mm / 5/8 tpi	205 mm	225 x 22 x 1,57 mm	25	1172.87

3058/300

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri lemn si lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





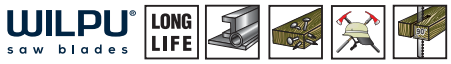
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15630 00003	5/3,2 mm / 5/8 tpi	280 mm	300 x 22 x 1,57 mm	3	203.77
15630 00025	5/3,2 mm / 5/8 tpi	280 mm	300 x 22 x 1,57 mm	25	1505.97

3060/150

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri lemn si lemn cu cuie, metal 4.0-12.0 mm*
- *poate fi folosit si cu dispozitivul de taiere a tevilor*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





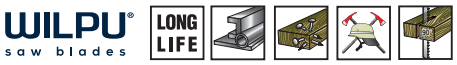
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15315 00003	3,2/2,5 / 8/10 tpi	130 mm	150 x 22 x 1,57 mm	3	106.64
15315 00025	3,2/2,5 / 8/10 tpi	130 mm	150 x 22 x 1,57 mm	25	798.55

3060/225

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri lemn si lemn cu cuie, metal 4.0-12.0 mm*
- *poate fi folosit si cu dispozitivul de taiere a tevilor*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





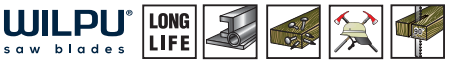
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15322 00003	3,2/2,5 / 8/10 tpi	205 mm	225 x 22 x 1,57 mm	3	152.37
15322 00025	3,2/2,5 / 8/10 tpi	205 mm	225 x 22 x 1,57 mm	25	1204.41

3060/300

Panza Bi-Metal pentru fierastrau sabie pentru demolari

- *dinti frezati, ceaprazuire din lateral*
- *panza robusta pentru taieri rapide si drepte*
- *ideala pentru taieri lemn si lemn cu cuie, metal 4.0-12.0 mm*
- *poate fi folosit si cu dispozitivul de taiere a tevilor*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





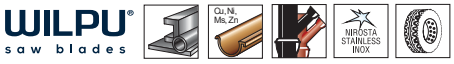
	TPI	Lungime taiere	Dimensiuni	Ambalare	
15330 00003	3,2/2,5 / 8/10 tpi	280 mm	300 x 22 x 1,57 mm	3	195.42

3049/150 HM

Panza sabie pentru otel inoxidabil Ultimate Carbide

- *panza specială deosebit de stabilă ideală pentru tăieri rapide în metal, oțel inoxidabil, metale neferoase, armături, fontă, cauciuc armat cu metal*
- *grosime maxima de taiere <100 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





Ref. Bosch S 956 XH

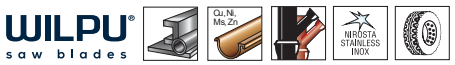
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16615 00001	3.2 mm / 8 tpi	100 mm	150 x 25 x 1,5 mm	1	148.03
16615 00010	3.2 mm / 8 tpi	100 mm	150 x 25 x 1,5 mm	10	1410.01

3049/225 HM

Panza sabie pentru otel inoxidabil Ultimate Carbide

- *panza speciala deosebit de stabila ideală pentru taieri rapide în metal, oțel inoxidabil, metale neferoase, armături, fontă, cauciuc armat cu metal*
- *grosime maxima de taiere <175 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





Ref. Bosch S 1156 XHM

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16622 00001	3.2 mm / 8 tpi	175 mm	228 x 25 x 1,5 mm	1	**199.67**
16622 00010	3.2 mm / 8 tpi	175 mm	228 x 25 x 1,5 mm	10	**1896.2**

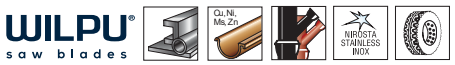
3049/300 HM

NOU

Panza sabie pentru otel inoxidabil Ultimate Carbide

- *panza speciala deosebit de stabila ideală pentru taieri rapide în metal, oțel inoxidabil, metale neferoase, armături, fontă, cauciuc armat cu metal*
- *grosime maxima de taiere <250 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





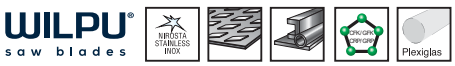
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16623 00001	3.2 mm / 8 tpi	280 mm	300 x 25 x 1,5 mm	1	**240.46**
16623 00010	3.2 mm / 8 tpi	280 mm	300 x 25 x 1,5 mm	10	**2223.15**

3042/115 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura rectificata, cu carbura de tungsten*
- *ideala pentru otel inoxidabil, produse ranforsate cu fibra de sticla, epoxy*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





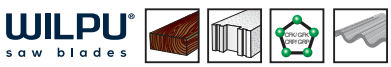
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16310 00002	1,4 mm / 18 tpi	95 mm	115 x 19 x 1,25 mm	2	**154.45**

3040/150 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cu carbura de tungsten*
- *ideala pentru lemn dur, BCA, produse ranforsate cu fibra de sticla*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





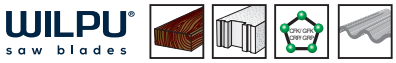
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16115 00001	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,3 mm	1	**215.78**

3040/300 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cu carbura de tungsten*
- *ideala pentru lemn dur, BCA, produse ranforsate cu fibra de sticla*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





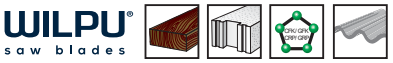
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16130 00001	4,2 mm / 6 tpi	280 mm	300 x 19 x 1,3 mm	1	**321.59**

3041/225 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cu carbura de tungsten*
- *ideala pentru lemn dur, BCA, produse ranforsate cu fibra de sticla*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





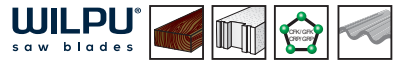
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16222 00001	8,5 mm / 3 tpi	205 mm	225 x 19 x 1,3 mm	1	**173.06**

3041/300 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cu carbura de tungsten*
- *ideala pentru lemn dur, BCA, produse ranforsate cu fibra de sticla*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





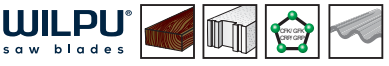
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16230 00001	8,5 mm / 3 tpi	280 mm	300 x 19 x 1,3 mm	1	**201.43**

3041/400 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cu carbura de tungsten*
- *ideala pentru lemn dur, BCA, produse ranforsate cu fibra de sticla*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
16240 00001	8,5 mm / 3 tpi	380 mm	400 x 19 x 1,3 mm	1	**307.07**

3048/305 HM

Panza fierastrau sabie pentru zidarie

• panza lata specială ideală pentru tăieri curate în unghiuri precise în materiale speciale, de ex. caramida cu goluri / blocuri ceramice, BCA si boltari
• grosime maxima de taiere <215 mm
• potrivita pentru mașini de la 1.000 W
• fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer



WILPU saw blades

Ref. Bosch S 1243 HM

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16630 00001	13 mm / 2 tpi	215 mm	305 x 50 x 1,5 mm	1	195.76

3048/455 HM

Panza fierastrau sabie pentru zidarie

• panza lata specială ideală pentru tăieri curate în unghiuri precise în materiale speciale, de ex. caramida cu goluri / blocuri ceramice, BCA si boltari
• grosime maxima de taiere <365 mm
• potrivita pentru mașini de la 1.000 W
• fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer



WILPU saw blades

Ref. Bosch S 2243 HM

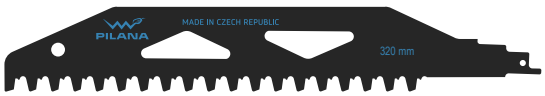
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16645 00001	13 mm / 2 tpi	365 mm	455 x 50 x 1,5 mm	1	281.20

F-3013-24-P

5295/320 NOU

Panza sabie pentru materiale de constructii

• panza fierastrau sabie cu dinti din carbura de tungsten pentru zidarie
• se utilizeaza la fierastraiele electrice sabie (alternative) pentru taierea blocurilor de BCA (beton celular autoclavizat), a caramizilor cu goluri, a blocurilor ceramice cu goluri si a boltarilor.
• compatibil cu fierastraie: Atlas Copco, AEG, Bosch, DeWalt, Elu, Festo, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Milwaukee, Einhell, Black & Decker, Parkside, Stanley, Hecht, Güde etc.



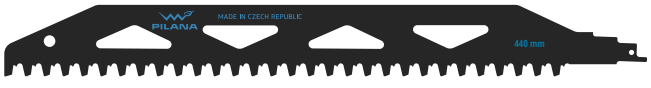
PILANA

	Lungime	Latime	Grosime	Dantura	Ambalare	
5295320000	320	50	1,5	2 TPI	1	72.13

5295/440 NOU

Panza sabie pentru materiale de constructii

• panza fierastrau sabie cu dinti din carbura de tungsten pentru zidarie
• se utilizeaza la fierastraiele electrice sabie (alternative) pentru taierea blocurilor de BCA (beton celular autoclavizat), a caramizilor cu goluri, a blocurilor ceramice cu goluri si a boltarilor.
• compatibil cu fierastraie: Atlas Copco, AEG, Bosch, DeWalt, Elu, Festo, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Milwaukee, Einhell, Black & Decker, Parkside, Stanley, Hecht, Güde etc.



PILANA

	Lungime	Latime	Grosime	Dantura	Ambalare	
5295440000	440	50	1,5	2 TPI	1	100.00

5295/500 NOU

Panza sabie pentru materiale de constructii

• panza fierastrau sabie cu dinti din carbura de tungsten pentru zidarie
• se utilizeaza la fierastraiele electrice sabie (alternative) pentru taierea blocurilor de BCA (beton celular autoclavizat), a caramizilor cu goluri, a blocurilor ceramice cu goluri si a boltarilor.
• compatibil cu fierastraie: Atlas Copco, AEG, Bosch, DeWalt, Elu, Festo, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Milwaukee, Einhell, Black & Decker, Parkside, Stanley, Hecht, Güde etc.



PILANA

	Lungime	Latime	Grosime	Dantura	Ambalare	
5295500000	500	50	1,5	2 TPI	1	113.11

5295/550 NOU

Panza sabie pentru materiale de constructii

• panza fierastrau sabie cu dinti din carbura de tungsten pentru zidarie
• se utilizeaza la fierastraiele electrice sabie (alternative) pentru taierea blocurilor de BCA (beton celular autoclavizat), a caramizilor cu goluri, a blocurilor ceramice cu goluri si a boltarilor.
• compatibil cu fierastraie: Atlas Copco, AEG, Bosch, DeWalt, Elu, Festo, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Milwaukee, Einhell, Black & Decker, Parkside, Stanley, Hecht, Güde etc.



PILANA

	Lungime	Latime	Grosime	Dantura	Ambalare	
5295550000	550	50	1,5	2 TPI	1	122.95

3043/235 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

• dantura cu carbura de tungsten, unghi de ascutire pozitiv
• ideala pentru taieri rapide in BCA, caramida, fibro-ciment
• grosime de taiere: 2,5 mm
• fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16423 00001	10 mm / 2,5 tpi	205 mm	235 x 20 x 1,2 mm	1	237.98

3043/300 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

• dantura cu carbura de tungsten, unghi de ascutire pozitiv
• ideala pentru taieri rapide in BCA, caramida, fibro-ciment
• grosime de taiere: 2,5 mm
• fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16430 00001	10 mm / 2,5 tpi	280 mm	300 x 20 x 1,2 mm	1	276.70

3043/300H HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cu carbura de tungsten, unghi de ascutire pozitiv*
- *ideala pentru taieri rapide in BCA, caramida, fibro-ciment*
- *grosime de taiere: 2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16431 00001	10 mm / 2,5 tpi	280 mm	300 x 50 x 1,2 mm	1	323.26

3043/450H HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cu carbura de tungsten, unghi de ascutire pozitiv*
- *ideala pentru taieri rapide in BCA, caramida, fibro-ciment*
- *grosime de taiere: 2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16450 00001	10 mm / 2,5 tpi	430 mm	450 x 50 x 1,2 mm	1	452.76

3044/235 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cilindrica cu carbura de tungsten, unghi de ascutire pozitiv*
- *ideala pentru taieri drepte in BCA, caramida, clinker*
- *grosime de taiere: 2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16523 00001	17 mm / 1,5 tpi	205 mm	215 x 20 x 1,1 mm	1	195.92

3044/300H HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cilindrica cu carbura de tungsten, unghi de ascutire pozitiv*
- *ideala pentru taieri drepte in BCA, caramida, clinker*
- *grosime de taiere: 2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16530 00001	17 mm / 1,5 tpi	280 mm	300 x 50 x 1,1 mm	1	280.03

3044/400 HM

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *dantura cilindrica cu carbura de tungsten, unghi de ascutire pozitiv*
- *ideala pentru taieri drepte in BCA, caramida, clinker*
- *grosime de taiere: 2,5 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16540 00001	8,5 mm / 3 tpi	380 mm	400 x 19 x 1,3 mm	1	275.53

D 12/150

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *lama cu carbura de tungsten*
- *ideala pentru tevi din fonta, caramida, placi ceramice, materiale ranforsate cu fibra de sticla*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16815 00002	-	130 mm	150 x 19 x 1,05 mm	2	114.65

D 12/200

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *lama cu carbura de tungsten*
- *ideala pentru tevi din fonta, caramida, placi ceramice, materiale ranforsate cu fibra de sticla*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16820 00002	-	180 mm	200 x 19 x 1,05 mm	2	149.03

D 12/230

Panza HM/T.C.T. pentru fierastrau sabie pentru materiale de constructii

- *lama cu carbura de tungsten*
- *ideala pentru tevi din fonta, caramida, placi ceramice, materiale ranforsate cu fibra de sticla*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



WILPU saw blades LONG LIFE

	TPI	Lungime taiere	Dimensiuni	Ambalare	
16823 00002	-	210 mm	230 x 19 x 1,05 mm	2	166.05

DT 200

Panza HCS/CV pentru fierastrau sabie pentru materiale de constructii si placi ceramice

- *lama diamantata*
- *ideala pentru tevi din fonta, fonta, caramida, placi ceramice si produse ramforsate cu fibra de sticla*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
16920 00001	-	180 mm	200 x 19 x 1,05 mm	3	165.72

INOX 300

Panza INOX pentru fierastrau sabie pentru alimente inghetate

- *panza din otel inoxidabil, dinti frezati, ceaprazuire din lateral*
- *ideala pentru alimente inghetate, gheata pana la 250 mm si lemn*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





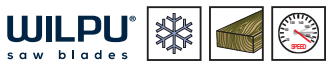
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16930 00001	6,35 mm / 4 tpi	280 mm	300 x 25 x 1,25 mm	1	74.60

INOX 400

Panza INOX pentru fierastrau sabie pentru alimente inghetate

- *panza din otel inoxidabil, dinti frezati, ceaprazuire din lateral*
- *ideala pentru alimente inghetate, gheata pana la 350 mm si lemn*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
16940 00001	6,35 mm / 4 tpi	380 mm	400 x 25 x 1,25 mm	1	114.15

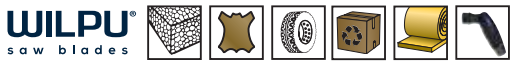
RWM 150

NOU

Panza HCS/CV pentru fierastrau sabie pentru piele, cauciuc si carton

- *dantura dublu ondulata*
- *ideala pentru burete (EPS, PUR), polistiren, piele, cauciuc, carton, covoare pana la 175 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





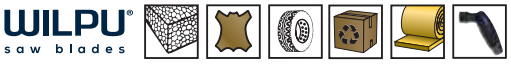
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16015 00002	-	130 mm	150 x 19 x 1,27 mm	2	103.77

RWM 225

Panza HCS/CV pentru fierastrau sabie pentru piele, cauciuc si carton

- *dantura dublu ondulata*
- *ideala pentru burete (EPS, PUR), polistiren, piele, cauciuc, carton, covoare pana la 175 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
16022 00002	-	205 mm	225 x 19 x 1,27 mm	2	102.97

RWM 300

Panza HCS/CV pentru fierastrau sabie pentru piele, cauciuc si carton

- *dantura dublu ondulata*
- *ideala pentru burete (EPS, PUR), polistiren, piele, cauciuc, carton, covoare pana la 250 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





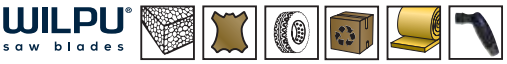
	TPI	Lungime taiere	Dimensiuni	Ambalare	
16030 00002	-	280 mm	300 x 19 x 1,27 mm	2	177.40

RWM 450

Panza HCS/CV pentru fierastrau sabie pentru piele, cauciuc si carton

- *dantura dublu ondulata*
- *ideala pentru burete (EPS, PUR), polistiren, piele, cauciuc, carton, covoare pana la 400 mm*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
16045 00002	-	430 mm	450 x 19 x 1,27 mm	2	234.64

RWM 500 DS

Panza HCS/CV pentru fierastrau sabie pentru piele, cauciuc si carton

- *dantura ondulata dubla, pentru taieri rapide si curate in vata minerala, spume (EPS/PUR), polistiren, piele, cauciuc, hartie cu grosimi de pana la 450 mm.*
- *zona ingusta este recomandata pentru taieri in materiale moi si flexibile cum ar fi vata minerala.*
- *zona mai lata este recomandata pentru materiale rigide cum ar fi placi de spuma (EPS/PUR).*
- *recomandat pentru utilizare manuala impreuna cu manerul Multi-Tool.*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





	TPI	Lungime taiere	Dimensiuni	Ambalare	
16050 00001	-	470 mm	500 x 29 x 1,4 mm	1	388.51

366355 NOU

Panza HCS/CV pentru fierastrau sabie pentru piele, cauciuc si carton

- *dantura ondulata dubla, pentru taieri rapide si curate in vata minerala, spume (EPS/PUR), polistiren, piele, cauciuc, hartie cu grosimi de pana la 250 mm.*
- *zona ingusta este recomandata pentru taieri in materiale moi si flexibile cum ar fi vata minerala.*
- *zona mai lata este recomandata pentru materiale rigide cum ar fi placi de spuma (EPS/PUR).*
- *recomandat pentru utilizare manuala impreuna cu manerul Multi-Tool.*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*



EDMA UN OUTIL D'AVANCE



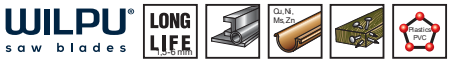
	TPI	Lungime taiere	Dimensiuni	Ambalare	
366355	-	280 mm	300 x 19 x 1,27 mm	1	187.54

006/150 BI

Panza Bi-Metal pentru fierastrau sabie pentru neferoase, otel, PVC si lemn cu cuie

- *panza speciala cu ascutire M, patentata*
- *dantura robusta cu taiere in ambele sensuri, asigurand o taiere rapida si durata de viata prelungita*
- *recomandata pentru otel 1,5-6 mm, metale neferoase, PVC, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





Utilizati cu actionare orbitala!

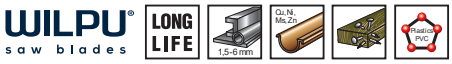
	TPI	Lungime taiere	Dimensiuni	Ambalare	
18515 00005	1,3 mm / 8 tpi	130 mm	150 x 19 x 0,9 mm	5	137.51

006/200 BI

Panza Bi-Metal pentru fierastrau sabie pentru neferoase, otel, PVC si lemn cu cuie

- *panza speciala cu ascutire M, patentata*
- *dantura robusta cu taiere in ambele sensuri, asigurand o taiere rapida si o durata de viata prelungita*
- *recomandata pentru otel 1,5-6 mm, metale neferoase, PVC, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





Utilizati cu actionare orbitala!

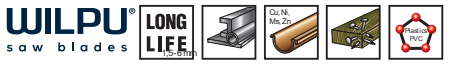
	TPI	Lungime taiere	Dimensiuni	Ambalare	
18520 00005	1,3 mm / 8 tpi	180 m	200 x 19 x 0,9 mm	5	159.38

007/150 BI

Panza Bi-Metal pentru fierastrau sabie pentru neferoase, otel, PVC si lemn cu cuie

- *panza speciala cu ascutire M, patentata*
- *dantura robusta cu taiere in ambele sensuri, asigurand o taiere rapida si o durata de viata prelungita*
- *recomandata pentru otel 2,5-10 mm, metale neferoase, PVC, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





Utilizati cu actionare orbitala!

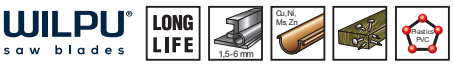
	TPI	Lungime taiere	Dimensiuni	Ambalare	
18615 00005	1,7 mm / 5 tpi	130 mm	150 x 19 x 0,9 mm	5	137.51

007/200 BI

Panza Bi-Metal pentru fierastrau sabie pentru neferoase, otel, PVC si lemn cu cuie

- *panza speciala cu ascutire M, patentata*
- *dantura robusta cu taiere in ambele sensuri, asigurand o taiere rapida si o durata de viata prelungita*
- *recomandata pentru otel 2,5-10 mm, metale neferoase, PVC, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





Utilizati cu actionare orbitala!

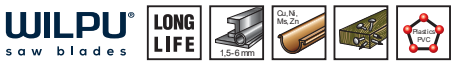
	TPI	Lungime taiere	Dimensiuni	Ambalare	
18620 00005	1,7 mm / 5 tpi	180 mm	200 x 19 x 0,9 mm	5	159.38

007/280 BI

Panza Bi-Metal pentru fierastrau sabie pentru neferoase, otel, PVC si lemn cu cuie

- *panza speciala cu ascutire M, patentata*
- *dantura robusta cu taiere in ambele sensuri, asigurand o taiere rapida si o durata de viata prelungita*
- *recomandata pentru otel 2,5-10 mm, metale neferoase, PVC, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





Utilizati cu actionare orbitala!

	TPI	Lungime taiere	Dimensiuni	Ambalare	
18628 00005	1,7 mm / 5 tpi	260 mm	280 x 19 x 0,9 mm	5	186.91

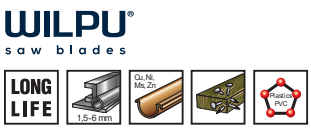
007 DS/240 BI

Panza Bi-Metal cu prindere in ambele parti pentru fierastrau sabie pentru neferoase, otel, PVC si lemn cu cuie

- *panza speciala cu ascutire M, patentata*
- *dantura robusta cu taiere in ambele sensuri, asigurand o taiere rapida si o durata de viata prelungita*
- *recomandata pentru otel > 2,5 mm, metale neferoase, PVC, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*

Utilizati cu actionare orbitala!







	TPI	Lungime taiere	Dimensiuni	Ambalare	
18822 00005	1,7 mm / 5 tpi	200 mm	240 x 19 x 0,9 mm	5	165.72

007 D/200 bi

Panza Bi-Metal pentru fierastrau sabie pentru neferoase, otel, PVC si lemn cu cuie

- *panza speciala cu ascutire M, patentata*
- *dantura robusta cu taiere in ambele sensuri, asigurand o taiere rapida si o durata de viata prelungita*
- *recomandata pentru otel > 2,5 mm, metale neferoase, PVC, lemn cu cuie*
- *fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer*





Utilizati cu actionare orbitala!

	TPI	Lungime taiere	Dimensiuni	Ambalare	
18720 00005	1,7 mm / 5 tpi	180 mm	200 x 19 x 1,27 mm	5	214.45

L 2014

Panza sabie pentru masini pneumatice, pentru materiale sandwich

- *dantura ascutita lateral*
- *ideala pentru materiale sandwich*
- *fierastraie: Pneutec, Ober, Shinano, Rodcraft*





	TPI	Dimensiuni	Ambalaret	
20014 00105	1,8 mm / 14 tpi	95 x 12,3 x 0,63 mm	5	**61.91**

LS 2014

Panza sabie pentru masini pneumatice, pentru materiale sandwich

- *dantura ascutita lateral*
- *ideala pentru materiale sandwich*
- *fierastraie: SIG, Flex*





	TPI	Dimensiuni	Ambalare	
20114 00105	1,8 mm / 14 tpi	95 x 12,3 x 0,63 mm	5	**71.59**

L 2018

Panza sabie pentru masini pneumatice, pentru plastic si aluminiu

- *dantura ascutita lateral*
- *ideala pentru plastic si aluminiu*
- *fierastraie: Pneutec, Ober, Shinano, Rodcraft*





	TPI	Dimensiuni	Ambalare	
20018 00105	1,4 mm / 18 tpi	95 x 12,3 x 0,63 mm	5	**61.91**

LS 2018

Panza sabie pentru masini pneumatice, pentru plastic si aluminiu

- *dantura ascutita lateral*
- *ideala pentru plastic si aluminiu*
- *fierastraie: SIG, Flex*





	TPI	Dimensiuni	Ambalare	
20118 00105	1,4 mm / 18 tpi	95 x 12,3 x 0,63 mm	5	**71.59**

L 2024

Panza sabie pentru masini pneumatice, pentru metal

- *dantura cu ascutire ondulata*
- *ideala pentru otel si tabla din otel*
- *fierastraie: Pneutec, Ober, Shinano, Rodcraft*





	TPI	Dimensiuni	Ambalare	
20024 00105	1,0 mm / 24 tpi	95 x 12,3 x 0,63 mm	5	**61.91**

LS 2024

Panza sabie pentru masini pneumatice, pentru metal

- *dantura cu ascutire ondulata*
- *ideala pentru otel si tabla din otel*
- *fierastraie: SIG, Flex*





	TPI	Dimensiuni	Ambalare	
20124 00105	1,0 mm / 24 tpi	95 x 12,3 x 0,63 mm	5	**71.59**

L 2032

Panza sabie pentru masini pneumatice, pentru metal

- *dantura cu ascutire ondulata*
- *ideala pentru otel si tabla din otel*
- *fierastraie: Pneutec, Ober, Shinano, Rodcraft*





	TPI	Dimensiuni	Ambalare	
20032 00105	0,7 mm / 32 tpi	95 x 12,3 x 0,63 mm	5	**61.91**

LS 2032

Panza sabie pentru masini pneumatice, pentru metal

- *dantura cu ascutire ondulata*
- *ideala pentru otel si tabla din otel*
- *fierastraie: SIG, Flex*





	TPI	Dimensiuni	Ambalare	
20132 00105	0,7 mm / 32 tpi	95 x 12,3 x 0,63 mm	5	**71.59**

14699 00000

Expozitor panze pentru fierastrau sabie

• include panze pentru lemn, matal pentru aplicatii speciale sau universale
• fierastraie: AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer



WILPU® saw blades

	TPI	Lungime taiere	Dimensiuni	Ambalare	
3 x 3019-150	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,27 mm	5	**8609.61**
3 x 3021-150	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,27 mm	5	
3 x 3021-150 Bi	4,2 mm / 6 tpi	130 mm	150 x 19 x 1,27 mm	5	
3 x 3021-225 Bi	4,2 mm / 6 tpi	205 mm	225 x 19 x 1,27 mm	5	
3 x 3021-300 Bi	4,2 mm / 6 tpi	280 mm	300 x 19 x 1,27 mm	5	
3 x 3029-240	6,35-5 mm / 4-5 tpi	220 mm	240 x 19 x 1,27 mm	5	
3 x 3030-300	3,0 mm / 8,5 tpi	280 mm	300 x 19 x 1,27 mm	5	
3 x 1014C-150	1,8 - 2,5 mm / 10-14 tpi	130 mm	150 x 19 x 0,9 mm	5	
3 x 1014C-200	1,8 - 2,5 mm / 10-14 tpi	180 mm	200 x 19 x 0,9 mm	5	
3 x 1014CD-200	1,8 - 2,5 mm / 10-14 tpi	180 mm	200 x 19 x 1,27 mm	5	
3 x 810F-150	1,8 - 2,5 mm / 10-14 tpi	130 mm	150 x 19 x 1,27 mm	5	
3 x 3013-150	1,8 mm / 14 tpi	130 mm	150 x 19 x 0,9 mm	5	
3 x 3014-150	1,4 mm/ 18 tpi	130 mm	150 x 19 x 0,9 mm	5	
3 x 3014-200	1,4 mm/ 18 tpi	180 mm	200 x 19 x 0,9 mm	5	
3 x 3018-200	2,5 mm/ 10 tpi	180 mm	200 x 19 x 0,9 mm	5	
3 x 3018-280	2,5 mm/ 10 tpi	260 mm	280 x 19 x 0,9 mm	5	
3 x 3055-150	4,2 mm/ 6 tpi	130 mm	150 x 22 x 1,57 mm	5	
3 x 3050-150	1,5 mm/ 10 tpi	130 mm	150 x 22 x 1,57 mm	5	
3 x 3056-225	1,8 - 2,5 mm / 10-14 tpi	205 mm	225 x 25 x 0,9 mm	5	
3 x D 12-200	-	180 mm	200 x 19 x 1,05 mm	5	
3 x 006-150	1,3 mm/ 19 tpi	130 mm	150 x 19 x 0,9 mm	5	
3 x 007-150	1,7 mm/ 15 tpi	130 mm	150 x 19 x 0,9 mm	5	
3 x RWM 300	-	280 mm	300 x 19 x 1,27 mm	5	
3 x 3er Sortiment	-	-	-	3	

Lemn Metal Universal Special

Multi-Tool

Maner Multi-Tool

• manerul Multi-Tool poate fi utilizat cu panze de fierastrau sabie cu prindere standard 1/2" precum si biti hexagonali 1/4".
• schimbare simpla si rapida a panzei/bitului datorita sistemului de blocare prin rotire.
• utilizabila chiar si in zone greu accesibile, acolo unde accesul sculelor electrice este limitat.
• magazie depozitare pentru 6 biti (bitii nu sunt inclusi).
• in combinatie cu panza de fierastrau sabie este solutia perfecta pentru taierea materialelor de izolare, a materialelor moi, gips-cartonului, polistirenului, etc.
• cu panzele de fierastrau potrivite poate fi utilizat pentru aplicatii simple in lemn si metal.





WILPU® saw blades

	Ambalare	
50605 00000	1	**121.49**

50606 00001

Maner Multi-Tool cu panza fierastrau sabie RWM

• maner Multi-Tool Wilpu cu panza fierastrau sabie pentru materiale de izolare: 1 x RWM 225 cu lungime taiere 205 mm si 1 x RWM 300 cu lungime taiere 280 mm.
• unealta perfecta pentru taierea materialelor de izolare.



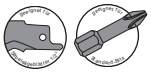






WILPU® saw blades





	Componente	Ambalare	
50606 00001	3	1	**256.84**
Multi-Tool, 1 x RWM 225, 1 x RWM 300			

Multi-Tool 1 (PH/PZ)

Maner Multi-Tool cu panze fierastrau si biti

• maner Multi-Tool Wilpu cu panza fierastrau sabie 1 x RWM 225, 1 x 3021/225, 1 x 1014C/200
3 biti PH: PH 1, PH 2, PH 3 si 3 biti PZ: PZ 1, PZ 2, PZ 3





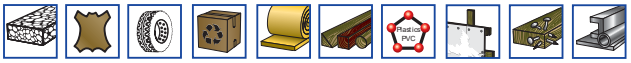






WILPU
saw blades





	Componente	Ambalare	
50610 00000	9	1	**344.28**

Multi-Tool, 1 x RWM 225, 1 x 3021/225, 1 x 1014C/200
biti PH: PH 1, PH 2, PH 3
biti PZ: PZ 1, PZ 2, PZ 3

Lemn Metal Universal Special

Domenii de utilizare panze fierastrau vertical

pentru fierastraie verticale: **AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer**

● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Lemn							Plastic				Metal				
																	
HC 19 R bi	60 mm	●	●	●	●	●	●			○		○					
HC 19 R STAR	91 mm	●	●	●	●	●	●		●								
HC 12	75 mm	●	●	●	●	●	○		●	○		○					
HC 12 bi	75 mm	●	●	●	●	●	○		●	○		○					
HC 12 D	75 mm	●	●	●	●	●	○		●	○		○					
HC 22 DV	75 mm	●	●	●	●	●	○		●	○		○					
HC 123 STAR	91 mm	●	●	●	●	●	○		●	●		●					
HC 12 K	50 mm	●	●	●	●	●	○		○	○		○					
HC 12 R	75 mm	●	●	●	●	●	○										
HC 12 R bi	75 mm	●	●	●	●	●	○										
HC 13	75 mm	●	●	●	●	●			●	○		○					
HC 13 bi	75 mm	●	●	●	●	●			●	○		○					
HC 14	75 mm	●	●	●	●	●			●	○							
HC 14 D	75 mm	●	●	●	●	●			●	○							
HC 14 XD bi	75 mm	●	●	●	●	●			○	○		○					
HC 32	105 mm	●	●	●	●	●			○	○		○					
HC 32 R	105 mm	●	●	●	●	●			○	○		○					
HC 33	105 mm	●	●	●	●	●			○	○							
HC 34	105 mm	●	●	●	●	●			○	○							
HC 34 D	105 mm	●	●	●	●	●											
HCGS 14 D	75 mm	●	●	●	●	●			○								
HG 13	75 mm	●	●	●	●	●											
HG 13 G	75 mm	●	●	●	●	●											
HGS 14	75 mm	●	●	●	●	●											
HGS 14 bi	75 mm	●	●	●	●	●											
HGS 24	75 mm	●	●	●	●	●											
HGS 24 DV	75 mm	●	●	●	●	●											
HGS 34	105 mm	●	●	●	●	●											
HGS 54	155 mm	●	●	●	●	●											
HW 11	50 mm	●		●					○								
HW 12	50 mm	●		●					○								
HW 12 K	50 mm	●		●					○					○	○	●	●
MC 12 bi	75 mm										●				●	●	
MG 107	55 mm												○		●	●	
MG 107 bi	55 mm													●	●	●	
MG 11	55 mm												○	●	●	●	
MG 11 bi	55 mm													●		○	●
MG 12	55 mm												○	●		○	●
MG 12 bi	55 mm													●	●	●	
MG 21	55 mm													●		●	
MG 31	105 mm												○	●		○	
MG 31 bi	105 mm												○	●		○	
MG 32 bi	105 mm												○	●	○	○	
MG 51 bi	155 mm												○	●		○	○
MG 52 bi	155 mm												○	●	○	○	
MG 14 bi	55 mm													●	○	○	
MG 1014 bi	75 mm							●						●	○	○	
MG 3059 BI	75 mm							●						●	○	○	
MGL 1014 bi	105 mm							●						○		○	●
K 14	75 mm								○		○			○		○	●
K 14 bi	75 mm								○		○			○		○	●
K 24	75 mm								○		○		○	●	○	○	
ST 006 bi	75 mm							●	○				○	●	○	○	
ST 007 bi	105 mm							●	○								
D 1/D 2	54 mm									●							
DT 1/DT 2	54 mm									●		●					
HM 100	75 mm	●			●					●							
HM 132	105 mm	●			●					●			●				
HM 11	50 mm													○	○	○	
HM 33	91 mm									●							
HWL 100	75 mm																
HWL 54	155 mm																

Domenii de utilizare panze fierastrau vertical

pentru fierastraie verticale: **AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool, Stayer**

● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Materiale diverse							Tip taiere						
															LONG LIFE
HC 19 R bi	60 mm								◆					◆	◆
HC 19 R STAR	91 mm								◆			◆		◆	
HC 12	75 mm								◆						
HC 12 bi	75 mm								◆						◆
HC 12 D	75 mm								◆				◆		
HC 22 DV	75 mm								◆		◆				
HC 123 STAR	91 mm								◆			◆			
HC 12 K	50 mm								◆		◆				
HC 12 R	75 mm								◆					◆	
HC 12 R bi	75 mm								◆					◆	◆
HC 13	75 mm								◆						
HC 13 bi	75 mm								◆						◆
HC 14	75 mm								◆						
HC 14 D	75 mm								◆				◆		
HC 14 XD bi	75 mm								◆		◆	◆	◆		◆
HC 32	105 mm								◆						
HC 32 R	105 mm								◆					◆	
HC 33	105 mm								◆						
HC 34	105 mm								◆						
HC 34 D	105 mm								◆				◆		
HGS 14 D	75 mm									◆		◆	◆		
HG 13	75 mm									◆		◆			
HG 13 G	75 mm									◆					
HGS 14	75 mm									◆		◆			
HGS 14 bi	75 mm									◆		◆			◆
HGS 24	75 mm									◆	◆	◆			
HGS 24 DV	75 mm									◆	◆	◆			
HGS 34	105 mm									◆		◆			
HGS 54	155 mm									◆		◆			
HW 11	50 mm									◆					
HW 12	50 mm									◆					
HW 12 K	50 mm									◆	◆				
MC 12 bi	75 mm								◆						◆
MG 107	55 mm														
MG 107 bi	55 mm														◆
MG 11	55 mm														
MG 11 bi	55 mm														◆
MG 12	55 mm														
MG 12 bi	55 mm														◆
MG 21	55 mm										◆				
MG 31	105 mm		●												
MG 31 bi	105 mm		●												◆
MG 32 bi	105 mm		●												◆
MG 51 bi	155 mm		●												◆
MG 52 bi	155 mm		●												◆
MG 14 bi	55 mm														◆
MG 1014 bi	75 mm														◆
MG 3059 bi	75 mm														◆
MGL 1014 bi	105 mm														◆
K 14	75 mm							○							
K 14 bi	75 mm														◆
K 24	75 mm										◆				
ST 006 bi	75 mm											◆			◆
ST 007 bi	105 mm											◆			◆
D 1/D 2	54 mm	○					●	○							
DT 1/DT 2	54 mm	○					●	○							
HM 100	75 mm									◆					◆
HM 132	105 mm									◆					◆
HM 11	50 mm														◆
HM 33	91 mm														◆
Messer	75 mm				●	●									
HWL 54	155 mm				●	●									

Domenii de utilizare panze fierastrau vertical

pentru fierastraie verticale: **Black & Decker, Skil, Ryobi**

● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Lemn							Plastic				Metal				
																	
UHC 12	75 mm	●	●	●	●	●	○		●	○		○					
UHC 12 R	75 mm	●	●	●	●	●	○		●			○					
UHC 14	75 mm	●	●	●	●	●			●	○							
UHC 32	105 mm	●	●	●	●	●			○	○		○					
UHG 13	75 mm	●	●	●	●	●			○								
UHG 14	75 mm	●	●	●	●	●			○								
UHGS 14	75 mm	●	●	●	●	●								●	●	●	
UMG 11	55 mm												○	●	●	●	
UMG 11 bi	55 mm													●		○	●
UMG 12	55 mm												○	●		○	●
UMG 12 bi	55 mm												○	●		○	●
UMG 31 bi	105 mm													○		○	●
UK 14 bi	75 mm								●	○	●						

Domenii de utilizare panze fierastrau vertical

pentru fierastraie verticale: **Fein AST(e) 636, 638; MOt 6-17-1**

● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Lemn							Plastic				Metal				
																	
37	65 mm	●	●	●	●	●			●	○		○					
38	65 mm	●	●	●	●	●			●	○							
35	55 mm													●	●	○	
35 bi	55 mm												○	●	●	○	
36	55 mm													●		●	○
36 bi	55 mm												○	●	●	●	●
39 bi	75 mm								○					●	●	●	●
77 bi	105 mm													●			

Domenii de utilizare panze fierastrau vertical

pentru fierastraie verticale: **Black & Decker, Skil, Ryobi**

● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Materiale diverse								Tip taiere						
																LONG LIFE
UHC 12	75 mm									◆						
UHC 12 R	75 mm									◆					◆	
UHC 14	75 mm									◆						
UHC 32	105 mm									◆						
UHG 13	75 mm										◆					
UHG 14	75 mm										◆					
UHGS 14	75 mm									◆		◆				
UMG 11	55 mm									◆						
UMG 11 bi	55 mm														◆	◆
UMG 12	55 mm															
UMG 12 bi	55 mm														◆	◆
UMG 31 bi	105 mm		●												◆	◆
UK 14 bi	75 mm												◆			◆

Domenii de utilizare panze fierastrau vertical

pentru fierastraie verticale: **Fein AST(e) 636, 638; MOt 6-17-1**

● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Materiale diverse								Tip taiere						
																LONG LIFE
37	65 mm									◆			◆			
38	65 mm									◆			◆			
35	55 mm									◆						
35 bi	55 mm									◆						◆
36	55 mm									◆						
36 bi	55 mm									◆						◆
39 bi	75 mm															◆
77 bi	105 mm		○							◆						◆

Domenii de utilizare panze fierastrau sabie

pentru fierastraie sabie: **AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer**

● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Lemn							Plastic			Metal				
																
3019/150	130 mm	●	○													
3019/225	205 mm	●	○													
3019/225 PC	205 mm	●	○													
3019/150 bi	130 mm	○	○													
3020/150	130 mm	●	○													
3021/150	130 mm	●	○						●							
3021/225	205 mm	●	○						●							
3021/300	280 mm	●	○						●							
3021/400	380 mm	●							●							
3021/150 bi	130 mm	●	○						●	○						
3021/225 bi	205 mm	●	○						●	○						
3021/300 bi	280 mm	●	○						●	○						
3022/150	130 mm	●	○						●							
3023/150	130 mm	●	○							○	●					
3023/240	220 mm	●	○													
3025/150	130 mm	●	○													
3025/300	280 mm	●	○													
3027/230	195 mm		●	●					●							
3028/230	195 mm		●	●				●	●							
3029/240	220 mm		○					●								
3030/225	205 mm	●	○					●								
3030/300	280 mm	●	○					●								
3035/240	220 mm	○	○					●								
3039/300	280 mm		○					●								
1014C/150	130 mm				●	●	●						○			
1014C/200	180 mm				●	●	●						○			
1014C/225	205 mm				●	●	●						○			
1014C/280	260 mm				●	○	●						○			
1014C/210 RS	190 mm				●	●	●						○			
1014CD/150	130 mm				●	●	●						○			
1014CD/200	180 mm				●	●	●						○			
1014CD/225	205 mm				●	●	●						○			
810C/150	130 mm				●	●	●						○			
810C/225	205 mm				●	●	●						○			
810F/150	130 mm				●	●	●						○			
810F/200	180 mm				●	●	●						○			
58C/150	130 mm	○			●	○	○						○			
58C/225	205 mm	○			●	○	○						○			
58C/300	280 mm	○			●	○	○						○			
46C/150	130 mm	●											○			
46C/210	190 mm	●											○			
3007/100	80 mm											○		●		
3015/150	130 mm											○	●	●		
3015/150	130 mm											○	●	●		
3015/200	180 mm											○	●	●		
3014/100	80 mm											○	●	○		
3014/150	130 mm											○	●	○		
3014/150 PC	130 mm											○	●	○		
3014/200	180 mm											○	●	○		
3014/250	230 mm											○	●	○		
3014/225 PC	205 mm											○	●	○		
3017/90	70 mm											○	●	○		
3013/100	80 mm											○	●	○		
3013/150	130 mm											○	●	○		
3013/200	180 mm											○	●	○		
3013/250	230 mm											○	●	○		
3013/150 PC	130 mm											○	●	○		
3013/225 PC	205 mm											○	●	○		

Domenii de utilizare panze fierastrau sabie

pentru fierastraie sabie: **AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer**

● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Materiale diverse												Tip taiere				
																		LONG LIFE
3019/150	130 mm														◆			
3019/225	205 mm														◆			
3019/225 PC	205 mm														◆			
3019/150 bi	130 mm														◆			◆
3020/150	130 mm													◆				
3021/150	130 mm				●										◆			
3021/225	205 mm				●										◆			
3021/300	280 mm				●										◆			
3021/400	380 mm				●	●									◆		◆	
3021/150 bi	130 mm														◆		◆	◆
3021/225 bi	205 mm														◆		◆	◆
3021/300 bi	280 mm														◆		◆	◆
3022/150	130 mm														◆	◆		
3023/150	130 mm													◆		◆		
3023/240	220 mm													◆		◆		
3025/150	130 mm				●					○					◆			
3025/300	280 mm				●					○					◆			
3027/230	195 mm													◆				
3028/230	195 mm														◆			
3029/240	220 mm														◆			
3030/225	205 mm														◆			
3030/300	280 mm														◆			
3035/240	220 mm														◆			
3039/300	280 mm														◆			
1014C/150	130 mm														◆			◆
1014C/200	180 mm														◆			◆
1014C/225	205 mm														◆			◆
1014C/280	260 mm														◆			◆
1014C/210 RS	190 mm														◆			◆
1014CD/150	130 mm														◆		◆	◆
1014CD/200	180 mm														◆		◆	◆
1014CD/225	205 mm														◆		◆	◆
810C/150	130 mm														◆			◆
810C/225	205 mm														◆			◆
810F/150	130 mm														◆			◆
810F/200	180 mm														◆			◆
58C/150	130 mm														◆			◆
58C/225	205 mm														◆			◆
58C/300	280 mm														◆			◆
46C/150	130 mm														◆			◆
46C/210	190 mm														◆			◆
3007/100	80 mm		○											◆				◆
3015/150	130 mm		○											◆				◆
3015/150	130 mm		○											◆				◆
3015/200	180 mm		○											◆				◆
3014/100	80 mm													◆				◆
3014/150	130 mm													◆				◆
3014/150 PC	130 mm													◆				◆
3014/200	180 mm													◆				◆
3014/250	230 mm													◆				◆
3014/225 PC	205 mm													◆				◆
3017/90	70 mm													◆		◆		◆
3013/100	80 mm													◆				◆
3013/150	130 mm													◆				◆
3013/200	180 mm													◆				◆
3013/250	230 mm													◆				◆
3013/150 PC	130 mm													◆				◆
3013/225 PC	205 mm													◆				◆

Domenii de utilizare panze fierastrau sabie

pentru fierastraie sabie: **AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer**

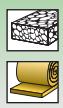
● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Lemn							Plastic			Metal				
																
3016/150	130 mm											○	●	○	●	○
3016/225	205 mm											○	●	○	●	○
3016/280	260 mm											○	●	○	●	○
3018/150	130 mm											○	●	○	●	●
3018/200	180 mm											○	●	○	●	●
3018/280	260 mm											○	●	○	●	●
3018/210 RS	190 mm				●							○	○	○	○	○
3027/230	195 mm	●	●	●												
3028/230	195 mm	●	●	●				●								
3050/150	130 mm				○	○	●		●			○	●	○	●	●
3050/225	205 mm				○	○	●		●			○	●			
3050/300	280 mm				○	○	●		●			○	●			
3055/150	130 mm	●	●													
3055/225	205 mm	●	●													
3055/300	280 mm	●	●													
3056/150	130 mm						●						○		○	
3056/225	205 mm						●						○			
3056/300	280 mm						●									
3057/150	130 mm											○	●	○		
3057/225	205 mm											○	●	○		
3057/300	280 mm											○	●	○		
3058/225	205 mm	●			○	○	○						○			
3058/300	280 mm	●			○	○	○						○			
3060/150	130 mm				○	○	●		●			○	●	○	●	●
3060/225	205 mm				○	○	●		●			○	●			
3060/300	280 mm				○	○	●		●			○	●			
3059/150 bi	130 mm											○	●	○	●	○
3040/150 HM	130 mm	●								●						
3040/300 HM	280 mm	●								●						
3041/225 HM	205 mm	●								●						
3041/300 HM	280 mm	●								●						
3041/400 HM	380 mm	●								●						
3042/115 HM	95 mm									●	●	●	●	●		
3043/235 HM	205 mm									●						
3043/300 HM	280 mm									●						
3043/300 H-HM	280 mm									●						
3043/450 HM	430 mm									●						
3044/235 HM	205 mm															
3044/300 HM	280 mm															
3044/400 HM	380 mm															
D 12/150	130 mm									○						
D 12/200	180 mm									○						
D 12/230	210 mm									○						
DT/200	180 mm									○						
006/150 bi	130 mm	○			●	●	●		○							
006/200 bi	180 mm	○			●	●	●		○							
007/150 bi	130 mm	○			●	●	●		○				●		●	
007/200 bi	180 mm	○			●	●	●		○				●		●	
007/280 bi	260 mm	○			●	●	●		○				●		●	
007D/200 bi	180 mm	○			●	●	●		○							
007DS/240 bi	200 mm	○							○							
Inox 300	280 mm	○							○							
Inox 400	380 mm	○							○							
RWM 225	205 mm								○							
RWM 300	280 mm								○							
RWM 450	430 mm								○							
RWM 500 DS	480 mm								○							

Domenii de utilizare panze fierastrau sabie

pentru fierastraie sabie: **AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil, Stayer**

● = speciale pentru
○ = potrivite pentru

Articol	Lungime	Materiale diverse													Tip taiere				
																			LONG LIFE
3016/150	130 mm																		◆
3016/225	205 mm																		◆
3016/280	260 mm																		◆
3018/150	130 mm																		◆
3018/200	180 mm																		◆
3018/280	260 mm																		◆
3018/210 RS	190 mm																		◆
3027/230	195 mm														◆				
3028/230	195 mm														◆				
3050/150	130 mm												●			◆		◆	◆
3050/225	205 mm												●			◆		◆	◆
3050/300	280 mm												●			◆		◆	◆
3055/150	130 mm												●			◆		◆	◆
3055/225	205 mm												●			◆		◆	◆
3055/300	280 mm												●			◆		◆	◆
3056/150	130 mm																		
3056/225	205 mm																		
3056/300	280 mm																		
3057/150	130 mm														◆			◆	◆
3057/225	205 mm														◆			◆	◆
3057/300	280 mm														◆			◆	◆
3058/225	205 mm												●			◆			◆
3058/300	280 mm												●			◆			◆
3060/150	130 mm												●			◆		◆	◆
3060/225	205 mm												●			◆		◆	◆
3060/300	280 mm												●			◆		◆	◆
3059/150 bi	130 mm																		◆
3040/150 HM	130 mm									●	●					◆			◆
3040/300 HM	280 mm										●	●				◆			◆
3041/225 HM	205 mm										●	●				◆			◆
3041/300 HM	280 mm										●	●				◆			◆
3041/400 HM	380 mm										●	●				◆			◆
3042/115 HM	95 mm															◆			◆
3043/235 HM	205 mm			●							●	●				◆			◆
3043/300 HM	280 mm			●							●	●				◆			◆
3043/300 H-HM	280 mm			●							●	●				◆			◆
3043/450 HM	430 mm			●							●	○				◆			◆
3044/235 HM	205 mm			●							●	○				◆			◆
3044/300 HM	280 mm			●							●	○				◆			◆
3044/400 HM	380 mm			○							●	○				◆			◆
D 12/150	130 mm		●	○					○		●	○							
D 12/200	180 mm		●	○					○		●	○							
D 12/230	210 mm		●	○					○		●	○							
DT/200	180 mm	●	●	●					●										
006/150 bi	130 mm														◆				◆
006/200 bi	180 mm														◆				◆
007/150 bi	130 mm														◆				◆
007/200 bi	180 mm														◆				◆
007/280 bi	260 mm														◆				◆
007D/200 bi	180 mm														◆			◆	◆
007DS/240 bi	200 mm																		
Inox 300	280 mm													●					
Inox 400	380 mm													●					
RWM 225	205 mm					●	●	●											
RWM 300	280 mm					●	●	●											
RWM 450	430 mm					●	●	●											
RWM 500 DS	480 mm					●	●	●											

8% COBALT HSS BIMETAL

Panza bomfaier HSS Co 8% pentru debitare otel dur si otel inoxidabil

Aplicatii si avantaje:

- *potrivite in special pentru oteluri foarte dure cu rezistenta la rupere de pana la 1200 N / mm², otel inoxidabil si materiale similare*
- *material bimetal din otel rapid, rezistente la rupere, tratament termic dublu pentru reducerea socurilor, taiere usoara*
- *panzele sunt destinate utilizarii profesionale si DIY*
- *duritatea dintilor: 64-67 HRC*
- *duritatea corpului: 50 ± 2 HRC*
- *ceaprazuirea dintilor: ondulata*
- *dimensiuni: 300 x 13 x 0,63 mm (12 x ½ x 0,025")*



Pilana METAL

	Lungime	Latime	Grosime	Pasul dintilor	
BC-3013-18-P	300	13	0,63	18 TPI	**6.71**
BC-3013-24-P	300	13	0,63	24 TPI	**6.71**
BC-3013-32-P	300	13	0,63	32 TPI	**6.71**

HSS BIMETAL

Panza bomfaier HSS Bi-Metal pentru debitare otel dur

Aplicatii si avantaje:

- *potrivite in special pentru otel cu o rezistenta la rupere de pana la 1100 N / mm² si materiale similare*
- *lama cu o durata lunga de viata: material HSS Bi-Metal, rezistent la rupere, tratament termic dublu pentru reducerea socurilor, taiere neteda si fara efort*
- *panzele sunt destinate pentru uz profesional si DIY*
- *material: HSS otel M2 (dantura) DIN 1.3343 si D6A (corpul panzei)*
- *duritatea dintilor: 63-65 HRC*
- *duritatea corpului panzei: 50 ± 1 HRC*
- *dantura ondulata*



Pilana METAL

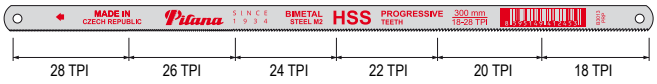
	Lungime	Latime	Grosime	Pasul dintilor	
B-3013-18-P	300	13	0,63	18 TPI	**6.09**
B-3013-24-P	300	13	0,63	24 TPI	**6.09**
B-3013-32-P	300	13	0,63	32 TPI	**6.09**

HSS BIMETAL PROGRESSIVE

Panza bomfaier HSS Bi-Metal cu dantura progresiva pentru debitare profile

Aplicatii si avantaje:

- *potrivite in special pentru debitare usoara a profilelor cu grosimi diferite ale peretilor.*
- *lama cu o durata lunga de viata: material HSS Bi-Metal, rezistent la rupere, tratament termic dublu pentru reducerea socurilor, taiere neteda si fara efort*
- *utilizare: diverse materiale, in special otel cu rezistenta la rupere < 1100 N/mm²*
- *panzele sunt destinate pentru uz profesional si DIY*
- *material: HSS otel M2 (dantura) DIN 1.3343 si D6A (corpul panzei)*
- *duritatea dintilor: 64-65 HRC*
- *duritatea corpului panzei: 50 ± 1 HRC*
- *dantura ondulata*



Pilana METAL

	Lungime	Latime	Grosime	Pasul dintilor	
B-3013-PR-P	300	13	0,63	18-28 TPI	**6.60**

HSS BIMETAL VARIABLE

Panza bomfaier HSS Bi-Metal cu dantura variabila pentru taieri rapide

Aplicatii si avantaje:

- *potrivite in special pentru debitare rapida*
- *lama cu o durata lunga de viata: material HSS Bi-Metal, rezistent la rupere, tratament termic dublu pentru reducerea socurilor, taiere neteda si fara efort*
- *utilizare: diverse materiale, in special otel cu rezistenta la rupere < 1100 N/mm²*
- *panzele sunt destinate pentru uz profesional si DIY*
- *material: HSS otel M2 (dantura) DIN 1.3343 si D6A (corpul panzei)*
- *duritatea dintilor: 64-65 HRC*
- *duritatea corpului panzei: 50 ± 1 HRC*
- *dantura ondulata*



Pilana METAL

	Lungime	Latime	Grosime	Pasul dintilor	
B-3013-VA-P	300	13	0,63	20/24 TPI	**6.40**

3% COBALT HSS FLEXIBLE

Panza bomfaier HSS Co 3% pentru debitare otel dur si otel inoxidabil

- *panzele sunt fabricate din benzi de otel HSS cu cobalt cu zona dintilor intarit*
- *tratamentul termic creeaza suprafete longitudinale diferite duritati*
- *dintii au o duritate de 63-65 HRS si sunt urmati de cateva zone cu duritate descrescatoare*
- *datorita acestei metode de tratare termica, panzele ofera o flexibilitate remarcabila*

Aplicatii si avantaje:

- *potrivite in special pentru oteluri foarte dure cu o rezistenta la rupere de pana la 900 N / mm², otel inoxidabil si materiale similare*
- *otel rapid, flexibilitate combinata cu duritate, incasabile, continut ridicat de cobalt, taiere precisa, neteda si sigura*
- *panzele sunt destinate utilizarii profesionale de DIY*
- *duritatea dintilor: 63-65 HRC*
- *ceaprazuirea dintilor: ondulata*
- *dimensiuni: 300 x 13 x 0,60 mm (12 x ½ x 0,024")*



Pilana METAL

	Lungime	Latime	Grosime	Pasul dintilor	
FC-3013-18-P	300	13	0,60	18 TPI	**6.87**
FC-3013-24-P	300	13	0,60	24 TPI	**6.87**
FC-3013-32-P	300	13	0,60	32 TPI	**6.87**

HSS FLEXIBLE

Panza bomfaier HSS pentru utilizare universala

- *panzele sunt realizate din benzi de otel HSS cu o zona de dinti intarita*
- *tratamentul termic creează suprafete longitudinale cu diferite duritati*
- *dintii care au o duritate de 62-65 HRS sunt urmati de cateva zone cu duritate descrescatoare*
- *datorita acestei metode de tratare termica, panzele ofera o flexibilitate remarcabila*

Aplicatii si avantaje:

- *potrivite pentru taierea diferitelor materiale cu rezistenta la rupere de pana la 700 N/mm²*
- *durata lunga de viata: realizate din otel rapid, flexibilile, rezistente la rupere, taiere precisa, neteda si sigura*
- *panzele sunt destinate pentru uz profesional si DIY*
- *material: HSS cu zona danturii tratata DIN 1.3333 (ABC III)*
- *duritatea dintilor: 64 ± 1 HRC*
- *dantura ondulata*



Pilana METAL

	Lungime	Latime	Grosime	Pasul dintilor	
F-3013-18-P	300	13	0,63	18 TPI	**6.10**
F-3013-24-P	300	13	0,63	24 TPI	**6.10**
F-3013-32-P	300	13	0,63	32 TPI	**6.10**

HSS ALL HARD

Panza bomfaier HSS pentru utilizare universala

• *panze HSS ALL HARD sunt fabricate din benzi de otel HSS intarite in sectiunea transversala completa si prin urmare nu sunt flexibile*
• *dintare pe ambele parti, ceaprazuire ondulata*
• *perfect pentru taierea otelului dur, a neferoaselor si a plasticelor*
• *calitatea otelului: DIN 1.3333 (ABC III)*
• *dimensiuni: 300 x 25 x 0,65 mm (12 x 1 x 0,025")*



Pilana METAL

	Lungime	Latime	Grosime	Pasul dintilor	
A-3025-24-P	300	25	0,65	24 TPI	18.20

HHS2-P

Panza bomfaier HSS pentru minibomfaier

• *potrivita pentru taierea metalului, cuprului, lemnului, plasticului, gips-cartonului, spumei moi etc.*
• *dintare pe ambele parti, 14 TPI / 24 TPI*
• *dimensiuni: 300 x 25 x 0,75 mm*



Pilana METAL

	Lungime	Latime	Grosime	Pasul dintilor	
HHS2-P	300	25	0,75	14 / 24 TPI	12.79

7751.1

Panza bomfaier HCS pentru utilizare DIY universala

• *panzele de bomfaier HCS sunt fabricate din otel cu continut ridicat de carbon, tratate termic prin inductie*
• *continutul ridicat de carbon permite producerea panzelor cu aceeaei duritate ca lamelele din otel HSS aceste panze nu sunt proiectate pentru proiecte deosebit de provocatoare, dar sunt foarte potrivite pentru utilizarea DIY*
• *otel fabricat in Republica Ceha, care garanteaza niveluri de calitate care depasesc produse similare de pe piata*
• *potrivit pentru taierea DIY a diferitelor materiale, cum ar fi otel, aluminiu si alte metale neferoase, material plastic*
• *taiere usoara si fara efort*
• *material: HCS*
• *dimensiune 300x13x0,65 mm*
• *pasul dintilor 24 TPI*
• *duritatea dintilor: 63-65 HRC*
• *dantura: ondulata*



KRONUS Professional Quality

	Lungime	Latime	Grosime	Pasul dintilor	
900591	300	13	0,65	24 TPI	3.18

7751.1/5

Set 5 panze bomfaier HCS pentru utilizare DIY universala

• *panzele de bomfaier HCS sunt fabricate din otel cu continut ridicat de carbon, tratate termic prin inductie*
• *continutul ridicat de carbon permite producerea panzelor cu aceeaei duritate ca lamelele din otel HSS aceste panze nu sunt proiectate pentru proiecte deosebit de provocatoare, dar sunt foarte potrivite pentru utilizarea DIY*
• *otel fabricat in Republica Ceha, care garanteaza niveluri de calitate care depasesc produse similare de pe piata*
• *potrivit pentru taierea DIY a diferitelor materiale, cum ar fi otel, aluminiu si alte metale neferoase, material plastic*
• *taiere usoara si fara efort*
• *material: HCS*
• *dimensiune 300x13x0,65 mm*
• *pasul dintilor 24 TPI*
• *duritatea dintilor: 63-65 HRC*
• *dantura: ondulata*



KRONUS Professional Quality

	Lungime	Latime	Grosime	Pasul dintilor	
900594	300	13	0,65	24 TPI	21.96

ALL HARD HIGH SPEED STEEL

Panza bomfaier HSS pentru utilizare universala

• *panza rigida, All Hard, pentru o taiere foarte precisa si o durata lunga de viata*
• *fabricata in intregime din otel de inaltă calitate, fiecare panza este intarita exact pe toata latimea sa, puternica si rigida, asigurand o taiere perfect dreapta*
• *piesa de prelucrat trebuie sa fie fixata in siguranta intr-o menghina pentru a preveni ruperea lamei*
• *potrivita toate tipurile de materiale, inclusiv aliaje de otel si otel inoxidabil*
• *duritatea dintilor: 64 ± 1 HRC*
• *dantura ondulata*
• *utilizare: diverse piese, in special otel cu rezistenta la rupere < 700 N/mm²*



BIPICO

	Lungime	Latime	Grosime	Pasul dintilor	
3001256324	300	12,5	0,63	24 TPI	5.32

BIMETAL HIGH SPEED STEEL

Panza bomfaier HSS Bi-Metal pentru utilizare universala

• *panza bimetal practic incasabila pentru o performanta excelenta de taiere, rezistenta la uzura si siguranta*
• *combinatia dintre marginea de taiere din otel rapid M42, sudata pe un corp din aliaj flexibil, ofera un nivel de putere de taiere si o flexibilitate care este cu mult superioara panzelor flexibile conventionale*
• *potrivita pentru toate tipurile de materiale, inclusiv aliajelor de otelurile si otel inoxidabil*
• *duritatea dintilor: 64-65 HRC*
• *duritatea corpului panzei: 50 ± 1 HRC*
• *dantura ondulata*
• *utilizare: diverse materiale, in special otel cu rezistenta la rupere < 1100 N/mm²*



BIPICO

	Lungime	Latime	Grosime	Pasul dintilor	
3001256324B	300	12,5	0,63	24 TPI	5.10

750.1B

Set 2 panze bomfaier HSS Bi-Metal pentru debitare otel dur

Aplicatii si avantaje:

• potrivite in special pentru otel cu o rezistenta la rupere de pana la 1100 N / mm² si materiale similare
• lama cu o durata lunga de viata: material HSS Bi-Metal, rezistent la rupere, tratament termic dublu pentru reducerea socurilor, taiere neteda si fara efort
• panzele sunt destinate pentru uz profesional si DIY
• material: HSS Bi-Metal
• duritatea dintilor: 63-65 HRC
• duritatea corpului panzei: 50 ± 1 HRC
• dantura ondulata



UNIOR

	Lungime	Latime	Grosime	Pasul dintilor	
621532	300	13	0,63	24 TPI	32.30

MYROS SPECIAL

Panza bomfaier otel carbon pentru utilizare universala

• marca originala MYROS SPECIAL acopera gama de panze nevopsite care sunt fabricate conform standardelor ČSN 222950 si ČSN 222951
• panzele sunt întărite prin inductie in ulei, care este, de asemenea, un conservant
• panzele au un design simplu pentru a asigura un pret scazut, dar valoarea utilitatii este comparabila cu valoarea panzelor HCS vopsite
• duritatea dintilor este de 63-65 HRC
• dantura ondulata
• utilizare: universala



MYROS™

Pilana METAL

	Lungime	Latime	Grosime	Pasul dintilor	
R-3020-24-P	300	20	0,65	24 TPI	2.20
R-3020-32-P	300	20	0,65	32 TPI	2.30
R-3025-24-P	300	25	0,65	24 TPI	2.61

MYROS SPECIAL KOMBI

Panza bomfaier otel carbon pentru utilizare multimaterial

• marca originala MYROS SPECIAL acopera gama de panze nevopsite care sunt fabricate conform standardelor ČSN 222950 si ČSN 222951
• panzele sunt întărite prin inductie in ulei, care este, de asemenea, un conservant
• panzele au un design simplu pentru a asigura un pret scazut, dar valoarea utilitatii este comparabila cu valoarea panzelor HCS vopsite
• duritatea dintilor este de 63-65 HRC
• cu dantura pe una sau amble parti
• dantura pe ambele parti diferita
• pe o parte dantura de 24 TPI pentru debitare metal, pe cealalta parte dantura de 8 TPI pentru debitare lemn sau 14 TPI pentru debitare plastic



Pilana METAL MYROS™

	Lungime	Latime	Grosime	Pasul dintilor	
K-3020-24/14-P	300	20	0,65	24/14 TPI	2.38
K-3020-24/8-P	300	20	0,65	24/8 TPI	2.38
K-3025-24/8-P	300	25	0,65	24/8 TPI	2.79

Tungsten Carbide

Panza bomfaier Tungsten Carbide pentru taiere lemn, plastic, placi ceramice

Aplicatii si avantaje:

• aceste panze Tungsten Carbide taie mai rapid si mai curat, oferind o performanta remarcabila, pe masura ce cursa de taiere este si la impingere si la tragere
• tehnologia speciala de sudura Boa ofera o eficienta sporita si o durata de viata mai lunga a lamei
• functioneaza cu mai putine agatari si vibratii, utilizand cel mai bun din otel din Marea Britanie si tungsten de inalta calitate
• potrivit pentru: aluminiu, sticla, ciment, caramida, portelan, piatra, teracota, portelan, terrazzo, placi aglomerate, MDF, ghips-carton, PVC



boa

	Lungime	Latime	Grosime	Pasul dintilor	
86012/car	300	13	-	-	5.32

750.1CAR

Set 2 panza bomfaier Tungsten Carbide pentru taiere lemn, plastic, placi ceramice

Aplicatii si avantaje:

• aceste panze Tungsten Carbide taie mai rapid si mai curat, oferind o performanta remarcabila, pe masura ce cursa de taiere este si la impingere si la tragere
• potrivit pentru: aluminiu, sticla, ciment, caramida, portelan, piatra, teracota, portelan, terrazzo, placi aglomerate, MDF, ghips-carton, PVC



UNIOR

	Lungime	Latime	Grosime	Pasul dintilor	
623099	300	13	-	-	86.52

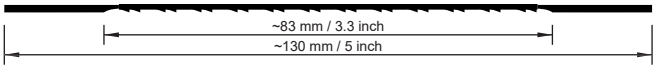


TAIFUN® 50

Taifun® 50 - dantura dubla, in blister carton (12 buc/set)



- *taieri curate ale muchiilor si colturilor, precum si a suprafetelor netede*
- *recomandat pentru lemn de esenta tare*



JOSEF HAUNSTETTER

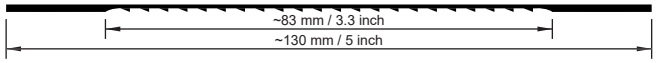
Nr.	Dimensiune mm	Dimensiune inch	TPI mm	TPI inch	
500386	3	0,82x0,36	.032x.014	9,5	24	18.32
500786	7	1,13x0,45	.044x.018	5,5	14	19.72

TAIFUN® 51

Taifun® 51 - dantura rara, in blister carton (12 buc/set)



- *taieri rapide si curate, datorita zonelor mari de evacuare*
- *recomandat pentru lemn si plastic*



JOSEF HAUNSTETTER

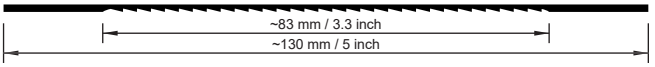
Nr.	Dimensiune mm	Dimensiune inch	TPI mm	TPI inch	
510186	1	0,76x0,34	.030x.013	10	25	19.27
510386	3	0,90x0,38	.035x.015	8	20	19.27
510586	5	0,97x0,40	.038x.016	5	13	19.27

GOLIATH® 52

Goliath® 52 - dantura normala, in blister carton (12 buc/set)



- *taieri fine si precise in materiale moi si subtiri*



JOSEF HAUNSTETTER

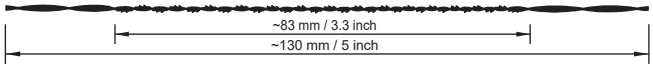
Nr.	Dimensiune mm	Dimensiune inch	TPI mm	TPI inch	
520186	1	0,67x0,32	.026x.013	18	46	16.95
520386	3	0,28x0,36	.032x.014	14	36	16.95
520586	5	0,97x0,40	.038x.016	10	25	16.95
520786	7	1,13x0,45	.044x.018	8	20	17.94

ZARSA® 80

Zarsa® 80 - dantura si capete in spirala, in blister carton (12 buc/set)



- *taieri in toate directiile, taieri curbe cu raze mici*
- *recomandat pentru toate materialele uzuale*



JOSEF HAUNSTETTER

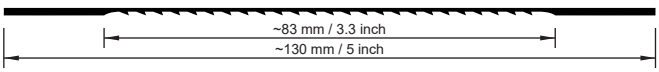
Nr.	Dimensiune mm	Dimensiune inch	TPI mm	TPI inch	
800186	1	0,90	0.035	20	51	28.01
800586	5	1,30	0.051	14	36	28.01

BLITZ®

Blitz® - dantura rara, in punga plastic (12 buc/set)



- *taieri rapide si curate, datorita zonelor mari de evacuare*
- *recomandat pentru lemn si plastic*



JOSEF HAUNSTETTER

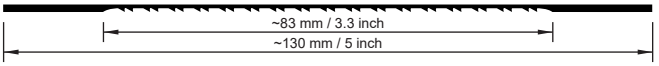
Nr.	Dimensiune mm	Dimensiune inch	TPI mm	TPI inch	
E520013	3	0,85x0,35	.033x.014	9,5	24	15.56
E520017	7	1,20x0,48	.047x.019	6,9	18	16.24

BLITZ®

Blitz® - dantura dubla, in punga plastic (12 buc/set)



- *taieri excelente in lemn subtire, de esenta tare si in materiale fibroase*



JOSEF HAUNSTETTER

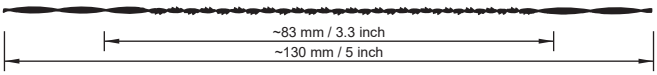
Nr.	Dimensiune mm	Dimensiune inch	TPI mm	TPI inch	
E520203	3	0,85x0,35	.033x.014	9,5	24	15.56
E520207	7	1,20x0,48	.047x.019	6,9	18	16.24

TORNADO®

Tornado® - dantura si capete in spirala, in punga plastic (12 buc/set)



- *taieri in toate directiile, taieri curbe cu raze mici*
- *recomandat pentru lemn moale si gips*



JOSEF HAUNSTETTER

Nr.	Dimensiune mm	Dimensiune inch	TPI mm	TPI inch	
E524011	1	0,90	0.035	16	41	18.03
E524013	3	1,30	0.051	14	36	18.03

593970

Set 24 de panze pentru traforaj manual



- *4 buc. Taifun 50 – No.1, No.5, No.9*
- *4 buc. Goliath 52 – No.3, No.7*
- *2 buc. Gnom – No.3, No.5*



JOSEF HAUNSTETTER

Nr. componente		
593970	24 panze	57.94

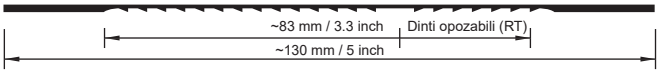
4 buc. **Taifun® 50** - No.1, No.5, No.9; 4 buc. **Goliath® 52** - No.3, No.7;
2 buc. **Gnom®** - No.3, No.5

TAIFUN® 56

Taifun® 56 - dinti opozabili, in blister carton (12 buc/set)



- *taieri rapide si curate, datorita zonelor mari de evacuare*
- *recomandat pentru toate tipurile de lemn si plastic*
- *dintii opozabili previn ruperea pe spatelele materialului prelucrat*



JOSEF HAUNSTETTER

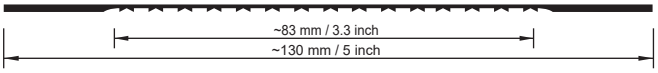
	Nr.	Dimensiune mm	Dimensiune inch	TPI inch	RT mm	
562086	2/0	0,62x0,29	.024x.011	30	21	**21.15**
560786	7	1,25x0,45	.049x.018	11	8	**22.29**

ELFE® 58

Elfe® 58 - dantura multipla, in blister carton (12 buc/set)



- *taieri in ambele sensuri*
- *rezultate deosebite cu suprafete netede si muchii fara aschii*
- *recomandat pentru materiale subtiri, lemn, plastic si plexic*



JOSEF HAUNSTETTER

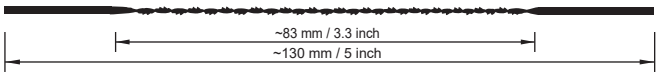
	Nr.	Dimensiune mm	Dimensiune inch	TPI mm	TPI inch	
582086	2/0	0,62x0,29	.024x.011	8	20	**14.99**
580386	3	0,82x0,36	.032x.014	6	16	**14.99**
580786	7	1,13x0,45	.044x.018	4	11	**14.99**

ZARSA® 81

Zarsa® 81 - dantura in spirala si capete plate, in blister carton (12 buc/set)



- *taieri rapide si curate, datorita zonelor mari de evacuare*
- *recomandat pentru lemn si plastic*



JOSEF HAUNSTETTER

	Nr.	Dimensiune mm	Dimensiune inch	TPI mm	TPI inch	
810086	0	0,85	0.033	20	51	**14.99**
810386	3	1,10	0.043	16	41	**14.99**
810486	4	1,30	0.051	14	36	**14.99**

592970

Set 24 de panze pentru traforaj electric



- *4 buc. Elfe – No.0, No.3*
- *4 buc. Taifun 56 GZ - No.5, No.7*
- *4 buc. Taifun 55 - No.9*
- *4 buc. Zarsa 81, dantura in spirala - No.3*



JOSEF HAUNSTETTER

	Nr. componente	
592970	24 panze	**65.32**

4 buc. **Elfe® 58** - No.0, No.3; 4 buc. **Taifun® 56 GZ** - No.5, No.7

4 buc. **Taifun® 55** - No.9; 4 buc. **Zarsa® 81**, dantura in spirala - No.3





PUK® 310

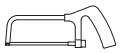
Panza universala, in blister carton (12 buc/set)

- *recomandat pentru taieri precise in metal, aluminiu, lemn, plastic, gips, neferoase*

PUK MADE IN GERMANY



JOSEF HAUNSTETTER



	Dimensiune mm	Dimensiune inch	TPI cm	TPI inch	
310111	150	6”	10	25	**56.75**

PUK® 312

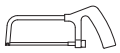
Panza pentru metal, in blister carton (12 buc/set)

- *recomandat pentru taieri precise in metal, otel, cupru, plastic, plexic, neferoase*

PUK MADE IN GERMANY



JOSEF HAUNSTETTER



	Dimensiune mm	Dimensiune inch	TPI cm	TPI inch	
312121	150	6”	12	32	**56.75**

PUK® 313

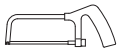
Panza pentru lemn, in blister carton (12 buc/set)

- *taieri fara efort in lemn de esenta moale sau dura, PAL, carton, plastic moale*

PUK MADE IN GERMANY



JOSEF HAUNSTETTER



	Dimensiune mm	Dimensiune inch	TPI cm	TPI inch	
313121	150	6”	5,5	14	**46.91**

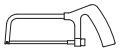
390170

Set panze minibomfaier 150 mm, in blister carton (12 buc/set)

- *contine cate 3 panze 310 / 312 / 313 / 320*



JOSEF HAUNSTETTER PUK MADE IN GERMANY



	Nr. componente	
390170	12 panze	**93.61**

3 x **310 / 312 / 313 / 320**

Etichetele discurilor de debitare si polizare UNIOR sunt produse in conformitate cu recomandarile EN 12413 si oSa.



1200/1

Disc abraziv pentru debitare otel

- *partea plata intarita pentru pentru taierea unghiulara, viteza discului 80 m/s, prevazute cu o insertie metalica*
- *disc de taiere OSA in conformitate cu standardul European EN 12413 (nu este permisa polizarea pe partea laterala)*
- *material: A30S1BF*

A30S1BF



	D	T	H				
610487	230	3	22	282	1F	25	**20.98**

71210LPTCT

Discuri universale cu carbura metalica pentru lemn/cauciuc/plastic

- *material: 65 Mn*
- *include inele de reductie alezaj (b): 22.23-20 si 22.23-16 mm*
- *materiale: lemn, lemn cu cuie, cauciuc, anvelope, PVC*



	D	d	b	B	Z	rpm	
902779	115	22.23	1.2	1.3	10	13500	**29.02**
902780	125	22.23	1.2	1.6	12	12500	**36.27**
902781	230	22.23	1.8	2.5	16	6700	**115.19**

71210MD

Discuri diamantate universale pentru debitat metale

- *material: 65 Mn*
- *include inele de reductie alezaj (b): 22.23-20 si 22.23-16 mm*
- *materiale: otel, otel armat, cornier, tevi, placi ceramice, piatra*



	D	d	b	B	Z	rpm	
902782	115	22.23	1.2	1.6	9	13500	**40.53**
902783	125	22.23	1.2	1.6	10	12500	**44.79**
902784	230	22.23	1.5	2.4	16	6700	**204.77**

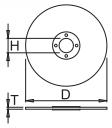
1210

Disc abraziv pentru debitare otel si otel inoxidabil

- *partea ranforsata a discului cu rasina pentru taieri manuale pe masini fixe cu viteza de lucru de 80 m/s, cu o insertie metalica*
- *discurile de taiere sunt in conformitate cu Standardul EN 12413 si producerea acestora este aprobata de Certificarea de Securitate DSA 1819 (lucrul pe partea laterala nu este permisa)*
- *discurile de taiere sunt confectionate conform specificatiilor pentru otel universal si materiale neferoase*
- *material: A46SBF*

A46SBF





	D	T	H				
610518	115	1	22	24	1F	25	**13.28**
610519	115	1.6	22	39	1F	25	**12.95**
610520	125	1	22	31	1F	25	**14.10**
610521	125	1.6	22	50	1F	25	**13.28**
610522	180	1.6	22	91	1F	25	**21.80**
610523	230	1.6	22	150	1F	25	**28.20**

1216

Disc lamelar frontal

- *disc plat este folosit pentru viteze periferice de 80 m/s*
- *productia este aprobata de Normativele de Securitate*
- *aplicatii: polizari brute si fine, polizari borduri si indepartarea marginilor zimtate, inlaturarea vopselelor, curatirea pieselor turnate, polizarea suprafetelor.*
- *utilizari: aluminiu, materiale usoare, otel, plastic, lemn, oteluri aliate, aliaje nemetalice*



	D	Z				
610539	115	40	75	1F	20	**34.59**
610540	115	60	70	1F	20	**34.59**
610541	115	80	65	1F	20	**34.59**
610544	125	40	90	1F	20	**40.33**
610545	125	60	80	1F	20	**40.33**
610546	125	80	70	1F	20	**40.33**



1 - Inel: data expirarii produsului este gravata pe inelul metalic. Acest inel permite o mai buna fixare a produsului pe polizorul unghiular.

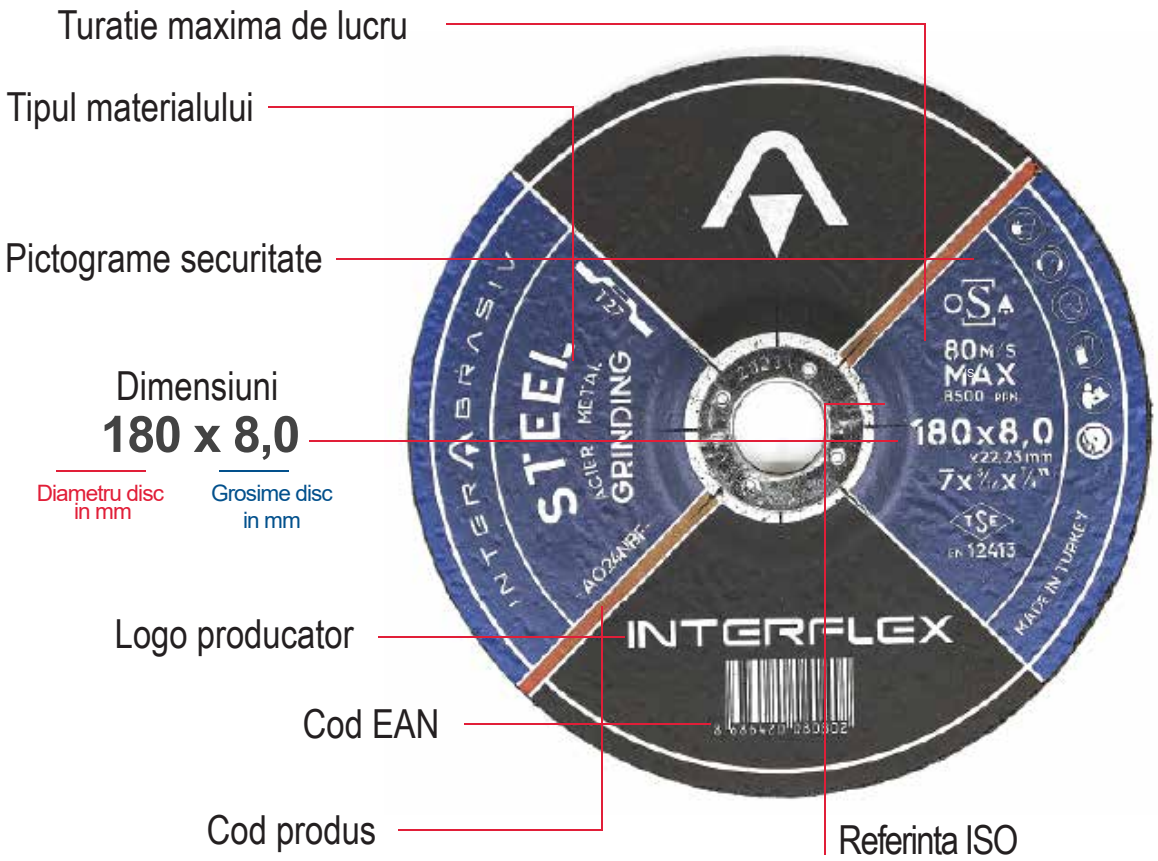


2 - Eticheta : informatiile produsului includ toate datele relevante referitoare la produs si aplicatii.

3 - Fibra de sticla: Siguranta produsului este asigurata de diferitele calitati ale fibrei de sticla.

4 - Amestecul: amestecul de granule, realizat conform specificului aplicatiilor si a materialului de lucru.
GRANULE DE UMPLERE aplicate chimic pentru a atinge eficienta maxima.
RASINA Se foloseste pulbere sau rasina lichida pentru asamblarea partilor componente ale discurilor.

5 - Fibra de sticla: Siguranta produsului este determinata de diferitele calitati ale fibrei de sticla.



AO
AO : Oxid de aluminiu
ZA : Aliaj de aluminiu si zirconiu
CW : Mix ceramic
SC : Carbura de siliciu

60
Dimensiune granulatie
24 – 36 – 40 – 46 – 60
Grosier — Fin

T
Duritate produs
N – P – Q – R – S –T
Moale — Dur

BF
Liant
BF : Fibra de sticla armatura sintetica
Rasina
Liant

Culori produs:
Inox : Rosu
Piatra : Verde
Otel : Negru
Fonta : Negru
Aluminu : Grey

NOU

Disc abraziv pentru debitare otel si otel inoxidabil plat

• discurile de taiere sunt confectionate conform specificatiilor pentru otel universal si materiale neferoase
• disc de taiere OSA in conformitate cu standardul European EN 12413 (nu este permisa polizarea pe partea laterala)

25 buc



INTERFLEX
INTERABRASIV

	D	T	H	Forma	RPM	Rigiditate	
4079111010	115	1.0	22.23	41	13300	T	**5.47**
4079111610	115	1.6	22.23	41	13300	T	**5.84**
4079121010	125	1.0	22.23	41	12250	T	**6.03**
4079121610	125	1.6	22.23	41	12250	R	**6.79**
4079151610	150	1.6	22.23	41	10200	T	**8.48**
4079181610	180	1.6	22.23	41	8600	T	**9.43**
4079231610	230	1.6	22.23	41	6650	T	**13.20**

NOU

Disc abraziv pentru polizare otel cu degajare

• discurile de taiere sunt confectionate conform specificatiilor pentru otel universal si materiale neferoase
• disc de taiere OSA in conformitate cu standardul European EN 12413 (nu este permisa polizarea pe partea laterala)

25 buc



INTERFLEX
INTERABRASIV

	D	T	H	Forma	RPM	Rigiditate	
4178116070	115	6.0	22.23	27	13300	N	**8.67**
4178126070	125	6.0	22.23	27	12250	N	**9.99**
4178156070	150	6.0	22.23	27	10200	N	**13.57**
4178186070	180	6.0	22.23	27	8600	N	**16.78**
4178236070	230	6.0	22.23	27	6650	N	**26.96**

NOU

Disc abraziv pentru debitare otel plat

• discurile de taiere sunt confectionate conform specificatiilor pentru otel universal si materiale neferoase
• disc de taiere OSA in conformitate cu standardul European EN 12413 (nu este permisa polizarea pe partea laterala)

25 buc



INTERFLEX
INTERABRASIV

	D	T	H	Forma	RPM	Rigiditate	
4078111010	115	1.0	22.23	41	13300	T	**4.90**
4078111610	115	1.6	22.23	41	13300	T	**5.28**
4078113010	115	3.0	22.23	41	13300	S	**6.22**
4078121010	125	1.0	22.23	41	12250	T	**5.47**
4078121610	125	1.6	22.23	41	12250	R	**5.84**
4078123010	125	3.0	22.23	41	12250	S	**6.98**
4078151610	150	1.6	22.23	41	10200	T	**7.54**
4078153010	150	3.0	22.23	41	10200	S	**8.86**
4078181610	180	1.6	22.23	41	8600	T	**8.48**
4078183010	180	3.0	22.23	41	8600	S	**10.56**
4078231610	230	1.6	22.23	41	6650	T	**12.25**
4078233010	230	3.0	22.23	41	6650	S	**15.08**
4078353010	350	3.0	25.40	41	4400	T	**41.48**

TV 509 C - Accesorii

Disc abraziv pentru metal 355 mm

• dimensiuni: 355x3,0x25,4 mm
• material A 30 RBF



STAYER

	D	T	H	
5.511	355	3,0	25,4	**37.70**

Alegerea accesoriului abraziv potrivit

Alegerea accesoriului abraziv potrivit pentru aplicatie este cel mai important aspect la utilizarea abrazivilor.
Flexibilitate, agresiune si condiţiile de suprafaţa ale materialelor ar putea creadiferente majore in timpul lucrului.

Discurile abrazive sunt fabricate:

-dintr-un amestec de granule abrazive,
-o structura tesuta
si
-un liant (material de lipire).
Agentul de lipire poate fi o rasina, simpla sau cu armatura din fibra de sticla. Poti alege dintr-o gama variata de discuri pentru debitare sau pentru polizare

Rafturile magazinelor de scule electrice si accesorii sunt pline cu o gama foarte variata de discuri abrazive pentru orice proiect si orice tip de material prelucrat.
Desi, pentru un ochi neavizat, toate arata la fel, discurile abrazive sunt foarte diferite.
O anumita caracteristica a discurilor va surprinde un utilizator incepator: valabilitatea discului.
Discurile abrazive expira.

Materiale utilizate la granule:

Abrazivele sunt materiale dure, aglomerate sau pulverulente:
naturale (in acest caz au origine minerala [1])
sau
sintetice, cu ajutorul caruia se pot desprinde, prin frecare, aschii mici dintr-un alt material.

Se intrebuinteaza la prelucrarea suprafetei pieselor de metal, de sticla etc., a pietrelor pretioase, a mineralelor si a altor materiale.
Poate fi folosit sub forma de pulbere uscata sau amestecata cu ulei (ex. praf de smirghel), de pulbere lipita pe hartie ori pe panza (ex. hartie sticlata) sau de unelte (abrazoare).

Materiale abrazive naturale.
Din categoria materialelor abrazive naturale fac parte: cuartul (SiO_2), smirghelul (25-30% Al_2O_3 +Fe_2O_3 + silicati), cu duritatea Mohs 7 -8, folosit la panzele abrazive
Si
hartiile abrazive, precum si la pietrele abrazive de mana si corindonul natural (pana la 95% Al_2O_3) cu duritatea 9.

Materiale abrazive sintetice. Materialele abrazive sintetice sunt: electrocorindonul (corindon sintetic), carbura de siliciu (denumita comercial carborundum), carbura de bor si nitrura cubica de bor. Electrocorindonul se sintetizeaza la temperaturi de 2000...2050°C, in cuptoare electrice, din minereuri bogate in oxizi de aluminiu, de exemplu in bauxita.[2] In functie de procentul de oxid de aluminiu obtinut, electrocorindonul poate fi de doua feluri: electrocorindon normal (cu minim 94,6% Al_2O_3) de culoare cenusie sau roz-roscata si electrocorindon nobil (cu 99% Al_2O_3) de culoare roz-deschis sau alba.
Carbura de siliciu (SiC) se realizeaza in cuptoare electrice, la 1800...1850°C, din nisip de cuart si cocs. Se disting carbura de siliciu neagra, simbol Cn (cu un continut sub 95% de SiC) si carbura de siliciu verde, simbol Cv (cu un continut de peste 97% SiC). Carbura de siliciu verde este superioara, are duritate mai mare si cu muchii mai ascutite, dar este si mai fragila. Carbura de siliciu se distinge printr-o duritate foarte mare, intre 9 si 10 dupa scara Mohs, insa este mai putin tenace decat corindonul.
Carbura de siliciu se foloseste pentru rectificarea materialelor fragile: fonta cenusie, fonta maleabila inainte de recoacere, pentru materiale foarte moi: bronz moale, aluminiu, alama, cupru, precum si pentru ascutirea placutelor din carburi metalice sinterizate ale sculelor aschietoare.
Carbura de bor este un compus chimic cu 85...95% carbura de bor cristalizata si se obtine prin topirea oxidului de bor cu carbon. Are o duritate mai mare decat carbura de siliciu si este foarte fragila. Se utilizeaza in special ca pulbere sau pasta abraziva pentru lepuire.
Nitrura cubica de bor se obtine prin supunerea nitrurii de bor cristalizata in sistem hexagonal unei actiuni combinate de presare sub regim termic ridicat, conditii in care isi schimba structura cristalina din sistem hexagonal intr-un sistem cubic asemanator diamantului (structura cristalina de blenda). Se caracterizeaza prin rezistenta foarte mare la uzura in exploatare. Este realizata in SUA sub denumirea comerciala de borazon si in Rusia cu denumirea elbor si cubonit.

Rasina fenolica

Cea mai puternica si rezistenta legatura posibila - rezistenta la temperaturi inalte, la apa si la socuri mecanice.
Filler activ
Formula de rasina este umpluta cu umpluturi active care disipeaza caldura care permite ca legatura sa dureze si sa protejeze granulele chiar in aplicatii de inalta presiune, cu turatii ridicate.
Dimensiune de sus
Dimensiunea superioara este al 3-lea strat de rasina care poate rezista la dimensiuni mari cantitati de agenti chimici de racire care racesc suprafata materialului pentru a proteja granulele si pentru a preveni deteriorarea piesei de prelucrat.

Duritatea produsului functioneaza intr-un mod foarte simplu:
Daca discul este dur, durata de viata este lunga, dar viteza de taiere este mica.
Daca discul este mai moale, viteza de taiere este mai mare, dar durata de viata este redusa.
Cele mai multe dintre discurile noastre din inox au duritate T si acesta este standardul nostru.
* Daca comandati ceva, duritatea va fi intotdeauna T.

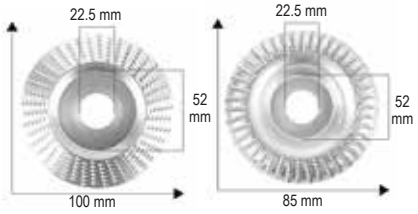
Nu este vorba de recomandare, ci de alegere de fapt. Unii utilizatori doresc discul rapid cu durata de viata mai mica, unii utilizatori doresc discul lent cu durata de viata mai lunga.
De ce diferitele materiale au nevoie de diferite discuri de slefuit sau taiat.
Cu toate optiunile de discuri disponibile, a afla care dintre ele este cea mai eficienta si mai rentabila pentru materialul de lucru poate fi coplesitor, cel putin.
Va ajutam sa descoperiti motivul pentru care diferite materiale vor avea nevoie de diferite discuri abrazive - si cum sa selectati tipul de abraziv potrivit pentru aplicatia dvs.
Deci, de ce materiale diferite necesita diferite tipuri de discuri?
Raspunsul se reduce la proprietatile materialului (adica duritatea si compozitia chimica), precum si la procesul de slefuire propus: factori precum masina, lichidul de racire, etc.
In primul rand, luati in considerare ce tip de abraziv va fi cel mai bun pentru materialul dvs.: conventional sau superabraziv?

71216K NOU

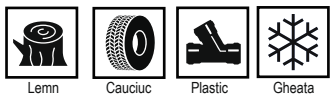
Set 2 discuri raspel lemn pentru polizor unghiular 85 mm si 100 mm

- *Suprafata cu dinti asigura o slefuire si lustruire neteda*
- *Usor de utilizat, poate elimina cantitati mai mici sau mai mari de material, in functie de aplicatie.*
- *Potrivit in special pentru zonele convexe si concave*
- *Realizat din otel cu un continut ridicat de carbon (48 HRC), puternic si rezistent la uzura*
- *Suprafata este formata din sute de dinti extrem de ascutiti care indeparteaza rapid materialul lemnos*
- *Poate fi folosit pentru prelucrarea lemnului, sculptura in lemn, sculptura in gheata, reparatii mobila, taiere in cauciuc si plastic etc.*
- *Potrivit pentru toate tipurile de lemn de esenta moale sau tare*





KRONUS Professional Quality



	D	d	d1		
902433	100 / 85	22.22	52	110	**67.87**



Nu utilizati produsul pentru prelucrarea metalului !
Nu lasati produsul la indemana copiilor !
Utilizati echipament de protectie adecvate!

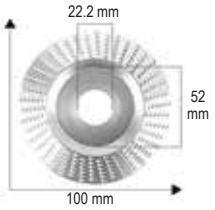
71216 NOU

Disc raspel lemn pentru polizor unghiular 100 mm

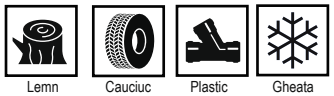
- *Suprafata cu dinti asigura o slefuire si lustruire neteda*
- *Usor de utilizat, poate elimina cantitati mai mici sau mai mari de material, in functie de aplicatie.*
- *Potrivit in special pentru zonele convexe si concave*
- *Realizat din otel cu un continut ridicat de carbon (48 HRC), puternic si rezistent la uzura*
- *Suprafata este formata din sute de dinti extrem de ascutiti care indeparteaza rapid materialul lemnos*
- *Poate fi folosit pentru prelucrarea lemnului, sculptura in lemn, sculptura in gheata, reparatii mobila, taiere in cauciuc si plastic etc.*
- *Potrivit pentru toate tipurile de lemn de esenta moale sau tare*



inclinat



KRONUS Professional Quality



	D	d	d1		
902435	100	22.22	52	110	**29.03**









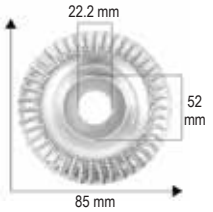
71216 NOU

Disc raspel lemn pentru polizor unghiular 85 mm

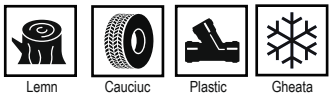
- *Suprafata cu dinti asigura o slefuire si lustruire neteda*
- *Usor de utilizat, poate elimina cantitati mai mici sau mai mari de material, in functie de aplicatie.*
- *Potrivit in special pentru zonele convexe si concave*
- *Realizat din otel cu un continut ridicat de carbon (48 HRC), puternic si rezistent la uzura*
- *Suprafata este formata din sute de dinti extrem de ascutiti care indeparteaza rapid materialul lemnos*
- *Poate fi folosit pentru prelucrarea lemnului, sculptura in lemn, sculptura in gheata, reparatii mobila, taiere in cauciuc si plastic etc.*
- *Potrivit pentru toate tipurile de lemn de esenta moale sau tare*



curbat



KRONUS Professional Quality



	D	d	d1		
902434	85	22.22	52	110	**39.97**

UNIVERSAL BASIC

Disc diamantat UNIVERSAL BASIC

• *pentru taierea materialelor si materialelor abrazive cu duritate medie si scazuta*
• *materiale: materiale: ciment, caramida, materiale ceramice, etc.*
• *taiere uscata cu polizor unghiular (pana la 230 mm)*
• *taiere umeda cu masina de taiat cu masa (peste 300 mm)*



Sinterizat

	ØD	H	Ød	
8294.3	115	7	22,2	**22.13**
8294.23	125	7	22,2	**28.69**
8294.37	180	7	22,2	**69.67**
8294.9	230	7	22,2	**90.16**
1500.49	300	10	25,4	**229.51**

LASER PROFESIONAL

Disc diamantat LASER PROFESIONAL

• *cel mai bine vandut disc diamantat; raportul optim de viteza si performanta in taierea materialelor de constructie*
• *materiale: ciment, caramida, caramida refractara, articole de ceramica, ardezie, gresie, mozaic, etc.*
• *taiere uscata*



	ØD	H	Ød	
8299.5	115	7	22,2	**95.08**
8299.19	125	7	22,2	**106.56**
8299.9	230	7	22,2	**221.31**

TURBO BASIC

Disc diamantat TURBO BASIC

• *cel mai competitiv disc diamantat pentru taierea materialelor abrazive cu duritate ridicata si medie; rama turbo continua asigura o mai buna precizie in taierea materialelor ceramice*
• *materiale: ciment, caramida, dale, materiale ceramice, etc.*
• *taiere uscata*



	ØD	H	Ød	
8294.1	115	7	22,2	**27.05**
8294.35	125	7	22,2	**32.62**
8294.2	230	7	22,2	**96.72**

CORTA TODO

Disc diamantat LASER CORTA TODO

• *tehnologia de lipire a diamantelor prin vidare pe corpul metalic al discului garanteaza cea mai buna aderenta a segmentelor diamantate*
• *materiale: toate tipurile de materiale de constructii*
• *taiere uscata*



	ØD	H	Ød	
40.22	115	5	22,2	**122.95**

CERAMICA BANDA CONTINUA

Disc diamantat CERAMICA BANDA CONTINUA

• *discul cu cel mai competitiv pret pentru taierea placilor ceramice*
• *materiale: placi ceramice, blocuri de beton, caramida, etc.*
• *taiere uscata*



	ØD	H	Ød	
8294.44	115	7	22,2	**31.15**
8294.55	125	7	22,2	**33.61**
8294.53	180	7	22,2	**81.97**
8294.57	230	7	22,2/25,4	**111.48**

PORCELANICO TURBO EXTRAFINO PLATINUM

Disc diamantat PORCELANICO TURBO EXTRAFINO PLATINUM

• *taie cu precizie portelan si materiale ceramice in general; disponibil in varianta cu placa armata pentru a rezista la torsiune*
• *materiale: portelan, ceramica, gresie, marmura, materiale vitrificate, granit, etc.*
• *R: varianta include flansa*



	ØD	H	Ød	
14.239	115	7	22,2	**120.49**
14.240	125	7	22,2	**136.07**
1500.104	180	7	22,2	**250.82**
1500.128	200	7	22,2	**295.08**
8294.17	230	7	22,2/25,4	**323.77**
1500.1	250	7	25,4	**409.84**

TURBO PROFESIONAL

Disc diamantat TURBO PROFESIONAL

• *utilizare universala pentru materiale de constructii cu duritate medie si medie-mare*
• *coroana crenelata cu segmente continue si largi pentru o finisare mai buna a taierii*



	ØD	H	Ød	
8294.5	115 mm	7	22,2	**55.74**
8294.38	125 mm	7	22,2	**63.93**
8294.39	180 mm	7	22,2	**131.15**
8294.6	230 mm	7	22,2	**213.11**

TURBO PLUS REFORZADO NOU

Disc diamantat TURBO PLUS REFORZADO

• *armaturile diamantate incorporate pe disc permit taieturi mai adanci cu o performanta mai mare realizand taieturi drepte*
• *marginea crenelata continua cu dinti largi pentru un finisaj mai bun*
• *recomandat in special pentru masinile de taiat rosturi*
• *armaturi cu diamante care permit taieturi mai adanci, cu o racire mai buna, o taietura mai ingusta si o performanta mai mare*
• *segment turbo continuu pentru un finisaj de taiere mai bun*
• *lama ranforsata pentru o rezistenta mai mare la torsiune*



	ØD	H	Ød	
8299.74	115 mm	9	22,2 mm	**81.97**
8299.82	125 mm	9	22,2 mm	**114.75**
8299.91	150 mm	9	22,2 mm	**163.93**
8299.75	180 mm	9	22,2 mm	**196.72**
8299.98	230 mm	9	22,2 mm	**278.69**

MÁRMOL ELECTRODEPOSITADO

Disc diamantat MÁRMOL ELECTRODEPOSITADO

• *disc special pentru taierea calcarului si a marmurei*
• *armatura de protectie a discului*



	ØD	H	Ød	
8299.26	115 mm	-	22,2	**142.62**
8299.27	125 mm	-	22,2	**172.13**
8110.30	230 mm	-	22,2	**360.66**

HURACÁN

Disc diamantat HURACÁN

• *diamant de inalta calitate pentru abrazivitate / duritate ridicata, taierea materialelor de constructie: ciment, beton armat sau nu, caramida, granit, klinker, piatra naturala si artificiala*
• *segmente turnate pentru o viteza mai mare la inceputul taierii*
• *segmente sudate cu laser*

PLATINUM



STAYER

	ØD	H	Ød	
8299.103	115	10	22,2	**131.15**
8299.105	125	10	22,2	**180.33**
100.1165	230	10	22,2	**409.84**

HURACÁN SILENCIOSO

Disc diamantat HURACÁN SILENCIOSO

• *disc diamantat de inalta calitate pentru abrazivitate / duritate ridicata, taierea materialelor de constructie: ciment, beton cu sau fara tija, caramida, granit, klinker, piatra naturala si artificiala*
• *inaltimea segmentului de 12 mm pentru o durabilitate mai mare*
• *disc speciala silentioasa, reducere a zgomotului cu 50%.*
• *segmente sudate cu laser.*

PLATINUM



STAYER

	ØD	H	Ød	
100.1771	230	12	22,2	**557.38**

TURBO HURACÁN

Disc diamantat TURBO HURACÁN

• *disc de diamant de inalta calitate pentru materiale de constructie, inclusiv cu duritate ridicata*
Granit, Klinker, piatra artificiala, portelan, gresie, ...
• *segment turbo continuu pentru o finisare mai buna a taierii*
• *inaltimea segmentului de 12 mm pentru o performanta mai buna*
• *miez de otel racit, care permite o durata mai lunga de taiere continua*

PROFESSIONAL



STAYER

	ØD	H	Ød	
8299.101	115	10	22,2	**131.15**
8299.113	125	10	22,2	**163.93**
14.304	230	12	22,2	**409.84**

TORNADO

Disc diamantat TORNADO

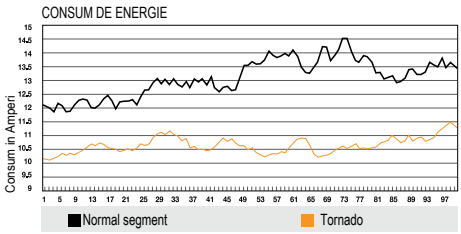
• *disc de inalta calitate pentru taierea materialelor de constructii: ciment, beton armat sau nu, caramizi etc. chiar si pentru materiale de duritate extrema, cum ar fi granit, klinker, piatra naturala si artificiala*
• *inaltimea segmentului de 12 mm pentru o durabilitate mai mare*
• *lama si segmente armate*

PLATINUM



STAYER

	ØD	H	Ød	
14.416	115	12	22,2	**311.48**
14.417	125	12	22,2	**344.26**
14.338	230	12	22,2	**557.38**



DISC OALA SEGMENTAT DIN ALUMINIU

Disc oala segmentat din aluminiu

• *ideal pentru piatra naturala (granit si marmura)*

PLATINUM



STAYER

	ØD	Ød	
8299.1	100 GRC 30-40	M14	**295.08**
8299.8	125 SPEED	M14	**393.44**

DISC OALA DUBLU SEGMENTAT

Disc oala dublu segmentat

• *ideal pentru slefuire beton*

PLATINUM



STAYER

	ØD	Ød	
8294.41	100	M14	**262.30**
8294.65	180	M14	**819.67**

ASFALTO

Disc diamantat ASFALTO

• *material: asfalt, asfalt pe beton, beton*
• *taiere umeda*



STAYER

	ØD	H	Ød	
100.34	350	10	25,4	**967.21**
100.955	400	10	25,4	**1196.72**
100.88	450	10	25,4	**1311.48**

HORMIGON CURADO

Disc diamantat HORMIGON CURADO

• *concetratia ridicata de carbon tungsten din segmente imbunatatesc performanta si durabilitatea la taierea materialelor cu abrazivitate crescuta*
• *material: beton, beton armat*
• *taiere umeda*



STAYER

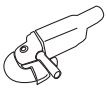
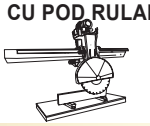
	ØD	H	Ød	
100.847	300	10	25,4	**770.49**
100.936	350	10	25,4	**868.85**
100.961	400	10	25,4	**1065.57**

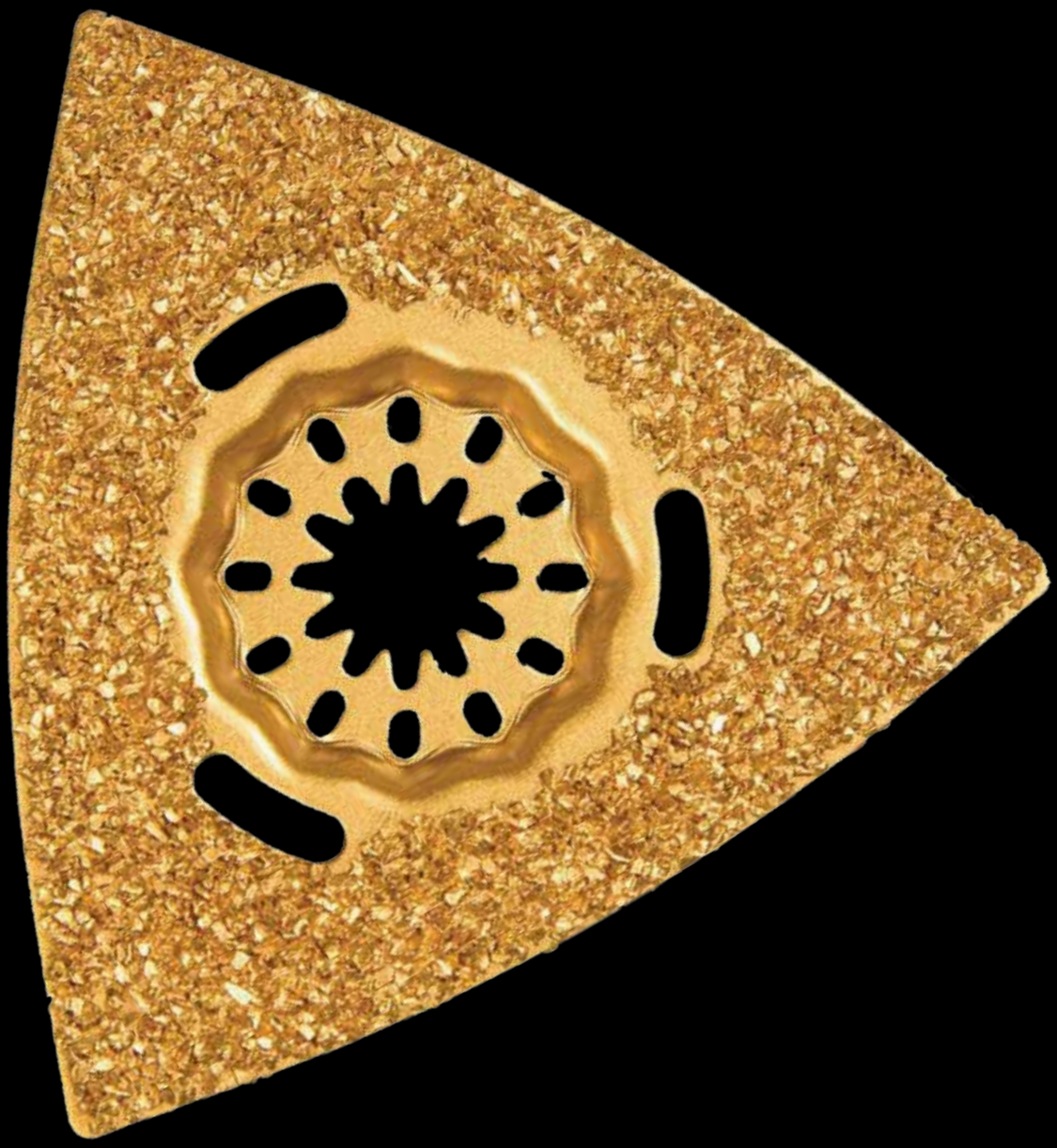
BASIC
Disc presat la rece.
Nivel scazut de duritate si densitate a segmentului, care determina un nivel scazut de performanta a discului.

PRO
Disc presat la cald sau segmentat realizat prin presare volumetrica si ulterior sudat prin sudare cu laser, performanta ridicata si capacitate de taiere buna pentru fiecare dintre materialele recomandate.

PLATINUM
Disc presat la cald sau segmentat din presa volumetrica si ulterior sudate prin sudare cu laser. Performanta optima si capacitate de taiere in toate tipurile de materiale de constructie.



	POLIZOARE UNGHIULARE	MASINI SI MESE DE TAIERE	MASINI COMUNITARE	MASINI CU POD RULANT
		 		
Linia pentru portelan si materiale ceramice	 Turbo Extrafino Platinum  Super Turbo Extrafino Platinum  Top Porcelánico Platinum  Turbo Huracán  Coronas Diamantadas **PLATINUM** PLATINUM PROFESSIONAL BASIC	 Turbo Extrafino Platinum		
	 Turbo Extrafino PRO  Turbo Extrafino PRO H10  Porcelánico Banda Continua  Porcelánico Segmentado	 Porcelánico Banda Continua  Porcelánico Segmentado	**PROFESIONAL**	
Linia constructii segmentate	 Láser Huracán  Láser Huracán Silencioso  Láser Tornado **PLATINUM**	 Ladrillo Caravista		
	 Láser PRO  Láser Granito  Láser Hormigón  Fórmula Intercooler  Láser Arce Granito  Intercooler Vulcan **PROFESIONAL**	 Láser PRO  Láser Arce Construcción		
Constructii Turbo	 Turbo PRO  Turbo Plus Lágrima  Turbo Plus Reforzado **PROFESIONAL**			
Linia Piatra	 Cantero  Plato Speed  Doble Segmento  Epoxi VB  Desbaste  Regatas  Cóncavo	 Granito		Piedra Artificial S Tornado Granito Granito 300-3500mm Mármol 300-1600mm Pizarra 300-1600mm
Marmura si Corta Todo	Mármol Corta Todo	Corta Todo		Mármol
Linia Basic	Universal Básico Banda Continua Turbo Básico Fórmula H10	Universal Básico		
Hormigón		Deep	Pavimento Curado Alto rendimiento Curado Stándard Fresco Alto rendimiento Fresco Stándard Asfalto	



PANZE MASINI MULTIFUNCTIONALE

Panzele cu prindere Starlock sunt fabricate in Germania si conving in multe aplicatii diferite, de exemplu taierea, slefuirea, pilirea, lustruirea si razuirea. Forma speciala rigida, patentata 3-D a tijei STARLOCK din inox asigura o potrivire sigura, o transmisie eficienta si cel mai mare progres in lucru, in acelasi timp cu vibratii reduse semnificativ. In plus, tija Starlock in 12 puncte permite o fixare flexibila a panzei de fierastrau in trepte de 30 de grade. Lama poate fi schimbata cu usurinta in cateva secunde.
Sistemul Starlock poate fi folosit cu toate cele mai recente modele de masini de la producatori precum Bosch, Makita, Ridgid, Milwaukee, FEIN MultiTalent, MultiMaster și SuperCut etc., precum si cu toate modelele anterioare ale producatorilor de scule electrice standard pe piata.

WILPU® saw blades

STAYER



















Gama de panze de fierastrau WILPU® OSZ fabricate din otel de calitate testata garanteaza solutii optime pentru o serie de aplicatii speciale la cea mai inalta calitate pentru performanta maxima.



Accesoriu universal pentru toate dispozitivele multifunctionale obișnuite. Pe langa aplicatiile standard familiare, oferim solutii pentru materiale speciale (de exemplu, GRP, CFRP, marmura, sticla etc.). STARLOCK® este potrivit pentru FEIN® Multi Talent®, FEIN MultiMaster®, FEIN® SuperCut®, Bosch®, Makita®, Ridgid®, Milwaukee® și multe alte marci.

OSZ 126

Lama ingusta dreapta HCS/CV

- *lama de fierastrau ingusta pentru indepartarea rapida a aschiilor si un progres bun la taiere*
- *cu dantura tip japonez cu tripla ascutire*
- *taiere precisa, rapida*
- *pentru toate tipurile de lemn, materiale plastice moi, placi de ghips*

STARLOCK



WILPU saw blades

	Adancime	Dimensiuni	Ambalare	
23126 00001	40	50 x 35	1	**143.19**
23126 00005	40	50 x 35	5	**662.03**

OSZ 13

Lama ingusta dreapta HCS/CV

- *lama ingusta pentru indepartarea rapida a aschiilor si un progres bun la taiere*
- *dinti ascutiti, cu ceaprazuire din lateral*
- *pentru toate tipurile de lemn, materiale plastice, gips carton*

STARLOCK



WILPU saw blades

	Adancime	Dimensiuni	Ambalare	
23133 00001	40	50 x 35	1	**117.15**
23133 00005	40	50 x 35	5	**556.56**

OSZ 205

Lama ingusta dreapta Bi-Metal

- *lama ingusta pentru indepartarea rapida a aschiilor si un progres bun la taiere*
- *dinti ascutiti, cu ceaprazuire din lateral*
- *pentru toate tipurile de lemn, materiale plastice, gips carton*
- *pertioada de utilizare prelungita*

STARLOCK



WILPU saw blades LONG LIFE

	Adancime	Dimensiuni	Ambalare	
23205 00001	40	50 x 35	1	**148.66**
23205 00005	40	50 x 35	5	**743.31**
23205 00099	40	50 x 35	100	**10982.88**

12.548

Lama ingusta dreapta HCS/CV

- *lama HCS (High Carbon Steel) pentru masini oscilatorii*
- *prindere deschisa plat, montare usoara si rapida fara instrumentele suplimentare*
- *compatibila cu majoritatea marcilor principale.*
- *special conceputa pentru taierea lemnului, plasticului si gips-cartonului; pentru taieturi adanci, pentru reducerea, deschiderea gaurilor si taieturile impamantate*



STAYER

	Adancime	Dimensiuni	Ambalare	
12.548	40	32 x 40 x 90	1	**29.51**

12.549

Lama ingusta dreapta HCS/CV

- *lama BIM (bimetalic) pentru masini oscilante.*
- *prindere deschisa plat, montare usoara si rapida fara instrumentele suplimentare*
- *compatibila cu majoritatea marcilor principale.*
- *special conceputa pentru metal, lemn cu cuie, plastic si lemn dur; pentru taieturi adanci, pentru reducerea, deschiderea gaurilor si taieturile impamantate*



STAYER

	Adancime	Dimensiuni	Ambalare	
12.549	40	32 x 40 x 90	1	**39.34**

OSZ 230 NOU

Lama lata dreapta HCS

- *lama ingusta pentru indepartarea rapida a aschiilor si un progres bun la taiere*
- *dinti ascutiti, cu ceaprazuire din lateral*
- *pentru toate tipurile de lemn, materiale plastice, gips carton*
- *pertioada de utilizare prelungita*

STARLOCK



WILPU saw blades LONG LIFE

	Adancime	Dimensiuni	Ambalare	
23230 00001	63	63 x 42	1	**134.43**
23230 00005	63	63 x 42	5	**638.03**

OSZ 225 NOU

Lama lata curbata HCS

- *lama ingusta pentru indepartarea rapida a aschiilor si un progres bun la taiere*
- *dinti ascutiti, cu ceaprazuire din lateral*
- *pentru toate tipurile de lemn, materiale plastice, gips carton*
- *pertioada de utilizare prelungita*

STARLOCK



WILPU saw blades LONG LIFE

	Adancime	Dimensiuni	Ambalare	
23225 00001	65	50 x 65	1	**134.43**
23225 00005	65	50 x 65	5	**609.02**
23225 00099	65	50 x 65	100	**10717.21**

OSZ 157

Lama ingusta dreapta Bi-Metal

- *lama ingusta pentru indepartarea rapida a aschiilor si pentru un avans bun de taiere*
- *cu dantura fina; taiere precisa*
- *ideala pentru CRP, GRP, aluminiu, tabla subtire, metale neferoase, durata de viata mai lunga*

STARLOCK



WILPU saw blades LONG LIFE ALU

	Adancime	Dimensiuni	Ambalare	
23157 00001	40	50 x 30	1	**103.14**
23157 00005	40	50 x 30	5	**489.81**
23157 00099	40	50 x 30	100	**7684.40**

OSZ 113

Lama semicirculara HCS/CV

- *lama de fierastrau segmentata*
- *ideala pentru lucrul in colturi fara taiere.*
- *diametru 85 mm*
- *pentru lemn moale, materiale plastice moi*

STARLOCK



WILPU saw blades

	Adancime	Dimensiuni	Ambalare	
23113 00001	-	85	1	**188.41**

12.550

Lama semicirculara HCS/CV

- *lama semicirculara HCS (High Carbon Steel) pentru masini oscilante*
- *prindere deschisa plat, montare usoara si rapida fara instrumentele suplimentare*
- *compatibila cu majoritatea marcilor principale*
- *special conceputa pentru taierea lemnului, plasticului si gips-cartonului.*
- *adecvat speciala pentru zonele greu accesibile, taieturi impamantate si taierea muchiilor*



STAYER

	Adancime	Dimensiuni	Ambalare	
12.550	-	88 x 65	1	**59.02**

12.551

Lama semicirculara Bi-Metal

- *lama semicirculara BIM (bimetalic) pentru masini oscilante*
- *prindere deschisa plat, montare usoara si rapida fara instrumentele suplimentare*
- *compatibila cu majoritatea marcilor principale*
- *special conceputa pentru metal, lemn cu cuie, plastic si lemn dur*
- *adecvat speciala pentru zonele greu accesibile, taieturi impamantate si taierea muchiilor*



STAYER

	Adancime	Dimensiuni	Ambalare	
12.551	-	88 x 65	1	**83.61**

OSZ 184

Lama ingusta dreapta Bi-Metal

- *lama de fierastrau ingusta cu dantura ceaprazuita din lateral*
- *pentru toate tipurile de lemn cu reziduuri de metal si caramida, materiale plastice, placi de gips, durata de viata mai lunga*

STARLOCK



WILPU saw blades — LONG LIFE

	Adancime	Dimensiuni	Ambalare	
23184 00001	40	50 x 10	1	**79.77**
23184 00005	40	50 x 10	5	**378.00**

OSZ 160

Lama ingusta dreapta Bi-Metal

- *lama de fierastrau ingusta cu dantura ceaprazuita din lateral*
- *pentru toate tipurile de lemn cu reziduuri de metal si caramida, materiale plastice, placi de gips, durata de viata mai lunga*

STARLOCK



WILPU saw blades — LONG LIFE

	Adancime	Dimensiuni	Ambalare	
23160 00001	40	50 x 35	1	**148.53**
23160 00005	40	50 x 35	5	**634.50**
23160 00099	40	50 x 35	100	**9806.18**

OSZ 221

Lama lata dreapta Bi-Metal

- *lama de fierastrau ingusta cu dantura ceaprazuita din lateral*
- *pentru toate tipurile de lemn cu reziduuri de metal si caramida, materiale plastice, placi de gips, durata de viata mai lunga*

STARLOCK



WILPU saw blades — LONG LIFE

	Adancime	Dimensiuni	Ambalare	
23221 00001	40	50 x 35	1	**146.53**
23221 00005	40	50 x 35	5	**678.39**
23221 00099	40	50 x 35	100	**10775.45**

OSZ 222

Lama ingusta dreapta Bi-Metal

- *lama ingusta pentru indepartarea rapida a aschiilor si un progres bun la taiere*
- *cu dantura universala cu ceaprazuire ondulata*
- *pentru toate tipurile de lemn, materiale plastice, placi de gips, tabla de pana la 2,0 mm, aluminiu, metale neferoase*
- *durata de viata mai lunga*

STARLOCK



WILPU saw blades — LONG LIFE — ALU — Cu, Ni, Ms, Zn

	Adancime	Dimensiuni	Ambalare	
23222 00001	40	50 x 28	1	**152.03**
23222 00005	40	50 x 28	5	**721.28**
23222 00099	40	50 x 28	100	**10657.63**

OSZ 223

Lama lata dreapta Bi-Metal

- *lama ingusta pentru indepartarea rapida a aschiilor si un progres bun la taiere*
- *cu dantura universala cu ceaprazuire ondulata*
- *pentru toate tipurile de lemn, materiale plastice, placi de gips, tabla subtire, aluminiu, metale neferoase*
- *durata de viata mai lunga*

STARLOCK



WILPU saw blades — LONG LIFE — ALU — Cu, Ni, Ms, Zn

	Adancime	Dimensiuni	Ambalare	
23223 00001	40	50 x 44	1	**175.40**
23223 00005	40	50 x 44	5	**833.42**
23223 00099	40	50 x 44	100	**11930.13**

OSZ 106

Lama lata dreapta HSS

- *lama de fierastrau segmentata, ideala pentru lucrul in colturi*
- *taiere precisa, curata*
- *ideala pentru tabla subtire de pana la 1,0 mm, materiale plastice, CRP, GRP, lemn, chit, metale neferoase*

WILPU saw blades — STARLOCK



	Adancime	Dimensiuni	Ambalare	
23106 00001	20	594 85	1	**221.29**

OSZ 174

Lama circulara Bi-Metal

- *lama de fierastrau circulara; diametru 85 mm*
- *taiere precisa, curata*
- *ideala pentru tabla subtire de pana la 1,0 mm, metale neferoase, CRP, GRP, toate tipurile de lemn, chit*
- *durata de viata mai mare si economie buna prin forma circulara*

STARLOCK



WILPU saw blades — LONG LIFE — Cu, Ni, Ms, Zn

	Adancime	Dimensiuni	Ambalare	
23174 00001	20	85	1	**419.88**

OSZ 165

Razuitor flexibil HCS/CV

• razuitor scurt, flexibil pentru indepartarea foliei adezive, a imbinarilor din silicon, a imbinarilor acrilice.

STARLOCK



WILPU saw blades

	Adancime	Dimensiuni	Ambalare	
23165 00001	52	60 x 52	1	86.28

12.552

Razuitor flexibil HCS/CV

• razuitor pentru unelte oscilante.
• prindere deschisa plat, montare usoara si rapida fara instrumentele suplimentare
• compatibila cu majoritatea marcilor principale
• conceput special pentru a razui, rupe si desprinde
• inlatura silicon, lipici, vopsea veche sau covor.



STAYER

	Adancime	Dimensiuni	Ambalare	
12.552	50	52 x 50 x 95	1	39.34

12.553

Lama ingusta dreapta diamantata

• lama cu diamant pentru scule multiple oscilante.
• prindere deschisa plat, montare usoara si rapida fara instrumentele suplimentare
• compatibila cu majoritatea marcilor principale
• special conceput pentru placi si materiale ceramice si sticla
• pentru taieturi adanci, pentru reducerea, deschiderea gaurilor si taieturile impamantate



STAYER

	Adancime	Dimensiuni	Ambalare	
12.553	32	20 x 32 x 85	1	68.85

OSZ 118

Lama semicirculara HM-Grit

• lama de fierastrau segmentata cu carbura
• diametru 75 mm
• pentru rosturi de tigla, tencuiala, BCA, rosturi de pardoseala
• ideala pentru lucrul in colturi fara suprasolicitare

STARLOCK



WILPU saw blades

	Adancime	Dimensiuni	Ambalare	
23118 00001	-	75	1	303.40

12.554

Lama semicirculara HM-Grit

• lama de fierastrau segmentata cu carbura
• prindere deschisa plat, montare usoara si rapida fara instrumentele suplimentare
• compatibila cu majoritatea marcilor principale
• special conceputa pentru placi, materiale ceramice si sticla
• adecvata in special pentru zonele greu accesibile, taieturi impamantate si taierea muchiilor



STAYER

	Adancime	Dimensiuni	Ambalare	
12.554	-	75	1	113.11

OSZ 114

Lama semicirculara diamantata

• lama de fierastrau segmentata cu muchie de taiere diamantata de tungsten cu latime de 2,2 mm
• diametru 75 mm
• pentru taierea imbinarilor de marmura, rasina epoxidica si rasini epoxidice foarte dure sau imbinari de ciment
• ideal pentru lucrul in colturi fara suprasolicitare



WILPU saw blades

	Adancime	Dimensiuni	Ambalare	
23114 00001	-	75	1	589.44

OSZ 001

Raspila triunghiulata cu carbura

• raspila triunghiulara DELTA cu carbura
• lungimea muchiei 80 mm
• pentru slefuirea grosiera a chitului, adezivului pentru tigla, beton, piatra si toate tipurile de lemn.
• perforat, utilizabil si cu sistem de extragerea prafului

STARLOCK



WILPU saw blades

	Adancime	Dimensiuni	Ambalare	
23001 00001	-	80 x 80 x 80	1	236.31

12.555

Raspila triunghiulata cu carbura

• raspila triunghiulara DELTA cu carbura
• lungimea muchiei 78 mm
• pentru slefuirea grosiera a chitului, adezivului pentru tigla, beton, piatra si toate tipurile de lemn.
• perforat, utilizabil si cu sistem de extragerea prafului



STAYER

	Adancime	Dimensiuni	Ambalare	
12.555	-	78 x 78 x 78	1	88.52

OSZ 136

Placa se slefuit triunghiulara

• placa de slefuit din plastic, triunghiulara, perforata cu velcro, pentru a evita deteriorarea piesei de prelucrat
• lungimea muchiei 80 mm
• potrivit pentru utilizarea cu sistem de aspirarea prafului

STARLOCK



WILPU saw blades

	Adancime	Dimensiuni	Ambalare	
23136 00002	-	80 x 80 x 80	2	164.38

12.557

Placa se slefuit triunghiulara

- *placa autoaderenta pentru scule oscilante.*
- *prindere deschisa plat, montare usoara si rapida fara instrumentele suplimentare*
- *compatibila cu majoritatea marcilor principale*
- *special conceputa pentru a fi folosit ca suport de slefuit delta pentru, materiale plastice si metale*
- *forma delta permite greu accesibile si slefuirea marginilor*



STAYER

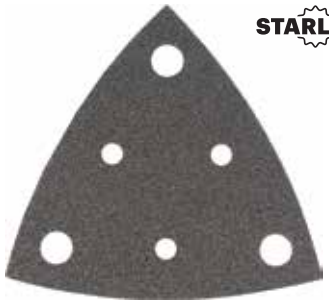
	Adancime	Dimensiuni	Ambalare	
12.557	-	93 x 93 x 93	1	**39.34**

OSZ 112

Set 5 foi slefuire gr. 120 80x80x80 mm

- *foi de slefuire triunghiulare, perforate cu granule de corindon pentru o rata ridicata de indepartare, colmatare redusa si durata lunga de viata*
- *aplicabil universal.*
- *cu velcro si gauri pentru utilizare cu aspirarea prafului*
- *lungimea muchiei 80 mm, granulatie 120*

STARLOCK



WILPU saw blades

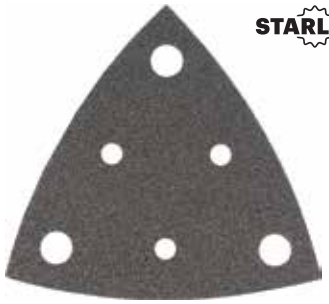
	Adancime	Dimensiuni	Ambalare	
23112 00005	-	80 x 80 x 80	5	**51.57**

OSZ 110 NOU

Set 5 foi slefuire gr. 80 80x80x80 mm

- *foi de slefuire triunghiulare, perforate cu granule de corindon pentru o rata ridicata de indepartare, colmatare redusa si durata lunga de viata*
- *aplicabil universal.*
- *cu velcro si gauri pentru utilizare cu aspirarea prafului*
- *lungimea muchiei 80 mm, granulatie 80*

STARLOCK



WILPU saw blades

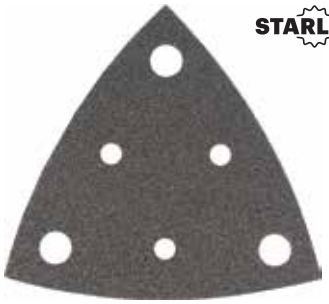
	Adancime	Dimensiuni	Ambalare	
23110 00005	-	80 x 80 x 80	5	**44.92**

OSZ 111 NOU

Set 5 foi slefuire gr. 100 80x80x80 mm

- *foi de slefuire triunghiulare, perforate cu granule de corindon pentru o rata ridicata de indepartare, colmatare redusa si durata lunga de viata*
- *aplicabil universal.*
- *cu velcro si gauri pentru utilizare cu aspirarea prafului*
- *lungimea muchiei 80 mm, granulatie 100*

STARLOCK



WILPU saw blades

	Adancime	Dimensiuni	Ambalare	
23111 00005	-	80 x 80 x 80	5	**44.92**

12.556

Set 10 foi slefuire 93x93x93 mm

- *special concepute pentru a fi atasate la o placa delta de slefuit lemn si material plastic*
- *forma delta permite slefuirea marginilor si colturilor*
- *compatibil cu MULTITOOL PRO300, MULTI L20 si MULTI L18 de la STAYER*
- *dimensiuni 93 x 93 x 93 mm*
- *continut gr. 40 x 2 bucati, gr. 60 x 3 bucati, gr. 80 x 3 bucati si gr. 120 x 2 bucati*



STAYER

	Adancime	Dimensiuni	Ambalare	
12.556	-	93 x 93 x 93	10	**29.51**

12.558

Set lame universale pentru montat placi ceramice

- *set de 4 accesorii pentru scule oscilante multifunctionale special potrivite pentru montare placi ceramice*
- *prindere deschisa, cuplare usoara si rapida a sculelor fara necesitatea altor scule*
- *compatibile cu majoritatea marcilor de pe piata*
- *razuitor (52 x 49 x 99 mm): special conceput pentru a razui, rupe si desprinde; inlatura silicon, lipici, vopsea veche sau covoare*
- *placa diamantata delta (73 x 73 mm): special conceputa pentru materiale ceramice, zidarie si materiale abrazive dure; pentru slefuirea muchiilor, tencuiala si lustruirea mortarului; forma delta permite aplicatii in zone greu accesibile si slefuirea marginilor*
- *lama diamantata (20 x 32 x 85 mm): special conceputa pentru placi, materiale ceramice si sticla*
- *lama semicirculara cu margine diamantata (88 x 55 mm): special conceput pentru placi, materiale ceramice si sticla; potrivita special pentru zonele greu accesibile, taieturi impamantate, si taierea muchiilor*



STAYER

	Adancime	Dimensiuni	Ambalare	
12.558	-	4	1	**226.23**

1 x **12.552**, 1 x **12.555**, 1 x **12.554**, 1 x **12.553**

12.559

Set lame universale pentru lemn si gips-carton

- *set de 4 accesorii pentru scule oscilante multifunctionale special potrivite pentru lemn si gips-carton*
- *prindere deschisa, cuplare usoara si rapida a sculelor fara necesitatea altor scule*
- *compatibile cu majoritatea marcilor de pe piata*
- *razuitor (52 x 49 x 99 mm): special conceput pentru a razui, rupe si desprinde; inlatura silicon, lipici, vopsea veche sau covoare*
- *lama HCS (High Carbon Steel) special conceputa pentru taierea lemnului, plasticului si gips-cartonului; pentru taieturi adanci, pentru reducerea, deschiderea gaurilor si taieturile impamantate*
- *lama BIM (bimetalic) special conceputa pentru metal, lemn cu cuie, plastic si lemn dur; pentru taieturi adanci, pentru reducerea, deschiderea gaurilor si taieturile impamantate*
- *lama semicirculara HCS (High Carbon Steel) special conceputa pentru taierea lemnului, plasticului si gips-cartonului; adecvat speciala pentru zonele greu accesibile, taieturi impamantate si taierea muchiilor*



STAYER

	Adancime	Dimensiuni	Ambalare	
12.559	-	8	1	**147.54**

1 x **12.552**, 1 x **12.548**, 1 x **12.549**, 1 x **12.550**

OSZ SORT

Set lame universale pentru masini oscilante

OSZ 221 - pentru toate tipurile de lemn cu reziduuri de metal si caramida, materiale plastice, placi de ghips.
OSZ 222 - pentru toate tipurile de lemn, materiale plastice, placi de gips, tabla subtire, aluminiu, metale neferoase.
OSZ 223 - pentru toate tipurile de lemn, materiale plastice, placi de gips, tabla subtire, aluminiu, metale neferoase



WILPU saw blades STARLOCK

	Adancime	Dimensiuni	Ambalare	
23999 00006	-	6	1	**928.55**
2 x OSZ 221, 2 x OSZ 222, 2 x OSZ 223				

23998 00000

Expozitor lame pentru masini oscilante multifunctionale



WILPU saw blades STARLOCK

	model	material	Ambalare	
23157 00001	5 x OSZ 157	BiMetall	1	**17688.50**
23157 00005	3 x OSZ 157	BiMetall	5	
23133 00001	5 x OSZ 133	HCS/CV	1	
23133 00005	3 x OSZ 133	HCS/CV	5	
23184 00001	5 x OSZ 184	BiMetall	1	
23184 00005	3 x OSZ 184	BiMetall	5	
23160 00001	5 x OSZ 160	BiMetall	1	
23160 00005	3 x OSZ 160	BiMetall	5	
23221 00001	5 x OSZ 221	BiMetall	1	
23221 00005	3 x OSZ 221	BiMetall	5	
23222 00001	5 x OSZ 222	BiMetall	1	
23222 00005	3 x OSZ 222	BiMetall	5	
23223 00001	5 x OSZ 223	BiMetall	1	

23997 00000

Expozitor lame pentru masini oscilante multifunctionale



WILPU saw blades STARLOCK

	model	material	Ambalare	
23223 00005	3 x OSZ 223	BiMetall	5	**8622.29**
23205 00001	5 x OSZ 205	BiMetall	1	
23113 00001	2 x OSZ 113	HCS/CV	1	
23106 00001	2 x OSZ 106	HSS	1	
23174 00001	2 x OSZ 174	BiMetall	1	
23118 00001	2 x OSZ 118	HM-Grit	1	
23001 00001	2 x OSZ 001	HM-Grit	1	
23165 00001	2 x OSZ 165	HCS/CV	1	
23136 00002	2 x OSZ 136	Kunststoff	2	
23205 00005	3 x OSZ 205	BiMetall	5	
23112 00005	2 x OSZ 112	-	5	





SCULE ELECTRICE

Masini de gaurit electrice cu si fara acumulator - Ciocane electropneumatice - Polizoare unghiulare - Fierastraie electrice - Utilaje pentru constructii - Masini pentru prelucrarea lemnului -
Discuri diamantate - Aparate de sudura

Stayer este un producator de surubelnite electrice, masini de gaurit electrice cu si fara acumulator, ciocane electropneumatice, polizoare unghiulare, fierastraie electrice, utilaje pentru constructii, masini prelucrarea lemnului. Producatorul ofera o gama foarte variata de accesorii si consumabile. Calitatea Stayer se gaseste si in oferta de discuri diamantate, discuri abrazive si panze circulare placate CMS.

STAYER STAYER WELDING WILPU saw blades Iskra VARJENJE

STAYER

PROFESSIONAL QUALITY







Scule electrice cu acumulator	600
Masini de insurubat si gaurit	608
Ciocane rotopercutoare	609
Amestecatoare	610
Suflante aer cald	610
Slefuitoare pentru perete	610
Polizoare unghiulare	612
Masini pentru caneluri	614
Fierastraie circulare	615
Masini multifunctionale	616
Masini de slefuit si polisat	616
Fierastraie pendulare	618
Fierastraie sabie	618
Slefuitoare pentru lemn	618
Rindea	619
Freze pentru lemn	620
Aspiratoare	620
Fierastraie de banc	622
Debitatoare de banc	623
Pistoale de vopsit	624
Polizoare de banc	625
Aparate de spalat cu presiune	626

BL 50 CK

Surubelnita cu acumulator Li-ion 3,6 V

AVANTAJELE PRODUSULUI

- *surubelnita cu 2 moduri de lucru: drept si pistol*
- *baterie incorporată*
- *10 setari de insurubare + 1 mod de gaurire*
- *lampa cu LED*
- *reversibila*



- *x1 incarcator*
- *32 biti*
- *8 chei tubulare*
- *2 prelungitoare metalice*
- *2 adaptoare 1/4"*

STAYER






CHARGER: INCLUDED | LIGHT: L.E.D | ROTATION: REVERSIBLE | SCREWDRIVER | CARRY CASE: PE-HD INCLUDED

BL 50 CK	1.2082	2 x 2.0Ah	✓	✓	262.30

Tensiune acumulator Li-ion	3,6 V
Capacitate acumulator	1,3 Ah
Turatii in gol	200 rpm
Capacitate mandrina	1/4" (UNF)
Cuplu de strangere	4 Nm
Reglarea momentului	7 pozitii
Greutate	0,3 kg

PBL 122 DP K — NOU

Surubelnita cu acumulator Li-ion 12 V

AVANTAJELE PRODUSULUI

- *2 functii: surubelnita si masina de gaurit cu percutie*
- *2 viteze mecanice*
- *control electronic al vitezei pe tragaci.*
- *LED. lumina de ghidare.*
- *sensul de rotatie reversibil.*



- *cutie plastic*
- *incarcator de 2,0 Ah*
- *x2 baterii de 2,0 Ah*

STAYER

PBL 122 DP K	1.2990	2 x 2.0Ah	✓	✓	639.34

Tensiune acumulator Li-ion	12 V
Capacitate acumulator	2,0 Ah
Turatii in gol	0-350/0-1350 rpm
Impact	0-21000 ipm
Capacitate mandrina	ø10 mm
Capacitate mandrina	3/8" (UNF)
Cuplu de strangere	32 Nm
Reglarea momentului	25 + 2 pozitii
Greutate	0,9 kg

PB 18 B L2022 PK — NOU

Masina de insurubat/gaurit cu percutie cu 2 acumulatori Li-ion 18 V 2,0 Ah

3 Functii: Gaurire, Insurubare si Gaurire cu percutie

AVATAJELE PRODUSULUI

- *mandrina automata cu blocare de siguranta.*
- *ambreiaj cu 25 de puncte de reglare pentru strangere controlata*
- *lumina LED de ghidare.*
- *2 viteze mecanice*
- *reversibila si electronica cu microprocesor*



STAYER

BATTERIES: x2 INCLUDED | CHARGER: INCLUDED | LIGHT: L.E.D | ROTATION: REVERSIBLE | SCREWDRIVER | DRILL: NO IMPACTS | DRILL: WITH IMPACTS | ELECTRONIC: SPEED CONTROLLER | CARRY CASE: PE-HD INCLUDED | SPEEDS: 2 MECHANICAL

PB 18 B L2022	1.3050	2 x 2.0Ah	✓	✓	836.07

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	2,0 Ah
Turatii in gol treapta 1 / treapta 2	0 - 350 / 0 -1350 rpm
Percutii treapta 1 / treapta 2	0 - 600 / 22500 ipm
Capacitate mandrina	Φ 2 - 10 mm
Cuplu de strangere	30 Nm
Reglarea momentului	25 pozitii
Capacitate maxima de gaurire lemn	26 mm
Capacitate maxima de gaurire otel	10 mm
Capacitate maxima de gaurire zidarie	6 mm
Greutate	1,0 kg

PBL 2022 PK / PBL 2024 PK

Masina de insurubat/gaurit cu percutie cu 2 acumulatori Li-ion 18 V 2,0 Ah / 4,0 Ah

3 Functii: Gaurire, Insurubare si Gaurire cu percutie

AVANTAJELE PRODUSULUI

- *masina de gaurit / isurubat cu acumulator cu motor 550*
- *mandrina fara cheie cu blocare de siguranta*
- *ambreiaj cu 16+1+1+1 puncte de referinta pentru limite precise de strangere*
- *clema pentru centura: clema de fixare confortabila pentru a atarna unealta pe centura intre lucrari*
- *LED - lumina de ghidare in zona de lucru*
- *2 viteze mecanice pentru un cuplu bun*
- *reversibila si electronica cu microprocesor*



STAYER

ROTATION: REVERSIBLE | SCREWDRIVER | LIGHT: L.E.D | DRILL: NO IMPACTS | DRILL: WITH IMPACTS | ELECTRONIC: SPEED CONTROLLER | SPEEDS: 2 MECHANICAL

PBL 2022 PK	1.2063	2 x 2.0Ah	✓	✓	1098.36
PBL 2024 PK	1.2175	2 x 4.0Ah	✓	✓	1704.92

Tensiune acumulator Li-ion	18 V	
Capacitate acumulator	2,0 Ah / 4,0 Ah	
Turatii in gol treapta 1 / treapta 2	0 - 400 / 1400 rpm	
Percutii treapta 1 / treapta 2	0 - 6000 / 21000 ipm	
Capacitate mandrina	Φ 2 - 10 mm	
Cuplu de strangere	32 Nm	
Reglarea momentului	16 + 3 pozitii	
Capacitate maxima de gaurire lemn	35 mm	
Capacitate maxima de gaurire otel	10 mm	
Capacitate maxima de gaurire zidarie	10 mm	
Greutate	1,2 kg	

PBL 150 P - L20 — NOU

Masina de insurubat/gaurit cu percutie cu acumulatori Li-ion 18 V

3 Functii: Gaurire, Insurubare si Insurubare cu percutie

LIGHT: L.E.D | ROTATION: REVERSIBLE | SCREWDRIVER | DRILL: NO IMPACTS | DRILL: WITH IMPACTS | ELECTRONIC: SPEED CONTROLLER | SPEEDS: 2 MECHANICAL

PBL 150 P-L20	1.2904	X	X	X	1196.72
PBL 150 P-L2022	1.2967	2 x 2.0Ah	✓	✓	1803.28
PBL 150 P-L2024	1.2968	2 x 4.0Ah	✓	✓	2196.72
PBL 150 P-L2025	1.2969	2 x 5.0Ah	✓	✓	2852.46
PBL 150 P-L2026	1.3266	2 x 6.0Ah	✓	✓	3114.75

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	2,0 / 4,0 / 5,0 6,0 Ah
Turatii in gol treapta 1 / treapta 2	0 - 500 / 2100 rpm
Percutii treapta 1 / treapta 2	35000 ipm
Capacitate mandrina	Φ 1.5 - 13 mm
Cuplu de strangere	150 Nm
Reglarea momentului	20 + 3 pozitii
Capacitate maxima de gaurire lemn	60 mm
Capacitate maxima de gaurire otel	16 mm
Capacitate maxima de gaurire zidarie	20 mm
Greutate	1,4 kg



AVATAJELE PRODUSULUI

- *cuplu mare de 80 Nm si un motor puternic BRUSHLESS, fara perii.*
- *mandrina metalica automata cu blocare de siguranta de 13 mm..*
- *ambreiaj cu 20 de setari + 3 functii de reglare pentru control limita de strangere. Ambreiaj limitator de cuplu, conceput pentru a elibera angrenajele în cazul în care burghiul se blocheaza, protejand astfel unealta si operatorul*

Motor BRUSHLESS

STAYER

PBL 50 BRUSHLESS L20 NOU

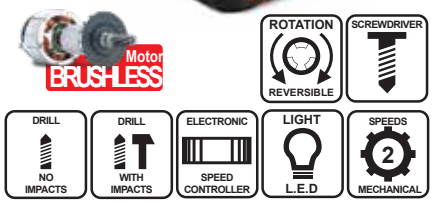
Masina de insurubat/gaurit cu percutie acumulatori Li-ion 18 V

3 Functii: Gaurire, Insurubare si Gaurire cu percutie

AVATAJELE PRODUSULUI

- *mandrina automata cu blocare de siguranta.*
- *ambreiaj cu 20+1+1+1+1 de puncte de reglare pentru strangere controlata*
- *lumina LED de ghidare.*
- *2 viteze mecanice*
- *reversibila si electronica cu microprocesor*





PBL 50	**1.3059**	X	X	X	**573.77**
PBL 50 L2022 PK	**1.2964**	2 x 2.0Ah	✓	✓	**1196.72**
PBL 50 L2024 PK	**1.2965**	2 x 4.0Ah	✓	✓	**1590.16**
PBL 50 L2025 PK	**1.2966**	2 x 5.0Ah	✓	✓	**2245.90**
PBL 50 L2026 PK	**1.3475**	2 x 6.0Ah	✓	✓	**2508.20**

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	2,0 / 4,0 / 5,0 Ah
Turatii in gol treapta 1 / treapta 2	0 - 500 / 0 - 2000 rpm
Percutii treapta 1 / treapta 2	0 - 7500 / 30000 ipm
Capacitate mandrina	Φ 2 - 13 mm
Cuplu de strangere	60 Nm
Reglarea momentului	21 + 3 pozitii
Capacitate maxima de gaurire lemn	45 mm
Capacitate maxima de gaurire otel	13 mm
Capacitate maxima de gaurire zidarie	13 mm
Greutate	1,2 kg



PBL 80 P - L20 NOU

Masina de insurubat/gaurit cu percutie acumulatori Li-ion 18 V

3 Functii: Gaurire, Insurubare si Gaurire cu percutie

AVATAJELE PRODUSULUI

- *cuplu mare de 80 Nm si un motor puternic BRUSHLESS, fara perii.*
- *mandrina metalica automata cu blocare de siguranta de 13 mm..*
- *ambreiaj cu 20 de setari + 3 functii de reglare pentru control limita de strangere. Ambreiaj limitator de cuplu, conceput pentru a elibera angrenajele în cazul în care burghiul se blocheaza, protejand astfel unealta si operatorul.*
- *2 viteze mecanice.*

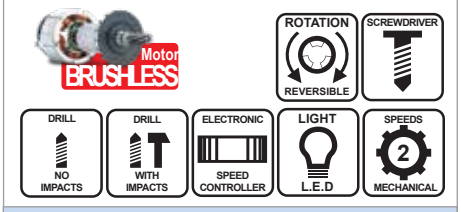
Vitez 1: cuplu maxim de pana la 500 rpm pentru insurubare, gaurire in metal si gaurire in lemn de esenta tare cu burghiede diametru mare.

Viteza / Setarea 2: cuplu minim si turatie maxima pana la 2000 rpm pentru materiale de gaurit si lemn moale, cu burghie de diametru mic si pentru gaurit cu percutie materiale de constructii.

- *motor puternic fara perii pentru o eficienta sporita, reducand in mod semnificativ acumularea de caldura si marind considerabil durata de viata a motorului si a acumulatorului.*
- *acumulator STAYER Li-ion HIGH-TECH, L20 cu protectie la supraincarcare, descarcare a bateriei, supraincalzire si protectie la scurtcircuit. LED indicator de incarcare.*
- *clema oentru curea.*
- *lumina de ghidare LED*







PBL 80 L20	**1.2903**	X	X	X	**950.82**
PBL 80 L2022 PK	**1.3263**	2 x 2.0Ah	✓	✓	**1557.38**
PBL 80 L2024 PK	**1.3264**	2 x 4.0Ah	✓	✓	**1950.82**
PBL 80 L2025 PK	**1.3265**	2 x 5.0Ah	✓	✓	**2606.56**
PBL 80 L2026 PK	**1.3478**	2 x 6.0Ah	✓	✓	**2868.85**

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	2,0 / 4,0 / 5,0 / 6,0 Ah
Turatii in gol treapta 1 / treapta 2	0 - 500 / 0 - 2000 rpm
Percutii treapta 1 / treapta 2	0 - 7500 / 30000 ipm
Capacitate mandrina	Φ 1.5 - 13 mm
Cuplu de strangere	80 Nm
Reglarea momentului	20 + 3 pozitii
Capacitate maxima de gaurire lemn	50 mm
Capacitate maxima de gaurire otel	14 mm
Capacitate maxima de gaurire zidarie	16 mm
Greutate	1,2 kg

IS 230 L20 NOU

Masina de insurubat 1/4" cu impact 230 Nm cu acumulator Li-ion 18 V

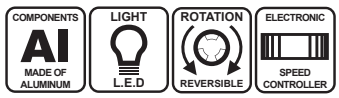
AVATAJELE PRODUSULUI

- *surubelnita cu impact ¼" alimentata cu acumulator 18 V cu motor Brushless, cuplu 230 Nm, 9 moduri de lucru, compatibil cu GAMA L20.*
- *4 setari care combina viteza, impactul si cuplul (culoarea verde)*
- ***MOD 1**: 0 - 1400 rpm / 0 – 1400 bpm / 90 Nm*
- ***MOD 2**: 0 - 2000 rpm / 0 – 2300 bpm / 150 Nm*
- ***MOD 3**: 0 - 2700 rpm / 0 – 3100 bpm / 180 Nm*
- ***MOD 4**: 0 - 3400 rpm / 0 – 4000 bpm / 230 Nm*
- *3 functii de strangere (culoare rosie)*
- ***FUNCTIA 1 LEMN:** Gaurire-Insurubare in lemn - Incepe incet pentru ca surubul sa nu alunece, iar cand detecteaza ca varful pătrunde in lemn, creste viteza.*
- ***FUNCTIA 2 METAL SUBTIRE:** Suruburi autofiletante in table subtiri de metal - Incepe sa functioneze la viteza maxima, iar cand detecteaza ca surubul a intrat complet, masina se opreste automat.*
- ***FUNCTIA 3 METAL GROS**: Suruburi autofiletante in metal gros (5 mm) - incepe sa lucreze la viteza maxima pentru a facilita gaurirea, iar cand detecteaza ca surubul a intrat aproape complet, viteza masinii va incetini automat pana ce terminati strangerea incet. In acest fel impiedicam surubul să nu fie strans corespunzator si sa alunece la început*
- *2 Functii de slăbire*
- ***Mod continuu** (niciun LED activ)*
- ***Mod oprire automata** (LED rosu aprins)*
- *comutator de reglare a vitezei variabile. Reversibila in ambele directii.*
- *suport pentru biți cu eliberare automată: Permite o schimbare mult mai confortabila a bitilor*
- *lumina de ghidare LED in zona de lucru. Motor puternic fara perii pentru o eficienta sporita, reducand in mod semnificativ acumularea de căldura si marind considerabil durata de viata a motorului si a acumulatorului*
- *acumulator STAYER Li-ion HIGH-TECH, L20 cu protectie impotriva suprasarcinii, descarcare a bateriei, supraincalzire, scurtcircuit.*
- *LED indicator de incarcare*









IS 230 L20	**1.2905**	X	X	X	**770.49**
IS 230 L2012	**1.2996**	1 x 2.0Ah	✓	✓	**1098.36**
IS 230 L2022	**1.2997**	2 x 2.0Ah	✓	✓	**1377.05**
IS 230 L2014	**1.2998**	1 x 4.0Ah	✓	✓	**1327.87**
IS 230 L2024	**1.2999**	2 x 4.0Ah	✓	✓	**1770.49**
IS 230 L2025	**1.3000**	2 x 5.0Ah	✓	✓	**2426.23**
IS 230 L2026	**1.3479**	2 x 6.0Ah	✓	✓	**2688.52**

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	2,0 / 4,0 / 5,0 Ah / 6,0 Ah
Turatii in gol	0-1400 / 0-2000 / 0-2700 / 0-3400 rpm
Rata de impact	0-1400 / 0-2300 / 0-3100 / 0-4000 ipm
Prindere patrat	1/4"
Cuplu de strangere	90 / 150 / 180 / 230 Nm
Greutate	0,9 kg

DWS L20 NOU

Masina de insurubat pentru gips carton, cu acumulatori Li-ion 18 V

AVATAJELE PRODUSULUI

- *alimentator cu surub pentru surubelnita DWS L20 pentru gips-carton.*
- *regulator de adâncime adaptabil.*
- *foarte usor 0,33Kg.*
- *regulator de lungime pentru suruburi, permitand utilizarea diferitelor dimensiuni de la 25 mm la 55 mm de surub.*
- *mai multe pozitii pentru a imbunatati confortul utilizatorului la insurubare.*
- *lasarea usoara si rapida a suruburilor*



Accesoriile nu sunt incluse

STAYER

DWS L20	1.2580	X	X	X	918.03
DWS L2012 K	1.3335	1 x 2.0Ah	✓	✓	1327.87
DWS L2022 K	1.2581	2 x 2.0Ah	✓	✓	1606.56
DWS L2014 K	1.3337	1 x 4.0Ah	✓	✓	1557.38
DWS L2024 K	1.2680	2 x 4.0Ah	✓	✓	2000.00
Tensiune acumulator Li-ion		18 V			
Capacitate acumulator		2,0 / 4,0 Ah			
Greutate		0,33 kg			

DWR L20 NOU

Fierastrau pentru gips-carton, acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *fierastrau de taiere pentru gips-carton.*
- *ideal pentru gips-carton, decupaje electrice in pereti si tavane din gips-carton*
- *lumina de ghidare LED.*
- *adancime reglabila pentru a imbunatati suportul si controlul taieturii*
- *potrivit pentru taieri mici si rapide de gips-carton, datorita 26.000 rpm.*
- *comutator etans cu protectie impotriva prafului.*
- *pornire soft.*
- *schimbare rapida a taietorului.*
- *usoare si ergonomice pentru operare cu o singura mana*
- *mandrina de 1/4" (6,4 mm) si 1/8" (3,2 mm).*



STAYER HIGH-TECH STAYER LITHIUM

DWR L20	1.3229	X	X	X	737.70
DWR L2012	1.3230	1 x 2.0Ah	✓	✓	1065.57
DWR L2022	1.3231	2 x 2.0Ah	✓	✓	1344.26
Turatie mers in gol		2600 rpm			
Penseta		1/4" - 1/8"			
Greutate		0.96 kg			

DWS L20 NOU

Alimentator masina de insurubat pentru gips carton

AVATAJELE PRODUSULUI

- *alimentator cu surub pentru surubelnita DWS L20 pentru gips-carton.*
- *regulator de adâncime adaptabil.*
- *foarte usor 0,33Kg.*
- *regulator de lungime pentru suruburi, permitand utilizarea diferitelor dimensiuni de la 25 mm la 55 mm de surub.*
- *mai multe pozitii pentru a imbunatati confortul utilizatorului la insurubare.*
- *lasarea usoara si rapida a suruburilor*



STAYER

DWS L20	1.3083	X	X	X	327.87

CG L20 NOU

Pistol de lipit cu cartus si acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *margele de silicon consistente si uniforme. Instrumentul este special conceput pentru a se adapta la grosimea, capacitatea de lipire si vascozitatea cartusului utilizat*
- *sistem anti picurare pentru a evita petele dupa oprirea unealta.*
- *regulator electronic de viteza cu 6 trepte*
- *intrerupator blocare de siguranta*
- *putere controlata de presiunea declansatorului.*
- *maner ergonomic anti-alunecare.*
- *special conceput pentru sarcini de lunga durata cu materiale de grosime si vascozitate mare*
- *proiectat pentru lucrul din sticla, ansambluri, automobile, placare ssi lucru cu toate tipurile de geamuri din sticla*



HIGH-TECH STAYER LITHIUM

STAYER

CARTRIDGES <310 ml | ANTI DRIP SYSTEM | ELECTRONIC 6 SPEED CONTROLLER

CG L20	1.2760	X	X	X	1032.79
CG L2012 Set	1.2802	1 x 2.0Ah	✓	✓	1393.44
CG L2022 Set	1.2803	2 x 2.0Ah	✓	✓	1672.13
CG L2014 Set	1.2804	1 x 4.0Ah	✓	✓	1622.95
CG L2024 Set	1.3162	2 x 4.0Ah	✓	✓	2065.57
Putere maxima de alimentare		5000 N			
Viteza de alimentare		0.7 / 11 mm/s			
Capacitate maxima a cartusului		310 ml			
Greutate		2 kg			

1.3040 NOU

Cartus 600 ml

- *extinde capacitatea CG L20 pana la 600 ml.*
- *special conceput pentru batoane de capacitate mare din poliuretan, silicon si alti adezivi.*
- *instalare usoara pe unealta prin inlocuirea tijei de impingere si insurubarea cartusului pe pistol.*



STAYER

	mm	ml	gr	
1.3040	ø60 x 500	600	780	245.90

TV L20 NOU

Vantuza pentru placi ceramice cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *forta de aspirare puternica: 50 kg capacitate de prindere pentru gresie si placi, ceramica, gresie, portelan, granit si marmura.*
- *potrivit pentru gresie, placi mici: pentru mutarea si relocarea placilor de gresie si faianta, ceea ce imbunatateste semnificativ eficienta muncii*
- *suctiune cu un singur buton, forta uniforma: pentru a ajusta frecventa de suctiunee la dimensiunea placilor, pentru a corecta pozitia caramizii si a imbunatiti eficienta*
- *maner antiderapant: functionare stabila si sigura*
- *cap din aluminiu.*
- *buton de blocare*



HIGH-TECH STAYER LITHIUM

STAYER

WEIGHT kg 1.9 | PLATE ø130 mm | ELECTRONIC 6 CONTROLLER SPEED

TV L20	1.3257	X	X	X	491.80
TV L2012 K	1.3258	1 x 2.0Ah	✓	✓	819.67
TV L2022 K	1.3259	2 x 2.0Ah	✓	✓	1098.36
TV L2014 K	1.3260	1 x 4.0Ah	✓	✓	1065.57
TV L2024 K	1.3261	2 x 4.0Ah	✓	✓	1491.80
TV L2025 K	1.3472	2 x 5.0Ah	✓	✓	2131.15
TV L2026 K	1.3480	2 x 6.0Ah	✓	✓	2409.84
Diametrul ventuzei		130 mm			
Capacitate maxima		50 kg			
Frecventa vibratiilor		6 viteze			
Greutate		1,9 kg			

CG L20 NOU

Pistol de lipit cu cartus si acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *cartus pentru a extinde capacitatea CG L20 pana la 600 ml.*
- *special conceput pentru cartuse de capacitate mare din poliuretan, silicon si alti adezivi.*
- *instalare usoara pe unealta prin inlocuirea tijei de impingere si insurubarea cartusului pe pistol.*



HIGH-TECH STAYER LITHIUM

STAYER

CARTRIDGES <310 ml | CARTRIDGES <600 ml

CG L2012+cartus	1.3167	1 x 2.0Ah	✓	✓	1557.38
CG L2022+cartus	1.3168	2 x 2.0Ah	✓	✓	1836.07
CG L2014+cartus	1.3169	1 x 4.0Ah	✓	✓	1786.89
CG L2024+cartus	1.3170	2 x 4.0Ah	✓	✓	2229.51
Putere maxima de alimentare		5000 N			
Viteza de alimentare		0.7 / 11 mm/s			
Capacitate maxima a cartusului		310 ml			
Greutate		2 kg			

IWB 550 L20 NOU

Masina de insurubat 1/2" cu impact 550 Nm cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *masina de insurubat de impact cu acumulator de 18 V cu motor puternic fara perii si cuplu mare reglabil pana la 750 Nm.*
- *3 setari pentru viteza, impact si cuplu.*
- *0 – 1800 rpm / 300 Nm / 0 – 1800 ipm.*
- *0 – 2300 rpm / 450 Nm / 0 – 2200 ipm.*
- *0 – 2800 rpm / 550 Nm / 0 – 3000 ipm.*
- *2 moduri de slabire la 750 Nm: Mod continuu si slabire timp de 1 secunda*
- *motor puternic fara perii care permite cresterea eficientei, reducand semnificativ incalzirea si marind considerabil durata de viata a motorului si durata bateriei.*
- *baterie STAYER Li-ion HIGH-TECH, L20 cu protectie impotriva suprasarcinii, descarcarea bateriei, supraincalzire, scurtcircuit. LED indicator de incarcare.*
- *ideal pentru montarea rotilor pe vehicule, precum si pentru constructa de schele si structuri care trebuie insurubate direct in beton sau lemn.*
- *invelis de cauciuc anti-vibrati pe mâner, cap si corpul instrumentului pentru o manevrare sigura si confortabila*
- *frana electronica si ambreiaj de siguranta*
- *clema convenabila pentru agatarea unealta pe centura intre lucrari.*
- *lumina LED în zona de lucru.*



STAYER

TORQUE	WORK MODES	LIGHT	ROTATION	ELECTRONIC
550 Nm	3	L.E.D	REVERSIBLE	SPEED CONTROLLER

IWBL 550 L20	**1.2853**	X	X	X	**1311.48**
IWBL 550 2014	**1.2973**	1 x 4.0Ah	✓	✓	**1868.85**
IWBL 550 2024	**1.2974**	2 x 4.0Ah	✓	✓	**2377.05**
IWBL 550 2025	**1.2975**	2 x 5.0Ah	✓	✓	**3016.39**
IWBL 550 2026	**1.3481**	2 x 6.0Ah	✓	✓	**3262.30**

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	2.0 / 4.0 / 5.0 / 6.0 Ah
Turatii in gol	0-1800 / 0-2300 / 0-2800 rpm
Rata de impact	0-1800 / 0-2200 / 0-3000 ipm
Prindere patrat	1/2"F UNF
Cuplu de strangere	300 / 450 / 550 Nm
Greutate	1,47 kg

IWB 750 L20 NOU

Masina de insurubat 1/2" cu impact 750 Nm cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *masina de insurubat de impact cu acumulator de 18 V cu motor puternic fara perii si cuplu mare reglabil pana la 750 Nm.*
- *3 setari pentru viteza, impact si cuplu.*
- *0 – 1400 rpm / 300 Nm / 0 – 1600 ipm.*
- *0 – 1900 rpm / 500 Nm / 0 – 2000 ipm.*
- *0 – 2400 rpm / 750 Nm / 0 – 2400 ipm.*
- *2 moduri de slabire la 1000 Nm: Mod continuu si slabire timp de 1 secunda*
- *motor puternic fara perii care permite cresterea eficientei, reducand semnificativ incalzirea si marind considerabil durata de viata a motorului si durata bateriei.*
- *baterie STAYER Li-ion HIGH-TECH, L20 cu protectie impotriva suprasarcinii, descarcarea bateriei, supraincalzire, scurtcircuit. LED indicator de incarcare.*
- *ideal pentru montarea rotilor pe vehicule, precum si pentru constructa de schele si structuri care trebuie insurubate direct in beton sau lemn.*
- *invelis de cauciuc anti-vibrati pe mâner, cap si corpul instrumentului pentru o manevrare sigura si confortabila*
- *frana electronica si ambreiaj de siguranta*
- *clema convenabila pentru agatarea unealta pe centura intre lucrari.*
- *lumina LED în zona de lucru.*



STAYER

TORQUE	WORK MODES	LIGHT	ROTATION	ELECTRONIC
750 Nm	3	L.E.D	REVERSIBLE	SPEED CONTROLLER

IWB 750 L20	**1.2845**	X	X	X	**1721.31**
IWB 750 L2014	**1.2978**	1 x 4.0Ah	✓	✓	**2278.69**
IWB 750 L2024	**1.2979**	2 x 4.0Ah	✓	✓	**2721.31**
IWB 750 L2025	**1.2980**	2 x 5.0Ah	✓	✓	**3377.05**
IWB 750 L2026	**1.3272**	2 x 6.0Ah	✓	✓	**3639.34**

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	2.0 / 4.0 / 5.0 / 6.0 Ah
Turatii in gol	0-1400 / 0-1900 / 0-2400 rpm
Rata de impact	0-1600 / 0-2000 / 0-2400 ipm
Prindere patrat	1/2"F UNF
Cuplu de strangere	300 / 500 / 750 Nm
Greutate	2,0 kg

IWB 1000 L20 NOU

Masina de insurubat 1/2" cu impact 1000 Nm cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *masina de insurubat de impact cu acumulator de 18 V cu motor puternic fara perii si cuplu mare reglabil pana la 750 Nm.*
- *3 setari pentru viteza, impact si cuplu.*
- *0 – 1000 rpm / 650 Nm / 0 – 1200 ipm.*
- *0 – 1200 rpm / 800 Nm / 0 – 1500 ipm.*
- *0 – 1700 rpm / 1000 Nm / 0 – 2100 ipm*
- *2 moduri de slabire la 1300 Nm: Mod continuu si slabire timp de 1 secunda*
- *motor puternic fara perii care permite cresterea eficientei, reducand semnificativ incalzirea si marind considerabil durata de viata a motorului si durata bateriei.*
- *baterie STAYER Li-ion HIGH-TECH, L20 cu protectie impotriva suprasarcinii, descarcarea bateriei, supraincalzire, scurtcircuit. LED indicator de incarcare.*
- *ideal pentru montarea rotilor pe vehicule, precum si pentru constructa de schele si structuri care trebuie insurubate direct in beton sau lemn.*
- *invelis de cauciuc anti-vibrati pe mâner, cap si corpul instrumentului pentru o manevrare sigura si confortabila*
- *frana electronica si ambreiaj de siguranta*
- *clema convenabila pentru agatarea unealta pe centura intre lucrari.*
- *lumina LED în zona de lucru.*



STAYER

TORQUE	WORK MODES	LIGHT	ROTATION	ELECTRONIC
1000 Nm	3	L.E.D	REVERSIBLE	SPEED CONTROLLER

IWBL 1000 L20	**1.2791**	X	X	X	**2868.85**
IWBL 1000 2014	**1.2801**	1 x 4.0Ah	✓	✓	**3426.23**
IWBL 1000 2024	**1.2586**	2 x 4.0Ah	✓	✓	**3868.85**
IWBL 1000 2025	**1.2995**	2 x 5.0Ah	✓	✓	**4524.59**
IWBL 1000 2026	**1.3483**	2 x 6.0Ah	✓	✓	**4786.89**

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	2.0 / 4.0 / 5.0 / 6.0 Ah
Turatii in gol	0-1000 / 0-1200 / 0-1700 rpm
Rata de impact	0-1200 / 0-1500 / 0-2100 ipm
Prindere patrat	1/2"F UNF
Cuplu de strangere	650 / 800 / 1000 Nm
Greutate	5,5 kg

RW L20 NOU

Clichet 3/8" 60 Nm cu acumulator Li-ion 18 V

STAYER HIGH-TECH STAYER

RW L20	**1.3082**	X	X	X	**672.13**
RW L2012 Set	**1.3267**	1 x 4.0Ah	✓	✓	**1000.00**
RW L2022 Set	**1.3268**	2 x 4.0Ah	✓	✓	**1278.69**
RW L2014 Set	**1.3269**	1 x 4.0Ah	✓	✓	**1229.51**
RW L2024 Set	**1.3270**	2 x 4.0Ah	✓	✓	**1672.13**

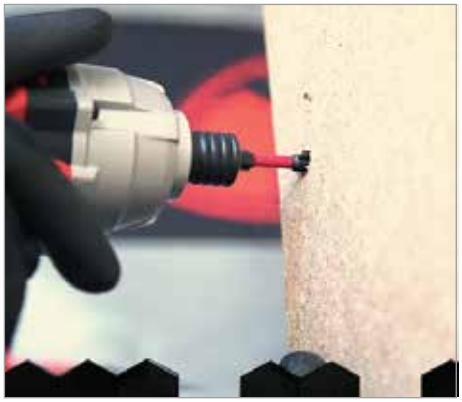
Tensiune acumulator Li-ion	18 V
Capacitate acumulator	2,0 / 4,0 / 5,0 Ah
Turatii in gol	0 - 250 rpm
Prindere patrat	3/8" UNF
Cuplu de strangere	60 Nm
Greutate	1,31 kg

AVATAJELE PRODUSULUI

- *ideal pentru lucrari de mecanica si/sau auto.*
- *adaptor cheie.*
- *maneta de blocare.*
- *acces facil la locuri mici.*
- *declansator cu reglare pentru manevrarea usoara a sculei.*
- *lumina LED care lumineaza zona de lucru.*
- *acoperire din cauciuc pentru o mai bună aderenta*



NO LOAD SPEED	MAX TORQUE	INSERTION	WEIGHT
0-250 min⁻¹	60 Nm	3/8"-1/4"	1,3 kg



IWB 1600 NOU

Masina de insurubat 3/4" cu impact 1600 Nm cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *masina de insurubat de impact cu acumulator de 18 V cu motor puternic fara perii si cuplu mare reglabil pana la 750 Nm.*
- *3 setari pentru viteza, impact si cuplu.*
- *0 – 1000 rpm / 900 Nm / 0 – 1000 ipm.*
- *0 – 1400 rpm / 1300 Nm / 0 – 1800 ipm.*
- *0 – 1750 rpm / 1600 Nm / 0 – 2400 ipm*
- *2 moduri de slabire la 1600 Nm: Mod continuu si slabire timp de 1 secunda*
- *motor puternic fara perii care permite cresterea eficientei, reducand semnificativ incalzirea si marind considerabil durata de viata a motorului si durata bateriei.*
- *baterie STAYER Li-ion HIGH-TECH, L20 cu protectie impotriva suprasarcinii, descarcarea bateriei, supraincalzire, scurtcircuit. LED indicator de incarcare.*
- *ideal pentru montarea rotilor pe vehicule, precum si pentru constructa de schele si structuri care trebuie insurubate direct in beton sau lemn.*
- *invelis de cauciuc anti-vibrati pe mâner, cap si corpul instrumentului pentru o manevrare sigura si confortabila*
- *frana electronica si ambreiaj de siguranta*
- *clema convenabila pentru agatarea unealta pe centura intre lucrari.*
- *lumina LED în zona de lucru.*





HIGH-TECH LI-ION STAYER

STAYER

TORQUE	WORK MODES	LIGHT	ROTATION	ELECTRONIC
1600 Nm	3	L.E.D	REVERSIBLE	SPEED CONTROLLER

IWB 1600	**1.3058**	2 x 7.5Ah	✓	✓	**5163.93**

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	7.5 Ah
Turatii in gol	0-1000 / 0-1400 / 0-1750 rpm
Rata de impact	1000 / 1800 / 2400 ipm
Prindere patrat	3/4" UNF
Cuplu de strangere	900 / 1300 / 1600 Nm
Greutate	3,4 kg



HDB L20 NOU

Ciocan rotopercutor SDS-plus 2.8 J cu acumulatori Li-ion 18 V

4 Functii: Gaurire, Gaurire cu percutie, Daltuire, Vario-lock

AVATAJELE PRODUSULUI

- *perforare pneumatică: găurește de 20 de ori mai repede decat o unealtă similară cu impact*
- *motor fara perii de carbon pentru o performanta mai buna si o durata de viata prelungita*
- *mandrina SDS-plus*
- *lumina LED de lucru*



HIGH-TECH LI-ION STAYER

STAYER

ROTATION	DRILL
REVERSIBLE	NO IMPACTS

DRILL	CHISELLER	VARIO-LOCK	ELECTRONIC	INSERTION
WITH IMPACTS	ONLY IMPACTS	CHISEL POSITION	SPEED CONTROLLER	SDS - PLUS

HDB L20	**1.2391**	X	X	X	**1213.11**
HDB L2014	**1.2517**	1 x 4.0Ah	✓	✓	**1770.49**
HDB L2024	**1.2417**	2 x 4.0Ah	✓	✓	**2213.11**
HDB L2025	**1.2418**	2 x 5.0Ah	✓	✓	**2868.85**
HDB L2026	**1.3280**	2 x 6.0Ah	✓	✓	**3147.54**

Tensiune acumulator Li-ion	18 V
Turatie mers in gol	0-1200 rpm
Rata impact	0-5300 ipm
Energie de impact	2.8 J
Port-scula	SDS-PLUS
Capacitate maxima de gaurire beton	26 mm
Greutate	2.6 kg

RG L20 BRUSHLESS NOU

Nituitor cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *motor fara perii: performanta mai mare si viata mai lunga*
- *motor puternic fara perii pentru o eficienta sporita, reducand semnificativ incalzirea si crescand considerabil durata de viata a motorului si a acumulatorului.*
- *acumulator STAYER Li-ion HIGH-TECH, L20 cu protectie impotriva supraincarcarii, descarcarii bateriei, supraincalzirii, scurtcircuitului. LED indicator de incarcare.*
- *nituri oarbe 27 mm lungime.*
- *maner ergonomic si echilibrat.*
- *material nit: aluminiu, otel inoxidabil, otel.*
- *lumina de ghidare LED*



HIGH-TECH LI-ION STAYER

STAYER

RG L20	**1.3347**	X	X	X	**2786.89**
RG L2022	**1.3348**	2 x 2.0Ah	✓	✓	**3393.44**
RG L2024	**1.3349**	2 x 4.0Ah	✓	✓	**3786.89**
RG L2025	**1.3350**	2 x 5.0Ah	✓	✓	**4442.62**

Rezistență la tracțiune	20000 N
Dimensiunea nitului	2.4 - 3.2 - 4.0 - 5.0 mm
Lungimea nitului	27 mm
Moduri de nituire	Automatic / manual
Greutate	1.5 kg

NS L20 NOU

Capsator cu acumulatori Li-ion 18 V

AVATAJELE PRODUSULUI

- *motor puternic 750*
- *potrivit pentru cuie „T" de la ø15 la 32 mm si capse de la 15 la 25 mm*
- *special conceput pentru tapiterie si prelucrarea lemnului*
- *regulator de presiune*
- *cap de precizie cu senzor de securitate*
- *lampa de lucru L.E.D*



T NAILS	STAPLES
15 - 32 mm	15 - 25 mm

LIGHT	ELECTRONIC
L.E.D	PRESSURE REGULATOR

HIGH-TECH LI-ION STAYER

STAYER

NS L20	**1.2642**	X	X	**606.56**
NS L2012	**1.2643**	1 x 2.0Ah	✓	**983.61**
NS L2022	**1.3301**	2 x 2.0Ah	✓	**1180.33**

Rata impact	30 ipm
Cuie T	1-32 mm
Capse	15-25 mm
Greutate	1.8 kg

Accesorii **Cod.**

Cutie cuie	Lungime 15mm	1000 buc	12.889
Cutie cuie	Lungime 32mm	1000 buc	12.890
Cutie capse	Adancime 15mm	1000 buc	12.891

AGR 125 L20 NOU

Polizor unghiular 125 mm cu acumulatori Li-ion 18 V

AVATAJELE PRODUSULUI

• polizor unghiular 125 mm cu baterie 18V.
• comutator de siguranta. Cand comutatorul este activat, un sistem de franare electric opreste discul on mai putin de 2 secunde. Acest lucru previne posibilele accidente in cazul in care operatorul scapa unealta.
• ambreiaj de siguranta care reduce reactia in cazul blocarii sau opririi.
• maner reglabil pe ambele parti si pe cap, prindere ingusta si ergonomica, pentru un confort sporit.



DISC ø125 mm

AGR 125 L20	1.3099	X	X	X	786.89
AGR 125 L2014	1.3100	1 x 4.0Ah	✓	✓	1409.84
AGR 125 L2024	1.3102	2 x 4.0Ah	✓	✓	1836.07
AGR 125 L2015	1.3101	1 x 5.0Ah	✓	✓	1721.31
AGR 125 L2025	1.3103	2 x 5.0Ah	✓	✓	2491.80
AGR 125 L2026	1.3289	2 x 6.0Ah	✓	✓	2754.10

Tensiune acumulator Li-ion	18 V
Capacitate acumulator	4,0 / 5,0 / 6,0 Ah
Turatii in gol	8500 rpm
Diametru exterior disc	125 mm
Filet ax	M14
Timp incarcare acumulator	60 min
Greutate	1,5 kg

AGB125 L20 NOU

Polizor unghiular BRUSHLESS 125 mm cu acumulator 18 V Li-Ion

AVATAJELE PRODUSULUI

• sistem electronic de viteza constanta; pornire soft
• comutator cu palete pentru declanşarea manuală
• design ergonomic si subtire, permite utilizatorului să manevreze instrumentul cu o singura mana
• sistem de franare sub 2 secunde
• ambreiaj de siguranta impotriva accidentelor
• sistem de racire cu grile de protectie
• maner auxiliar in 2 pozitii

Motor BRUSHLESS



ENHACED COOLING · ELECTRONIC STOP BRAKE · PADDLE SWITCH · CONSTANT SPEED UNDER LOAD · DISC ø115 mm

AGB 125 L20	1.2833	X	X	X	950.82
AGB 125 L2014	1.2839	1 x 4.0Ah	✓	✓	1540.98
AGB 125 L2024	1.2841	2 x 4.0Ah	✓	✓	1983.61
AGB 125 L2015	1.2840	1 x 5.0Ah	✓	✓	1868.85
AGB 125 L2025	1.2842	2 x 5.0Ah	✓	✓	2639.34
AGB 125 L2026	1.3300	2 x 6.0Ah	✓	✓	2901.64

Turatie mers in gol	10000 rpm
Dimensiunea discului	125 mm
Filet	M 14
Greutate	1.8 kg

LOM L20 NOU

Slefuitor orbital cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

• placa autoaderanta cu 8 gauri
• sistem de aspirare a prafului incorporat
• regulator electronic de viteza pe 6 nivele
• design ergonomic pentru utilizare cu o singura mana
• lampă de lucru L.E.D

Include: *sac de colectare a prafului si x2 foi de slefuit P120 si P400*



DUST COLLECTING BAG · BUILT-IN VACUUMING · ORBIT 2 mm · SELF ADHERING PLATE ø125 mm · ELECTRONIC 6 SPEED CONTROLLER

LOM L20	1.2069	X	X	X	524.59
LOM L2012 Set	1.2536	1 x 2.0Ah	✓	✓	934.43
LOM L2022 Set	1.2213	2 x 2.0Ah	✓	✓	1213.11

Turatie mers in gol	0 - 2600 rpm
Diametru platan	Ø125 mm
Orbita	2 mm
Greutate	1.1 kg

SS L20 NOU

Fierastrau sabie cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

• motor puternic 785
• setare de taiere pendulara
• schimbare rapida a lamei. Insertie universala
• regulator de adancime de taiere
• declansatorul controlerului de viteza
• blocare intrerupator de siguranta
• lampa de lucru L.E.D



SAFETY SWITCH · CUT PENDULAR · UNIVERSAL INSERTION QUICK BLADE CHANGE · LIGHT L.E.D · ELECTRONIC SPEED CONTROLLER

SS L20	1.2080	X	X	X	672.13
SS L2012 Set	1.2531	1 x 2.0Ah	✓	✓	1049.18
SS L2022 Set	1.2210	2 x 2.0Ah	✓	✓	1327.87
SS L2014 Set	1.2532	1 x 4.0Ah	✓	✓	1278.69
SS L2024 Set	1.2216	2 x 4.0Ah	✓	✓	1721.31
SS L2025 Set	1.2908	2 x 5.0Ah	✓	✓	2377.05

Taieri pe minut	0 - 2600 rpm
Cursa	22 mm
Capacitate maxima taierea lemn	180 mm
Capacitate maxima taiere profil metal	100 mm
Capacitate maxima taiere otel	10 mm
Capacitate maxima taiere aluminiu	25 mm
Greutate	1.7 kg

DELTA L20 NOU

Slefuitor cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

• placa adeziva cu 15 orificii de aspirare.
• rezervor transparent de colectare a prafului.
• design ergonomic pentru operare cu o singura mana



DUST COLLECTING BAG · BUILT-IN VACUUMING · SELF ADHERING PLATE ø125 mm

DELTA L20	1.3302	X	X	X	491.80
DELTA L2012	1.3303	1 x 2.0Ah	✓	✓	819.67
DELTA L2022	1.3304	2 x 2.0Ah	✓	✓	1098.36

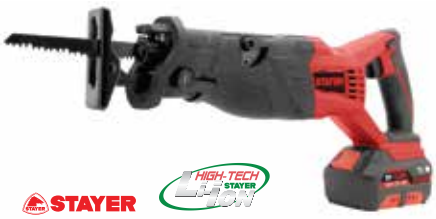
Rotatii pe minut	11000 rpm
Dimensiunea farfurii	148 x 100 mm
Hartie abraziva	150 x 150 x 100 mm
Orbita	1.6 mm
Greutate	1.1 kg

SSP L20 NOU

Fierastrau sabie cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

• fierastrau alternativ fara fir de 18 V pentru panze de pana la 210 mm cu reglare de taiere pendulara
• sistem de schimbare rapida a lamei cu insertie universala
• regulator de adancime de taiere reglabil.
• iluminare LED pentru o vizibilitate imbunatatita a zonei de lucru.
• pentru taierea tuturor tipurilor de lemn / taiere / lemn de foc / reparare paleti / taiere profile si table / tevi PVC sau fonta. In constructii pentru caramizi / gips carton / fibrociment.
• comutator cu regulator de viteza si blocare de siguranta impotriva activarii accidentale.
• control de taiere pendulara, pentru a regla orbita cu controlul vitezei lamei in functie de materialul de taiat.
• usoare si ergonomice cu prindere anti-alunecare.
• capacitate mare de taiere.
• baterie STAYER Li-ion HIGH-TECH, L20 cu protectie impotriva supraincarcarii, descarcarea bateriei, supraincălzire, scurtcircuit. LED indicator de incarcare.



SAFETY SWITCH · CUT PENDULAR · UNIVERSAL INSERTION QUICK BLADE CHANGE · LIGHT L.E.D · ELECTRONIC SPEED CONTROLLER

SSP L20	1.2892	X	X	X	901.64
SSP L2012 Set	1.3001	1 x 2.0Ah	✓	✓	1278.69
SSP L2022 Set	1.3003	2 x 2.0Ah	✓	✓	1557.38
SSP L2014 Set	1.3002	1 x 4.0Ah	✓	✓	1508.20
SSP L2024 Set	1.3004	2 x 4.0Ah	✓	✓	1934.43
SSP L2025 Set	1.3005	2 x 5.0Ah	✓	✓	2606.56

Tensiune acumulator	18 V
Capacitate acumulator	2.0-4.0 Ah
Turatie mers in gol	0 - 3100 rpm
Cursa	22 mm
Timp incarcare acumulator	60 min
Capacitate maxima de taiere	210 mm
Capacitate maxima taierea profile	110 mm
Capacitate maxima taiere profil metal	15 mm
Capacitate maxima taiere aluminiu	30 mm
Greutate	1.7 kg

S L20 NOU

Fierastrau pendular cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *motor puternic 785*
- *setare de tsiere pendulare cu 4 pozitii*
- *schimbare rapida a lamei - prindere T*
- *baza din aluminiu*
- *regulator de viteza pe tragaci*
- *blocare intrerupator de siguranta*
- *lampa de lucru L.E.D*
- *suflanta incorporată*
- *gata pentru cuplare cu un aspirator extern*

Include: *ghidaj lateral*





S L20	1.2136	X	X	X	639.34
S L2012 Set	1.2535	1 x 2.0Ah	✓	✓	1016.39
S L2022 Set	1.2211	2 x 2.0Ah	✓	✓	1295.08
S L2024 Set	1.2217	2 x 4.0Ah	✓	✓	1672.13

Turatie mers in gol	0-2700 rpm
Cursa	20 mm
Capacitate maxima taiere lemn	90 mm
Capacitate maxima taiere otel	8 mm
Capacitate maxima taiere aluminiu	12 mm
Taieri inclinate	0-45 °
Greutate	1.7 kg

CP L20 NOU

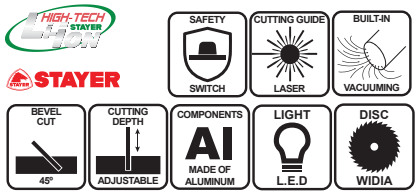
Fierastrau circular panza 165 mm cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *motor puternic 785*
- *ghid de taiere cu laser*
- *baza din aluminiu*
- *limitator de adancime de taiere*
- *blocare intrerupator de siguranta*
- *gata pentru cuplare cu un aspirator extern*

Include: *ghidaj lateral*





CP L20	1.2232	X	X	X	934.43
CP L2012	1.2533	1 x 2.0Ah	✓	✓	1311.48
CP L2022	1.2236	2 x 2.0Ah	✓	✓	1590.16
CP L2014	1.2534	1 x 4.0Ah	✓	✓	1540.98
CP L2024	1.2419	2 x 4.0Ah	✓	✓	1983.61

Turatie mers in gol	4200 rpm
Diametru panza	Ø 165 mm
Capacitate taiere la 90°	54 mm
Capacitate taiere la 45°	35 mm
Greutate	3.2 kg

MINI OLMO L20 B NOU

Mini fierastrau cu lant, cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *special conceput pentru munca profesionala in podgorii, plantatii pomicole, precum si in gradinarit, horticultura si agricultura.*
- *sistem de schimbare rapida a lantului pentru o munca lina si neintrerupta*
- *declansator cu regulator de viteza controlat de presiune, pentru a se adapta la toate tipurile de sarcini.*
- *comutator de blocare de siguranta pentru a preveni accidentele de la activari accidentale.*
- *design usor si functional, potrivit in special pentru sarcini de lunga durata*

Include
Lubrifiant
x2 chei de service





MINI OLMO L20 B	1.2991	X	X	X	983.61
MINI OLMO L2012 B	1.3010	1 x 2.0Ah	✓	✓	1311.48
MINI OLMO L2022 B	1.3012	2 x 2.0Ah	✓	✓	1590.16
MINI OLMO L2014 B	1.3011	1 x 4.0Ah	✓	✓	1540.98
MINI OLMO L2024 B	1.3013	2 x 4.0Ah	✓	✓	1983.61
MINI OLMO L2015 B	1.3306	1 x 5.0Ah	✓	✓	1852.46

Tensiune acumulator	18 V
Viteza de taiere	4.7 m/s
Lungimea lantului	150 cm
Diametrul maxim de taiere	ø100 cm
Greutate	1.54 kg

MULTI L20 NOU

Masina oscilanta cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *motor puternic 775*
- *regulator electronic de viteza pe 6 nivele*
- *schimbare rapida a accesoriilor fara scule*
- *lampa de lucru L.E.D*







MULTI L20	1.2079	X	X	X	688.52
MULTI L2012	1.2530	1 x 2.0Ah	✓	✓	1081.97
MULTI L2022	1.2212	2 x 2.0Ah	✓	✓	1360.66

Turatie mers in gol	5000-20000 rpm
Unghiul de oscilatie	3°
Greutate	1.1 kg

BPB32 L20 BRUSHLESS NOU

Foarfeca de pomi, cu acumulator Li-ion 18 V

AVATAJELE PRODUSULUI

- *taiere automata de ramuri special conceputa pentru gradinarit, agricultura, tăierea vitei de vie si pomi fructiferi.*
- *sistem dublu de siguranta*
- *comutator pornit/oprit*
- *declansator comutator de siguranta*
- *blocare automata a comutatorului de siguranta dacs unealta ramane pornita fara utilizare pentru o perioada lunga de timp, sau daca o baterie este asamblata brusc, pentru a evita accidentele.*
- *maner ergonomic anti-alunecare.*
- *special conceput pentru sarcini .de lunga durata*





BP32 L20	1.2759	X	X	X	1131.15
BP32 L2012 Set	1.2805	1 x 2.0Ah	✓	✓	1442.62
BP32 L2022 Set	1.2806	2 x 2.0Ah	✓	✓	1737.70
BP32 L2014 Set	1.2807	1 x 4.0Ah	✓	✓	1688.52
BP32 L2024 Set	1.2808	2 x 4.0Ah	✓	✓	2114.75

Diametrul maxim de taiere	ø32 mm
Tăieri pe secunda	1.4 s
Greutate	0.95 kg

FL 700 NOU

Lampa cu acumulator Li-ion 3,7 V

AVANTAJELE PRODUSULUI

- *lanterna cu baterie integrata de 3.7V, cu capacitate luminoasa echiva-lenta cu 7W LED, cu port USB pentru incarcarea telefoanelor mobile.*
- *diferite moduri de iluminare cu puteri diferite pentru a se adapta la tot felul de situatii si nevoi:*
- *mod de iluminare concentrata 3W*
- *mod de iluminare a zonei totale 7W*
- *modul standard de iluminare a zonei 3W*
- *suport multifunctional rotativ si pliabil care permite utilizarea reflectorului în diverse moduri:*
- *maner pentru a-l transporta cu mana*
- *trepied pentru a-l așeza pe suprafete plane*
- *magnet pentru a-l lipi pe rafturi și schele*
- *carlig pentru a o agata de rafturi*
- *port USB-C pentru a-l folosi ca incarcator mobil sau power bank.*
- *intre 3 si 6 ore de lumina neintrerupta in functie de tipul de iluminat ales.*
- *design usor si compact de 112 x 104 x 52 mm si 460g.*



FL 700	1.3032	X	X	X	245.90

Tensiune acumulator Li-ion	3,7 V
Capacitate acumulator	4,4 Ah
Putere LED	3-7 W
Intensitate luminoasa	250-700 lm
Durata acumulator	3-6 h
Moduri de iliminare	3
Greutate	0,46 kg

FL 18V L20 NOU

Lampa cu acumulator Li-ion 3,7 V

AVANTAJELE PRODUSULUI

- *lanterna cu baterie de 3,7V si capacitate luminoasa echivalenta cu un LED de 21W.*
- *diverse moduri de iluminare cu diferite niveluri de putere pentru a se adapta la situatii si nevoi specifice.*
- *diferite manere care permit utilizarea lanternei in diverse moduri:*
- *maner pentru utilizare manuala*
- *trepied pentru asezarea pe suprafete plane.*
- *carlig pentru agqtat-o pe rafturi.*
- *baterie STAYER Li-ion HIGH-TECH, L20 cu protectie impotriva supraincarcarii, descarcarea bateriei, supraincalzire si scurtcircuit.*
- *intre 3 si 6 ore de lumina neintrerupta, in functie de modul de iluminare ales.*
- *design usor si compact.*



FL 18V L20	1.3106	X	X	X	442.62
FL 18V L2012	1.3308	1 x 2.0Ah	✓	✓	770.49
FL 18V L2022	1.3309	2 x 2.0Ah	✓	✓	1049.18
FL 18V L2014	1.3310	1 x 4.0Ah	✓	✓	1000.00
FL 18V L2024	1.3311	2 x 4.0Ah	✓	✓	1442.62

Tensiune acumulator Li-ion	3,7 V
Capacitate acumulator	4,4 Ah
Putere LED	21 W
Intensitate luminoasa	2500 lm
Durata acumulator	3-6 h
Modele iluminare	3
Greutate	0,9 kg

12.575

Acumulator seria L20 18 V, 2.0 Ah

AVATAJELE PRODUSULUI

- *acumulatori cu litiu pentru SERIA STAYER L20*
- *protejat impotriva: supraincarcare, descarcare, supraincalzire si comenzi rapide*
- *indicator luminos al nivelului bateriei*
- *1 rand cu 5 celule de litiu conectate in linie.*
- *tensiune = 5 celule x 3,6 V/celula = 18 V*
- *amperi = 2,0 Ah*



12.575	2.0Ah	278.69

12.577

Acumulator seria L20 18 V, 4.0 Ah

AVATAJELE PRODUSULUI

- *acumulatori cu litiu pentru SERIA STAYER L20*
- *protejat impotriva: supraincarcare, descarcare, supraincalzire si comenzi rapide*
- *indicator luminos al nivelului bateriei*
- *2 randuri conectate in paralel continand fiecare cate 5 celule de litiu conectate în linie (pentru un total de 10 celule).*
- *tensiune = 5 celule x 3,6 V/celula = 18 V*
- *amperi = 2,0 Ah/rand x 2 randuri = 4,0 Ah*



12.577	4.0Ah	442.62

12.589

Acumulator seria L20 18 V, 5.0 Ah

AVATAJELE PRODUSULUI

- *acumulatori cu litiu pentru SERIA STAYER L20*
- *protejat impotriva: supraincarcare, descarcare, supraincalzire si comenzi rapide*
- *indicator luminos al nivelului bateriei*
- *2 randuri conectate în paralel continand fiecare cate 5 celule de l itiu conectate in linie (pentru un total de 10 celule).*
- *Litiu 1865 INR 25 R*
- *tensiune = 5 celule x 3,6 V/celula = 18 V*
- *amperi = 2,5 Ah/rand x 2 randuri = 5,0 Ah*



12.589	5.0Ah	770.49

12.858 NOU

Acumulator seria L20 18 V, 6.0 Ah

AVATAJELE PRODUSULUI

- *acumulatori cu litiu pentru SERIA STAYER L20*
- *protejat impotriva: supraincarcare, descarcare, supraincalzire si comenzi rapide*
- *indicator luminos al nivelului bateriei*
- *3 randuri conectate in paralel continand fiecare cate 5 celule de litiu conectate in linie (pentru un total de 15 celule).*
- *Litiu 1865 INR 25 R*
- *tensiune = 5 celule x 3,6 V/celula = 18 V*
- *amperi = 2 Ah/rand x 3 randuri = 6,0 Ah*



12.858	6.0Ah	901.64

L20

Incarcator seria L20 18 V, 2.0 / 4.0-5.0 Ah

AVATAJELE PRODUSULUI

- *incarcator pentru acumulatori compatibil cu SERIA STAYER L20.*
- *incarcator inteligent cu 2 lumini pentru a afisa stadiul de incarcare al acumulatorului*
- *protectie impotriva supraincarcarii si supraincalzirii, crescand durata de viata a acumulatorului*



12.576	2.0Ah	131.15
12.578	4.0-5.0Ah	196.72

12.916 NOU

Incarcator seria L20 18 V, 2.0 - 6.0 Ah

AVATAJELE PRODUSULUI

- *incarcator compatibil cu toata gama STAYER L20.*
- *ventilator integrat.*
- *reglare amperaj*



12.916	2.0 - 6.0 Ah	262.30

12.859 NOU

Incarcator seria L20 18 V, 2.0 - 8.0 Ah

AVATAJELE PRODUSULUI

- *incarcator pentru acumulatori compatibil cu SERIA STAYER L20.*
- *potrivit pentru acumulatori de la 2,0 la 8,0 A*
- *incarcaorului isi adapteaza curentul la amperajul bateriei conectate.*
- *afisaj digital pentru controlul maxim al nivelului bateriei.*
- *protectie impotriva supraincarcarii si supraincalzirii, crescand durata de viata a bateriei*



12.859	2.0 - 8.0 Ah	672.13

12.933 NOU

Acumulator pentru IWB 1600 18 V, 7,5 Ah

AVATAJELE PRODUSULUI

- *acumulatori cu litiu pentru IWB 1600*
- *NU ESTE COMPATIBIL CU SERIA STAYER L20*
- *protejat impotriva: supraincarcare, descarcare, supraincalzire si comenzi rapide*



12.933	7.5Ah	901.64

12.932 NOU

Incarcarcator pentru IWB 1600 18 V, 7,5 Ah

AVATAJELE PRODUSULUI

- *oncarcator pentru IWB 1600*
- *NU ESTE COMPATIBIL CU SERIA STAYER L20*



12.932	7.5Ah	196.72

384 B

Masina de insurubat gips carton 600 W

AVANTAJELE PRODUSULUI

- *reversibila*
- *sistem de reglare electronic*
- *surubelnita electronica 384 B cu reglare de adancime*
- *posibilitatea de reglare a adancimii din exterior mentinerea momentului stabil si fac ca aceasta masina electrica sa fie usor de folosit*
- *aceasta surubelnita este special proiectata pentru lucrul cu suruburi autofiletante si este ideala pentru rigips si placaje*
- *aplicatiile la care se foloseste surubelnita electrica sunt in special cele care presupun insurubarea in suprafete fragile*



STAYER

ROTATION REVERSIBLE | SCREWDRIVER | ELECTRONIC SPEED CONTROLLER

	Putere motor	
1.6008	600 W	639.34

Putere	600 W
Turatii in gol: treapta1 / treapta 2	0-4.500 rpm
Capacitate insurubare autofiletante	Φ 6,3 mm
Capacitate insurubare metrice	M Φ8
Prindere hexagonala	1/4" UNF
Greutate	1,8 kg

TM 750 AK

Masina de gaurit cu percutie 750 W

AVANTAJELE PRODUSULUI

- *reversibila*
- *control electronic al turatiei*
- *percutie*

DOTAREA STANDARD

- *mandrina rapida 13 mm*
- *maner lateral cu limitator adancime*
- *cutie plastic pentru transport*



STAYER

ROTATION REVERSIBLE | DRILL NO IMPACTS | DRILL WITH IMPACTS | ELECTRONIC SPEED CONTROLLER | CARRY CASE PE-HD INCLUDED | SPEEDS 2 MECHANICAL

	Putere motor	
1.5449	750 W	540.98

Putere motor	750 W
Turatii in gol	0-3000 rpm
Percutii	0-45000 bpm
Capacitate mandrina	1,5-13 mm
Prindere mandrina	1/2"x20 UNF
Capacitate gaurire lemn	Φ 28 mm
Capacitate gaurire otel	Φ 13 mm
Capacitate gaurire zidarie	Φ 13 mm
Greutate	2,3 kg

TM 950 AK NOU

Masina de gaurit cu percutie 950 W

2 trepte mecanice

AVANTAJELE PRODUSULUI

- *reversibila*
- *control electronic al turatiei*
- *percutie*
- *maner ergonomic*
- *cutie de viteze din aluminiu*

DOTAREA STANDARD

- *mandrina rapida 13 mm*
- *maner lateral cu limitator adancime*
- *cutie plastic pentru transport*



STAYER

COMPONENTS Al MADE OF ALUMINUM | ROTATION REVERSIBLE | DRILL NO IMPACTS | DRILL WITH IMPACTS | ELECTRONIC SPEED CONTROLLER | CARRY CASE HD -P E INCLUDED | SPEEDS 2 MECHANICAL

	Putere motor	
1.1516	950 W	901.64

Putere motor	950 W
Turatii in gol	0 - 10000/ 0 - 3000 rpm
Percutii	0 - 16000/0 - 44800 bpm
Capacitate mandrina	1,5-13 mm
Prindere mandrina	1/2"x20 UNF
Capacitate gaurire lemn	Φ 30 mm
Capacitate gaurire otel	Φ 13 mm
Capacitate gaurire zidarie	Φ 16 mm
Greutate	3,0 kg

TM 1100

Masina de gaurit cu percutie 1100 W

AVANTAJELE PRODUSULUI

- *2 viteze mecanice, cutie de viteze din aluminiu.*
- *reversibila*
- *percutie.*
- *controlul electronic al vitezei.*
- *maner ergonomic*

DOTAREA STANDARD

- *mandrina cu cheie 16 mm*
- *maner lateral cu limitator adancime*



STAYER

COMPONENTS Al MADE OF ALUMINUM | ROTATION REVERSIBLE | DRILL NO IMPACTS | DRILL WITH IMPACTS | ELECTRONIC SPEED CONTROLLER | CARRY CASE PE-HD INCLUDED | SPEEDS 2 MECHANICAL

	Putere motor	
1.1735	1100 W	934.43

Putere motor	1100 W
Turatii in gol	0-900 / 0-2500 rpm
Percutii	0-14400 / 0-40000 bpm
Capacitate mandrina	2,5-16 mm
Prindere mandrina	5/8"x16 UNF
Capacitate gaurire lemn	Φ 32 mm
Capacitate gaurire otel	Φ 16 mm
Capacitate gaurire zidarie	Φ 16 mm
Greutate	3,5 kg

HD 26 BK

Ciocan rotopercutor SDS PLUS 800 W 2,8 J

AVANTAJELE PRODUSULUI

- *3 functii:*
  - *rotatie*
  - *rotatie / percutie*
  - *daltuire*
- *cuplaj SDS-Plus*
- *potrivit pentru gaurire in beton si piatra 4-26 mm (optim 4-12 mm)*
- *reversibil*
- *control electronic al turatiei*
- *ambreiaj de siguranta*

DOTAREA STANDARD

- *colector praf*
- *maner lateral cu limitator de adancime*
- *cutie din plastic pentru transport*



STAYER

INSERTION SDS - PLUS | CARRY CASE PE-HD INCLUDED | SOFT START | ROTATION REVERSIBLE | DRILL NO IMPACTS | DRILL WITH IMPACTS | CHISELLER ONLY IMPACTS | VARIO-LOCK CHISEL POSITION | ELECTRONIC SPEED CONTROLLER

	Putere motor	
1.1418	800 W	672.13

Putere motor	800 W
Turatii in gol	0-1200 rpm
Percutii	0-5300 bpm
Energie de impact	2,8 J
Port-scula	SDS-Plus
Capacitate gaurire lemn	Φ 30 mm
Capacitate gaurire otel	Φ 13 mm
Capacitate gaurire ciment si zidarie	Φ 26 mm
Capacitate gaurire cu carota	Φ 60 mm
Greutate	2,8 kg

HD 27 CK

Ciocan rotopercutor SDS PLUS 800 W 2,8 J

AVANTAJELE PRODUSULUI

- *3 functii:*
  - *rotatie*
  - *rotatie / percutie*
  - *daltuire*
- *potrivit pentru gaurire in beton si piatra 4-28 mm (optim 4-12 mm)*
- *reversibil si electronic*
- *Vario-Lock - adaptare pozitie dalta*
- *ambreiaj de siguranta*

DOTAREA STANDARD

- *maner lateral cu limitator de adancime*
- *cutie din plastic pentru transport*



STAYER

INSERTION SDS - PLUS | CARRY CASE PE-HD INCLUDED | ROTATION REVERSIBLE | DRILL NO IMPACTS | DRILL WITH IMPACTS | CHISELLER ONLY IMPACTS | VARIO-LOCK CHISEL POSITION | ELECTRONIC SPEED CONTROLLER

	Putere motor	
1.1967	800 W	704.92

Putere motor	800 W
Turatii in gol	0-1300 rpm
Percutii	0-5500 bpm
Energie de impact	2,8 J
Port-scula	SDS-Plus
Capacitate gaurire lemn	Φ 30 mm
Capacitate gaurire otel	Φ 13 mm
Capacitate gaurire ciment si zidarie	Φ 26 mm
Capacitate gaurire cu carota	pana la Φ 68 mm
Greutate	2,8 kg

HD 3 CK

NOU

Ciocan rotopercutor SDS PLUS 1050W 5,0J

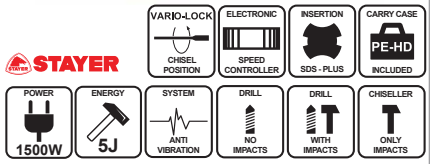
AVANTAJELE PRODUSULUI

- *4 functii*
  - *gaurire: pentru metal, lemn si plastic*
  - *gaurire cu percutie pentru materiale de constructii*
  - *daltuire pentru materiale de constructii*
  - *vario - blocare pentru reglarea pozitiei daltii*
- *regulator electronic de viteza*
- *TVA: sistem de absorbtie a vibratiilor*

DOTAREA STANDARD

- *maner lateral cu limitator de adancime*
- *cutie din plastic pentru transportv*





1.2314	Putere motor 1050 W	934.43

Putere motor	1050 W
Turatii in gol	0-1100 rpm
Percutii	0-4600 bpm
Energie de impact	5 J
Port-scula	SDS-Plus
Capacitate gaurire lemn	Φ 32 mm
Capacitate gaurire otel	Φ 13 mm
Capacitate gaurire ciment si zidarie	Φ 26 mm
Capacitate gaurire cu carota	pana la Φ 60 mm
Greutate	3,5 kg

HD 5 CK

Ciocan rotopercutor SDS PLUS 1500 W 5,0 J

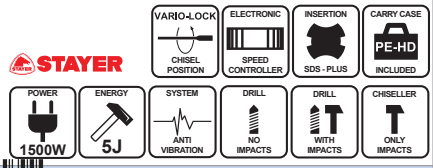
AVANTAJELE PRODUSULUI

- *4 functii*
  - *gaurire: pentru metal, lemn si plastic*
  - *gaurire cu percutie pentru materiale de constructii*
  - *daltuire pentru materiale de constructii*
  - *vario - blocare pentru reglarea pozitiei daltii*
- *regulator electronic de viteza*
- *TVA: sistem de absorbtie a vibratiilor*

DOTAREA STANDARD

- *maner lateral cu limitator de adancime*
- *cutie din plastic pentru transportv*





1.1562	Putere motor 1500 W	983.61

Putere motor	1500 W
Turatii in gol	0-850 rpm
Percutii	0-4300 bpm
Energie de impact	5 J
Port-scula	SDS-Plus
Capacitate gaurire lemn	Φ 40 mm
Capacitate gaurire otel	Φ 13 mm
Capacitate gaurire ciment si zidarie	Φ 30 mm
Capacitate gaurire cu carota	pana la Φ 70 mm
Greutate	5,0 kg

HD XT 6JK

NOU

Ciocan rotopercutor SDS PLUS 1500 W 6,0 J

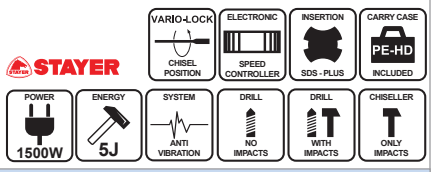
AVANTAJELE PRODUSULUI

- *3 functii:*
  - *rotatie*
  - *rotatie / percutie*
  - *daltuire*
- *potrivit pentru gaurire in beton si piatra 8-32 mm (optim 10-20 mm)*
- *reversibil si electronic*
- *Vario-Lock - adaptare pozitie dalta*
- *ambreiaj de siguranta*

DOTAREA STANDARD

- *maner lateral cu limitator de adancime*
- *cutie din plastic pentru transport*





1.3088	Putere motor 1500 W	1049.18

Putere motor	1500 W
Turatii in gol	260 - 1050 rpm
Percutii	1380 - 5570 bpm
Energie de impact	6 J
Port-scula	SDS-Plus
Capacitate gaurire lemn	Φ 40 mm
Capacitate gaurire otel	Φ 13 mm
Capacitate gaurire ciment si zidarie	Φ 32 mm
Capacitate gaurire cu carota	pana la Φ 75 mm
Greutate	5,0 kg

HD 50 BK

Ciocan rotopercutor SDS MAX 1200 W 20,0 J

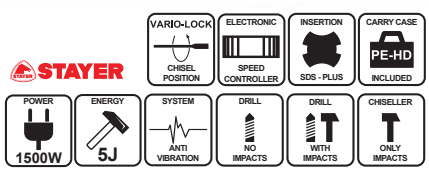
AVANTAJELE PRODUSULUI

- *2 functii:*
  - *rotatie / percutie*
  - *daltuire*
- *comutator electronic cu 6 pozitii*
- *VAT - tehologie de absorbtie a vibratiilor*
- *ambreiaj de siguranta*
- *pornire lina*

DOTAREA STANDARD

- *maner lateral cu limitator de adancime*
- *cutie din plastic pentru transport*





1.1741	Putere motor 1200 W	2131.15

Putere motor	1200 W
Turatii in gol	250-500 rpm
Percutii	2900 bpm
Energie de impact	20 J
Port-scula	SDS-MAX
Capacitate gaurire ciment si zidarie	Φ 45 mm
Capacitate gaurire cu carota	Φ 120 mm
Lungime dalta	260-600 mm
Greutate	8,0 kg

MD 10 K

NOU

Ciocan rotopercutor SDS MAX 1500 W 25,0 J

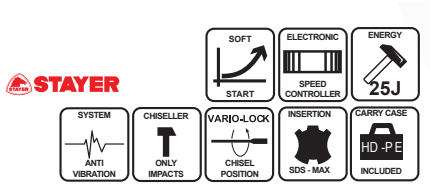
AVANTAJELE PRODUSULUI

- *2 functii:*
  - *rotatie / percutie*
  - *daltuire*
- *comutator electronic cu 6 pozitii*
- *VAT - tehologie de absorbtie a vibratiilor*
- *ambreiaj de siguranta*
- *pornire lina*

DOTAREA STANDARD

- *maner lateral cu limitator de adancime*
- *cutie din plastic pentru transport*





1.1364	Putere motor 1500 W	2950.82

Putere motor	1500 W
Percutii	1000 - 1900 ipm
Energie de impact	6 - 25 J
Port-scula	SDS-MAX
Greutate	10 kg

MD 15 BK

Ciocan demolator SDS MAX 1750 W 45 J

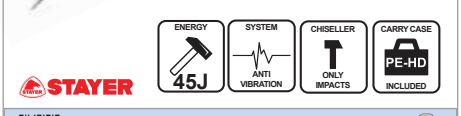
AVANTAJELE PRODUSULUI

- *sistem electro-pneumatic pentru inalte performante de demolare*
- *compact si aerodinamic pentru acces rapid in spatii reduse*
- *VAT - tehologie de absorbtie a vibratiilor*
- *maner lateral pentru confort crescut in timpul aplicatiilor de lunga durata*

DOTAREA STANDARD

- *dalta ascutita*
- *dalta lata*
- *troller din plastic pentru transport*





1.2377	Putere motor 1750 W	3114.75

Putere motor	1750 W
Percutii	1900 bpm
Energie de impact	45 J
Port-scula	HEX 30 mm
Greutate	15,0 kg

M 1200 C

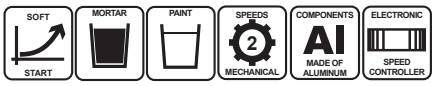
Amestecator 1200 W

AVANTAJELE PRODUSULUI
- *motor puternic S1 pentru utilizare continua*
- *6 trepte de control electronic al cuplului*
- *maner ergonomic*
- *corp din aluminiu, robust si usor*
- *2 trepte de viteza pentru cuplu maxim*

DOTAREA STANDARD
- *1 paleta H2 Ø 160 mm*
- *1 paleta H3 Ø 140 mm*
- *cutie transport*



STAYER



	Putere motor	
1.1474	1200 W	901.64
Putere motor	1200 W	
Turatie in gol	200-400 / 350-700 rpm	
Filet	M 14	
Paleta	Φ 120 mm	
Moment cuplu	20,5 Nm	
Greutate	4,8 kg	

H2 NOU

Paleta H2 pentru M 1100 C / M 1200 C / M 1600

- *pentru vopsea, fluide, materiale vascoase*
- *amesteca de jos in sus*



STAYER

Ø	L	
12.231	120 mm	600 mm	81.97
12.232	140 mm	600 mm	108.20
12.485	140 mm (detasabil)	600 mm	108.20
12.527	160 mm	600 mm	113.11

H3

Paleta H3 pentru M 1100 C / M 1200 C / M 1600

- *pentru materiale dense cu vascozitate scazuta*
- *amesteca de jos in sus si penetreaza materialul*



STAYER

Ø	L		
12.887	120 mm	600 mm	NOU	98.36
12.233	140 mm	600 mm		113.11
12.234	160 mm	600 mm	NOU	127.87

H4 NOU

Paleta H3 pentru M 1100 C / M 1200 C / M 1600

- *pentru materiale de inalta densitate*
- *reduce incalzirea materialului*



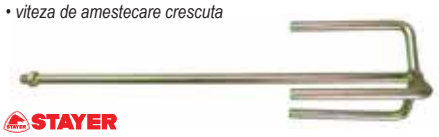
STAYER

Ø	L	
12.235	114 mm	600 mm	103.28

T3

Paleta H3 pentru M 1100 C / M 1200 C / M 1600

- *paleta de centrifugare combinata*
- *viteza de amestecare crescuta*



STAYER

Ø	L	
12.444	170 mm	600 mm	98.36

SU 650 EDK NOU

Suflanta aer cald 50-650ºC

AVANTAJELE PRODUSULUI
- *ideala pentru uscare, inlaturare lac, indoire plastic, indepartarea hartiei adezive*
- *2 viteze*
- *electronica*
- *temperatura variabila*
- *debit variabil de aer*
- *display digital LED*

DOTAREA STANDARD
- *set complet de accesorii*
- *cutie din plastic pentru transport*

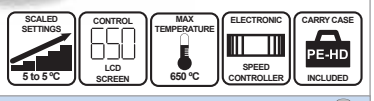








STAYER



	Putere motor	
1.834	2000 W	639.34
Putere motor	2000 W	
Debit aer	250-500 l/min	
Temperatura	50-650ºC	
Greutate	0,9 kg	

DX 1800 B NOU

Suflanta aer cald 350 - 600ºC

AVANTAJELE PRODUSULUI
- *pistol cu aer cald cu rezistenta ceramica*
- *2 moduri de lucru presetate flux de aer și temperatura:*
  1- 350ºC cu 300 l/min
  2- 600ºC cu 500 l/min
- *usuca si dezlipeste lacul. Pliaza materiale plastice. Separa hartiile adezive.*
- *cap ranforsat impotriva temperaturilor ridicate*

DOTAREA STANDARD
- *set complet de accesorii*



STAYER

	Putere motor	
1.2951	1800 W	213.11
Putere motor	1800 W	
Debit aer	300 - 500 l/min	
Temperatura	350 - 600ºC	
Greutate	0,9 kg	

LP 700 E NOU

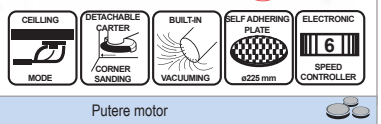
Slefuitor pentru pereti si tavan Ø225 mm, 710 W

AVANTAJELE PRODUSULUI
- *sistem de aspirare incorporat.*
- *gata pentru cuplare cu un aspirator extern.*
- *2 presetari: tavan si perete.*
- *carter detasabil pentru slefuirea marginilor si colturilor.*
- *regulator electronic de viteza pe 6 nivele*

DOTAREA STANDARD
- *5 foi abrazive de gr. P60, P80, P100, P180, P240*
- *furtun 4 m / cuplaj aspirare*



STAYER



	Putere motor	
1.1450	710 W	1475.41
Putere motor	710 W	
Turatii in gol	800 - 1700 rpm	
Diametru foaie abraziva	Φ 225 mm	
Inaltime de lucru	110-170 cm	
Unghi de pivotare cap	90º	
Racord exhaustare	Φ 45 mm	
Greutate	3,5 kg	

LP 710 E

Slefuitor pentru pereti si tavan Ø225 mm, 710 W

AVANTAJELE PRODUSULUI
- *schimbare rapida a hartie de slefuit*
- *controler electronic cu 6 trepte*
- *potrivit pentru a fi conectat la aspirator*
- *piesa de carter detasabila pentru a ajunge la colturi si margini*
- *adaptor de conexiune ø37,5 mm*
- *transmisie imbunatatita pentru a creste durata de viata a instrumentului*
- *cap basculant pentru a evita zgarierea peretelui*
- *telescopic, extensibil pana la 1,70 m*

DOTAREA STANDARD
- *6 foi abrazive de gr. 80-100-120-150-180-240*
- *geanta textila de transport si depozitare*



STAYER

CEILING MODE | DETACHABLE CARTER CORNER SANDING | BUILT-IN VACUUMING | SELF ADHERING PLATE ø225 mm | ELECTRONIC 6 SPEED CONTROLLER

	Putere motor	
1.2140	710 W	**1393.44**

Putere motor	710 W
Turatii in gol	1000-2100 rpm
Diametru foaie abraziva	Φ 225 mm
Inaltime de lucru	110-170 cm
Unghi de pivotare cap	0-90°
Racord exhaustare	Φ 37,5 mm
Greutate	4,4 kg

LP 710 DT

Slefuitor pentru pereti si tavan Ø225 mm, 710 W

AVANTAJELE PRODUSULUI
- *slefuitor de perete cu motor etansat anti praf.*
- *transmisie directa*
- *cap rabatabil pentru a evita zgarierea peretelui*
- *sistem de aspirare încorporat.*
- *cuplaj pentru un aspirator extern.*
- *regulator electronic de viteza pe 6 nivele*

DOTAREA STANDARD
- *6 foi abrazive de gr. 80-100-120-150-180-240*
- *furtun 3,5 m / cuplaj aspirare*



STAYER

DIRECT TRANSMISSION | BUILT-IN VACUUMING | SELF ADHERING PLATE ø225 mm | ELECTRONIC 6 SPEED CONTROLLER

	Putere motor	
1.2420	710 W	**1557.38**

Putere motor	710 W
Turatii in gol	1000-2100 rpm
Diametru foaie abraziva	Φ 225 mm
Inaltime de lucru	110-170 cm
Unghi de pivotare cap	90°
Racord exhaustare	Φ 37,5 mm
Greutate	4,4 kg

LP 750 AVS NOU

Slefuitor pereti Ø225 mm, 750 W

AVANTAJELE PRODUSULUI
- *transmisie directa*
- *sistem de aspiratie integrat, care permite un vid pe pereti, prinzand si facilitand miscarea placii.*
- *cap rabatabil pentru a evita urmele pe pereti*
- *pliabil pentru un ușor transport și stocare.*
- *carter detasabil pentru slefuirea marginilor și colțurilor.*
- *lumina LED 360º.*
- *greutate usoara 3,5 kg.*
- *structura din aluminiu ranforsat.*



COMPONENTS Al MADE OF ALUMINUM | REINFORCED TOWLINE

STAYER

LIGHTWEIGHT | BUILT-IN VACUUMING | SELF ADHERING PLATE ø225 mm | ELECTRONIC 7 SPEED CONTROLLER

	Putere motor	Ambalare	
1.3314	750 W	1	**1622.95**

Putere motor	750 W
Turatii in gol	1000 - 1850 rpm
Inaltime de lucru	1350 - 1800 mm
Dimensiune placa	225 mm
Racord aspirator	38-47 mm
Unghi de inclinare cap	±120°
Furtun	4 m
Greutate	3,5 kg

HP 1010 NOU

Slefuitor pereti Ø225 mm, 1010 W

AVANTAJELE PRODUSULUI
- *inaltimea discului reglabila*
- *potrivit pentru a fi conectat la un aspirator extern*
- *piesa de carter detasabila pentru a ajunge la colturi si margini*
- *controler cu 6 viteze*
- *indeparteaza vopseaua, ideala pentru slefuirea peretilor si tavanelor*

DOTAREA STANDARD
- *6 hartii de slefuit ø225 mm (Gr. 80.100, 120, 150, 180, 240)*
- *tub de extractie 3 m*
- *adaptor*



STAYER

DETACHABLE CARTER CORNER SANDING | BUILT-IN VACUUMING | SELF ADHERING PLATE ø180 mm | ELECTRONIC 6 SPEED CONTROLLER

	Putere motor	Ambalare	
1.2129	1010 W	1	**983.61**

Putere motor	1010 W
Turatii in gol	1000-1950 rpm
Dimensiune placa	225 mm
Greutate	2,8 kg

HP 1200 NOU

Slefuitor pereti Ø225 mm, 1200 W

AVANTAJELE PRODUSULUI
- *cu lumina led pentru o mai buna vizibilitate în zona de lucru.*
- *controlul vitezei variabile 6 pozitii.*
- *sistem separat de absorbsie a prafului, care protejeaza motorul de pătrunderea prafului.*
- *carter detasabil pentru slefuirea marginilor si colturilor.*
- *maner mare.*
- *sac de praf cu centura de transport.*
- *lumina LED 360°.*

DOTAREA STANDARD
- *6 hartii de slefuit ø225 mm (Gr. 80.100, 120, 150, 180, 240)*
- *tub de extractie 3 m*
- *adaptor*



STAYER

DETACHABLE CARTER CORNER SANDING | BUILT-IN VACUUMING | SELF ADHERING PLATE ø180 mm | ELECTRONIC 6 SPEED CONTROLLER

	Putere motor	Ambalare	
1.3316	1200 W	1	**1196.72**

Putere motor	1200 W
Turatii in gol	2600 rpm
Dimensiune placa	225 mm
Greutate	2,5 kg

LP 700 E - Accesorii

Set 5 panze abrazive pentru slefuitor pereti Ø225 mm HP1010E / LP700E / LP710E / LP710DT / LP1000





STAYER

	Dimensiune	Granulatie	Ambalare	
220.163	Φ 225 mm	gr. 24/60/100/240	5	**34.43**
12.470	Φ 225 mm	gr. 24	5	**73.77**
12.467	Φ 225 mm	gr. 60	5	**34.43**
12.468	Φ 225 mm	gr. 100	5	**34.43**
12.469	Φ 225 mm	gr. 220	5	**34.43**

SAB 800 F

NOU

Polizor unghiular Ø115 mm, 800 W

AVANTAJELE PRODUSULUI

- *polizor unghiular usor, cu design compact si echilibrat.*
- *motor puternic S1 de serviciu constant.*
- *sisteme anti-abraziune: dubla ecranare, polimer de protectie, cabluri speciale si bariera colectoare.*
- *asamblat sub presiune cu 2 suruburi de siguranta*
- *sisteme de racire: rotor alungit, ventilator de racire si 6 grile pe cap.*

DOTAREA STANDARD

- *aparatoare de protectie*
- *maner lateral*
- *flansa si piulita de prindere*
- *cheie speciala pentru schimbat disc*
- *discul abraziv nu este inclus*



ENHACED BEARINGS | DISC ø115 mm

STAYER

	Putere motor	
1.3776	800 W	409.84
	Putere motor	800 W
	Turatii in gol	11000 rpm
	Diametru disc abraziv	Φ 115 mm
	Filet	M 14
	Greutate	1,7 kg

SAB 801 CR

NOU

Polizor unghiular Ø125 mm, 800 W

AVANTAJELE PRODUSULUI

- *polizor unghiular usor, cu design compact si echilibrat.*
- *motor puternic S1 de serviciu constant.*
- *sisteme anti-abraziune: dubla ecranare, polimer de protectie, cabluri speciale si bariera colectoare.*
- *asamblat sub presiune cu 2 suruburi de siguranta*
- *sisteme de racire: rotor alungit, ventilator de racire si 6 grile pe cap.*

DOTAREA STANDARD

- *aparatoare de protectie*
- *maner lateral*
- *flansa si piulita de prindere*
- *cheie speciala pentru schimbat disc*
- *discul abraziv nu este inclus*



ENHACED BEARINGS | DISC ø125 mm

STAYER

	Putere motor	
1.2360	800 W	442.62
	Putere motor	800 W
	Turatii in gol	11000 rpm
	Diametru disc abraziv	Φ 125 mm
	Filet	M 14
	Greutate	1,7 kg

SAB 1011 B

Polizor unghiular Ø125 mm, 1000 W

AVANTAJELE PRODUSULUI

- *polizor unghiular usor, cu design compact si echilibrat.*
- *motor puternic S1 de serviciu constant.*
- *sisteme anti-abraziune: dubla ecranare, polimer de protectie, cabluri speciale si bariera colectoare.*
- *asamblat sub presiune cu 2 suruburi de siguranta*
- *sisteme de racire: rotor alungit, ventilator de racire si 6 grile pe cap.*

DOTAREA STANDARD

- *aparatoare de protectie*
- *maner lateral*
- *flansa si piulita de prindere*
- *cheie speciala pentru schimbat disc*
- *discul abraziv nu este inclus*



DISC ø125 mm

STAYER

	Putere motor	
1.1640	1000 W	491.80
	Putere motor	1000 W
	Turatii in gol	10500 rpm
	Diametru disc abraziv	Φ 125 mm
	Filet	M 14
	Greutate	1,8 kg

SAB 1201 IND

Minipolizor unghiular industrial Ø125 mm, 1200 W

AVANTAJELE PRODUSULUI

- *mini polizor unghiular pentru uz industrial.*
- *protectii intarite.*
- *fara placs electronica pentru supratensiuni.*
- *inlocuirea periei de carbune externa fara dezasamblarea sculei.*
- *gata pentru utilizare industriala in conditii nefavorabile*

DOTAREA STANDARD

- *aparatoare de protectie*
- *maner lateral*
- *flansa si piulita de prindere*
- *cheie speciala pentru schimbat disc*
- *discul abraziv nu este inclus*



UTILIZARE INDUSTRIALA

ENHACED BEARINGS | DISC ø125 mm

STAYER

	Putere motor	
1.2477	1200 W	590.16
	Putere motor	1200 W
	Turatii in gol	11000 rpm
	Diametru disc abraziv	Φ 125 mm
	Filet	M 14
	Greutate	1,8 kg

SAB 1401 CE IND

NOU

Minipolizor unghiular industrial Ø125 mm, 1400 W

AVANTAJELE PRODUSULUI

- *regulator electronic al vitezei in 6 trepte*
- *mini polizor unghiular pentru uz industrial.*
- *protectii intarite.*
- *fara placs electronica pentru supratensiuni.*
- *inlocuirea periei de carbune externa fara dezasamblarea sculei.*
- *gata pentru utilizare industriala in conditii nefavorabile*

DOTAREA STANDARD

- *aparatoare de protectie*
- *maner lateral*
- *flansa si piulita de prindere*
- *cheie speciala pentru schimbat disc*
- *discul abraziv nu este inclus*



UTILIZARE INDUSTRIALA

ENHACED BEARINGS | DISC ø125 mm

STAYER

	Putere motor	
1.2793	1400 W	754.10
	Putere motor	1400 W
	Turatii in gol	2800-10000 rpm
	Diametru disc abraziv	Φ 125 mm
	Filet	M 14
	Greutate	2,2 kg

SAB 1701CS IND

NOU

Minipolizor unghiular industrial Ø125 mm, 1700 W

AVANTAJELE PRODUSULUI

- *mini polizor unghiular pentru uz industrial.*
- *protectii intarite.*
- *fara placs electronica pentru supratensiuni.*
- *inlocuirea periei de carbune externa fara dezasamblarea sculei.*
- *gata pentru utilizare industriala in conditii nefavorabile*

DOTAREA STANDARD

- *aparatoare de protectie*
- *maner lateral*
- *flansa si piulita de prindere*
- *cheie speciala pentru schimbat disc*
- *discul abraziv nu este inclus*



UTILIZARE INDUSTRIALA

ENHACED BEARINGS | DISC ø125 mm

STAYER

	Putere motor	
1.3138	1700 W	803.28
	Putere motor	1700 W
	Turatii in gol	2800-10000 rpm
	Diametru disc abraziv	Φ 125 mm
	Filet	M 14
	Greutate	3,0 kg

SD 27 CE

Polizor drept 750 W

AVANTAJELE PRODUSULUI

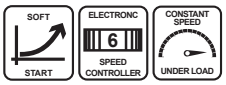
- *polizor drept de mare putere (750W) cu regulator de viteza pentru puncte de sudura si bavuri cu ax ø6 / ø6,3 / ø8 mm.*
- *Soft Start: unealta atinge puterea maxima la 2 secunde dupa ce a fost pornita.*
- *regulator electronic de turatie cu 6 niveluri de la 10000 pana la 30000 rpm*
- *tacometru incorporat pentru a mentine puterea constanta sub sarcina*
- *motor special conceput pentru a rezista la praf.*
- *sistem electronic de limitare a curentului de intrare la comutatorul sculei pornit, pastrand viteza constanta chiar si la turatii mici.*
- *intrerupator de siguranta impotriva activarilor accidentale.*
- *special conceput pentru slefuirea liniilor de sudura, lustruirea si luminarea tuturor tipurilor de materiale, de la lemn la vopsea sau metal. Performanta excelenta la indepartarea bavurilor*
- *potrivit special pentru bavuri montate pe corindon, roti cu clapete, perii din metal dur si perii de sarma*

DOTAREA STANDARD

- *1 bucsa elastica de fixare 6 mm*







STAYER

	Putere motor	
1.1705	750 W	**655.74**

Putere motor	650 W
Turatii in gol	10000-30000 rpm
Diametru maxim disc	Φ 25 mm
Diametru bucsa	Φ 6 / 6.3 / 8 mm
Greutate	1,7 kg

AGR 24-23 CAL

Polizor unghiular Ø230 mm, 2400 W

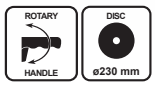
AVANTAJELE PRODUSULUI

- *motor puternic S1 de serviciu constant 2400W.*
- *maner rotativ spate*
- *comutator cu palete cu declansator de blocare de siguranta si sistem NVR*
- *adecvat special pentru lucrari de atelier, cariera si constructii.*
- *inlocuirea periei de carbune externa fara dezasamblarea sculei.*
- *pornire soft*

DOTAREA STANDARD

- *aparatoare de protectie*
- *maner lateral*
- *flansa si piulita de prindere*
- *cheie speciala pentru schimbat disc*
- *discul abraziv nu este inclus*





STAYER

	Putere motor	
1.1816	2400 W	**1131.15**

Putere motor	2400 W
Turatii in gol	6500 rpm
Diametru disc abraziv	Φ 230 mm
Filet	M 14
Greutate	4,4 kg

SAB 26-23 AL

Polizor unghiular Ø230 mm, 2600 W

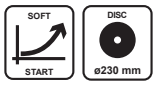
AVANTAJELE PRODUSULUI

- *potrivit special pentru ateliere.*
- *inlocuirea periei de cărbune externă fără dezasamblarea sculei.*
- *pornire soft*
- *comutator cu palete cu declansator de blocare de siguranta*

DOTAREA STANDARD

- *aparatoare de protectie*
- *maner lateral*
- *flansa si piulita de prindere*
- *cheie speciala pentru schimbat disc*
- *discul abraziv nu este inclus*





STAYER

	Putere motor	
1.1689	2600 W	**1163.93**

Putere motor	2600 W
Turatii in gol	6500 rpm
Diametru disc abraziv	Φ 230 mm
Filet	M 14
Greutate	4,4 kg

CCM 350

NOU

Masina de taiat beton Ø350 mm, 3200 W

AVANTAJELE PRODUSULUI

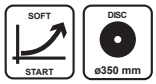
- *potrivit in special pentru lucrari de constructii care necesita taierea pieselor voluminoase sau adanci.*
- *motor puternic fara perii pentru o eficienta sporita, reducand in mod semnificativ acumularea de caldura si marind considerabil durata de viață a motorului si a bateriei.*
- *pornire soft*
- *racire.*
- *comutator de protectie PRCD*

DOTAREA STANDARD

- *disc Ø300mm*







STAYER

	Putere motor	
1.3352	3200 W	**3606.56**

Putere motor	3200 W
Turatii in gol	2600 rpm
Diametru disc	Φ 300-350 mm
Adancime matima de taiere	300 (122) / 345 (147) mm
Latime de taiere	25.4 mm
Greutate	11.0 kg

BA 115

Stand pentru polizoare unghiulare Ø115 mm

- *pentru polizoare unghiualre Ø115 mm*



STAYER

	Dimensiune	
12.300	115 mm	**245.90**

12.465

Sanie de ghidare cu racord de aspirare pentru polizoare unghiulare Ø125 mm

AVANTAJELE PRODUSULUI

- *ideal pentru aplicatii in constructii*
- *potrivit pentru SAB 780/781/900/901R*
- *prindere Ø46-48 mm*



STAYER

	Dimensiune	
12.465	125 mm	**196.72**

Accesorii polizoare unghiulare

Panza circulara neplacata pentru lemn

- *utilizare pe polizoare unghialre*





STAYER

	Dimensiune	Nr. dinti	
2.196	Φ 115x22.2 mm	Z4	**34.43**
2.197	Φ 125x22.2 mm	Z4	**39.34**
2.198	Φ 230x22.2 mm	Z4	**93.44**

CD 125

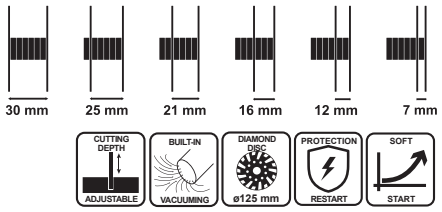
Masina pentru caneluri Ø125 mm, 1500 W

AVANTAJELE PRODUSULUI
- *usoara si precisa*
- *racord exhaustare*
- *schimbarea periilor se realizeaza fara demontarea masinii*

DOTAREA STANDARD
- *2 discuri diamantate Φ 125 mm*
- *cheie service*
- *maner lateral*
- *cutie pentru transport*



STAYER



	Putere motor	
1.1254	1500 W	1639.34
	Putere motor	1500 W
	Turatii in gol	8500 rpm
	Diametru disc	Φ 125 mm
	Latime de taiere	8-30 mm
	Adancime de taiere	5-26 mm
	Greutate	5,0 kg



CD 150 B2 K (2 Diamond discs) NOU

Masina de taiat caneluri Ø150 mm, 2400 W

AVANTAJELE PRODUSULUI
- *cuplare aspirator*
- *maner auxiliar.*
- *role auxiliare.*
- *pana la 3 discuri - faciliteaza golirea canelurii*
- *2 saibe aditionale 14,5 mm*
- *latimi de taiere diferite 3 saibe de 3mm, 10mm şi 18mm.*

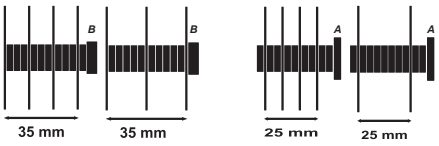
DISCURI DIAMANTATE RECOMANDATE
- *Turbo Profesional*
- *Laser Profesional*

DOTAREA STANDARD
- *2 discuri diamantate incluse (Ø 150 mm)*
- *2 saibe de 14,5 mm incluse*
- *cutie de transport PE-HD*



STAYER

Pana la 3 discuri - Faciliteaza golirea canalului
2 saibe suplimentare 14.5 mm





	Putere motor	
1.2798	2400 W	2049.18
	Putere motor	2400 W
	Turatii in gol	8000 rpm
	Disc diamantat	Φ 150 mm
	Latime taiere	7-35 mm
	Adancime taiere	8-43 mm
	Greutate	6,0 kg

CD 150 B4 K (4 Diamond discs) NOU

Masina de taiat caneluri Ø150 mm, 2400 W

AVANTAJELE PRODUSULUI
- *cuplare aspirator*
- *maner auxiliar.*
- *role auxiliare.*
- *pana la 3 discuri - faciliteaza golirea canelurii*
- *2 saibe aditionale 14,5 mm*
- *latimi de taiere diferite 3 saibe de 3mm, 10mm şi 18mm.*

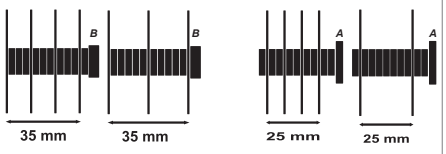
DISCURI DIAMANTATE RECOMANDATE
- *Turbo Profesional*
- *Laser Profesional*

DOTAREA STANDARD
- *2 discuri diamantate incluse (Ø 150 mm)*
- *2 saibe de 14,5 mm incluse*
- *cutie de transport PE-HD*



STAYER

Pana la 3 discuri - Faciliteaza golirea canalului
2 saibe suplimentare 14.5 mm





	Putere motor	
1.2796	2400 W	2213.11
	Putere motor	2400 W
	Turatii in gol	8000 rpm
	Disc diamantat	Φ 150 mm
	Latime taiere	7-35 mm
	Adancime taiere	8-43 mm
	Greutate	6,0 kg

CD 180 K

Masina pentru caneluri Ø180 mm, 1800 W

AVANTAJELE PRODUSULUI
- *posibilitatea conectarii aspiratorului*
- *constructie robusta*
- *putere mare*
- *schimbarea periilor din exterior*
- *discuri Turbo Plus ranforsate*
- *constructie cu laser LD*

DOTAREA STANDARD
- *discuri diamantate ø 180 mm*
- *cheie hexagonala M 10*
- *maner lateral*
- *cutie de transport anti-soc din PVC*



STAYER



	Putere motor	
1.6007	1800 W	4918.03
	Putere motor	1800 W
	Turatii in gol	4100 rpm
	Diametru disc	Φ 150-180 mm
	Latime de taiere	9-51 mm
	Adancime de taiere	15-54 mm
	Greutate	7,7 kg

RF 1100 K NOU

Masina de taiat caneluri Ø78 mm, 1100 W

AVANTAJELE PRODUSULUI
- *curatarea canelurilor intr-o singura trecere.*
- *cuplaj aspirator.*
- *robust si usor de manevrat.*
- *executie rapida*
- *aplicatii: caramizi goale / materiale moi / beton celular / ciment*
- *geanta de transport PE HD.*

DOTAREA STANDARD
- *geanta de transport PE HD*



Include freza ø78 mm
latime de taiere ø25 mm



STAYER



	Putere motor	
1.1654	1100 W	2377.05
	Putere motor	1100 W
	Turatii in gol	1600 rpm
	Disc diamantat	Φ 78 mm
	Latime taiere	25 mm
	Adancime taiere	11-30 mm
	Greutate	6,5 kg

CP 125

Fierastrau circular Ø125 mm, 1400 W

AVANTAJELE PRODUSULUI

- *mini fierastrău circular cu putere mare (1400W)*
- *design compact si echilibrat.*
- *sistem de protectie impotriva prafului si rulmenti de calitate*
- *potrivit pentru toate tipurile de discuri ø125 x 22,2 mm*
- *pentru toate tipurile de materiale, de la lemn si lemn laminat la portelan si marmura*

DOTAREA STANDARD

- *ghidaj lateral*
- *x1 disc diamant*



Cod. 1.2397

STAYER

MOTOR PROTECTED DUST-PROOF | BUILT-IN VACUUMING | BEVEL CUT 45° | CUTTING DEPTH ADJUSTABLE | DISC WIDIA | DIAMOND DISC ø125 mm

	Putere motor	
1.1565	1400 W	**737.70**
	Putere motor	1400 W
	Turatii in gol	12000 rpm
	Disc diamantat	Φ 125 x 22.2 mm
	Taiere maxim la 45º	34 mm
	Taiere maxim la 90º	40 mm
	Greutate	3,3 kg

CP 236 G — NOU

Fierastrau circular pentru lemn Ø235 mm, 2000 W

AVANTAJELE PRODUSULUI

- *fierastrau circular pentru discuri placatede ø230 mm.*
- *potrivit special pentru podele din lemn si laminate*
- *gata pentru cuplare cu un aspirator extern.*
- *regulator de adancime de taiere.*
- *taieturi tesite 45º.*
- *manere ergonomice*

DOTAREA STANDARD

- *ghidaj de taiere*
- *disc Widia ø235 x 30 mm*



STAYER

BUILT-IN VACUUMING | BEVEL CUT 45° | CUTTING DEPTH ADJUSTABLE | DISC WIDIA

	Putere motor	
1.3319	2000 W	**1557.38**
	Putere motor	2000 W
	Turatii in gol	4500 rpm
	Disc diamantat	Φ235 x 30 mm
	Taiere maxim la 45º	60 mm
	Taiere maxim la 90º	85 mm
	Greutate	8,8 kg

CP 190 G — NOU

Fierastrau circular pentru lemn Ø190 mm, 1600 W

AVANTAJELE PRODUSULUI

- *fierastrau circular pentru discuri placatede ø230 mm.*
- *potrivit special pentru podele din lemn si laminate*
- *gata pentru cuplare cu un aspirator extern.*
- *regulator de adancime de taiere.*
- *taieturi tesite 45º.*
- *manere ergonomice*

DOTAREA STANDARD

- *ghidaj de taiere*
- *disc Widia ø190 x 30 mm*



STAYER

BUILT-IN VACUUMING | BEVEL CUT 45° | CUTTING DEPTH ADJUSTABLE | DISC WIDIA

	Putere motor	
1.3318	1600 W	**836.07**
	Putere motor	1600 W
	Turatii in gol	5500 rpm
	Disc diamantat	Φ 190 x 30 mm
	Taiere maxim la 45º	45 mm
	Taiere maxim la 90º	66 mm
	Greutate	5,0 kg

12.917 — NOU

Ghidaj de taiere pentru fierastraie circulare 1,5 m

AVANTAJELE PRODUSULUI

- *potrivit pentru CP 190 G / CP 236 G*



STAYER

	m	
12.917	1,5	**409.84**

SCP 125 DIAMANT — NOU

Fierastrau circular pentru placi ceramice Ø125mm, 1400 W

AVANTAJELE PRODUSULUI

- *fierastrau circular pentru materiale ceramice, portelan, piatra naturala si artificiala*
- *ghid de taiere din aluminiu 1,5 metri (x3 segmente 50 cm).*
- *sistem de racire cu apa. Instrumentul include un cuplaj pentru robinet si un furtun cu regulator scăzut.*
- *cablu de alimentare cu intrerupator de siguranta normativ pentru lucrul cu apa.*
- *instrumentul include 2 ventuze si 2 cleme pentru a asigura materialul de taiat sau precizie maxima*
- *regulator de adancime de taiere.*
- *taieturi tesite 45º.*
- *maner ergonomic anti-alunecare*

DOTAREA STANDARD

- *ghidaj de taiere 1,5 m: 3 segmente de 50 cm*
- *disc STAYER Turbo Extrafino Profesional H10 ø125 mm.*
- *furtun cu regulator de debit și cuplaj pentru robinet*
- *x2 ventuze pentru ghidaj*
- *x2 cleme pentru ghidaj*
- *geanta de transport*







STAYER

SAFETY SWITCH PRCD | DIAMOND DISC ø180 mm | BUILT-IN VACUUMING | BEVEL CUT 45° | CUTTING DEPTH ADJUSTABLE | ENHACED CON Water

	Putere motor	
1.2829	1400 W	**1803.28**
	Putere motor	1400 W
	Turatii in gol	13800 rpm
	Disc diamantat	Φ 125 x 22.2 mm
	Taiere maxim la 45º	22 mm
	Taiere maxim la 90º	39 mm
	Greutate	2,5 kg



CPT 3000 E

Fierastrau circular 185 mm cu ghidaj de taiere de 3 m

AVATAJELE PRODUSULUI

- *fierastrau circular pentru panze circulare placate CMS ø185 mm*
- *ghidaj de taiere din aluminiu de 3 metri (3 sectiuni de 1 metru)*
- *regulator electronic de viteza.*
- *modul electronic de viteza constanta sub sarcina*
- *potrivit in special pentru taieri in aluminiu, lemn si laminate*
- *pregatit pentru conectarea cu aspiratorul extern*
- *regulator de adancime de taiere*
- *taieri tesite pana la 45°*
- *maner ergonomic*

DOTAREA STANDARD

- *panza placata CMS Z-48*
- *ghidaj de taiere din aluminiu (3 segmente de 1 m din aluminiu)*
- *cuplaj pentru extragerea prafului.*
- *cheie de service.*





STAYER

CONSTANT SPEED
UNDER LOAD

ELECTRONIC
6
SPEED CONTROLLER

BUILT-IN
VACUUMING

BEVEL CUT
45°

CUTTING DEPTH
ADJUSTABLE

DISC
WIDIA

CPT 3000 E	1.1726	1400 W	220V/50Hz	4098.36

Putere motor	1400 W
Turatie mers in gol	2000-5000 rpm
Disc	Φ 185 x 20 mm Z 48
Taieri inclinate	0-45°
Capacitate taiere la 45°	47 mm
Capacitate taiere la 90°	67 mm
Capacitate taiere 45° cu ghidaj	44 mm
Capacitate taiere 90° cu ghidaj	62 mm
Unghi de taiere	0-48°
Greutate	4,0 kg



MULTI TOOL PRO 300

Masina multifunctionala 300 W

AVANTAJELE PRODUSULUI

- *instrument multiplu oscilant cu inlocuire rapida a accesoriilor.*
- *insertie plata deschisa cu compatibilitate excelenta*
- *regulator electronic de viteza*
- *aspirare incorporata*
- *gata pentru cuplare cu un aspirator extern.*
- *versatilitate mare: taie si slefuieste toate tipurile de materiale, de la lemn si metale la portelan*
- *potrivit si pentru indepartarea vopselei si covoarelor*

DOTAREA STANDARD

- *furtun*
- *foi de slefuire autoaderente*
- *placa delta autoaderanta*
- *panza semicircular HCS*
- *panza HCS*
- *razuitor*
- *HD - cutie de transport PE*



STAYER

FLAT INSERTION
QUICK CHANGE

BUILT-IN
VACUUMING

ADJUSTMENT
NO TOOLS REQUIRED

ELECTRONIC
SPEED CONTROLLER

CARRY CASE
HD -P E
INCLUDED

1.1567	Putere motor 300 W	606.56

Putere motor	300 W
Turatii in gol	15000-23000 rpm
Oscilatii	3,2 mm
Greutate	1,5 kg

LU 260 CE

Masina de polisat Ø180 mm, 1200 W

AVANTAJELE PRODUSULUI

- *placa autoaderanta ø180 mm.*
- *sistem electronic de viteza constanta sub sarcina*
- *regulator electronic de viteza pe 6 nivele*
- *potrivit special pentru slefuirea si lustruirea metalelor*
- *maner auxiliar reglabil.*
- *maner spate ergonomic*
- *inlocuirea periei de carbune externa fara dezasamblarea sculei*

DOTAREA STANDARD

- *placa din cauciuc flexibila*
- *maner lateral*
- *pad din lana cu Velcro*



STAYER

SELF ADHERING PLATE
ø180 mm

ELECTRONIC
SPEED CONTROLLER

CONSTANT SPEED
UNDER LOAD

1.1931	Putere motor 1200 W	868.85

Putere motor	1200 W
Turatii in gol	600 - 3200 rpm
Panza circulara	Φ 180 mm
Filet	M 14
Greutate	3,0 kg

LS 1200 B

Masina de slefuit cu tambur Ø100 - 125 mm, 1300 W

AVANTAJELE PRODUSULUI

- *slefuit cu tambur cu motor de serviciu constant S1 pentru role ø100 - 125 mm*
- *viteză constanta sub sarcina*
- *regulator electronic de viteza pe 6 nivele.*
- *inlocuirea periei de cărbune externa fara dezasamblarea sculei.*
- *pornire soft*
- *blocare ax pentru inlocuirea usoara a rolei*
- *potrivit special pentru indepărtarea ruginii, slefuire, lustruire pe metale, precum si pentru structurarea lemnului.*

DOTAREA STANDARD

- *cilindru slefuire*



STAYER

ELECTRONIC
6
SPEED CONTROLLER

CONSTANT SPEED
UNDER LOAD

SOFT
START

1.2010	Putere motor 1300 W	1311.48

Putere motor	1300 W
Turatii in gol	900-3000 rpm
Diametru cilindru	Φ 100-125 mm
Lungime cilindru	100 mm
Filet	M8
Greutate	4,6 kg

LT 1401 EK

Masina de slefuit tevi 40x760 mm, 1400 W

AVANTAJELE PRODUSULUI

- *motor puternic S1 1400 W pentru aplicatii indelungate in conditii grele de lucru*
- *ideal pentru slefuirea tevilor din INOX*
- *manipulare usoara datorita designului ergonomic*
- *arc deschidere de 270 de grade*
- *schimbarea benzilor abrazive se realizeaza fara unelte suplimentare*

DOTAREA STANDARD

- *cutie din aluminiu pentru transport si depozitare*
- *maner suplimentar*
- *9 benzi de slefuire 40x760 mm (3xgr.60, 3xgr.120, 3xgr.240)*
- *cheie de service*



STAYER

CARRY CASE
INCLUDED

ELECTRONIC
6
SPEED CONTROLLER

CONSTANT SPEED
UNDER LOAD

SOFT
START

1.1368	Putere motor 1400 W	1639.34

Putere motor	1400 W
Turatii in gol	750-3000 rpm
Viteza banda	2,7-8,5 m/s
Dimensiune banda	40x760 mm
Diametru maxim tevi	Φ 180 mm
Greutate	3,7 kg

RO 2.5 BRUSHLESS / RO 5 BRUSHLESS

NOU

Slefuitor rotoorbital Ø150 mm, 450 W, motor BRUSHLESS

AVATAJELE PRODUSULUI

- *motor puternic fara perii cu 400 W care mareste durata de viata a masinii, sporind in acelasi timp puterea acesteia.*
- *potrivit pentru prelucrarea lemnului, caroseriei etc.*
- *placa autoaderanta 150 mm cu 15 gauri pentru o aspirare optima.*
- *comutator cu paleta cu maner anti-alunecare.*
- *structura simetrica, permite utilizarea instrumentului cu ambele maini.*
- *regulator de turatie pe 7 nivele: 4000/ 5000/ 6000/ 7000/ 8000/ 9000 si 10.000 rpm.*
- *tacometru pentru a mentine constanta puterea sculei in conditii grele.*



STAYER

RO 2.5 BRUSHLESS	1.2663	400 W	220V/50Hz	1885.25
Putere	400 W			
Turatie mers in gol	4000-10000 rpm			
Dimensiune pad	150 mm			
Orbita	2.5 mm			
Greutate	1.28 kg			

RO 5 BRUSHLESS	1.2194	400 W	220V/50Hz	1868.85
Putere	400 W			
Turatie mers in gol	4000-10000 rpm			
Dimensiune pad	150 mm			
Orbita	5 mm			
Greutate	1.28 kg			

CONTROL LCD SCREEN · PADDLE SWITCH · CONSTANT SPEED UNDER LOAD · BUILT-IN VACUUMING · ORBIT 5 mm · ORBIT 2.5 mm · SELF ADHERING PLATE ø150 mm · ELECTRONIC 7 SPEED CONTROLLER · Motor BRUSHLESS

RO 150 E

Slefuitor rotoorbital Ø150 mm, 450 W

AVATAJELE PRODUSULUI

- *regulator electronic cu 5 viteze.*
- *placa cu fixare autoadeziva.*
- *vibratie scăzuta*

DOTAREA STANDARD

- *maner lateral reglabil.*
- *sacul colector praf*
- *disc de slefuit*



STAYER

DUST COLLECTING BAG · BUILT-IN VACUUMING · ORBIT 2.5 mm · SELF ADHERING PLATE ø150 mm · ELECTRONIC 5 SPEED CONTROLLER

RO 150 E	1.638	450 W	220V/50Hz	622.95
Putere motor	450 W			
Turatii in gol	4000-13000 rpm			
Orbita	2,5 mm			
Diametru bucsa	Φ 150 mm			
Greutate	2,4 kg			

RO 752 EK

NOU

Slefuitor rotoorbital Ø150 mm, 450 W

AVATAJELE PRODUSULUI

- *3 functii cu orbita reglabila:*

1. Miscare excentrica la turatii mari: pentru degrosare, slefuire grea si pentru margini.

2. Miscare excentrica la turatii mici: pentru slefuire si lustruire.

3. Miscare excentrica fara rotatie fortată (Rotoorbital) pentru slefuire fina si mulaje

- *placa autoaderanta*
- *aspirare incorporata*
- *pornire soft*

DOTAREA STANDARD

- *3 foi de slefuit*
- *pad de lana.*
- *placa de spuma*
- *cutie de transport PE-HD*
- *maner auxiliar*



STAYER

SELF ADHERING PLATE ø125 mm · ELECTRONIC 5 SPEED CONTROLLER · WORK MODES 3 · SOFT START · CARRY CASE PE-HD INCLUDED · BUILT-IN VACUUMING · ORBIT 2.5 mm

RO 752 EK	1.1495	750 W	220V/50Hz	1393.44
Putere motor	750 W			
Turatii in gol	1600 - 5800 rpm			
Dimensiune pad	ø150 mm			
Orbită	5 mm			
Vibratii pe minut	3200 - 11600 mm			
Rotatie fortata	180 - 700 mm			
Greutate	2.4 kg			

S 110 PE

Fierastrau vertical 780 W

AVANTAJELE PRODUSULUI

- *dispozitiv pentru suflarea prafului din zona de taiere*
- *indicator cu LASER pentru linia de taiere*
- *electronic*
- *reglarea cursei pendulare in 3 pozitii*
- *ghidaj de sprijin in pozitie joasa pentru taiere precisa*
- *racord pentru aspirator*
- *lama cu schimbare rapida*

DOTAREA STANDARD

- *2 panze pendular*
- *ghidaj lateral*
- *cheie de service.*
- *racord pentru aspirare praf*
- *2 baterii pentru ghidajul cu laser*



STAYER

BEVEL CUT 45° · CUTTING GUIDE LASER · BUILT-IN VACUUMING · CUT PENDULAR · INSERTION T QUICK BLADE CHANGE · COMPONENTS AI MADE OF · ELECTRONIC SPEED CONTROLLER

S 110 PE	1.5936	780 W	220V/50Hz	737.70
Putere motor	780 W			
Turatii in gol	0-3000 rpm			
Capacitate taiere lemn	110 mm			
Capacitate taiere otel	8 mm			
Capacitate taiere plastic	20 mm			
Greutate	2,9 kg			

S 90 PE

Fierastrau vertical 750 W

AVATAJELE PRODUSULUI
- *reglare miscare pendulara in 3 pozitii*
- *ghidaj de sprijin in pozitie joasa pentru taiere precisa*
- *control electronic cu 6 viteze*
- *suflanta de aer in zona de lucru*
- *laser ghidare pentru taiere*
- *racord exhaustare*
- *lama cu schimbare rapida*

DOTAREA STANDARD
- *2 panze pendular*
- *ghidaj lateral*
- *cheie de service.*
- *racord pentru aspirare praf*
- *2 baterii pentru ghidajul cu laser*



STAYER

BEVEL CUT 45° | CUTTING GUIDE LASER | BUILT-IN VACUUMING | BASE ANTI SCRATCHING | CUT PENDULAR | INSERTION T QUICK BLADE CHANGE | LIGHT L.E.D | ELECTRONIC SPEED CONTROLLER

S 90 PE	1.1457	750 W	220V/50Hz	639.34

Putere motor	750 W
Turatii in gol	0-3000 rpm
Capacitate taiere lemn	80 mm
Capacitate taiere otel	8 mm
Capacitate taiere plastic	10 mm
Reglare taieri inclinate	0-15-30-45°
Greutate	2,3 kg



SS 210 B — NOU

Fierastrau sabie 1050 W

AVATAJELE PRODUSULUI
- *schimbare rapida a lamei - Insertie universala*
- *maner rotativ*
- *regulator electronic de viteza*
- *carcasa acoperita cu cauciuc*
- *regulator de adancime reglabil fara unelte*
- *lampa de lucru L.E.D*

DOTAREA STANDARD
- *panza sabie 150 mm*



STAYER

ROTARY HANDLE | UNIVERSAL INSERTION QUICK BLADE CHANGE | LIGHT L.E.D | ELECTRONIC SPEED CONTROLLER

SS 210 B	1.2765	1050 W	220V/50Hz	737.70

Putere motor	1050 W
Turatii in gol	0-2800 rpm
Cursa panza	29 mm
Capacitate maxima de taiere tevi si profile	110 mm
Capacitate taiere lemn	210 mm
Capacitate taiere otel	20 mm
Capacitate taiere aluminiu	30 mm
Greutate	7,2 kg

SS 280 P

Fierastrau sabie 1200 W

AVATAJELE PRODUSULUI
- *schimbare rapidă a lamei - insertie universala*
- *fierastrau pendulular cu 4 pozitii.*
- *regulator electronic cu 6 trepte.*
- *carcasa acoperita cu cauciuc.*
- *ghidaj frontal reglabil fara unelte*
- *lampa de lucru cu LED*

DOTAREA STANDARD
- *2 panze sabie*
- *ghidaj frontal*



STAYER

ADJUSTMENT NO TOOLS REQUIRED | CUT PENDULAR | UNIVERSAL INSERTION QUICK BLADE CHANGE | LIGHT L.E.D | ELECTRONIC SPEED CONTROLLER

SS 280 P	1.2001	1200 W	220V/50Hz	819.67

Putere motor	1200 W
Turatii in gol	800-2800 rpm
Cursa panza	28 mm
Capacitate maxima de taiere tevi si profile	100 mm
Capacitate taiere lemn	230 mm
Capacitate taiere otel	25 mm
Capacitate taiere aluminiu	35 mm
Greutate	3,7 kg



LOM 180

Slefuitor orbital 90x185 mm 260 W

AVATAJELE PRODUSULUI
- *masina de slefuit cu un motor de 260 W pentru slefuirea lemnului si a gips-cartonului.*
- *baza din aluminiu pentru rezistenta si greutate redusa*
- *comutator de siguranta pentru a evita activarile si accidentele neintentionate.*
- *refrigerare optima pentru a reduce caldura de lucru, extinzand timpul de lucru si durata de viata a instrumentului.*
- *maner ergonomic din cauciuc pentru a reduce vibratiile.*
- *sistem de fixare a foilor de slefuire dubla: cu cleme sau placa autoaderenta armata pentru a evita ruperea foii in timpul slefuirii.*
- *pregatit pentru extragerea prafului, rezervor de praf inclus.*

DOTAREA STANDARD
- *placa dreptunghiulara: 90x185 mm*
- *rezervor de praf*
- *foaie de slefuit: 90x185 mm*



STAYER

CLAMPS NO ADHERENT SANDPAPER

COMPONENTS Al MADE OF ALUMINUM | DUST COLLECTING BAG | BUILT-IN VACUUMING | ORBIT 2 mm | SELF ADHERING PLATE

LOM 180	1.2553	260 W	220V/50Hz	393.44

Putere motor	260 W
Turatii in gol	12000 rpm
Dimensiune pad	90x185 mm
Cursa orbitala	2,0 mm
Greutate	1,7 kg

LOM 230 — NOU

Slefuitor orbital 115x230 mm 400 W

AVATAJELE PRODUSULUI
- *motor puternic S1 de serviciu constant.*
- *cleme pentru smirghel fara aderenta*
- *aspirare încorporata*
- *placa autoaderanta*
- *design ergonomic cu vibratii reduse*

DOTAREA STANDARD
- *sac de colectare a prafului*
- *x2 foi de slefuit P80*



STAYER

DUST COLLECTING BAG | BUILT-IN VACUUMING | ORBIT 2 mm | SELF ADHERING PLATE | CLAMPS NO ADHERENT SANDPAPER

LOM 230	1.2135	400 W	220V/50Hz	786.89

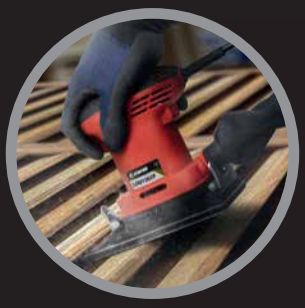
Putere motor	400 W
Turatii in gol	12000 rpm
Dimensiune pad	115x230 mm
Cursa orbitala	2,0 mm
Greutate	2,9 kg

LOM 130 3P

Slefuitor orbital 190 W

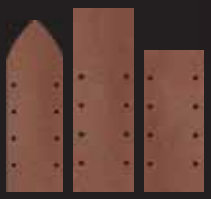
AVATAJELE PRODUSULUI
- *slefuitor compact pentru lemn si gips-carton.*
- *proiectat pentru a fi folosit cu o singura mana*
- *potrivit pentru slefuirea umeda*
- *cap acoperit cu cauciuc pentru a reduce vibratiile.*
- *protectie impotriva prafului intre placa si motor*
- *sistem dublu de fixare a foii de slefuit: placa si cleme autoaderente*
- *aspirare incorporata. Gata pentru cuplare cu un aspirator extern.*
- *model unic, capabil să dubleze slefuirea fetei.*
- *special conceput pentru slefuirea jaluzelelor din lemn*

SET DE LIVRARE:
- *sac de colectare a prafului.*
- *placa dreptunghiulara 85 x 135 mm.*
- *placa dubla fata 85 x 200 m / 85 x 60 mm.*
- *placa Delta 89 x 225 mm.*
- *x11 foi de slefuit dreptunghiulare 85 x 135 mm. x2 P40 / x3 P60 / x4 P80 / x2 P120*
- *x11 foi de slefuit Delta 90 x 225 mm. x2 P40 / x3 P60 / x4 P80 / x2 P120*
- *x11 foi de slefuit dublu fata 80 / 85 x 255 / 260 mm. x2 P40 / x3 P60 / x4 P80 / x2 P120*

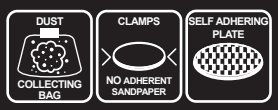




x33 foi abrazive incluse



LOM 130 3P	1.2543	190 W	220V/50Hz	508.20
Putere	190 W			
Turatie mers in gol	11000 rpm			
Orbita	2.0 mm			
Greutate	1.30 kg			



LEN 610

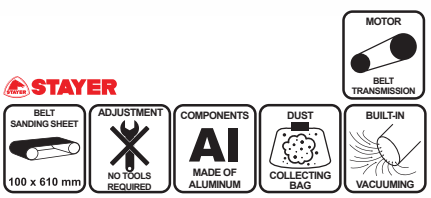
Slefuitor cu banda 1200 W

AVATAJELE PRODUSULUI
- *regulator de turatie in 6 trepte pentru un control mai bun al slefuirii pe diferite suprafete*
- *motor puternic de 900 W pentru utilizare in conditii grele de lucru*
- *maner dublu pentru un control perfect al masinii*
- *sistem de aspiratie propriu*

DOTAREA STANDARD
- *banda abraziva cu granulatia gr.80*
- *racord pentru exhaustare*
- *sac pentru colectarea prafului*



STAYER



LEN 610	1.5636	1200 W	220V/50Hz	1147.54
Putere motor	150 W			
Turatii in gol	14000 rpm			
Dimensiuni placa	150x150x100 mm			
Greutate	0,9 kg			

P 910 B NOU

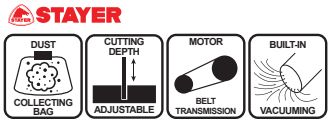
Rindea lemn 900 W

AVATAJELE PRODUSULUI
- *motor puternic cu transmisie cu curea*
- *regulator de adancime prin sferturi de limitator*
- *sistem puternic de aspirare incorporat.*
- *gata pentru cuplare cu un aspirator extern.*
- *schimbare rapida a lamei*

DOTAREA STANDARD
- *ghidaj lateral*
- *sac de colectare a prafului*
- *set de lame*



STAYER



P 910 B	1.2754	900 W	220V/50Hz	655.74
Putere motor	900 W			
Turatia la functionarea in gol	16.000 rpm			
Adancimea de lucru	0-3 mm			
Adancime de faltuire	14 mm			
Latimea de lucru	82 mm			
Greutate	2,8 kg			

P 910 - Accesorii

Set 2 cutite rindea



STAYER

	Dimensiune	
12.195	82 mm	34.43
12.605	110 mm	34.43





BJ 120 - Accesorii

Disc TCT pentru freza de imbinari in biscuiti

• dimensiuni: 100x3,5x22 mm Z6



	Dimensiune	
12.286	100x3,5x22 mm Z6	**45.08**

BJ 120 - Accesorii

Set 100 biscuiti



	Gr.	
11.2493	Gr. 20	**114.75**
11.2494	Gr. 10	**114.75**
11.2495	Gr. 0	**114.75**

BJ 120 B — NOU

Freza imbinari tip biscuiti 900 W

AVATAJELE PRODUSULUI

• freza pentru imbinarea bucatilor de lemn folosind biscuiti din lemn.
• potrivit in special pentru incrustatii si dulapuri.
• pentru biscuiti de nr. 0, nr. 10 și nr. 20.
• frezare la 45° si pana la 35 mm adancime

DOTAREA STANDARD

• disc TCT
• sac colector pentru praf



BEVEL CUT 0 - 90° | DISC | CUTTING DEPTH ADJUSTABLE

BJ 120 B	**1.2691**	900 W	220V/50Hz	**622.95**
Putere motor	900 W			
Turatii in gol	11000 rpm			
Frezare maxima	13 x 4 mm			
Biscuiti	nr. 0 - 10 - 20			
Dimensiunea frezei	Ø100x4.0x22 mm			
Taiere inclinata	0-90°			
Inaltime maxima de lucru	35 mm			
Greutate	3,2 kg			

PR 6

Masina de frezat 550 W

AVATAJELE PRODUSULUI

• puternica, usoara, usor de folosit
• reglare micrometrica a adancimii de frezare
• ideala pentru lucrari de frezare si de finisare canturi

DOTAREA STANDARD

• ghidaj
• indicator adancime frezare



INSERTION ø6 - 8 mm | CUTTING DEPTH ADJUSTABLE

PR 6	**1.653**	550 W	220V/50Hz	**557.38**
Putere motor	550 W			
Turatii in gol	32000 rpm			
Bucsa	Ø6 mm			
Adancime frezare	0 - 40 mm			
Greutate	1,8 kg			

PR 10 EK

Masina de frezat 1800 W

AVATAJELE PRODUSULUI

• controlul vitezei pentru aplicatii in diferite materiale
• AL - Pornire lina
• maner auxiliar dublu
• reglarea adancimii in mai multe pozitii.
• scala gradata pentru reglarea adancimii de frezare (variabila)
• racord exhaustare

DOTAREA STANDARD

• ghidaj lateral
• 6 freze cu coada cilindrica
• 6 pensete (6-6.35-8-10-12-12.7 mm)
• cheie de service
• adaptor de aspiratie
• geanta de transport



INSERTION ø6 - 12.7 mm | ROUTER BITS INCLUDED x6 | POWER 1800W | CARRY CASE PE-HD INCLUDED | ELECTRONIC 6 SPEED CONTROLLER | BUILT-IN VACUUMING | CUTTING DEPTH ADJUSTABLE

PR 10 EK	**1.1310**	900 W	220V/50Hz	**1180.33**
Putere motor	1800 W			
Turatii in gol	8000-30000 rpm			
Bucsa	Φ 6-6.3-8-10-12-12.7 mm			
Adancime frezare	0-60 mm			
Greutate	4,0 kg			

PRP 6 — NOU

Freza pentru balamale 480 W

AVATAJELE PRODUSULUI

• masina de frezat usoara special conceputa pentru montare balamalei pe profile si usi din lemn.
• ghidaj milimetric cu regulator de adancime pentru control maxim al traseului.
• fata pentru cuplare cu un aspirator extern.
• tnlocuire rapida a frezei fara unelte suplimentare necesare.

DOTAREA STANDARD

• x1 freza ø14 mm
• racord pentru aspirator
• ghidal lateral



BUILT-IN VACUUMING | CUTTING DEPTH ADJUSTABLE | INSERTION ø6 - 8 mm | ROUTER BITS INCLUDED x1 | SPECIAL FOR HINGES

PRP 6	**1.2141**	480 W	220V/50Hz	**672.13**
Putere motor	480 W			
Turatii in gol	27000 rpm			
Bucsa	Ø6 - Ø8 mm			
Adancime frezare	0 - 30 mm			
Greutate	1,6 kg			

VAC 2030

Aspirator de atelier 1200 W

AVATAJELE PRODUSULUI

• aspirator pentru solide si lichide.
• priza de iesire pentru a conecta o unealta la aspirator.
• activarea instrumentului conectat activeaza simultan aspiratorul.
• cand unealta este oprită, aspiratorul continuă să functioneze timp de 8 secunde pentru a indeparta complet praful.
• pornire soft.
• 4 roti pentru a usura lucrarile pe suprafete mari

DOTAREA STANDARD

• furtun flexibil
• cuplaj de vid
• tub telescopic
• perie cu 2 pozitii
• duză plată
• perie rotunda
• sac de praf
• sac filtru lavabil
• filtru cu burete



DRAIN HOSE | SYSTEM MASTER SLAVE | VACUUM SOLIDS | VACUUM LIQUIDS | OUTPUT SOCKET

VAC 2030	**1.1690**	1200 W	220V/50Hz	**1311.48**
Putere motor	1200 W			
Priza de alimentare auxiliara	2000 W			
Capacitate suctiune	19 KPA			
Capacitate rezervor	30 l			
Diametru tub suctiune	Φ 38 mm			
Lungime tub flexibil	1,5 m			
Lungime tub telescopic	48-80 cm			
Greutate	11 kg			

VAC 2050 C NOU

Aspirator de atelier 1200 W, filtru HEPA

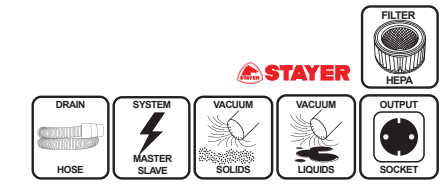
AVATAJELE PRODUSULUI

• aspirator pentru solide si lichide.
• VAC 2050 C Include un filtru HEPA, furtun de scurgere si o capacitate mai mare a rezervorului.
• priza de iesire pentru a conecta o unealta la aspirator.
• activarea instrumentului conectat activeaza simultan aspiratorul.
• cand unealta este oprită, aspiratorul continuă să functioneze timp de 8 secunde pentru a indeparta complet praful.
• pornire soft.
• 4 roti pentru a usura lucrarile pe suprafete mari

DOTAREA STANDARD

• furtun flexibil
• cuplaj de vid
• tub telescopic
• perie cu 2 pozitii
• duză plată
• perie rotunda
• sac de praf
• filtru HEPA
• lant anti-static





VAC 2050 C	1.1198	1200 W	220V/50Hz	1885.25

Putere motor	1200 W
Priza de alimentare auxiliara	2000 W
Capacitate suctiune	17 KPA
Capacitate rezervor	50 l
Diametru tub suctiune	Φ 38 mm
Lungime tub flexibil	1,9 m
Lungime tub telescopic	40-80 cm
Greutate	11 kg

BVAC 2400 DM NOU

Aspirator de atelier 2400 W

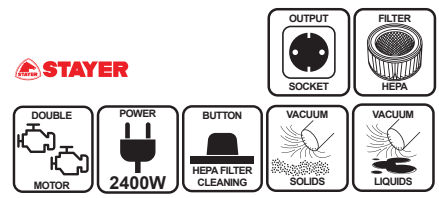
AVANTAJELE PRODUSULUI

• aspirator de solide si lichide cu 2 motoare 1200W
• filtru HEPA lavabil cu sistem de curatare a filtrului.
• curatare semiautomata a filtrului HEPA.
• priza de alimentare auxiliara pentru conectarea instrumentelor.
• rezervor din otel inoxidabil 60L.

DOTAREA STANDARD

• furtun flexibil de 38 mm x 4 m lungime.
• 2 tuburi metalice AB 38mm
• 2 perii pentru solide si lichide, potrivite pentru podele umede si covoare.
• 1 perie rotunda (peri pentru mese, ferestre, covor).
• 1 cap plat (pentru colturi).





BVAC 2400 DM	1.2412	1200 W	220V/50Hz	3770.49

Putere motor	1200 - 2400 W
Priza de alimentare auxiliara	2000 W
Capacitate suctiune	23 Kpa
Capacitate rezervor	60 L
Diametru tub suctiune	ø38 x 4000 mm
Lungime tub flexibil	4.5 m
Greutate	23 kg

BVAC 2200 E NOU

Aspirator / suflanta de atelier 1600 W

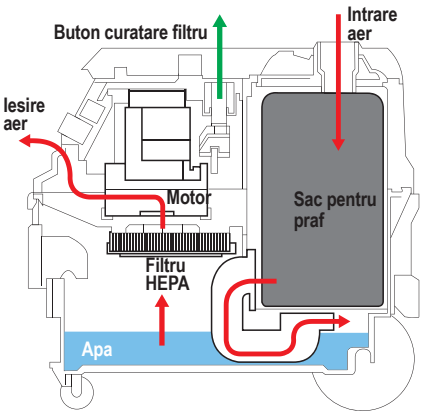
AVATAJELE PRODUSULUI

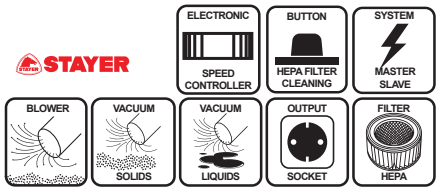
• aspirator pentru solide si lichide cu filtru triplu.
• buton de curatare a filtrului HEPA care blocheaza duza.
• priza de iesire pentru a conecta o unealta la aspirator. Activarea instrumentului conectat se realizeaza simultan aspiratorul.
• cand unealta este oprita, aspiratorul continua sa functioneze timp de 8 secunde pentru a indeparta complet praful.
• suflanta încorporata
• regulator electronic de putere.
• conversie rapida si usoara, sistem DRY în WET (Schimbati filtrul pentru solide si instalati buretele/filtrul pentru lichide).
• 4 roti pentru a usura lucrarile pe suprafete mari.
• clasa de protectie IPX4

DOTAREA STANDARD

• furtun flexibil
• cuplaj de vid de la 27 la 40 mm
• tub telescopic
• perie cu peri (pentru covoare)
• perie pentru podea (pentru lichide).
• duză plată
• perie rotunda
• filtru HEPA
- x2 saci de praf lavabili







BVAC 2200 E	1.1898	1200 W	220V/50Hz	2868.85

Putere motor	1600 W
Priza de alimentare auxiliara	2200 W
Capacitate suctiune	18 Kpa
Capacitate rezervor	30 L
Diametru tub suctiune	ø32 x 3000 mm
Lungime tub telescopic	40 - 80 cm
Cablu	4.5 m
Greutate	6 kg

SC 250 CW

NOU

Fierastrau circular de banc 1800 W cu masa superioara panza 250 mm

AVANTAJELE PRODUSULUI

- *fierastrau circular cu masa de superioara pentru panze circulare placate CMS de ø250 mm.*
- *motor monofazat 1800 W.*
- *design dur din aluminiu.*
- *masa rotativa cu unghi presetate la fiecare 5º*
- *ghidag de taiere la scala*

DOTAREA STANDARD

- *panza circulara placata CMS ø250 x 30 mm*
- *suporturi de taiere extensibile.*
- *ghidaj superior paralel.*
- *protectie disc.*
- *clema verticala*
- *sac de colectare a prafului*



Capacitate taiere: Lungime max. x Inaltime max. (LxH)

Drept 90º	Unghiular 45/90º	Sanfren 90/45º	Combinat 45/45º	Pemasa superioara
150 x 70mm	110 x 70mm	150 x 40mm	110 x 40mm	0-33 mm

STAYER

MAX LxH 150 x 70mm | CUTTING SUPPORTS EXPANDABLE TABLE | BUILT-IN VACUUMING | COMPONENTS Al MADE OF ALUMINUM | DISC WIDIA

SC 250 CW	1.2943	1800 W	220V/50Hz	2786.89

Putere motor	1800 W
Turatie mers in gol	4800 rpm
Dimensiunea discului	ø255 x 30 mm
Greutate	16 kg

SC 250 W PRO

Fierastrau circular de banc 1500 W cu masa superioara panza 254 mm

AVANTAJELE PRODUSULUI

- *blocarea automata a mesei mobile la -45º, -22.5º, 0º, +22.5º, +45º*
- *sistem de absorbtie a prafului*
- *masa mobila superioara din tabla*

DOTAREA STANDARD

- *panza circulara TCT ø254 x 30 mm*
- *regulator de lungime.*
- *gfhidaj superior paralel.*
- *goniometru de masă superior.*
- *protectie disc*
- *sac de colectare a prafului*



Capacitate taiere: Lungime max. x Inaltime max. (LxH)

Drept 90º	Unghiular 45/90º	Sanfren 90/45º	Combinat 45/45º	Pemasa superioara
155 x 70mm	105 x 70 mm	150 x 50 mm	55 x 50 mm	0 - 43 mm

STAYER

MAX LxH 155 x 70mm | BUILT-IN VACUUMING | DISC WIDIA

SC 250 W PRO	1.1377	1500 W	220V/50Hz	2836.07

Putere motor	1500 W
Turatie mers in gol	3800 rpm
Dimensiunea discului	ø254 x 30 mm
Greutate	14.5 kg

SC 305 IW

Fierastrau circular de banc 1600 W cu masa superioara panza 305 mm motor cu inductie

AVANTAJELE PRODUSULUI

- *motor puternic cu inductie cu transmisie prin curea.*
- *baza din aluminiu si masa superioara*
- *masa mare 476 x 326 mm.*
- *bloc automat de filare la 22,5º - 30º - 45º - 90º.*
- *ghid paralel*
- *clema verticala*

DOTAREA STANDARD

- *panza TCT 305 mm*
- *ghidaj paralel*
- *ghidaj longitudinal*



Capacitate taiere: Lungime max. x Inaltime max. (LxH)

Drept 90º	Unghiular 45/90º	Sanfren 90/45º	Combinat 45/45º	Pemasa superioara
135 x 55mm	90 x 55 mm	125 x 45 mm	65 x 45 mm	0 - 45 mm

STAYER

MAX LxH 120 x 55mm | CUTTING SUPPORTS EXPANDABLE TABLE | BUILT-IN VACUUMING | COMPONENTS Al MADE OF ALUMINUM | DISC WIDIA

SC 305 IW	1.2192	1600 W	220V/50Hz	6213.11

Putere motor	1600 W
Turatie mers in gol	3000 rpm
Dimensiunea discului	ø300 x 30 mm
Greutate	26 kg

SCR 216 W

NOU

Fierastrau circular telescopic de banc 1700 W cu panza 216 mm

AVANTAJELE PRODUSULUI

- *fierastrau circular telescopic de banc pentru panze circulare placate CMS de ø216 mm.*
- *cap culisant pentru taieturi de lungime mare.*
- *ghidaj de taiere cu laser*
- *baza din aluminiu.*
- *masa rotativa cu unghi presetate la -45º / -30º / -22,5º -15º / 0º / +15º/ +22,5º / +30º / +45º*

DOTAREA STANDARD

- *panza TCT ø315 x 30 mm*
- *suporturi de taiere extensibile.*
- *clema verticala*
- *sac de colectare a prafului*

Capacitate taiere: Lungime max. x Inaltime max. (LxH)

Drept 90º	Unghiular 45/90º	Sanfren 90/45º	Combinat 45/45º
340x65 mm	240x65 mm	340x40 mm	240x40 mm

STAYER

SCR 216 W	1.2183	2000 W	220V/50Hz	2540.98

Putere motor	1700 W
Turatie mers in gol	4700 rpm
Dimensiunea discului	ø210 / 216 x 30 mm
Greutate	12 kg



MAX LxH 340 x 65mm | COLLAPSIBLE TOOL CARRY HANDLE | CUTTING GUIDE LASER | CUTTING SUPPORTS EXPANDABLE TABLE | BUILT-IN VACUUMING | COMPONENTS Al MADE OF ALUMINUM | DISC WIDIA

SCR 255 CW

Fierastrau circular telescopic de banc 1700 W cu panza 255 mm

AVANTAJELE PRODUSULUI

- *fierastrau circular telescopic de banc pentru panze circulare placate CMS de ø255mm.*
- *cap culisant pentru taieturi de lungime mare.*
- *motor silentios transmisie cu curea*
- *ghidaj de taiere cu laser*
- *baza din aluminiu.*
- *masa rotativa cu unghi presetate la -45º / -30º / -22,5º -15º / 0º / +15º/ +22,5º / +30º / +45º*

DOTAREA STANDARD

- *panza TCT ø255 x 30 mm*
- *suporturi de taiere extensibile.*
- *clema verticala*
- *sac de colectare a prafului*

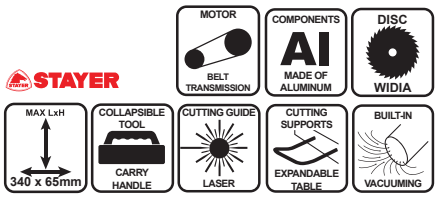


Transmisie cu curea motor silentios



Capacitate taiere: Lungime max. x Inaltime max. (LxH)

Drept 90º	Unghiular 45/90º	Sanfren 90/45º	Combinat 45/45º
340x90 mm	240x90 mm	340x50 mm	240x45 mm



SCR 255 CW	1.1676	1800 W	220V/50Hz	3688.52

Putere motor	1800 W
Turatie mers in gol	6000 rpm
Dimensiunea discului	ø255 x 30 mm
Greutate	17.5 kg

T 100 C

Banc pentru fierastrau

- *puternic, pliabil, usor.*
- *usor de transportat.*
- *capacitate maxima :150 kg*
- *inaltimea reglabila: 825-935 mm*
- *latume reglabila: 940-1985 mm*
- *greutate: 17 kg.*
- *suprafata maxima: 710x510 mm*
- *dimensiuni: 19.85x6.40x9.35 cm*
- *greutate: 9.8 kg*
- *2 suporturi cu role.*
- *2 cleme.*



	Inaltime maxima	Ambalare	
1.2889	935 mm	1	280.33

SCR 315 W

Fierastrau circular telescopic de banc 1800 W cu panza 315 mm

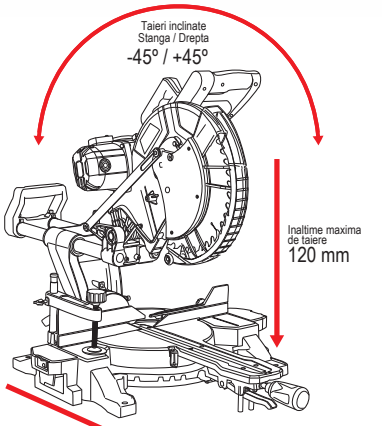
AVANTAJELE PRODUSULUI

- *fierastrau circular telescopic de banc pentru panze circulare placate CMS de ø315mm.*
- *cap rabatabil spre dreapta si spre stanga*
- *inaltime maxima de taiere 120 mm.*
- *cap culisant pentru tăieturi de lungime mare.*
- *motor silentios transmisie cu curea*
- *ghid de tăiere cu laser*
- *baza din aluminiu.*
- *ghid de tăiere la scară pentru exactitude primarului*
- *masa rotativa cu unghi presetate la -45º / -30º / -22,5º -15º / 0º / +15º/ +22,5º / +30º / +45º*

DOTAREA STANDARD

- *panza TCT ø315 x 30 mm*
- *suporturi de taiere extensibile.*
- *clema verticala*
- *sac de colectare a prafului*



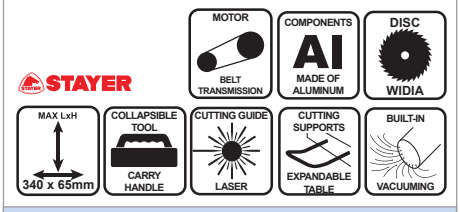




Transmisie cu curea motor silentios

Capacitate taiere: Lungime max. x Inaltime max. (LxH)

Drept 90º	Inclinat 45/90º	Sanfren 90/45º	Combinat 45/45º	Combinat drept
370x105 mm 330x120 mm	370x65 mm 370x35 mm	255x105 mm	255x65 mm	255x35 mm



SCR 315 W	1.1933	1800 W	220V/50Hz	4344.26

Putere motor	1800 W
Turatie mers in gol	3500 rpm
Dimensiunea discului	ø315 x 30 mm
Greutate	19 kg

TV 509 D

Masina de taiat cu disc abraziv 355 mm, 2500 W

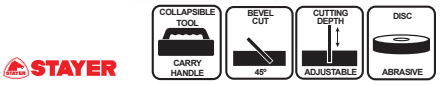
AVANTAJELE PRODUSULUI

- *motor monofazat*
- *puternica*
- *precisa*
- *structura robusta*
- *maner ergonomic*
- *posbilitate taiere 0-45°*
- *inlocuire usoara a periilor*

DOTAREA STANDARD

- *1 disc abraziv pentru metal*
- *cheie de service*
- *limitator taiere 0 - 45°*
- *clema cu prindere rapida*





1.1976	2500 W	2049.18

Putere motor	2500 W
Turatie la functionarea in gol	3800 rpm
Dimensiune panza	ø 355x3,0x25,4
Greutate	19,0 kg
Capacitate taiere la 90°structuri solide/profile	Φ 120 mm
	105x105 mm
Capacitate taiere la 45°structuri solide/profile	130x90 mm
	Φ 80 mm
	50x50 mm
	80x50 mm

TD 185 (BRUSHLESS) NOU

Masina de taiat cu disc abraziv 185 mm

AVANTAJELE PRODUSULUI

- *motor puternic fara perii pentru o eficienta sporita, reducand in mod semnificativ acumularea de caldura si marind considerabil durata de viata a motorului si a bateriei.*
- *masina de taiat pentru taierea rapida si curata a metalelor.*
- *baza din otel intarit.*
- *pornire soft; viteza constanta.*
- *taiere aluminiu.*
- *protectie impotriva deconectarii (anti-rearmare) si suprasarcina.*
- *indicator de pornire si suprasarcina*
- *3 viteze:*
- *1900 rpm: metale feroase.*
- *2300 rpm: metale neferoase*
- *2800 rpm: otel inoxidabil*



Include:

- Disc otel 185 mm Cod: 12.931





1.3320	1500 W	3688.52

Putere motor	2500 W
Turatie la functionarea in gol	1900 / 2300 / 2800 rpm
Dimensiune panza	ø 185 mm
Greutate	11,0 kg
Capacitate taiere la 90°structuri solide/profile	Φ 55 mm
	45x45 mm
Capacitate taiere la 45°structuri solide/profile	35x85mm
	Φ 45 mm
	40x40 mm
	30x80 mm

SN 1435 B

Fierastrau cu banda 1435 mm, 1/2 CP

AVANTAJELE PRODUSULUI
- *unghi de taiere intre 0°- 45 °*
- *panza usor de montat*
- *sistem de blocare pentru transport usor*
- *dispozitiv practic de tensionare a panzei*
- *menghina integrata in suport*
- *motor cu inductie monofazat*

DOTAREA STANDARD
- *panza banda 1435x12,7x0,65 mm*
- *menghina rapida*



INDUCTIE

	Putere motor	Ambalare	
1.1460	1/2 CP	1	**4508.20**

Putere	1/2 CP
Turatie la functionarea in gol	2000-4000 rpm
Dimensiune panza	1.435x12.7x0,65
Taiere la unghi de inclinare de	0-45°
Greutate	21 kg
Capacitate taiere la 90° structuri solide/profile	Φ 125 mm
	125x125 mm
	125x127 mm
Capacitate taiere la 45° structuri solide/profile	Φ 80 mm
	80x80 mm
	80x100 mm

SN 1735

Fierastrau cu banda 1735 mm, 2000 W

AVANTAJELE PRODUSULUI
- *capacitate foarte mare de taiere*
- *AL - Pornire progresiva*
- *partea mobila din aluminiu*
- *intrerupator de siguranta pe maner*
- *sistem de siguranta pentru evitarea accidentelor*
- *dispozitiv practic de tensionare a panzei*
- *blocaj rapid prin clema de siguranta*
- *dispozitiv electronic pentru a regla viteza intre 30 si 80 rpm*

DOTAREA STANDARD
- *panza banda 1735x13x0,65 mm*
- *menghina rapida*



INDUCTIE

	Putere motor	Ambalare	
1.5882	2000 W	1	**9590.16**

Putere	2000 W
Turatie la functionarea in gol	80 m/min
Dimensiune panza	1.735x13x0,65
Taiere la unghi de inclinare de	0-45°
Greutate	38 kg
Capacitate taiere la 90° structuri solide/profile	Φ 160 mm
	155x155 mm
	170x150 mm
Capacitate taiere la 45° structuri solide/profile	Φ 120 mm
	120x120 mm
	120x100 mm

BC 1200 D

Aspirator pentru cenusa 1200 W

AVANTAJELE PRODUSULUI
- *furtun metalic flexibil pentru aspirare sigura*
- *usor de transportat*

DOTAREA STANDARD
- *tub aspirare din otel 38 mm*
- *maner rigid de extractie 20 cm*
- *filtru HEPA*
- *maner transport*





STAYER

	Putere motor	
1.1072	1200 W	**508.20**

Putere motor	1200 W
Capacitate rezervor	20 litri
Capacitate suctiune	19 Kpa
Diametru tub	38 mm
Lungime tub	1 m
Greutate	4,5 kg

MULTI DRILL 130

Masina multifunctionala compacta 130 W

AVANTAJELE PRODUSULUI
- *control electronic al vitezei*
- *pentru toate materialele*

DOTAREA STANDARD
- *ax flexibil de 110 cm*
- *200 de accesorii pentru gaurire, slefuire, taiere, polizare, frezare si ascutire*
- *cutie plastic pentru transport*



STAYER

	Putere motor	
1.651	130 W	**524.59**

Putere motor	130 W
Turatii in gol	8000-33000 rpm
Capacitate mandrina cu adaptor	Φ 0-32 mm
Greutate	1,5 kg

EPG 300

Pistol de vopsit 400 W

AVANTAJELE PRODUSULUI
- *detasare usoara rezervorului pentru lucru rapid*
- *inlocuire rapida a duzelor*

DOTAREA STANDARD
- *vascozimetru*





STAYER

	Putere motor	
1.738	400 W	**467.21**

Putere motor	400 W
Presiune pistol	0,1-0,2 bar
Capacitate rezervor	0,8 litri
Capacitate livrare	300 g/min
Vascozitate maxima	30 DIN/sec
Diametru duza	2,5 mm
Greutate	1,47 kg

E 150 C

Polizor de banc cu 2 pietre 150 mm, 150 W

AVANTAJELE PRODUSULUI

- *polizor de banc cu 2 pietre de polizat (Ø150mm) granule A36 si A60*
- *motor 150 W clasa E*
- *pentru ascutirea fierastraului, a lamelor, a daltilor si a altor unelte de taiat*
- *rulmenti cu bile etanse pentru o durata mai lunga de viata si o utilizare usoara*
- *2 suporturi de odihna pentru a compensa uzura pietrelor de slefuit*
- *carcasa solida turnata*
- *polizor de banc usor si compact*
- *protectii transparente sunt din nou scantei pentru o securitate optima a muncii*



STAYER

MOTOR INDUCCIÓN

	Putere motor	
2.534	150 W	**508.20**
	Putere motor	150 W
	Turatii in gol	2950 rpm
	Diametru disc	150x1,6x12,7 mm
	Greutate	5,7 kg

ECA 150 B

Polizor de banc cu 2 pietre 150/200 mm, 350 W

AVANTAJELE PRODUSULUI

- *comutator electromacnetic protejat impotriva prafului*
- *motor cu viteza constanta cu rulmenti cu bile, sigilati pentru a evita intrarea prafului*
- *protectie 270º si lentile de protectie largi*
- *picioare din cauciuc pentru utilizare sigura si lipsita de vibratii*

DOTAREA STANDARD

- *1 piatra polizor 150 mm si 1 piatra polizor 200 mm pentru ascutit*



STAYER

	Putere motor	
2.404	350 W	**934.43**
	Putere motor	350 W
	Turatii in gol	2950 rpm
	Diametru disc	150x20x12,7 mm
	Diametru disc pentru ascutit	200x40x20 mm
	Greutate	8,5 kg

ECP 150 B

Polizor de banc cu piatra/perie 150 mm, 350 W

AVANTAJELE PRODUSULUI

- *comutator electromacnetic protejat impotriva prafului*
- *motor cu viteza constanta cu rulmenti cu bile, sigilati pentru a evita intrarea prafului*
- *protectie 270º si lentile de protectie largi*
- *picioare din cauciuc pentru utilizare sigura si lipsita de vibratii*

DOTAREA STANDARD

- *1 piatra polizor 150 mm si 1 perie 150 mm*



STAYER

	Putere motor	
2.403	350 W	**737.70**
	Putere motor	350 W
	Turatii in gol	2950 rpm
	Diametru disc	150x20x12,7 mm
	Diametru perie	150 mm
	Greutate	7,0 kg

ECL 150 B

Polizor de banc cu piatra/banda abraziva 350 W

AVANTAJELE PRODUSULUI

- *comutator electromacnetic protejat impotriva prafului*
- *motor cu viteza constanta cu rulmenti cu bile, sigilati pentru a evita intrarea prafului*
- *protectie 270º si lentile de protectie largi*
- *picioare din cauciuc pentru utilizare sigura si lipsita de vibratii*

DOTAREA STANDARD

- *1 piatra polizor 150 mm si 1 panza abraziva 50x686 mm*



STAYER

	Putere motor	
2.405	350 W	**983.61**
	Putere motor	350 W
	Turatii in gol	2950 rpm
	Diametru disc	150x20x12,7 mm
	Dimensiune banda abraziva	50x686 mm
	Greutate	7,0 kg

EP 200 BM

Polizor de banc cu 2 pietre 200 mm, 350 W

AVANTAJELE PRODUSULUI

- *comutator electromacnetic protejat impotriva prafului*
- *motor cu viteza constanta cu rulmenti cu bile, sigilati pentru a evita intrarea prafului*
- *protectie 270º*
- *lentile de protectie largi*
- *picioare din cauciuc pentru utilizare sigura si lipsita de vibratii*

DOTAREA STANDARD EP 200 BM

- *2 pietre polizor 200 mm granulatie A36 si A60*



STAYER

MOTOR INDUCCIÓN

	Putere motor	
2.402	350 W	**819.67**
	Putere motor	350 W
	Turatii in gol	2950 rpm
	Diametru disc	200x20x16 mm
	Greutate	11,5 kg

HL 135 NOU

Aparat de spalat cu inalta presiune 1600 W

AVANTAJELE PRODUSULUI

• curatator de inalta presiune cu motor de serviciu constant S1.
• Total Sop System (TSS). Opreste automat pompa la eliberarea declansatorului pentru a evita deteriorarea sculei

DOTAREA STANDARD

• pistol cu blocare intrerupator de siguranta
• lance turbo
• lance electrică Vario
• conector
• filtru de apa



STAYER | TSS | PRESSURE REGULATOR | COMPONENTS Al MADE OF ALUMINUM

HL 135	1.3321	1600 W	220V / 50 Hz	1229.51

Putere motor	1600 W
Turatii in gol	16300 rpm
Debit	5.5 l/min
Debit maxim	7 l/min
Presiune maxima	135 Bar
Presiune de lucru	105 Bar
Presiune maxima intrare apa	5 Bar
Protectie	IPX5
Lungime cablu	5 m
Furtun	5 m
Greutate	5,8 kg

HL 2200 NOU

Aparat de spalat cu inalta presiune 2200 W

AVANTAJELE PRODUSULUI

• curatator de inalta presiune cu motor de serviciu constant S1.
• Total Sop System (TSS). Opreste automat pompa la eliberarea declansatorului pentru a evita deteriorarea sculei.
• rezervor de sapun încorporat.
• furtun de inalta presiune 5m.
• rolă de furtun incorporata
• cablu 5 m.

DOTAREA STANDARD

• pistol cu blocare intrerupator de siguranta
• lance turbo
• lance electrică Vario
• filtru de apa



STAYER | TSS | PRESSURE REGULATOR | COMPONENTS Al MADE OF ALUMINUM

HL 2200	1.3322	2200 W	220V / 50 Hz	1803.28

Putere motor	2200 W
Turatii in gol	15000 rpm
Debit	6.5 l/min
Debit maxim	8 l/min
Presiune maxima	160 Bar
Presiune de lucru	110 Bar
Presiune maxima intrare apa	5 Bar
Protectie	IPX5
Lungime cablu	5 m
Furtun	5 m
Greutate	8,7 kg

HL 2700 B IND NOU

Aparat de spalat cu inalta presiune 2500 W

AVANTAJELE PRODUSULUI

• curatator de inalta presiune cu motor de inductie.
• Total Sop System (TSS). Opreste automat pompa la eliberarea declansatorului pentru a evita deteriorarea sculei.
• regulator debit de sapun.
• rezervor de sapun încorporat.
• furtun de inalta presiune 5m.
• tambur de furtun incorporat
• cablu 5 m.

DOTAREA STANDARD

• pistol cu blocare intrerupator de siguranta
• lance turbo metalica
• lance Vario metalica
• filtru de apa



STAYER | MOTOR INDUCCIÓN | TSS | PRESSURE REGULATOR | COMPONENTS Al MADE OF ALUMINUM

HL 2700 B IND	1.3323	2500 W	220V / 50 Hz	3688.52

Putere motor	2500 W
Turatii in gol	2800 rpm
Debit	7.5 l/min
Debit maxim	9 l/min
Presiune maxima	160 Bar
Presiune de lucru	140 Bar
Presiune maxima intrare apa	4 Bar
Protectie	IPX5
Lungime cablu	5 m
Furtun	5 m
Greutate	21,3 kg



APARATE SUDURA

STE este divizia care se ocupa cu productia si comercializarea de invertoare si accesorii de sudura. Cunoasterea profunda a proceselor si tehnologiilor de sudare, atentia la nevoile comerciantilor cu amanuntul si a utilizatorilor finali si constientizarea problemelor pietei sunt fundamentele care sustin oferta noastra de game de taiere MMA, Mig, Tig si Plasma.

Producator de aparate de sudat din 1969.
Motto-ul nostru este: „Masini fiabile realizate tehnic si la un pret competitiv". In primul rand, aceasta înseamna o investitie continua in dezvoltare, teste intensive, organizare competitiva a lucratorilor si asistenta cuprinzatoare pentru servicii.
Toate masinile Iskra VARJENJE sunt dezvoltate intern cu scopul de a indeplini cererile clientilor nostri.

STAYER WELDING

Iskra VARJENJE

Metoda de sudura	Metal				
	Otel pentru constructii	Otel inoxidabil	Titan	Aluminiu si aliaje din aluminiu	Sudura MIG
MIG-MAG	■	■	–	■	■
MIG Pulse	■	■	–	■	–
TIG AC	–	–	–	■	–
TIG DC	■	■	■	–	–
MMA DC	■	■	–	–	–
PLASMA	■	■	■	■	–



Aparate de sudura 629

Masti de sudura 636



CITYWORK 160 B GEK

NOU

Invertor sudura MMA 100A

AVATAJELE PRODUSULUI

- *echipamente invertor cu 100% Duty Cycle la 30ºC, dimensiuni reduse si performanta ridicata*
- *microprocesor STM 32 F103 cu 32 de biti cu sistem de operare de mare viteza, in timp real datorita software-ului exclusiv STAYER*
- *potrivit pentru electrozi: bazic, rutilic, INOX,celulozic si fonta*
- *ușor de utilizat, cu Hot Start (aprindere usoara a arcului), arc force (pentru un arc stabil) si anti stick (pentru a evita blocarea electrozilor)*
- *pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%.*
- *proiectat si produs conform reglementarilor europene 2014/35/UE, 2014/30/EU și 2011/65/UE care garantează un design sigur si solid.*



STAYER WELDING

EXCLUSIVE STAYER SOFTWARE 32 Bits RTOS MICROPROCESSOR

CARRY CASE PE-HD INCLUDED | Ru | Bas | ANTI STICK | ARC FORCE | HOT START

CITYWORK 160 B GEK	1.3234	1311.48
Curent	160 A	
Tensiune de alimentare	230 V	
Ciclu de functionare	100 %	
Electrozi	1.6 - 4.0 mm	
Generator recomandat	7 KVA / 230V ±17%	
Dimensiuni	25 x 15 x 10 cm	
Greutate	2.7 kg	
Conector DINSE	3/8" (10 - 25) ø	
Cablu de alimentare	1.8 m x 1.5 mm²	
Cablu + cleste de impamantare	1.5 m - 16 mm²	
Cablu + cleste electrod	1.5 m - 16 mm²	
Ciocan / Perie	✓	
Cutie transport	✓	





SUPER PLUS 120 GE K

Invertor de sudura MMA 120 A

AVANTAJELE PRODUSULUI

- *cele mai vandute echipamente de sudare cu invertor STAYER*
- *ciclu de lucru profesional cu dimensiuni reduse*
- *microprocesor de ultima generatie actualizat in 2021, oferind stabilitate si precizie pentru sudarea cu electrozi acoperiti*
- *componente de inalta calitate, ventilatie ranforsata si software exclusiv STAYER pentru cea mai buna performanta*
- *IGBT de ultima generatie, condensatoare supradimensionate si disipare imbunatatita a caldurii pentru a atinge performanta maxima cu dimensiuni reduse*
- *design compact si robust, structura ranforsata protejata impotriva loviturilor*
- *potrivit pentru urmatorii electrozi: rutilici, basici, inox si fonta*
- *usor de utilizat, cu Hot Start (aprindere usoara a arcului), force arc (pentru un arc stabil) si anti-stick (pentru a evita electrozii blocati)*
- *pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%*
- *proiectat si produs conform reglementarilor europene 2014/35/UE, 2014/30/EU si 2011/65/UE care garanteaza un design sigur si solid*





STAYER WELDING

EXCLUSIVE STAYER SOFTWARE 32 Bits RTOS MICROPROCESSOR

CARRY CASE PE-HD INCLUDED | Ru | Bas | ANTI STICK | ARC FORCE | HOT START

SUPER PLUS 120 GEK	1.2376	1900	1229.51
Curent sudura	120 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare (30ºC)	100%		
Electrozi	1.6 - 3,2 mm		
Generator recomandat	2.5 - 5 KVA / 230V ±17%		
Dimensiuni	23 x 15.5 x 9 cm		
Greutate	1.9 kg		
Conector DINSE	3/8" (10 - 25) ø		
Cablu de alimentare	2.0 m x 1.5 mm²		
Cablu + cleste de impamantare	1.5 m - 10 mm²		
Cablu + cleste electrod	2.5 m - 10 mm²		
Ciocan / Perie	✓		
Geantă de transport	✓		

SUPER PLUS 140 GEK

Invertor de sudura MMA 140 A

AVANTAJELE PRODUSULUI

- *cele mai vandute echipamente de sudare cu invertor STAYER*
- *ciclu de lucru profesional cu dimensiuni reduse*
- *microprocesor de ultima generatie actualizat in 2021, oferind stabilitate si precizie pentru sudarea cu electrozi acoperiti*
- *componente de inalta calitate, ventilatie ranforsata si software exclusiv STAYER pentru cea mai buna performanta*
- *IGBT de ultima generatie, condensatoare supradimensionate si disipare imbunatatita a caldurii pentru a atinge performanta maxima cu dimensiuni reduse*
- *design compact si robust, structura ranforsata protejata impotriva loviturilor*
- *potrivit pentru urmatorii electrozi: rutilici, basici, inox si fonta*
- *usor de utilizat, cu Hot Start (aprindere usoara a arcului), force arc (pentru un arc stabil) si anti-stick (pentru a evita electrozii blocati)*
- *pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%*
- *proiectat si produs conform reglementarilor europene 2014/35/UE, 2014/30/EU si 2011/65/UE care garanteaza un design sigur si solid*





STAYER WELDING

EXCLUSIVE STAYER SOFTWARE 32 Bits RTOS MICROPROCESSOR

CARRY CASE PE-HD INCLUDED | Ru | Bas | ANTI STICK | ARC FORCE | HOT START

SUPER PLUS 140 GEK	1.2470	2200	1508.20
Curent sudura	140 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare (30ºC)	100%		
Electrozi	1.6 - 4.0 mm		
Generator recomandat	5 - 7 KVA / 230V ±17%		
Dimensiuni	24 x 15.5 x 9 cm		
Greutate	2.2 kg		
Conector DINSE	3/8" (10 - 25) ø		
Cablu de alimentare	2.0 m x 1.5 mm²		
Cablu + cleste de impamantare	1.5 m - 10 mm²		
Cablu + cleste electrod	2.5 m - 10 mm²		
Ciocan / Perie	✓		
Geantă de transport	✓		

SUPER PLUS 160 GEK

Invertor de sudura MMA 160 A

AVANTAJELE PRODUSULUI

- *cele mai vandute echipamente de sudare cu invertor STAYER*
- *ciclu de lucru profesional cu dimensiuni reduse*
- *microprocesor de ultima generatie actualizat in 2021, oferind stabilitate si precizie pentru sudarea cu electrozi acoperiti*
- *componente de inalta calitate, ventilatie ranforsata si software exclusiv STAYER pentru cea mai buna performanta*
- *IGBT de ultima generatie, condensatoare supradimensionate si disipare imbunatatita a caldurii pentru a atinge performanta maxima cu dimensiuni reduse*
- *design compact si robust, structura ranforsata protejata impotriva loviturilor*
- *potrivit pentru urmatorii electrozi: rutilici, basici, inox si fonta*
- *usor de utilizat, cu Hot Start (aprindere usoara a arcului), force arc (pentru un arc stabil) si anti-stick (pentru a evita electrozii blocati)*
- *pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%*
- *proiectat si produs conform reglementarilor europene 2014/35/UE, 2014/30/EU si 2011/65/UE care garanteaza un design sigur si solid*





STAYER WELDING

EXCLUSIVE STAYER SOFTWARE 32 Bits RTOS MICROPROCESSOR

CARRY CASE PE-HD INCLUDED | Ru | Bas | ANTI STICK | ARC FORCE | HOT START

SUPER PLUS 160 GEK	1.2381	2400	1557.38
Curent sudura	160 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare (30°C)	100%		
Electrozi	1.6 - 4.0 mm		
Generator recomandat	5 - 7 KVA / 230V ±17%		
Dimensiuni	24 x 15.5 x 9 cm		
Greutate	2.4 kg		
Conector DINSE	3/8" (10 - 25) ø		
Cablu de alimentare	2.0 m x 1.5 mm²		
Cablu + cleste de impamantare	1.5 m - 10 mm²		
Cablu + cleste electrod	2.5 m - 10 mm²		
Ciocan / Perie	✓		
Geantă de transport	✓		

SUPER PLUS 200 GE NOU

Invertor de sudura MMA 200 A

AVANTAJELE PRODUSULUI

- *cele mai vandute echipamente de sudare cu invertor STAYER*
- *ciclu de lucru profesional cu dimensiuni reduse*
- *microprocesor de ultima generatie actualizat in 2021, oferind stabilitate si precizie pentru sudarea cu electrozi acoperiti*
- *componente de inalta calitate, ventilatie ranforsata si software exclusiv STAYER pentru cea mai buna performanta*
- *IGBT de ultima generatie, condensatoare supradimensionate si disipare imbunatatita a caldurii pentru a atinge performanta maxima cu dimensiuni reduse*
- *design compact si robust, structura ranforsata protejata impotriva loviturilor*
- *potrivit pentru urmatorii electrozi: rutilici, basici, inox si fonta*
- *usor de utilizat, cu Hot Start (aprindere usoara a arcului), force arc (pentru un arc stabil) si anti-stick (pentru a evita electrozii blocati)*
- *pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%*
- *proiectat si produs conform reglementarilor europene 2014/35/UE, 2014/30/EU si 2011/65/UE care garanteaza un design sigur si solid*





STAYER WELDING

EXCLUSIVE STAYER SOFTWARE 32 Bits RTOS MICROPROCESSOR

CARRY CASE PE-HD INCLUDED | Ru | Bas | ANTI STICK | ARC FORCE | HOT START

SUPER PLUS 200 GE	1.2382	4800	1803.28
Curent sudura	200 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare (30°C)	45%		
Electrozi	1.6 - 5.0 mm		
Generator recomandat	5 - 9 KVA / 230V ±17%		
Dimensiuni	30 x 20 x 13 cm		
Greutate	4.8 kg		
Conector DINSE	1/2" (35 - 50) ø		
Cablu de alimentare	2.0 m x 2.5 mm²		
Cablu + cleste de impamantare	1.5 m - 25 mm²		
Cablu + cleste electrod	2.5 m - 25 mm²		
Ciocan / Perie	✓		

POTENZA 160 B GE K

Invertor de sudura MMA 160 A

AVANTAJELE PRODUSULUI

- *sudura in curent continuu INVERTOR*
- *pregatit pentru sudura TIG cu electrod de Tungsten si gaz inert (Argon)*
- *excelent pentru. suduri medii si grele / intretinere si constructii metalice*
- *dotat cu doi ventilalori pentru optimizarea racirii*
- *usor de sudat chiar si pentru neexperimentati datorita controlului electronic*
- *functii: HOT START, ARC FORCE, ANTI-STICK*
- *usor de transportat / maner pe aparat*
- *greutate redusa 5,0 kg*
- *factor de putere 100% (dutty cycle %)*
- *pregatit pentru sudura cu orice electrozi: bazic, rutilic, INOX, celulozic si fonta*
- *toate bobinajele si cablurile sunt din cupru 100%*
- *transformator mono-toroidal feritic autoprotejat 600V*





STAYER WELDING

CARRY CASE PE-HD INCLUDED | Ru | Bas | ANTI STICK | ARC FORCE | HOT START

POTENZA 160 B GE K	1.2616	2400	1639.34
Curent sudura	160 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare (30°C)	100%		
Electrozi	1.6 - 4.0 mm		
Generator recomandat	5 - 7 KVA / 230V ±17%		
Dimensiuni	28.5 x 20 x 12.5 cm		
Greutate	2.4 kg		
Conector DINSE	3/8" (10 - 25) ø		
Cablu de alimentare	2.0 m x 1.5 mm²		
Cablu + cleste de impamantare	1.5 m - 10 mm²		
Cablu + cleste electrod	2.5 m - 10 mm²		
Ciocan / Perie	✓		
Geanta de transport	✓		

POTENZA 200 GE

Invertor de sudura MMA 200 A

AVANTAJELE PRODUSULUI

• echipamente Invertor de inalta performanta de 200 A, cu componente de calitate care garanteaza robustete maxima si precizie de sudare
• 60% ciclu de lucru
• protejat impotriva variatiilor de temperatura si tensiune
• potrivit pentru electrozi de 5 mm
• potrivit pentru urmatorii electrozi: rutilici, bazici, celulozici, inox si fonta
• microprocesor pe 32 de biti, inclusiv software-ul de control inteligent STAYER
• timpi mari de raspuns datorita IGBT-urilor de ultima generatie si software-ului actualizat
• conectori DINSE 1/2" pentru putere maxima de iesire
• usor de utilizat, cu Hot Start (aprindere usoara a arcului), force arc (pentru un arc stabil) si Anti-Stick (pentru a evita electrozii blocati)
• pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%





STAYER WELDING

Ru | Bas | ANTI STICK | ARC FORCE | HOT START

POTENZA 200 GE	**2.287**	6000	**2213.11**
Curent sudura	200 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare (30ºC)	60%		
Electrozi	1.6 - 5.0 mm		
Generator recomandat	7 - 9 KVA / 230V ±17%		
Dimensiuni	42 x 30 x 14 cm		
Greutate	6.0 kg		
Conector DINSE	1/2" (35 - 50) ø		
Cablu de alimentare	2.0 m x 2.5 mm²		
Cablu + cleste de impamantare	2.0 m - 25 mm²		
Cablu + cleste electrod	3.0 m - 25 mm²		

PROGRESS 2021 GE K — NOU

Invertor de sudura MMA 200 A

AVANTAJELE PRODUSULUI

• echipament de sudare superior de 200 A, cu setari electronice sinergice pentru toate tipurile de electrozi, in special din aluminiu si TIG cu setari inteligente.
• configuratie sinergica bazata pe diametrul electrodului de pana la 5 mm - potrivit pentru toate tipurile de electrozi.
• componente de ultimă generatie, IGBT-uri de calitate maxima si design intern imbunatatit cu racire silentioasa
• 4 punți de diode, pentru o mai mare stabilitate si putere.
• panou de control gestionat de software-ul STAYER, cu reglare sinergică a amperajului pe baza diametrului electrodului, Arc Force & Hot Start configurabil, VRD pentru sudare in siguranta si mod TIG Lift Arc.
• modul inteligent Synergic TIG PRO, conectand o torta TIG, grupul este setat la TIG Lift Arc cu arc curat de calitate.
• special pentru electrozi din aluminiu.
• VRD reglabil, dispozitiv de reducere a tensiunii pentru a mentine siguranta pe conectorii de grup conform IEC 60974, reducand tensiunea un medii umede si saline
• Anti Stick inteligent programat cu software-ul STAYER.
• proiectat si produs conform reglementarilor europene 2014/35/UE, 2014/30/EU ai 2011/65/UE
• pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%.





Ru | Bas | Cel | Al

TIG | SYNERGIC | VOLTAGE REDUCTION VRD DEVICE | CARRY CASE PE-HD INCLUDED

ANTI STICK | ARC FORCE ADJUSTABLE | HOT START ADJUSTABLE

STAYER WELDING

PROGRESS 2021 GE K	**1.2668**	5000	**2295.08**
Curent sudura	200 A		
Tensiune de alimentare	230 V		
Ciclu de functionare (30ºC)	100%		
Electrozi	1.6 - 5.0 mm		
Generator recomandat	7 - 9 KVA / 230V ±17%		
Dimensiuni	34.5 x 24 x 14 cm		
Greutate	5.0 kg		
Conector DINSE	1/2" (35-50) ø		
Cablu de alimentare	2.0 m x 2.5 mm²		
Cablu + cleste de impamantare	1.5 m - 25 mm²		
Cablu + cleste electrod	2.5 m - 25 mm²		
Ciocan / Perie	✓		
Geanta de transport	✓		

PROGRESS 2100 PFC (85 V - 265 V)

Invertor de sudura MMA 210 A

AVANTAJELE PRODUSULUI

• echipamente cu invertor multi voltaj (85-265Vac) cu consum redus datorita PFC si tehnologiei avansate.
• PFC, Power Factor Corrector pentru o utilizare optima a puterii de iesire, reducand drastic consumul electric.
• sudura de inalta calitate si eficienta cu toate tipurile de electrozi, inclusiv din aluminiu.
• interval mare de intrare permite lucrul in medii de 110V si 230V, rezistand supratensiunii si caderilor de tensiune, cu o performanta excelenta cu generatoare.
• potrivit pentru cabluri de prelungire de mare lungime: 250mts - 4mm² / 500mts - 6,0mm².
• setari pentru utilizare imbunatatita cu generatorul
• VRD reglabil, dispozitiv de reducere a tensiunii pentru a mentine siguranta pe conectorii de grup conform IEC 60974, reducand tensiunea in medii umede si saline.
• mod de sudare TIG, pentru TIG Lift Arc cu arc curat de calitate
• regulator automat al ventilatorului, evitand zgomotul in timp ce creste durata de viata a grupului



Ru | Bas | Cel | Al

CARRY CASE PE-HD INCLUDED | POWER FACTOR PFC CORRECTOR | TIG | VOLTAGE REDUCTION VRD DEVICE

ANTI STICK | ARC FORCE | HOT START

STAYER WELDING

PROGRESS 2100 PFC	**1.1363**	5000	**4508.20**
Curent sudura	210 A		
Tensiune de alimentare	230 V		
Ciclu de functionare (30ºC)	100%		
Electrozi	1.6 - 6.0 mm		
Generator recomandat	7,2 KVA / 230V ±17%		
Dimensiuni	41 x 24 x 14.5 cm		
Greutate	8.4 kg		
Conector DINSE	1/2" (35-50) ø		
Cablu de alimentare	3.0 m x 3.0 mm²		
Cablu + cleste de impamantare	2.0 m - 25 mm²		
Cablu + cleste electrod	2.5 m - 25 mm²		
Ciocan / Perie	✓		
Geanta de transport	✓		

S 400 BT

Invertor de sudura MMA 400 A

AVANTAJELE PRODUSULUI

- *sudarea electrozilor de pana la ø 8 mm.*
- *setari reglabile Arc Force si Hot Start pentru performante optime*
- *usor de utilizat, are Hot Start (aprindere usoara a arcului), Arc Force (stabilizare a arcului) si Anti-Stick (previne lipirea electrodului) configurate automat de software-ul STAYER.*
- *sudeaza cu toti electrozii, inclusiv: rutil, bazic, celulozic, de inalta performanta, fonta, INOX*
- *calitate inalta: structura dubla 100% metal pentru lucrari grele, roti si componente din otel.*
- *proiectat si produs in conformitate cu reglementarile europene 2014/35/UE, 2014/30/UE si 2011/65/UE.*
- *pregatit pentru utilizarea cu generatoare stabilizate, cu o abatere a tensiunii de intrare de +/-17%*





STAYER WELDING

Ru | Bas | Cel

TIG | ANTI STICK | ARC FORCE ADJUSTABLE | HOT START ADJUSTABLE

S 400 BT	1.1750	7868.85
Curent sudura	400 A	
Tensiune de alimentare	400 V	
Ciclu de functionare	60%	
Electrozi	1.6 - 8.0 mm	
Generator recomandat	20 KVA / 230V ±17%	
Dimensiuni	63 x 47 x 33 cm	
Greutate	23.0 kg	
Conector DINSE	1/2" (35 - 50)" ø	
Cablu de alimentare	2.0 m x 4.0 mm²	
Cablu + cleste de impamantare	3.0 m - 50 mm²	
Cablu + cleste electrod	3.0 m - 50 mm²	

POTENZA TIG 170 HF GE K — NOU

Invertor de sudura TIG HF 170 A

AVANTAJELE PRODUSULUI

- *echipament de sudare TIG, pentru sudare grele din otel carbon, otel inoxidabil, titan si aliaje. Potrivit pentru electrozi acoperiti pana la 170 de amperi*
- *TIG foarte productiv, arc de înaltă frecvență HF.*
- *Control Power & Argon post flux.*
- *structura metalica robusta ranforsata.*
- *electrozi acoperiti pana la 4 mm*
- *usor de utilizat, cu Hot Start (aprindere usoara a arcului), Arc Force (pentru un arc stabil) si Anti-Stick (pentru a evita electrozii blocati) reglate automat de software-ul STAYER.*
- *pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%.*





STAYER WELDING

CARRY CASE PE-HD INCLUDED | TIG HF | ANTI STICK | ARC FORCE | HOT START

POTENZA TIG 170 HF GE K	1.3384	5000	3032.79
Putere de iesire	170 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare	60 %		
Electrozi acoperiți	1.6 - 4 mm		
Electrozi de wolfram	3.25 mm		
Utilizarea generatorului	4 - 6 KVA / 230V ±17%		
Dimensiuni	46 x 27 x 14.5 cm		
Greutate	5 kg		
Conector DINSE	1/2" (35 - 50) ø		
Cablu de alimentare	2m x 2.5 mm²		
Cablu + cleste de impamantare	2m - 25 mm²		
Cablu + cleste electrod	3m - 25 mm²		
Torta TIG HF	4 m		
Accesorii lanterne	✓		
Furtun de gaz	✓		
Geanta de transport	✓		

TIG DC 200 HF B P — NOU

Invertor de sudura TIG DC 200 HF B P

AVANTAJELE PRODUSULUI

- *echipament de sudare TIG, pentru sudare grele din otel carbon, otel inoxidabil, titan si aliaje. Potrivit pentru electrozi acoperiti pana la 170 de amperi*
- *TIG foarte productiv, arc de înaltă frecvență HF.*
- *Control Power & Argon post flux.*
- *structura metalica robusta ranforsata.*
- *electrozi acoperiti pana la 4 mm*
- *usor de utilizat, cu Hot Start (aprindere usoara a arcului), Arc Force (pentru un arc stabil) si Anti-Stick (pentru a evita electrozii blocati) reglate automat de software-ul STAYER.*
- *pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%.*





STAYER WELDING

TIG HF

TIG DC 200 HF B P	1.2886	11000	5245.90
Putere de iesire	200 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare	60 %		
Electrozi acoperiți	1.6 - 4 mm		
Electrozi de wolfram	3.25 mm		
Utilizarea generatorului	9 KVA / 230V ±17%		
Dimensiuni	- cm		
Greutate	11 kg		
Conector DINSE	1/2" (35 - 50) ø		
Cablu de alimentare	2m x 2.5 mm²		
Cablu + cleste de impamantare	2m x 25 mm²		
Cablu + cleste electrod	2m x 25 mm²		
Torta TIG HF	4 m x 16 mm²		
Accesorii lanterne	✓		
Furtun de gaz	✓		
Geanta de transport	✓		

TIG AC/DC 180 HF PULSED

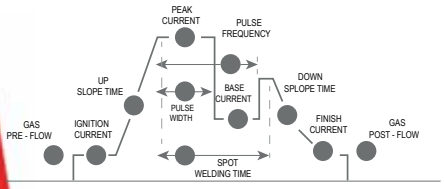
NOU

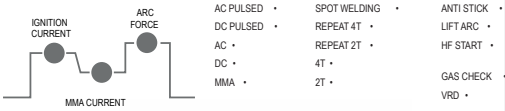
Aparat de sudura TIG AC/DC 180 HF PULSED

AVANTAJELE PRODUSULUI

- *echipament profesional de sudura TIG, cu 60% ciclu de lucru si 200 Amperi, special potrivit pentru inox, aluminiu, aliaje si toate tipurile de oteluri.*
- *panou de control intuitiv gestionat de microprocesor cu software STAYER.*
- *setari profesionale ale HF-HV (inalta frecventa / inaltă tensiune) 2T/4T, mod optional de control DC, mod puls, control AC, control rampă si gaz, debit si post debit. Sudarea prin puncte cu si fara repetare.*
- *structura metalica robusta ranforsata, componente de calitate, filtru EMI de ultima generatie si sistem dublu de ventilatie.*
- *pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%.*







AC PULSED • DC PULSED • AC • DC • MMA •

SPOT WELDING • REPEAT 4T • REPEAT 2T • 4T • 2T •

ANTI STICK • LIFT ARC • HF START • GAS CHECK • VRD •





STAYER WELDING

AI | SPOT | TIG HF | PULSED

TIG AC/DC 180 HF PULSED	**1.2887**	14000	**6803.28**
Putere de iesire	200 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare	60 %		
Electrozi acoperiți	1.6 - 6 mm		
Electrozi de wolfram	3.25 mm		
Utilizarea generatorului	9 KVA / 230V ±17%		
Dimensiuni	- cm		
Greutate	13 kg		
Conector DINSE	1/2" (35 - 50) ø		
Cablu de alimentare	2m x 2.5 mm²		
Torta TIG HF	4m x 16 mm²		
Accesorii lanterne	✓		
Furtun de gaz	✓		

MIG 131 MULTI

NOU

Aparat de sudura FLUX CORE WELDER - 120A

AVANTAJELE PRODUSULUI

- *echipament de sudura cu Fundent Center Arc Welding FCAW (miez de flux, cu Torta incorporata). STAYER MIG MULTI LINE, potrivit pentru electrozi acoperiți.*
- *grup ușor și multifuncțional pentru sudarea sârmei cu lanternă încorporată pentru bobine de până la 1 kg fără gaz.*
- *configurație est și cu moduri de sudare pentru miez de flux de 0,9 mm și 1 mm și electrod acoperit, cu un singur buton.*
- *setări profesionale, sinergice pentru viteza firului și puterea de ieșire cu timpi de răspuns rapid, sincronizând ambele valori.*
- *configurare usoara fara a fi necesare rezervoare de gaz datorita Flux Core, instrument flexibil si versatil.*
- *design compact, cu maner de transport si greutate redusa, potrivit pentru uz casnic cu limita de admisie de 16A.*
- *tehnologie IGBT bazata pe un microprocesor de ultima generatie capabil sa utilizeze pana la 120 de Amperi.*
- *pregătit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%.*
- *proiectat și produs conform reglementărilor europene 2014/35/UE, 2014/30/EU și 2011/65/UE care garantează un design sigur și solid*



STAYER WELDING

SYNERGIC | FLUX

MIG 131 MULTI	**1.2687**	27000	**1967.21**
Putere de iesire	120 A		
Tensiune de alimentare	230 V		
Ciclu de funcționare	30 %		
Electrozi acoperiti	1.6 - 3.2 mm		
Grosimea firului	0.9 mm		
Greutatea bobinei	0.5 - 1 kg		
Generator recomandat	2.5 - 5 KVA / 230V ±17%		
Dimensiuni	31.5 x 25.5 x 13.5 cm		
Greutate	2.5 kg		
Conector DINSE	3.8" (10 - 25) ø		
Cablu de alimentare	2		
Cablu + cleste de împământare	2.5m - 10 mm²		
Cablu + cleste electrod	2.5m - 10 mm²		
Torta sarmă	✓		

MIG 165 MULTI

NOU

Invertor de sudura MIG MULTI LINE / MIG - MAG 160 A

AVANTAJELE PRODUSULUI

- *proiectat pentru sudare MIG, TIG si MMA de inalta calitate.*
- *setari MIG usoare, configuratie usoara pentru sudarea flux*
- *cu gaz, conectati lanterna la polul pozitiv (+).*
- *cu miez de flux, conectati torta la polul negativ (-).*
- *setari eficiente si simple ale firului cu 2 butoane: unul pentru viteza si altul pentru tensiune. Un comutator permite diferite moduri de lucru fir (MIG) & Electrod (MMA) & TIG.*
- *protejat impotriva temperaturilor ridicate si supratensiunii.*
- *complet echipat cu torte, role, impamantare si clesti pentru electrozi*
- *tehnologie IGBT bazata pe un microprocesor de ultima generatie capabil sa utilizeze pana la 160-170 Amperi.*
- *portabil si robust: compact, greutate redusa datorita circuitelor invertorului. Componente supradimensionate de calitate.*
- *MIG 160 pentru bobine de la 0,5 la 1Kg.*
- *MIG165 / 170 pentru bobine de la 0,5 la 5Kg.*
- *pregatit pentru utilizare generatoare stabilizate, cu o abatere de intrare a tensiunii de +/-17%.*
- *proiectat si produs conform reglementarilor europene 2014/35/UE, 2014/30/EU si 2011/65/UE care garanteaza un design sigur si robust*





STAYER WELDING

FLUX | TIG | SYNERGIC

MIG 165 MULTI	**1.2688**	13000	**3278.69**
Putere de iesire	160 A		
Tensiune de alimentare	230 V		
Ciclu de functionare	60 %		
Electrozi acoperiti	1.6 - 4 mm		
Grosimea firului	0.6 - 1.0 mm		
Greutatea bobinei	0.5 - 1 - 5 kg		
Generator recomandat	7 KVA / 230V ±17%		
Dimensiuni	42 x 31 x 18 cm		
Greutate	13.0 kg		
Conector DINSE	3/8" (10 - 25) ø		
Cablu de alimentare	2.0 m x 2.5 mm²		
Cablu + cleste de impamantare	1.5 m - 16 mm²		
Cablu + cleste electrod	2.5 m - 16 mm²		
Torta MIG	15 AK		
Varfuri de contact incluse	1.0 mm		
Role incluse	0.8 - 1.0 mm		

MIG 200 MULTI

Invertor de sudura MIG MULTI LINE / MIG - MAG 200 A

AVANTAJELE PRODUSULUI

- *sudura continua MIG/MAG, TIG si electrod*
- *capacitate rola pana la 15 kg*
- *mecanism puternic de alimentare cu sarma*
- *buton special pentru alimentare initiala usoara*
- *inversarea polaritatii usoara*
- *factor de putere 40% (dutty cycle %)*
- *pregatit pentru alimentare la generator*
- *pregatit pentru sudura cu orice electrozi: bazic, rutilic, INOX, celulozic si fonta*
- *toate bobinajele si cablurile sunt din cupru 100%*











STAYER WELDING

FLUX TIG SYNERGIC

MIG 200 MULTI	**1.739**	22000	**8852.46**
Putere de iesire	200 A		
Tensiune de alimentare	230 V		
Ciclu de functionare	60 %		
Electrozi acoperiti	1.6 - 5.0 mm		
Grosimea firului	0.8 - 1.0 mm		
Greutatea bobinei	5 - 15 kg		
Generator recomandat	7 - 9 KVA / 230V ±17%		
Dimensiuni	51 x 42 x 32 cm		
Greutate	22 kg		
Conector DINSE	1/2" (35 - 50) ø		
Cablu de alimentare	3.5m x 2.5 mm²		
Cablu + cleste de impamantare	3m - 25 mm²		
Cablu + cleste electrod	3m - 25 mm²		
Torta MIG	15 AK		
Varfuri de contact incluse	0.8 mm		
Role incluse	0.8 - 1.0 mm		

iMIG 165 LA COMANDA NOU

Invertor sudura MIG 25% @ 160 A

suport bobina de 5 kg, 230 V, comenzi manuale

- *cel mai mic invertor ISKRA-VARJENJE, bazat pe sudare MIG, are o greutate redusa si este usor de operat.*
- *destinate reparatiilor la domiciliu si lucrarilor usoare pe teren, acestea dispun de sudare fara gaz FCW*
- *nu numai mobilitate, ci si performanta imbunatatita a sudarii in aer liber in conditii de vant este un beneficiu al sudarii cu sarma fara gaz*
- *alimentator de sarma de inalta calitate*
- *schimbarea polaritatii pentru sudarea fara gaz*
- *operare simpla*
- *suport pentru butelie de gaz de unica folosinta*
- *suport pentru bobina de 5 kg*

Set livrare:

- *torta MG 150, 3 m*
- *regulator de gaz cu 2 manometre*
- *cablu de retur, 3m*
- *furtun de gaz*







Iskra VARJENJE

	Curent sudare		
iMIG 165	10 - 165 A	12000	**3967.21**
Tensiune de alimentare	230 V, 50/60 Hz		
Siguranta	16 A		
Curent sudare	20 - 165 A		
Ciclu de functionare	100% - 80 A		
	60% - 100 A		
	20% - 160 A		
Diametru sarma sudura	0,6 - 0,8 mm (otel)		
Dimansiuni	400 x 290 x 310 mm		
Greutate	12 kg		



iMIG 210 multi LA COMANDA NOU

Invertor sudura MIG/TIG/MMA 20% @ 200 A

compact, 230 V, PFC, MIG/TIG/MMA, comenzi manuale

- *multifunctional MIG/TIG/MMA*
- *MIG 2-trepte-4-trepte*
- *alimentator de sarma de calitate 2 role*
- *schimbarea polaritatii pentru sudarea fara gaz*
- *conector central UE*
- *economie de energie PFC*
- *functia de trecere a firului*
- *potrivit pentru bobina de 15 kg*

Set livrare:

- *torta MG 150, 3 m*
- *regulator de gaz cu 2 manometre*
- *cablu de retur, 3m*
- *furtun de gaz*







Iskra VARJENJE

	Curent sudare		
iMIG 210 multi	20 - 200 A	25000	**7032.79**
Tensiune de alimentare	230 V, 50/60 Hz		
Siguranta	16 A		
Curent sudare MIG	20 - 200 A		
Curent sudare TIG	10 - 200 A		
Curent sudare MMA	20 - 185 A		
Tensiune mer in gol MIG	33 V		
Tensiune mer in gol TIG	5 V		
Tensiune mer in gol MMA	75 V		
Ciclu functionare MIG	100% - 110 A		
	60% - 160 A		
	35% - 200 A		
Ciclu functionare TIG	100% - 110 A		
	60% - 160 A		
	40% - 200 A		
Ciclu functionare MMA	100% - 100 A		
	60% - 140 A		
	25% - 185 A		
Diametru sarma sudura	0,6 - 0,8 mm (otel)		
Clasa protectie	IP 21		
Izolare	H		
Sistem racire	AF		
Dimansiuni	795 x 540 x 700 mm		
Greutate	25 kg		

iMIG 250 LA COMANDA NOU

Invertor sudura MIG 60% @ 250 A

compact, 3x 400V, MIG/MMA, afişaj dublu, comenzi manuale

- *aparat multifunctional MIG/MMA*
- *ecran TFT de 7 inchi*
- *alimentator de sarma cu 4 role*
- *modul in 2 trepte, 4 trepte si spot/interval*
- *programe de sudura pentru otel, inox, aluminiu si sarma cu miez flux*
- *selectarea tensiunii de sudare, curentului si grosimii materialului*
- *optiune de sudare cu electrozi acoperiti*
- *optiune de racire cu apa*



	Curent sudare		
iMIG 250	20 - 250 A	28000	**10295.08**
	Tensiune de alimentare	3 x 400 V	
	Siguranta	16 A	
	Curent sudare	30 - 250 A	
	Ciclu functionare	100% - 200 A	
		60% - 250 A	
	Diametru sarma sudura	0,8 - 1,2 mm (otel)	
	Dimansiuni	795 x 540 x 700 mm	
	Greutate	28 kg	

iMIG 300 LA COMANDA NOU

Invertor sudura MIG 40% @ 300 A

compact, 3x 400V, MIG/MMA, afişaj dublu, comenzi manuale

- *aparat multifunctional MIG/MMA*
- *ecran TFT de 7 inchi*
- *alimentator de sarma cu 4 role*
- *modul in 2 trepte, 4 trepte si spot/interval*
- *programe de sudura pentru otel, inox, aluminiu si sarma cu miez flux*
- *selectarea tensiunii de sudare, curentului si grosimii materialului*
- *optiune de sudare cu electrozi acoperiti*
- *optiune de racire cu apa*



	Curent sudare		
iMIG 300	30 - 300 A	28000	**10704.92**
	Tensiune de alimentare	3 x 400 V	
	Siguranta	16 A	
	Curent sudare	30 - 300 A	
	Ciclu functionare	100% - 200 A	
		60% - 250 A	
		40% - 300 A	
	Diametru sarma sudura	0,8 - 1,2 mm (otel)	
	Dimansiuni	795 x 540 x 700 mm	
	Greutate	28 kg	

iMIG 350 LA COMANDA NOU

Invertor sudura MIG 60% @ 350 A

compact, 3x400 V, afisaj dublu, comenzi manuale

- *linia Iskra de aparate de sudură iMIG a fost conceputa pentru a oferi sudare de calitate a otelului, aluminiului si otelului inoxidabil in orice mediu*
- *toate modelele au inductanta reglabila pentru o sudura optima chiar si atunci cand CO_2 pur este utilizat ca gaz de protectie.*
- *tehnologia invertorului ofera caracteristici excelente de sudare cu arc stabil si setare precisa*
- *controlul exceptional al arcului are ca rezultat un arc neted si fara stropire*
- *chiar si cu aluminiu si otel inoxidabil, sudura ramane curata si stabila*
- *interfata digitala ofera operatorului un control clar al tensiunii si curentului de sudare sau setare usoara prin grosimea materialului.*
- *parametrii avansati, cum ar fi arderea inapoi si rampa motorului, sunt configurati cu usurinta prin panoul de control*
- *programul de sudare pentru fiecare material ofera parametri prestabiliti ajustabili in functie de cerintele sudorului*
- *un mod complet manual este, de asemenea, la indemana*
- *optiune de sudare cu electrozi acoperiti*
- *optiune de racire cu apa*







Iskra
VARJENJE

	Curent sudare		
iMIG 350	30 - 350 A	33000	**15229.51**
	Tensiune de alimentare	3 x 400 V	
	Siguranta	16 A	
	Curent sudare	30 - 350 A	
	Ciclu functionare	100% - 250 A	
		60% - 350 A	
	Diametru sarma sudura	0,8 - 1,2 mm (otel)	
	Dimansiuni	795 x 540 x 700 mm	
	Greutate	33 kg	

iMIG 400 SC LA COMANDA NOU

Invertor sudura MIG 40% @ 400 A

compact, 3x 400V, MIG/MMA, afisaj dublu, comenzi sinergice

- *seria SC profi sunt aparate moderne de sudură MIG în care electronica avansată este combinată cu fiabilitatea unui transformator clasic*
- *la baza se afla un transformator robust din cupru, care asigura caracteristici de sudare de calitate si fiabilitate de neegalat*
- *pentru o operare usoara si rezultate bune la sudare există 2 afisaje digitale si programe de sudare pentru o serie de materiale.*
- *toate aparatele SC profi au alimentator de sarma cu 4 role, afisaj digital dublu si un suport pentru lanterna la indemana*
- *aparatele sunt usor de operat, operatorul trebuie doar sa seteze treapta de putere odata ce programul de sudare este ales*
- *pentru utilizatorii avansati sunt disponibile functii speciale, cum ar fi controlul arderii inapoi, cronometru spot, sudare pe intervale etc.*
- *optiune de sudare cu electrozi acoperiti*
- *optiune de racire cu apa*







Iskra
VARJENJE

	Curent sudare		
iMIG 400	30 - 400 A	33000	**14524.59**
	Tensiune de alimentare	3 x 400 V	
	Siguranta	25 A	
	Curent sudare	30 - 400 A	
	Ciclu functionare	100% - 250 A	
		60% - 350 A	
		40% - 400 A	
	Diametru sarma sudura	0,8 - 1,2 mm (otel)	
	Dimansiuni	795 x 540 x 700 mm	
	Greutate	33 kg	

AS - 1D

Masca automata de sudura

- *umbra reglabila EN169 de la DIN 9 la DIN 13.*
- *masca polimerica de inalta rezistenta*
- *conform 89/686/CE si EN 175 / EN 379*
- *alimentare cu energie prin celule solare cu circuit prin baterie AAA*
- *filtre de protectie economice inlocuibile impotriva stropilor si impactului*
- *ham de calitate cu banda de transpiratie si 3 ajustari ale pozitiei capului.*
- *ajustare profesionala a sensibilitatii la intuneric, intarziere la lumina si umbra de protectie*





AS - 1D	1.1841	440	295.08
Filtru	110 x 90 mm		
Zona de vedere	92 x 35 mm		
Protectie in modul de lumină	4 DIN		
Protectie in modul intunecat	9 / 13 DIN		
Protectie UV/IR	15 DIN		
Timp lumina > intuneric	1 / 20000 s		
Timp intuneric > lumina	0 s		
Sensibilitate reglabila	✓		
Temperatura de utilizare	-5 / + 55 °C		
Greutate	440 g		
Durata de viata a filtrului	2 ani		

AS - X

Masca automata de sudura

AVANTAJELE PRODUSULUI

- *pregatita si pentru polizare*
- *raspuns foarte rapid al filtrului reglabil intre 0,1-0,9s*
- *filtrul asigura protectie intre Nr. 9 si 13*
- *posibilitate reglaj de timp de intarziere de revenire la clar*
- *odihnitor pentru ochi*





AS - X	1.1059	500	426.23
Filtru	110 x 90 x 9 mm		
Zona de vedere	91 x 41 mm		
Protectie in modul de lumină	4 DIN		
Protectie in modul intunecat	9 / 13 DIN		
Protectie UV/IR	16 DIN		
Timp lumina > intuneric	1 / 25000 s		
Timp intuneric > lumina	0.2 / 0.8 s		
Sensibilitate reglabila	✓		
Temperatura de utilizare	-5 / + 55 °C		
Greutate	430 g		
Durata de viata a filtrului	2 ani		
Potrivita pentru polizare	✓		

AS - XL NOU

Masca automata de sudura

AVANTAJELE PRODUSULUI

- *special pentru TIG.*
- *suprafata mare de vizualizare: 100x60mm.*
- *4 senzori.*
- *alimentat cu energie solara.*
- *pregătit pentru măcinare.*
- *viteza de degajare reglabila.*
- *baterii reincarcabile.*





AS - XL	1.1386	500	737.70
Filtru	114 x 133 mm		
Zona de vedere	100 x 60 mm		
Protectie in modul de lumină	4 DIN		
Protectie in modul intunecat	5 - 9 / 9 / 13 DIN		
Protectie UV/IR	16 DIN		
Timp lumina > intuneric	1 / 30000 s		
Timp intuneric > lumina	0.2 / 0.8 s		
Sensibilitate reglabila	✓		
Temperatura de utilizare	-5 / + 55 °C		
Greutate	440 g		
Durata de viata a filtrului	2 ani		
Potrivita pentru polizare	✓		

AS - R NOU

Masca automata de sudura

- *umbra reglabila en 169 de la din 9 la din 13*
- *zona de vedere 92×35 mm*
- *mască polimerica de inalta rezistenta*
- *senzori cu arc dublu*
- *sursa de energie solara cu baterie de rezerva*





AS - R	1.1792	500	311.48
Filtru	110 x 90 x 8 mm		
Zona de vedere	92 x 35 mm		
Protectie in modul de lumină	4 DIN		
Protectie in modul intunecat	9 / 13 DIN		
Protectie UV/IR	15 DIN		
Timp lumina > intuneric	1 / 20000 s		
Timp intuneric > lumina	0.4 s		
Sensibilitate reglabila	X		
Temperatura de utilizare	-5 / + 55 °C		
Greutate	500 g		
Durata de viata a filtrului	2 ani		
Potrivita pentru polizare	✓		

CARNIVAL 1 (AUTO) NOU

Masca automata de sudura

- *umbra reglabila en 169 de la din 9 la din 13*
- *zona de vedere 92×35 mm*
- *mască polimerica de inalta rezistenta*
- *senzori cu arc dublu*
- *sursa de energie solara cu baterie de rezerva*





CARNIVAL 1 (AUTO)	1.2025	500	360.66
Filtru	110 x 90 x 8 mm		
Zona de vedere	92 x 35 mm		
Protectie in modul de lumină	4 DIN		
Protectie in modul intunecat	9 / 13 DIN		
Protectie UV/IR	15 DIN		
Timp lumina > intuneric	1 / 20000 s		
Timp intuneric > lumina	0.2 / 0.8 s		
Sensibilitate reglabila	✓		
Temperatura de utilizare	-5 / + 55 °C		
Greutate	500 g		
Durata de viata a filtrului	2 ani		
Potrivita pentru polizare	✓		

CARNIVAL 3 (FIRE) NOU

Masca automata de sudura

- *umbra reglabila en 169 de la din 9 la din 13*
- *zona de vedere 92×35 mm*
- *mască polimerica de inalta rezistenta*
- *senzori cu arc dublu*
- *sursa de energie solara cu baterie de rezerva*





CARNIVAL 3 (FIRE)	1.2024	500	360.66
Filtru	110 x 90 x 8 mm		
Zona de vedere	92 x 35 mm		
Protectie in modul de lumină	4 DIN		
Protectie in modul intunecat	9 / 13 DIN		
Protectie UV/IR	15 DIN		
Timp lumina > intuneric	1 / 20000 s		
Timp intuneric > lumina	0.2 / 0.8 s		
Sensibilitate reglabila	✓		
Temperatura de utilizare	-5 / + 55 °C		
Greutate	500 g		
Durata de viata a filtrului	2 ani		
Potrivita pentru polizare	✓		



SCULE PNEUMATICE

Maner ergonomic

Sculele pneumatice Unior au un maner ergonomic pentru o manipulare usoara, in timp ce carcasa lor robusta garanteaza o durata lunga de viata chiar si in cele mai dificile conditii de lucru. Calitatea superioara a materialelor si realizarea de mare precizie a mecanismului de antrenare garanteaza functionarea perfecta la moment de torsiune mare, in timp ce capetele de antrenare sunt tratate termic pentru a rezista la momente de torsiune mari si utilizare de lunga durata.

Executare eficienta

Datorita aerului comprimat, uneltele pneumatice Unior permit executarea de actiuni variate repede, eficient, simplu si in conditii de siguranta



Cele mai inalte standarde de siguranta

sculele pneumatice Unior se disting prin inalta lor calitate si functionarea in conditii de siguranta indeplinind cele mai inalte standarde de siguranta. Utilizarea lor simpla face sculele potrivite pentru uz domestic precum si pentru utilizatori profesionisti, care pot alege dintrogama variata de antrenoare pneumatice, ciocane pneumatice si seturi ce contin accesorii diferite.

Clichete reversibile pneumatice 1/4"	640
Clichete reversibile pneumatice 3/8"	640
Masini de insurubat pneumatice 3/8"	610
Clichete reversibile pneumatice 1/2"	610
Masini de insurubat pneumatice 1/2"	610
Masini de insurubat pneumatice 3/4"	643
Masini de insurubat pneumatice 1"	644
Masini de insurubat pneumatice 1.1/2"	645
Masini pneumatice de precizie	645
Pistol de insurubat pneumatic	648
Surubelnite pneumatice	648
Capsatoare pneumatice	649
Biaxuri pneumatice	649
Pistoale de gresat pneumatice	650
Polizoare si slefuitoare pneumatice	650
Daltuitoare pneumatice si accesorii	652
Fierastraie pneumatice	653
Nituitoare pneumatice	654
Pistoale pneumatice de curatat	654
Accesorii pneumatice	654
Scule pneumatice ATEX	657
Scule pneumatice subacvatice si ATEX	663

Cum se conecteaza sculele pneumatice Unior ?



presiune maxima aer: 9,5 Bar



Cum realizezi conectarea corecta a uneltei?

1506KN7	617795	1/4"	20
1506KN7	617796	3/8"	20
1506KZ7	617793	1/4"	20
1506KZ7	617794	3/8"	20
1506KZ10	621452	3/8"	24
1506KZ10	621453	1/2"	24
1506KZ10	621454	3/4"	27
1507Z7	617797	1/4"	14
1507Z7	617798	3/8"	19
1507Z7	618483	1/2"	22
1507Z10	621455	3/8"	17
1507Z10	621456	1/2"	24
1507Z10	621457	3/4"	27

- 1508A (617767)
- 1508B (617768)
- 1514 (615320)
- 1531 (615318)
- 1522 (627565)

- 1517 P (617728)
- 1517 S (617729)
- 1541 (615320)
- 1561 (615322)
- 1551 (615319)
- 1562 (615321)
- 1571 (615324)
- 1510 (617733, 617713)
- 1514 (617714, 617715)
- 1532 (627566)
- 1552 (627567)
- 1563 (627568)
- 1515 (617726)
- 1515 H (617727)
- 1516 (617731)
- 1516 A (617732)
- 1531 (615318)
- 1518 (617730)
- 1564 (627569)
- 1566 (627570)

- 1572 (615323)
- 1573 (627571)

- 1591 (615325)
- 1592 (615326)
- 1596 (617690)
- 1597 (617691)



Avertizare!

- Cititi instructiunile inainte de a utiliza unealta!
- Purtati întotdeauna echipament de protectie!

1522

Antrenor reversibil pneumatic 1/4"

- *rulment cu ace*
- *cap clichet robust*
- *rulment cu bile*
- *maner antialunecare*
- *regulator de aer model nou*
- *racord aer pivotant la 360°*
- *evacuare din spate*

Caracteristici tehnice:

- *turatie mers in gol: 200 rpm*
- *patrat de antrenare: 1/4"*
- *cuplu maxim: 41 Nm*
- *racord aer: 1/4"*
- *diametru recomandat furtun aer: 3/8"*
- *consum de aer: 113 l/min*
- *lungime: 196 mm*
- *greutate: 0,5 kg*
- *nivel de vibratii: 1,8 m/s²*
- *nivel de zgomot: 79 dB(A)*
- *presiune aer recomandata: 6,2 bar*

Utilizare

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*





		L					
627565	1/4"	196	41	520	1F	1	**893.28**

1531

Antrenor reversibil pneumatic 3/8"

- *viteza de rotatie 250 rot/min*
- *moment de torsiune max. 54 Nm*
- *presiunea maxima de aer comprimat:6, 2 Bar*
- *consum de aer comprimat 62 l/min*
- *racord de aer 1/4"*
- *capacitate maxima de strangere M 6*

Avantaje:

- *scula mica si compacta*
- *calitatea productiei*
- *maner rotitor*
- *reglare rapida si usoara a sensului de rotatie*
- *supapa de protectie previne intrarea necontrolata a aerului in scula*

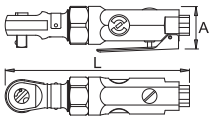
Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*





		A	L					
615318	3/8"	37	165	54	520	1F	1	**761.15**

1532

Antrenor reversibil pneumatic 3/8"

- *rulment cu ace*
- *cap clichet robust*
- *rulment cu bile*
- *maner antialunecare*
- *regulator de aer model nou*
- *racord aer pivotant la 360°*
- *evacuare din spate*

Caracteristici tehnice:

- *turatie mers in gol: 200 rpm*
- *patrat de antrenare: 3/8"*
- *cuplu maxim: 54 Nm*
- *racord aer: 1/4"*
- *diametru recomandat furtun aer: 3/8"*
- *consum de aer: 113 l/min*
- *lungime: 196 mm*
- *greutate: 0,5 kg*
- *nivel de vibratii: 1,8 m/s²*
- *nivel de zgomot: 79 dB*
- *presiune aer recomandata: 6,2 bar*

Utilizare

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*





		L					
627566	3/8"	196	54	500	1F	1	**912.95**

55839 NOU

Clichet pneumatic 1/4" 30 Nm 300 rpm

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*
- *reversibil*
- *evacuarea aerului reglabila*
- *dimensiuni mici pentru locuri inaccesibile*

Pre Comanda



	Cuplul de strangere		
55839	30 Nm / 22 ft-lb	500	**1531.91**
Cuplu maxim de strangere	30 Nm / 22 ft-lb		
Cuplu recomandat	30 Nm / 22 ft-lb		
Cuplu maxim de slabire	30 Nm / 22 ft-lb		
Pozitii imConsumul de aer	110 l/min		
Admisie	1/4"		
Nivelul de presiune a zgomotului	85,5 dBA		
Nivel de putere de zgomot	96,5 dBA		
Vibratii	7,3 m/s²		
Presiune de lucru	6,3 bari / 90 PSI		

55840 NOU

Clichet pneumatic 3/8" 68 Nm 175 rpm

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*
- *reversibil*
- *evacuarea aerului reglabila*
- *maner din poliuretan*

Pre Comanda



	Cuplul de strangere		
55840	68 Nm / 50 ft-lb	500	**1531.91**
Cuplu maxim de strangere	68 Nm / 50 ft-lb		
Cuplu recomandat	68 Nm / 50 ft-lb		
Cuplu maxim de slabire	68 Nm / 50 ft-lb		
Pozitii imConsumul de aer	80 l/min		
Admisie	1/4"		
Nivelul de presiune a zgomotului	82,8 dBA		
Nivel de putere de zgomot	93,8 dBA		
Vibratii	2,6 m/s²		
Presiune de lucru	6,3 bari / 90 PSI		

55841 NOU

Clichet pneumatic 1/2" 68 Nm 175 rpm

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*
- *reversibil*
- *evacuarea aerului reglabila*
- *maner din poliuretan*

Pre Comanda



	Cuplul de strangere		
55841	68 Nm / 50 ft-lb	500	**1914.70**
Cuplu maxim de strangere	68 Nm / 50 ft-lb		
Cuplu recomandat	68 Nm / 50 ft-lb		
Cuplu maxim de slabire	68 Nm / 50 ft-lb		
Pozitii imConsumul de aer	80 l/min		
Admisie	1/4"		
Nivelul de presiune a zgomotului	82,8 dBA		
Nivel de putere de zgomot	93,8 dBA		
Vibratii	2,8 m/s²		
Presiune de lucru	6,3 bari / 90 PSI		

1541

Pistol pneumatic 3/8"

- *viteza de rotatie 10000 rot/min*
- *moment de torsiune max. 271 Nm*
- *presiunea maxima de aer comprimat:6, 2 Bar*
- *consum de aer comprimat 70 l/min*
- *racord de aer 1/4"*
- *capacitate maxima de strangere M10*

Avantaje:

- *moment de torsiune controlat*
- *insurubare rapida*
- *o diversitate de utilizari*

Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*



UNIOR

		A	L					
615320	3/8"	175	139	271	1350	1F	1	**1467.54**

1551

Antrenor reversibil pneumatic 1/2"

- *viteza de rotatie 160 rot/min*
- *moment de torsiune max. 81 Nm*
- *presiunea maxima de aer comprimat:6, 2 Bar*
- *consum de aer comprimat 113 l/min*
- *racord de aer 1/4"*
- *capacitate maxima de strangere M10*

Avantaje:

- *scula mica si compacta*
- *calitatea productiei*
- *maner rotitor*
- *reglare rapida si usoara a sensului de rotatie*
- *supapa de protectie previne intrarea necontrolata a aerului in scula*

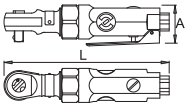
Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*





UNIOR

		A	L					
615319	1/2"	45	254	81	1370	1F	1	**1000.00**

1552

Antrenor reversibil pneumatic 1/2"

- *rulment cu ace*
- *cap clichet robust*
- *rulment cu bile*
- *maner antialunecare*
- *regulator de aer model nou*
- *racord aer pivotant la 360°*
- *evacuare din spate*

Caracteristici tehnice:

- *turatie mers in gol: 150 rpm*
- *patrat de antrenare: 1/2"*
- *cuplu maxim: 90 Nm*
- *racord aer: 1/4"*
- *diametru recomandat furtun aer: 3/8"*
- *consum de aer: 113 l/min*
- *lungime: 256 mm*
- *greutate: 1,2 kg*
- *nivel de vibratii: 2,6 m/s²*
- *nivel de zgomot: 79 dB*
- *presiune aer recomandata: 6,2 bar*

Utilizare

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*





UNIOR

		L					
627567	1/2"	256	90	1200	1F	1	**920.00**

55835

NOU

Masina de insurubat pneumatica cu impact 3/8" 610 Nm 11000 rpm

• cheile pneumatice cu impact EGA Master sunt proiectate pentru a furniza un cuplu ridicat cu efort minim din partea utilizatorului, in domenii precum reparatiile auto, intretinerea echipamentelor grele, constructia majora a ansamblului de produse si pentru orice loc in care este nevoie de un cuplu ridicat
• motor conceput pentru a preveni pierderile de putere
• rotor cu arc care ofera putere mare de iesire
• carcasa compozita si usoara
• supapa speciala dintr-o singura bucată proiectata pentru intretinere usoara
• orificiu de aer pivotant la 360° care permite operatorului să se miste liber
• zgomot redus
• declansator cu sensibilitate ridicata pentru o functionare lina
• cuplu de strangere exact in fiecare pozitie



Pro Comanda

COMPOSITE

EGA Master ART IN INNOVATION

	Cuplul de strangere		
55835	610 Nm / 450 ft-lb	2200	**3191.31**
	Cuplu maxim de strangere	610 Nm / 450 ft-lb	
	Cuplu maxim de slabire	610 Nm / 450 ft-lb	
	Consumul de aer	120 l/min	
	Admisie	1/4"	
	Nivelul de presiune a zgomotului	89,5 dBA	
	Nivel de putere de zgomot	100,5 dBA	
	Vibratii	5,4 m/s²	
	Presiune de lucru	6,3 bari / 90 PSI	

1563

Pistol pneumatic reversibil varianta Stubby 1/2"

- *carcasa motorului din material compozit*
- *evacuarea prin maner (amortizorul de zgomot)*
- *schimbarea directiei de mers cu o singura mana*
- *compact si puternic*

Caracteristici tehnice:

- *turatie mers in gol: 8000 rpm*
- *patrat de antrenare: 1/2"*
- *cuplu maxim: 745 Nm*
- *cuplu maxim desfacere: 1275 Nm*
- *racord aer: 1/4"*
- *diametru recomandat furtun aer: 3/8"*
- *consum de aer: 164 l/min*
- *lungime: 98 mm*
- *greutate: 1,11 kg*
- *nivel de vibratii: 7,3 m/s²*
- *nivel de zgomot: 104 dB*
- *presiune aer recomandata: 6,2 bar*

Utilizare

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*





UNIOR

		L					
627568	1/2"	98	745	1110	1F	1	**1245.08**

1564

Pistol pneumatic unghiular de impact 1/2"

- *carcasa motorului din aluminiu*
- *maner din material compozit*
- *mecanism Jumbo Hammer*
- *schimbarea sensului se realizeaza cu o singura mana*
- *evacuarea prin maner (amortizor de zgomot)*
- *compact si puternicic*

Caracteristici tehnice:

- *turatie mers in gol: 8000 rpm*
- *patrat de antrenare: 1/2"*
- *cuplu maxim: 343 Nm*
- *cuplu maxim desfacere: 536 Nm*
- *racord aer: 1/4"*
- *diametru recomandat furtun aer: 3/8"*
- *consum de aer: 113 l/min*
- *lungime: 88 mm*
- *greutate: 1,16 kg*
- *nivel de vibratii: 9,96 m/s²*
- *nivel de zgomot: 92 dB*
- *presiune aer recomandata: 6,2 bar*

Utilizare

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*





UNIOR

		L					
627569	1/2"	88	343	1160	1F	1	1556.07

1561

Pistol pneumatic 1/2"

- *viteza de rotatie 8000 rot/min*
- *moment de torsiune max. 814 Nm*
- *presiunea maxima de aer comprimat:6, 2 Bar*
- *consum de aer comprimat 113 l/min*
- *racord de aer 1/4"*
- *capacitate maxima de strangere M16*

Avantaje:

- *moment de torsiune controlat*
- *insurubare rapida*
- *o diversitate de utilizari*

Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*



UNIOR

		A	L					
615322	1/2"	190	188	814	2910	1F	1	1396.23

1565

Pistol pneumatic si set de capete chei tubulare 1/2" in cutie de plastic

- *Dimensiunea cutiei : 346 x 292 x 83*



UNIOR

615516	10 - 27 / 20	5600	1C	1	2894.26

1561 (1/2"), **231.4/4** (1/2" x 125, 1/2"x75), **231.8/4** (10 - 14, 15 - 32), **231/4 6p** (10, 13, 17, 19, 21, 22, 24, 27), **1374** (50ml), **231/4L 6p** (17, 19, 21, 22, 24, 27)

1566

Pistol pneumatic reversibil de impact cu turatie variabila 1/2"

- *carcasa motor din material compozit*
- *mecanism twin hammer*
- *schimbarea sensului se realizeaza cu o singura mana*
- *buton pentru schimbarea turatiei*

Caracteristici tehnice:

- *turatie mers in gol: 8000 rpm*
- *patrat de antrenare: 1/2"*
- *cuplu maxim: 1223 Nm*
- *cuplu maxim desfacere: 1756 Nm*
- *racord aer: 1/4"*
- *diametru recomandat furtun aer: 3/8"*
- *consum de aer: 113 l/min*
- *lungime: 187 mm*
- *greutate: 1,91 kg*
- *nivel de vibratii: 7.7 m/s²*
- *nivel de zgomot: 93 dB*
- *presiune aer recomandata: 6,2 bar*

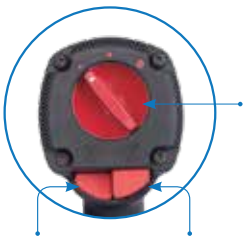
Utilizare

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*





Regulator aer
(3 trepte de viteza Inainte / Inapoi)

Inapoi ***Inainte***

schimbarea directiei de mers cu o singura mana



Amortizor pentru actionare silentioasa (optional)

UNIOR

		L					
627570	1/2"	187	1223	1191	1F	1	1478.52

1562

Pistol pneumatic 1/2"

- *viteza de rotatie 6500 rot/min*
- *moment de torsiune max. 949 Nm*
- *presiunea maxima de aer comprimat:6, 2 Bar*
- *consum de aer comprimat 124 l/min*
- *racord de aer 1/4"*
- *capacitate maxima de strangere M18*

Avantaje:

- *moment de torsiune controlat*
- *insurubare rapida*
- *o diversitate de utilizari*

Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*



	■	A	L					
615321	1/2"	192	204	949	2800	1F	1	**1757.38**

57667 NOU

Masina de insurubat pneumatica cu impact 1/2" 165 Nm 7500 rpm

• cheile pneumatice cu impact EGA Master sunt proiectate pentru a furniza un cuplu ridicat cu efort minim din partea utilizatorului, in domenii precum reparatiile auto, intretinerea echipamentelor grele, constructia majora a ansamblului de produse si pentru orice loc in care este nevoie de un cuplu ridicat
• motor conceput pentru a preveni pierderile de putere
• rotor cu arc care ofera putere mare de iesire
• carcasa compozita si usoara
• supapa speciala dintr-o singura bucată proiectata pentru intretinere usoara
• orificiu de aer pivotant la 360° care permite operatorului să se miste liber
• zgomot redus
• declansator cu sensibilitate ridicata pentru o functionare lina
• mecanismul cu ciocan dublu de inalta performanta oferă o putere excelenta si o durabilitate ridicata
• schimbarea usoara a directiei
• cuplu de strangere exact in fiecare pozitie



	Cuplul de strangere		
57667	165 Nm / 120 ft-lb	2200	**3829.74**
Cuplu maxim de strangere	165 Nm/120 ft-lb		
Cuplu maxim de slabire	880 Nm		
Pozitii implicite ale cuplului	4 + invers		
Cuplu strangere exact in fiecare pozitie	(90-110-135-165 Nm), (65-80-100-120 ft-lb)		
Consumul de aer	132 l/min		
Admisie	1/4"		
Nivelul de presiune a zgomotului	86,4 dBA		
Nivel de putere de zgomot	97,4 dBA		
Vibratii	5,8 m/s²		
Presiune de lucru	6,3 bari / 90 PSI		
Precizie	±10%		

55836 NOU

Masina de insurubat pneumatica cu impact 1/2" 680 Nm 11000 rpm

AVANTAJELE PRODUSULUI

• cheile pneumatice cu impact EGA Master sunt proiectate pentru a furniza un cuplu ridicat cu efort minim din partea utilizatorului, in domenii precum reparatiile auto, intretinerea echipamentelor grele, constructia majora a ansamblului de produse si pentru orice loc in care este nevoie de un cuplu ridicat
• motor conceput pentru a preveni pierderile de putere
• rotor cu arc care ofera putere mare de iesire
• carcasa compozita si usoara
• supapa speciala dintr-o singura bucată proiectata pentru intretinere usoara
• orificiu de aer pivotant la 360° care permite operatorului să se miste liber
• zgomot redus
• declansator cu sensibilitate ridicata pentru o functionare lina
• mecanismul cu ciocan dublu de inalta performanta oferă o putere excelenta si o durabilitate ridicata
• schimbarea usoara a directiei
• cuplu de strangere exact in fiecare pozitie



	Cuplul de strangere		
55836	680 Nm / 500 ft-lb	2200	**3191.31**
Cuplu maxim de strangere	680 Nm / 500 ft-lb		
Cuplu maxim de slabire	680 Nm / 500 ft-lb		
Pozitii imConsumul de aer	120 l/min		
Admisie	1/4"		
Nivelul de presiune a zgomotului	89,5 dBA		
Nivel de putere de zgomot	100,5 dBA		
Vibratii	5,2 m/s²		
Presiune de lucru	6,3 bari / 90 PSI		

55845 NOU

Masina de insurubat pneumatica cu impact 3/4" 1695 Nm 4000 rpm

AVANTAJELE PRODUSULUI

• cheile pneumatice cu impact EGA Master sunt proiectate pentru a furniza un cuplu ridicat cu efort minim din partea utilizatorului, in domenii precum reparatiile auto, intretinerea echipamentelor grele, constructia majora a ansamblului de produse si pentru orice loc in care este nevoie de un cuplu ridicat
• motor conceput pentru a preveni pierderile de putere
• rotor cu arc care ofera putere mare de iesire
• carcasa compozita si usoara
• supapa speciala dintr-o singura bucată proiectata pentru intretinere usoara
• orificiu de aer pivotant la 360° care permite operatorului să se miste liber
• zgomot redus
• declansator cu sensibilitate ridicata pentru o functionare lina
• mecanismul cu ciocan dublu de inalta performanta oferă o putere excelenta si o durabilitate ridicata
• schimbarea usoara a directiei
• cuplu de strangere exact in fiecare pozitie



	Cuplul de strangere		
55845	680 Nm / 500 ft-lb	2200	**7659.06**
Cuplu maxim de strangere	1560 Nm / 1150 ft-lb		
Cuplu maxim de slabire	1628 Nm/ 1200 ft-lb		
Pozitii imConsumul de aer	170 l/min		
Admisie	3/8"		
Nivelul de presiune a zgomotului	90,8 dBA		
Nivel de putere de zgomot	101,8 dBA		
Vibratii	5,3 m/s²		
Presiune de lucru	6,3 bari / 90 PSI		

1571

Pistol pneumatic 3/4"

- *viteza de rotatie 6500 rot/min*
- *moment de torsiune max. 1016 Nm*
- *presiunea maxima de aer comprimat:6, 2 Bar*
- *consum de aer comprimat 198 l/min*
- *racord de aer 1/4"*
- *capacitate maxima de strangere M 24*

Avantaje:

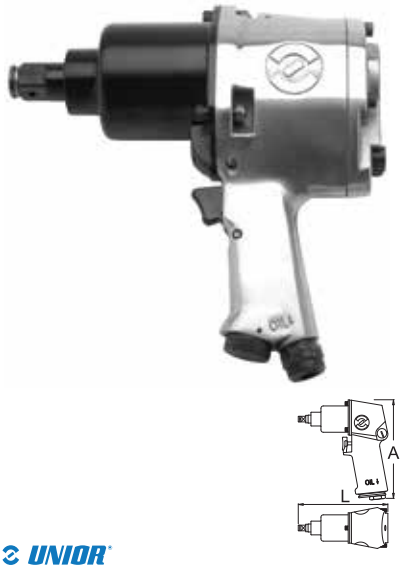
- *moment de torsiune controlat*
- *insurubare rapida*
- *o diversitate de utilizari*

Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*



	■	A	L					
615324	3/4"	240	236	1085	4550	1F	1	**3245.90**

1575

Pistol pneumatic si set de capete chei tubulare 3/4 " in cutie

- *Dimensiunea cutiei : 393 x 331 x 95*



617161	7	8330	1G	1	**4378.69**

1571 (3/4"), **232/4 6p** (19, 24, 27, 32, 36, 41)

1573

Pistol pneumatic reversibil de impact cu turatie variabila 3/4"

- *carcasa motor din material compozit*
- *mecanism twin hammer*
- *schimbarea sensului se realizeaza cu o singura mana*
- *buton pentru schimbarea turatiei*

Caracteristici tehnice:

- *turatie mers in gol: 5500 rpm*
- *patrat de antrenare: 3/4"*
- *cuplu maxim: 2034 Nm*
- *cuplu maxim desfacere: 3254 Nm*
- *racord aer: 3/8"*
- *diametru recomandat furtun aer: 1/2"*
- *consum de aer: 198 l/min*
- *lungime: 220 mm*
- *greutate: 3,44 kg*
- *nivel de vibratii: 11.6 m/s²*
- *nivel de zgomot: 93 dB*
- *presiune aer recomandata: 6,2 bar*

Utilizare

- *industria auto, industria aerospatiala, echipament agricol, industria grea, constructia de masini, industria de constructii navale, montari individuale*

Important

- *este recomandata folosirea capetelor de impact UNIOR*





Regulator aer
(3 trepte de viteza Inainte / Inapoi)

schimbarea directiei de mers cu o singura mana



Amortizor pentru actionare silentioasa (optional)

UNIOR

	■	L					
627571	3/4"	220	2034	3440	1F	1	**3112.30**

1591

Pistol pneumatic 1"

- *viteza de rotatie 4000 rot/min*
- *moment de torsiune max. 2439 Nm*
- *presiunea maxima de aer comprimat: 6, 2 Bar*
- *consum de aer comprimat 255 l/min*
- *racord de aer 1/2"*
- *capacitate maxima de strangere M 36*

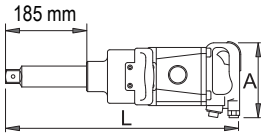
Avantaje:

- *moment de torsiune controlat*
- *insurubare rapida*
- *o diversitate de utilizari*

Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*





UNIOR

	■	A	L					
615325	1"	180	495	2439	13600	1F	1	**6471.80**

1592

Pistol pneumatic 1"

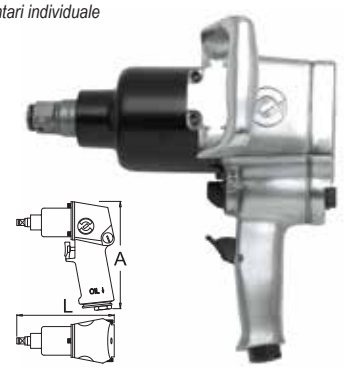
- *viteza de rotatie 4000 rot/min*
- *moment de torsiune max. 2439 Nm*
- *presiunea maxima de aer comprimat:6, 2 Bar*
- *consum de aer comprimat 255 l/min*
- *racord de aer 1/2"*
- *capacitate maxima de strangere M 36*

Avantaje:

- *moment de torsiune controlat*
- *insurubare rapida*
- *o diversitate de utilizari*

Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*



UNIOR

	■	A	L					
615326	1"	280	307	2439	12800	1F	1	**6471.8**

56053 NOU

Masina de insurubat pneumatica cu impact 1" 3900 Nm 4000 rpm, ax 2"

AVANTAJELE PRODUSULUI

- *cheile pneumatice cu impact EGA Master sunt proiectate pentru a furniza un cuplu ridicat cu efort minim din partea utilizatorului, in domenii precum reparatiile auto, intretinerea echipamentelor grele, constructia majora a ansamblului de produse si pentru orice loc in care este nevoie de un cuplu ridicat*
- *motor conceput pentru a preveni pierderile de putere*
- *rotor cu arc care ofera putere mare de iesire*
- *carcasa compozita si usoara*
- *supapa speciala dintr-o singura bucată proiectata pentru intretinere usoara*
- *orificiu de aer pivotant la 360° care permite operatorului să se miste liber*
- *zgomot redus*
- *declansator cu sensibilitate ridicata pentru o functionare lina*
- *mecanismul cu ciocan dublu de inalta performanta oferă o putere excelenta si o durabilitate ridicata*
- *schimbarea usoara a directiei*
- *cuplu de strangere exact in fiecare pozitie*



EGA Master ART IN INNOVATION

Pre Comanda

	Cuplul de strangere		
56053	3900 Nm / 2876 ft-lb	10600	**10889.13**
	Cuplu maxim de strangere	3300 Nm / 2435 ft-lb	
	Cuplu maxim de slabire	3900 Nm / 2878 ft-lb	
	Pozitii imConsumul de aer	182 l/min	
	Admisie	1/2"	
	Nivelul de presiune a zgomotului	98 dBA	
	Nivel de putere de zgomot	109 dBA	
	Vibratii	6,9 m/s²	
	Presiune de lucru	6,3 bari / 90 PSI	
	Nicovala extinsa	2"	

56054 NOU

Masina de insurubat pneumatica cu impact 1" 3900 Nm 4000 rpm, ax 8"

AVANTAJELE PRODUSULUI

- *cheile pneumatice cu impact EGA Master sunt proiectate pentru a furniza un cuplu ridicat cu efort minim din partea utilizatorului, in domenii precum reparatiile auto, intretinerea echipamentelor grele, constructia majora a ansamblului de produse si pentru orice loc in care este nevoie de un cuplu ridicat*
- *motor conceput pentru a preveni pierderile de putere*
- *rotor cu arc care ofera putere mare de iesire*
- *carcasa compozita si usoara*
- *supapa speciala dintr-o singura bucată proiectata pentru intretinere usoara*
- *orificiu de aer pivotant la 360° care permite operatorului să se miste liber*
- *zgomot redus*
- *declansator cu sensibilitate ridicata pentru o functionare lina*
- *mecanismul cu ciocan dublu de inalta performanta oferă o putere excelenta si o durabilitate ridicata*
- *schimbarea usoara a directiei*
- *cuplu de strangere exact in fiecare pozitie*



EGA Master ART IN INNOVATION

Pre Comanda

	Cuplul de strangere		
56054	3900 Nm / 2876 ft-lb	10600	**12637.51**
	Cuplu maxim de strangere	3300 Nm / 2435 ft-lb	
	Cuplu maxim de slabire	3900 Nm / 2878 ft-lb	
	Pozitii imConsumul de aer	182 l/min	
	Admisie	1/2"	
	Nivelul de presiune a zgomotului	98 dBA	
	Nivel de putere de zgomot	109 dBA	
	Vibratii	6,9 m/s²	
	Presiune de lucru	6,3 bari / 90 PSI	
	Nicovala extinsa	8"	

1597

Ciocan pneumatic reversibil 1.1/2"

- *viteza de rotatie 3000 rot/min*
- *moment de torsiune max.4065 Nm*
- *presiunea maxima de aer comprimat: 6,2 Bar*
- *consum de aer comprimat 435 l/min*
- *racord de aer 1/2"*
- *capacitate maxima surub (piulita) M52*

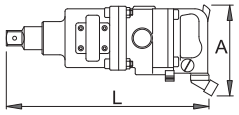
Avantaje:

- *moment de torsiune controlat*
- *insurubare rapida*
- *o diversitate de utilizari*

Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*





UNIOR

		A	L					
617691	1.1/2"	145	465	4065	18600	1F	1	**24478.20**

1596

Ciocan pneumatic reversibil 1.1/2"

- *viteza de rotatie 3000 rot/min*
- *moment de torsiune max.3388 Nm*
- *presiunea maxima de aer comprimat: 6,2 Bar*
- *consum de aer comprimat 410 l/min*
- *racord de aer 1/2"*
- *capacitate maxima surub (piulita) M45*

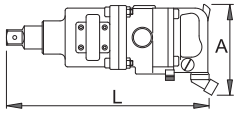
Avantaje:

- *moment de torsiune controlat*
- *insurubare rapida*
- *o diversitate de utilizari*

Utilizare

- *industria auto*
- *industria aerospatiala*
- *echipament agricol*
- *industria grea*
- *constructia de masini*
- *industria de constructii navale*
- *montari individuale*





UNIOR

		A	L					
617690	1.1/2"	145	550	3388	17800	1F	1	**18384.10**

NOU

Masina de insurubat pneumatica compacta la 90º cu hexagon 1/4" 4000 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION — Pre Comanda

	RPM	L	mm		
58990	4000	240	104x27x16.5	650	**6020.65**
58992	4000	310	172x27x16.5	750	**6978.09**

Putere	0.22 kW
Tutatii	4000 rpm
Consumul de aer	238 LPM (10 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	81,5 dBA

NOU

Masina de insurubat pneumatica compacta la 45º cu hexagon 1/4" 4000 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION — Pre Comanda

	RPM	L	mm		
58991	4000	260	120x31x16	650	**6020.65**
58993	4000	330	197x31x16	750	**6978.09**

Putere	0.22 kW
Tutatii	4000 rpm
Consumul de aer	283 LPM (10 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	81,5 dBA

NOU

Masina de insurubat pneumatica compacta la 90º cu hexagon 1/4" 3600 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION — Pre Comanda

	RPM	L	mm		
58994	3600	260	104x27x16.5	900	**7319.82**
58996	3600	330	172x27x16.5	1000	**8278.24**

Putere	0.37 kW
Tutatii	3600 rpm
Consumul de aer	368 LPM (13 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	80 dBA

NOU

Masina de insurubat pneumatica compacta la 45º cu hexagon 1/4" 3600 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION — Pre Comanda

	RPM	L	mm		
58995	3600	270	120x31x16	900	**7319.82**
58997	3600	350	197x31x16	1000	**8278.24**

Putere	0.37 kW
Tutatii	3600 rpm
Consumul de aer	368 LPM (13 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	80 dBA

NOU

Masina de insurubat pneumatica compacta la 90º cu mandrina 3 mm 1/8” 4000 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION

Pre Comanda

	RPM	L	mm		
59006	4000	240	104x69x16.5	750	**6636.28**
59008	4000	310	172x63x16.5	850	**7593.79**

Putere	0.22 kW
Tutatii	4000 rpm
Consumul de aer	238 LPM (10 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	81,5 dBA

NOU

Masina de insurubat pneumatica compacta la 45º cu mandrina 3 mm 1/8” 4000 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION

Pre Comanda

	RPM	L	mm		
59007	4000	260	144x55x16	750	**6020.65**
59009	4000	330	221x55x16	850	**6978.09**

Putere	0.22 kW
Tutatii	4000 rpm
Consumul de aer	283 LPM (10 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	81,5 dBA

NOU

Masina de insurubat pneumatica compacta la 90º cu bucsa 9/32” capacitate 5,9 mm - 3/16” 4000 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION

Pre Comanda

	RPM	L	mm		
58998	4000	240	104x31x16.5	650	**6225.89**
59000	4000	310	172x31x16.5	750	**7183.40**

Putere	0.22 kW
Tutatii	4000 rpm
Consumul de aer	238 LPM (10 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	81,5 dBA

NOU

Masina de insurubat pneumatica compacta la 90º cu mandrina 3 mm 1/8” 3600 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION

Pre Comanda

	RPM	L	mm		
59010	3600	260	104x69x16.5	950	**7935.52**
59012	3600	330	172x63x16.5	1050	**9099.27**

Putere	0.37 kW
Tutatii	3600 rpm
Consumul de aer	368 LPM (13 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	80 dBA

NOU

Masina de insurubat pneumatica compacta la 45º cu mandrina 3 mm 1/8” 3600 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION

Pre Comanda

	RPM	L	mm		
59011	3600	270	144x55x16	950	**7935.52**
59013	3600	350	221x55x16	1050	**8894.03**

Putere	0.37 kW
Tutatii	3600 rpm
Consumul de aer	368 LPM (13 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	80 dBA

NOU

Masina de insurubat pneumatica compacta la 90º cu bucsa 9/32” capacitate 5,9 mm - 3/16” 3600 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION

Pre Comanda

	RPM	L	mm		
59002	3600	260	104x31x16.5	850	**7525.13**
59004	3600	330	172x31x16.5	950	**8483.39**

Putere	0.37 kW
Tutatii	3600 rpm
Consumul de aer	368 LPM (13 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	80 dBA

NOU

Masina de insurubat pneumatica compacta la 45º cu bucsa 9/32" capacitate 5,9 mm - 3/16" 4000 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION

Pre Comanda

	RPM	L	mm		
58999	4000	260	121x32x16	650	**6225.89**
59001	4000	330	198x32.5xd16	750	**7183.40**

Putere	0.22 kW
Tutatii	4000 rpm
Consumul de aer	283 LPM (10 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	81,5 dBA

NOU

Masina de insurubat pneumatica compacta la 45º cu bucsa 9/32" capacitate 5,9 mm - 3/16" 3600 rpm

AVANTAJELE PRODUSULUI

- *carcasa metalica, rezistenta la zgarieturi*
- *maner din plastic moale si robust*
- *reversibila inversand parghia de langă tragaci*
- *vibratii reduse, prevenind oboseala mainii in timpul operatiunilor lungi*



EGA Master ART IN INNOVATION

Pre Comanda

	RPM	L	mm		
59003	3600	270	121x32x16	850	**7525.13**
59005	3600	350	198x32.5xd16	950	**8483.39**

Putere	0.37 kW
Tutatii	3600 rpm
Consumul de aer	368 LPM (13 CFM)
Racord aer	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Nivel de zgomot	80 dBA

58902 NOU

Masina de insurubat pneumatica cu strangere controlata 3/8; 1,2-2,4 Nm

AVANTAJELE PRODUSULUI

- *EGA Master produce o gama larga de scule pentru strangere controlata.*
- *noile masini pneumatice cu cuplu sunt proiectate pentru aplicatii in care este necesar un control precis al cuplului, chiar si in spatii inguste, oferind performanta maxima la fiecare lucrare*
- *corpul sculei extins pentru o operare confortabila si o forta de reactie mai mică*
- *reversibila, cu schimbarea sensului de rotatie*
- *gama larga de reglare a cuplului, de la 1,2 Nm la 70 Nm*
- *precizie ridicata: valoare CmK>1,33 ± 10% la modelele tip unghi si precizie +/- 3% la modelul tip maner pistol*
- *reglare confortabila si simpla a cuplului, economisire mai mare de timp*
- *modele de tip maner unghi si pistol*

ISO 5393

Pre Comanda



CE



EGA Master ART IN INNOVATION

	Cuplul de strangere		
58902	1,2-2,4 Nm	1200	**6804.46**

Cuplu strangere	1,2-2,4 Nm
Tutatii	1450 rpm
Consumul de aer	198 LPM (7 CFM)
Admisie	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Lungime	340 mm

58903 NOU

Masina de insurubat pneumatica cu strangere controlata 3/8; 2,2-4,3 Nm

AVANTAJELE PRODUSULUI

- *EGA Master produce o gama larga de scule pentru strangere controlata.*
- *noile masini pneumatice cu cuplu sunt proiectate pentru aplicatii in care este necesar un control precis al cuplului, chiar si in spatii inguste, oferind performanta maxima la fiecare lucrare*
- *corpul sculei extins pentru o operare confortabila si o forta de reactie mai mică*
- *reversibila, cu schimbarea sensului de rotatie*
- *gama larga de reglare a cuplului, de la 1,2 Nm la 70 Nm*
- *precizie ridicata: valoare CmK>1,33 ± 10% la modelele tip unghi si precizie +/- 3% la modelul tip maner pistol*
- *reglare confortabila si simpla a cuplului, economisire mai mare de timp*
- *modele de tip maner unghi si pistol*

ISO 5393

Pre Comanda



CE



EGA Master ART IN INNOVATION

	Cuplul de strangere		
58903	2,2-4,3 Nm	1200	**6804.46**

Cuplu strangere	2,2-4,3 Nm
Tutatii	800 rpm
Consumul de aer	198 LPM (7 CFM)
Admisie	1/4"
Vibratii	2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Lungime	340 mm

58913 NOU

Masina de insurubat pneumatica cu strangere controlata 3/8; 4-10 Nm

AVANTAJELE PRODUSULUI

- *EGA Master produce o gama larga de scule pentru strangere controlata.*
- *noile masini pneumatice cu cuplu sunt proiectate pentru aplicatii in care este necesar un control precis al cuplului, chiar si in spatii inguste, oferind performanta maxima la fiecare lucrare*
- *corpul sculei extins pentru o operare confortabila si o forta de reactie mai mică*
- *reversibila, cu schimbarea sensului de rotatie*
- *gama larga de reglare a cuplului, de la 1,2 Nm la 70 Nm*
- *precizie ridicata: valoare CmK>1,33 ± 10% la modelele tip unghi si precizie +/- 3% la modelul tip maner pistol*
- *reglare confortabila si simpla a cuplului, economisire mai mare de timp*
- *modele de tip maner unghi si pistol*

ISO 5393

Pre Comanda



CE



EGA Master ART IN INNOVATION

	Cuplul de strangere		
58913	4-10 Nm	1300	**10889.13**

Cuplu strangere	4-10 Nm
Tutatii	1450 rpm
Consumul de aer	198 LPM (7 CFM)
Admisie	1/4"
Vibratii	<2,5 m/s²
Presiune de lucru	6,3 bari / 90 PSI
Lungime	350 mm

58914 NOU

Masina de insurubat pneumatica cu strangere controlata 1/2; 10-40 Nm

AVANTAJELE PRODUSULUI

- *EGA Master produce o gama larga de scule pentru strangere controlata.*
- *noile masini pneumatice cu cuplu sunt proiectate pentru aplicatii in care este necesar un control precis al cuplului, chiar si in spatii inguste, oferind performanta maxima la fiecare lucrare*
- *corpul sculei extins pentru o operare confortabila si o forta de reactie mai mică*
- *reversibila, cu schimbarea sensului de rotatie*
- *gama larga de reglare a cuplului, de la 1,2 Nm la 70 Nm*
- *precizie ridicata: valoare CmK>1,33 ± 10% la modelele tip unghi si precizie +/- 3% la modelul tip maner pistol*
- *reglare confortabila si simpla a cuplului, economisire mai mare de timp*
- *modele de tip maner unghi si pistol*

ISO 5393

Pre Comanda



CE



EGA Master ART IN INNOVATION

	Cuplul de strangere		
58914	10-40 Nm	2400	**21964.14**

Cuplu strangere	10-40 Nm
Tutatii	280 rpm
Consumul de aer	283 LPM (10 CFM)
Admisie	1/4"
Vibratii	<2,5 m/s²
Presiune de lucru	5,9 bar / 85 PSI
Lungime	520 mm

58922 NOU

Masina de insurubat pneumatica cu strangere controlata 1/2; 35-70 Nm

AVANTAJELE PRODUSULUI

- *EGA Master produce o gama larga de scule pentru strangere controlata.*
- *noile masini pneumatice cu cuplu sunt proiectate pentru aplicatii in care este necesar un control precis al cuplului, chiar si in spatii inguste, oferind performanta maxima la fiecare lucrare*
- *corpul sculei extins pentru o operare confortabila si o forta de reactie mai mică*
- *reversibila, cu schimbarea sensului de rotatie*
- *gama larga de reglare a cuplului, de la 1,2 Nm la 70 Nm*
- *precizie ridicata: valoare CmK>1,33 ± 10% la modelele tip unghi si precizie +/- 3% la modelul tip maner pistol*
- *reglare confortabila si simpla a cuplului, economisire mai mare de timp*
- *modele de tip maner unghi si pistol*

ISO 5393

Pre Comanda



CE



EGA Master ART IN INNOVATION

	Cuplul de strangere		
58922	35-70 Nm	2400	**25086.01**
	Cuplu strangere	35-70 Nm	
	Tutatii	130 rpm	
	Consumul de aer	283 LPM (10 CFM)	
	Admisie	1/4"	
	Vibratii	<2,5 m/s²	
	Presiune de lucru	5,9 bar / 85 PSI	
	Lungime	520 mm	

58869 NOU

Pistol de insurubat pneumatic cu strangere controlata 3/8"; 5-28 Nm

AVANTAJELE PRODUSULUI

- *EGA Master produce o gama larga de scule pentru strangere controlata.*
- *noile masini pneumatice cu cuplu sunt proiectate pentru aplicatii in care este necesar un control precis al cuplului, chiar si in spatii inguste, oferind performanta maxima la fiecare lucrare*
- *corpul sculei extins pentru o operare confortabila si o forta de reactie mai mică*
- *reversibila, cu schimbarea sensului de rotatie*
- *gama larga de reglare a cuplului, de la 1,2 Nm la 70 Nm*
- *precizie ridicata: valoare CmK>1,33 ± 10% la modelele tip unghi si precizie +/- 3% la modelul tip maner pistol*
- *reglare confortabila si simpla a cuplului, economisire mai mare de timp*
- *modele de tip maner unghi si pistol*

ISO 5393



CE

Pre Comanda

EGA Master ART IN INNOVATION

	Cuplul de strangere		
58869	5-28 Nm	1200	**9181.81**
	Cuplu strangere	5-28 Nm	
	Tutatii	280 rpm	
	Consumul de aer	550 LPM (17,7 CFM)	
	Admisie	1/4"	
	Vibratii	<2,5 m/s²	
	Presiune de lucru	5,9 bar / 85 PSI	
	Dimensiuni	235x39x190 mm	

1515

Pistol de gaurire pneumatic

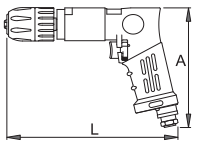
- *cu schimbarea sensului de rotatie*
- *viteza de rotatie 1800 rotatii/minut*
- *presiunea maxima de aer comprimat:6, 2 Bar*
- *consum de aer comprimat 113 l/min*
- *racord de aer 1/4"*
- *capacitate de prindere mandrina 1,0 - 10mm*
- *racord filetat 3/8", 24 UNF*
- *diametrul interior furtun 10mm*

Avantaje:

- *putere mare*
- *greutate mica, compact si usor de manevrat*
- *maner rotitor*
- *maner cu forma ergonomica pentru lucru fara efort*
- *maner protejat pentru micsorarea vibratiilor*
- *schimbare de sens*
- *sistem de schimbare rapida*







UNIOR

	L	A				
617726	190	150	1360	1F	1	**756.39**

1515H

Pistol pneumatic de gaurit cu maner lateral

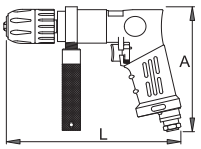
- *cu schimbarea sensului de rotatie*
- *viteza de rotatie 800 rotatii/minut*
- *presiunea maxima de aer comprimat:6, 2 Bar*
- *consum de aer comprimat 113 l/min*
- *racord de aer 1/4"*
- *capacitate de prindere mandrina 1,5 - 13mm*
- *racord filetat 3/8", 24 UNF*
- *diametrul interior furtun 10mm*

Avantaje:

- *putere mare*
- *greutate mica, compact si usor de manevrat*
- *maner reglabil pentru o prindere buna*
- *maner rotitor*
- *maner cu forma ergonomica pentru lucru fara efort*
- *maner protejat pentru micsorarea vibratiilor*
- *schimbare de sens*
- *sistem de schimbare rapida*







UNIOR

	L	A				
617727	220	150	1570	1F	1	**1216.56**

57071 NOU

Surubelnita pneumatica HEX 1/4" 13 Nm

AVANTAJELE PRODUSULUI

- *usor de utilizat datorita designului ergonomic si greutatii reduse*
- *nivel redus de zgomot*
- *consum redus de aer*
- *presiune de lucru de 6.3 bar*
- *declansator sensibil pentru o utilizare fina si precisa*
- *surubelnita dreapta cu regulator de viteza*
- *nivel redus de vibratii*
- *reversibila*
- *usor de utilizat cu o mana*



CE

Pre Comanda

EGA Master ART IN INNOVATION

	Cuplul de strangere		
57071	13 Nm	1100	**2181.41**
	Cuplu strangere	13 Nm	
	Tutatii	1800 rpm	
	Consumul de aer	113 LPM (4 CFM)	
	Admisie	1/4"	
	Vibratii	<2,5 m/s²	
	Presiune de lucru	6,3 bar / 85 PSI	
	Nivel de zgomot	104.9 dBA	

57070 NOU

Surubelnita pneumatica HEX 1/4" 5-13 Nm

AVANTAJELE PRODUSULUI

- *usor de utilizat datorita designului ergonomic si greutatii reduse*
- *nivel redus de zgomot*
- *consum redus de aer*
- *presiune de lucru de 6.3 bar*
- *declansator sensibil pentru o utilizare fina si precisa*
- *surubelnita dreapta cu regulator de viteza*
- *nivel redus de vibratii*
- *reversibila*
- *usor de utilizat cu o mana*



CE

Pre Comanda

EGA Master ART IN INNOVATION

	Cuplul de strangere		
57070	5~13 Nm	900	**2772.66**
	Cuplu strangere	5-13 Nm	
	Tutatii	1800 rpm	
	Consumul de aer	73 LPM (2.6 CFM)	
	Admisie	3/8"	
	Vibratii	<10.04 m/s²	
	Presiune de lucru	6,3 bar / 85 PSI	
	Nivel de zgomot	102.5 dBA	

57073

NOU

Masina de gaurit pneumatica unghiulara 1800 rpm cu mandrina 10 mm

AVANTAJELE PRODUSULUI

- *usor de utilizat datorita designului ergonomic si greutatii reduse*
- *nivel redus de zgomot*
- *consum redus de aer*
- *presiune de lucru de 6.3 bar*
- *nivel redus de vibratii*
- *reversibila*
- *usor de utilizat cu o mana*



Pro Comanda

EGA Master ART IN INNOVATION

	rpm		
57073	1800	900	**2029.14**

Putere	0,373 kW
Tutatii	1800 rpm
Capacitate mandrina	10 mm
Filet	3/8"-24
Diametru interior recomandat furtun	3/8"
Consumul de aer	80 LPM (2.8 CFM)
Racord aer	1/4"
Vibratii	<2.5 m/s²
Presiune de lucru	6,3 bar / 85 PSI
Nivel de zgomot	90.5 dBA

57085

Capsator pneumatic 21



CE

EGA Master ART IN INNOVATION

	Capacitate		
57085	155 capse	900	**2449.27**

Capacitate	155 capse
Capse	calibru 21
Presiune de lucru	6,3 bar / 90 PSI
Nivel vibratii	<2,5m/s²
Nivel de zgomot	85,17 dBA
Racord aer	1/4"
Lungime	215 mm
Greutate	0,9 kg

1516

Biax pneumatic drept

- *viteza de rotatie 25000 rotatii/minut*
- *presiunea maxima de aer comprimat: 6,2 Bar*
- *consum de aer comprimat 113 l/min*
- *racord de aer 1/4"*
- *capacitate de prindere mandrina 6 mm*
- *diametrul interior furtun 10mm*

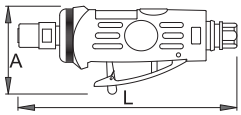
Avantaje:

- *levier de siguranta care previne pornirea accidentala*
- *prindere simpla a discurilor de slefuire si a celorlalte parti/extensii*
- *putere mare bazata pe marime*
- *scula mica si compacta*
- *reglare continua si variabila a rotatiei*

Utilizare

- *polizare precisa*
- *polizare completa*
- *scula industriala*
- *industria auto*
- *industria aerospatiala*
- *curatarea sudurii*
- *curatarea betonului si a suprafetelor de pereti*
- *curatirea suprafetelor de lemn*
- *inlaturarea vopselelor si a lacurilor*
- *inlaturarea ruginii*
- *curatire rulmenti*
- *curatire valve motor*
- *curatire piniane si ambreiaje*
- *alte suprafete diverse*







UNIOR

	L	A				
617731	155	60	390	1F	1	**703.28**





1516A

Biax pneumatic unghiular

- *viteza de rotatie 20000 rotatii/minut*
- *presiunea maxima de aer comprimat: 6,2 Bar*
- *consum de aer comprimat 113 l/min*
- *racord de aer 1/4"*
- *capacitate de prindere mandrina 6 mm*
- *diametrul interior furtun 10 mm*

Avantaje:

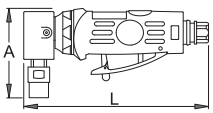
- *aceasta varianta unghiulara permite accesul in zone dificile in care in mod normal nu se poate face polizarea*
- *levier de siguranta care previne pornirea accidentala*
- *prindere simpla a discurilor de slefuire si a celorlalte parti/extensii*
- *putere mare bazata pe marime*
- *scula mica si compacta*
- *reglare continua si variabila a rotatiei*

Utilizare

- *polizare precisa*
- *polizare completa*
- *scula industriala*
- *industria auto*
- *industria aerospatiala*
- *curatarea sudurii*
- *curatarea betonului si a suprafetelor de pereti*
- *curatirea suprafetelor de lemn*
- *inlaturarea vopselelor si a lacurilor*
- *inlaturarea ruginii*
- *curatire rulmenti*
- *curatire valve motor*
- *curatire pinioane si ambreiaje*
- *alte suprafete diverse*







UNIOR

	L	A				
617732	162	76	740	1F	1	**911.64**



57078 NOU

Biax pneumatic drept 22000 rpm

• levier de siguranta care previne pornirea

Pre Comanda



CE EGA Master ART IN INNOVATION

	rpm		
57078	22000	600	1129.70

Consum de aer	80 LPM (2.8 CFM)
Putere	0.373 kW
Turatie mers in gol	22000 rpm
Diametru penseta	6 mm
Presiune de lucru	6.3 bar
Nivel de zgomot	90.5 dBA
Racord aer	1/4”
Diametru interior recomandat furtun	3/8”

57079 NOU

Biax pneumatic unghiular 18000 rpm

• levier de siguranta care previne pornirea

Pre Comanda



CE EGA Master ART IN INNOVATION

	rpm		
57079	18000	700	1602.97

Consum de aer	80 LPM (2.8 CFM)
Putere	0.373 kW
Turatie mers in gol	18000 rpm
Diametru penseta	6 mm
Presiune de lucru	6.3 bar
Nivel de zgomot	77.3 dBA
Racord aer	1/4”
Diametru interior recomandat furtun	3/8”

57099 NOU

Pistol pneumatic de gresat 400/450 g

• se utilieaza cu vaselina la cartus sau vrac

Pre Comanda



CE EGA Master ART IN INNOVATION

	Capacitate		
57099	400 g / 450 g	1400	1969.15

Presiune de lucru	4,1-10,3 bar / 60-150 PSI
Nivel vibratii	<2,5m/s²
Nivel de zgomot	74 dBA
Consum aer	28 LPM / 1 CFM
Lungimea nasului	150mm
Presiune maxima livrata	410 bar / 6000 PSI
Lungime	370 mm
Greutate	0,9 kg

1518

Polizor pneumatic unghiular

- *viteza de rotatie 11000 rotatii/minut*
- *presiunea maxima de aer comprimat: 6,2 Bar*
- *consum de aer comprimat 170 l/min*
- *racord de aer 1/4"*

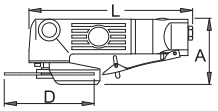
Avantaje:

- *maner interschimbabil*
- *levier de siguranta care previne pornirea accidentala*

Utilizare

- *protectia partilor in miscare*
- *folosit de asemenea in locuri inguste*
- *scula industriala*
- *curatarea sudurii*
- *curatarea betonului si a suprafetelor de pereti*
- *curatirea suprafetelor de lemn*
- *inlaturarea vopselelor si a lacurilor*
- *inlaturarea ruginii*
- *taiere profile si table*
- *alti utilizatori casnici*





UNIOR

	L	A	D				
617730	230	90	125	2175	1F	1	1250.82

57081 NOU

Slefuitor pneumatic vertical 178 mm

• control in siguranta a vitezei
• nivel scazut de zgomot
• consum redus de aer



Pre Comanda

CE EGA Master ART IN INNOVATION

	Pad		
57081	178 mm	3200	8405.73

Presiune de lucru	6,3 bar / 90 PSI
Racord aer	3/8”
Nivel vibratii	8,3 m/s²
Nivel de zgomot	86,9 dBA
Consum aer	127 LPM (4,5 CFM)
Filet	5/8"-11
Pad	178 mm
Turatie mers in gol	7000 rpm
Putere	1,7 kW
Diametru furtun aer compreimat	3/8”
Lungime	180 mm
Greutate	3,2 kg

57080 NOU

Polizor pneumatic unghiular 125 mm

• control in siguranta a vitezei
• nivel scazut de zgomot
• consum redus de aer



Pre Comanda

CE EGA Master ART IN INNOVATION

	Disc		
57080	125 mm	2105	7092.93

Presiune de lucru	6,3 bar / 90 PSI
Racord aer	1/4”
Nivel vibratii	7,7 m/s²
Nivel de zgomot	94,8 dBA
Consum aer	98 LPM (3,5 CFM)
Filet	M14
Diametru disc	125 mm
Turatie mers in gol	11000 rpm
Putere	1,7 kW
Diametru furtun aer compreimat	3/8”
Lungime	180 mm
Greutate	3,2 kg



57075 NOU

Slefuitor pneumatic orbital 6” - 2.5 mm

• sac de praf inclus



Pre Comanda

CE EGA Master ART IN INNOVATION

	Capacitate		
57075	6” - 2.5 mm	850	3933.76

Presiune de lucru	6,3 bar / 90 PSI
Racord aer	1/4”
Nivel vibratii	3,7 m/s²
Nivel de zgomot	77,2 dBA
Consum aer	62 LPM (2,2 CFM)
Filet	5/16"-24
Pad	150 mm (6”)
Orbita	2.5 mm
Turatie mers in gol	12000 rpm
Putere	0.22 kW
Diametru furtun aer compreimat	3/8”
Lungime	150 mm
Greutate	0,85 kg

57074 NOU

Slefuitor pneumatic orbital 6” - 5.0 mm

• *sac de praf inclus*



Pre Comanda



CE EGA Master ART IN INNOVATION

	Capacitate		
57074	6” - 5.0 mm	950	4114.62

Presiune de lucru	6,3 bar / 90 PSI
Racord aer	1/4”
Nivel vibratii	4,5 m/s²
Nivel de zgomot	85,2 dBA
Consum aer	62 LPM (2,2 CFM)
Filet	5/16”-24
Pad	150 mm (6”)
Orbita	5.0 mm
Turatie mers in gol	12000 rpm
Putere	0.22 kW
Diametru furtun aer compreimat	3/8”
Lungime	215 mm
Greutate	0,95 kg

1517S

Masina pneumatica de slefuit

- *viteza de rotatie 4500 rotatii/minut*
- *presiunea maxima de aer comprimat: 6,2 Bar*
- *consum de aer comprimat 340 l/min*
- *racord de aer 1/4"*
- *racord filetat 5/8"*

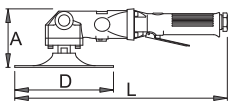
Avantaje:

- *scula mica si compacta*
- *utilizabil atat pentru mana dreapta cat si pentru mana stanga*
- *maner interschimbabil*
- *maner rotitor*

Utilizare

- *curatirea sudurii*
- *curatirea zunelor ascutite*
- *curatirea suprafetelor mici accidentate*





UNIOR

	L	A	D				
617729	375	100	175	2610	1F	1	1319.34

57076 NOU

Slefuitor pneumatic cu banda 10x330

- *nivel de zgomot redus*
- *clapeta de reglarea nivelului de zgomot*
- *maner reglabil apatabil pentru orice pozitie de lucru 360*
- *ideal pentru lucru la piese mici*
- *3 benzi de slefuire incluse*

Pre Comanda





CE EGA Master ART IN INNOVATION

	Banda		
57076	10 x 330 mm	850	2455.55

Banda (3 bucati incluse)	10x330mm (1pc-80gr / 2pcs-120gr)
Presiune de lucru	6,3bar / 90PSI
Racord aer	1/4”
Nivel vibratii	2,5 m/s²
Nivel de zgomot	82,4 dBA
Consum aer	80LPM (2.8CFM)
Putere	0.28 kW
Diametru furtun aer comprimat	3/8”
Lungime	260mm
Greutate	0,9 kg

57077 NOU

Slefuitor pneumatic cu banda 20x520

- *nivel de zgomot redus*
- *clapeta de reglarea nivelului de zgomot*
- *maner reglabil apatabil pentru orice pozitie de lucru 360*
- *ideal pentru lucru la piese mici*
- *3 benzi de slefuire incluse*

Pre Comanda





CE EGA Master ART IN INNOVATION

	Banda		
57077	20 x 520 mm	1200	4025.47

Banda (3 bucati incluse)	20x520mm (1pc-80gr / 2pcs-120gr)
Presiune de lucru	6,3bar / 90PSI
Racord aer	1/4”
Nivel vibratii	2,5 m/s²
Nivel de zgomot	84,4 dBA
Consum aer	80LPM (2.8CFM)
Putere	0.373 kW
Diametru furtun aer comprimat	3/8”
Lungime	340 mm
Greutate	1200 kg

1510

Masina pneumatica de slefuit

- *viteza de rotatie 1000 rotatii/minut*
- *presiunea maxima de aer comprimat: 6, 2 Bar*
- *consum de aer comprimat 368 l/min*
- *racord de aer 1/4"*

Avantaje:

- *forma ergonomica a manerului asigura o prindere ferma si impiedica alunecarea*
- *utilizabil atat pentru mana dreapta cat si pentru mana stanga*
- *silentios si usor de manevrat*
- *buton manual de on/off*
- *exhaustarea particulelor intr-un sac pentru o suprafata de lucru curata.*
- *furtun robust si flexibil pentru curatirea prafului*
- *nu sunt permise colturi pe suprafata de lucru*
- *conditii mai bune de lucru datorita vibratiilor minime*
- *putere mare bazata pe greutate (1.2 kg)*

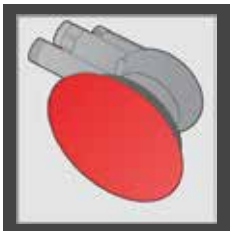
Utilizare

- *ateliere de tinichigerie*
- *pregatirea diferitelor suprafete de lucru pentru operatiile ulterioare*
- *ideal pentru slefuirea suprafetelor metalice, metale si lemn*
- *platan slefuitorului este VELCRO™sistem care asigura slefuirea simpla, usoara, rapida si in siguranta a diferitelor parti de slefuit. Sistemul este utilizat pentru diverse ocazii , cel mai cunoscut exemplu pantofii de sport cu sistem VELCRO™*



UNIOR

	Nº	L	A	D				
617733	2.5	220	105	150	1600	1F	1	2249.51
617713	5	220	105	150	1615	1F	1	2312.95



Masina pneumatica de slefuit



forma ergonomica a manerului asigura o prindere ferma si impiedica alunecarea



exhaustarea particulelor intr-un sac pentru o suprafata de lucru curata.



buton manual de on/off

1514PB

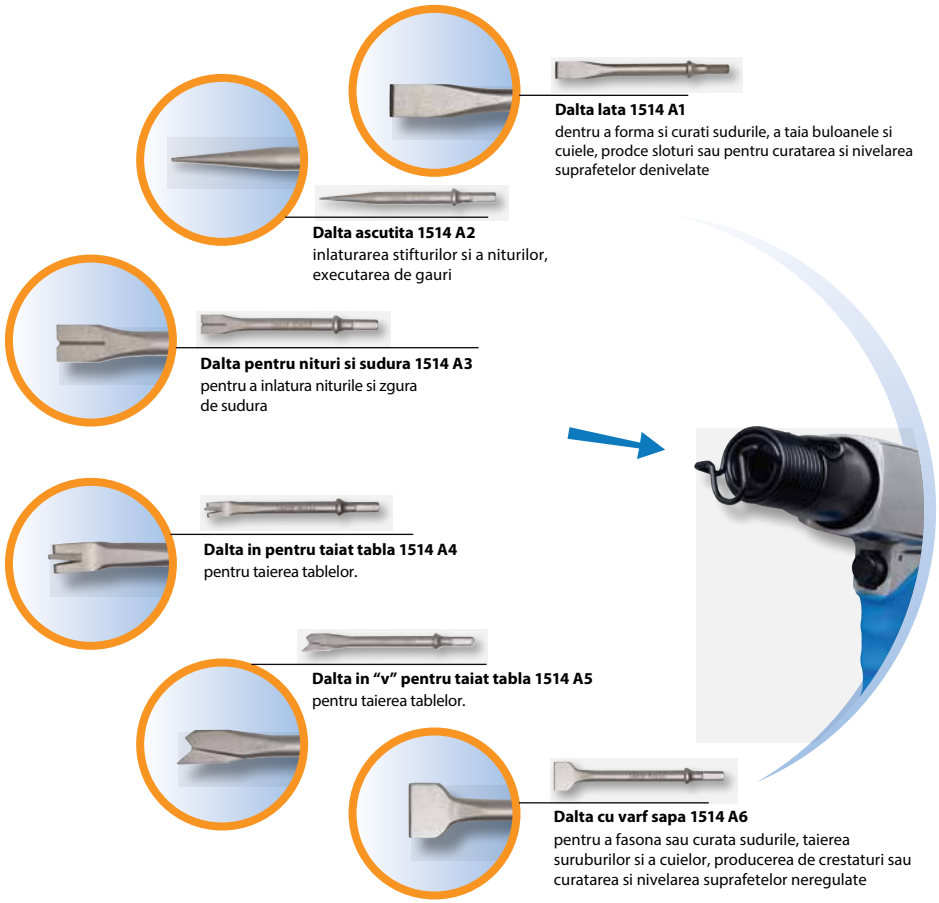
Pistol pneumatic daltuitor cu set de dalti

- *Dimensiunea cutiei : 307 x 260 x 70*



619964	7	3210	1G	1	1200.49

1514 (170), **1514A1** (182),
1514A2 (180), **1514A3** (180),
1514A4 (180), **1514A5** (190),
1514A6 (178), **981PBM2** (307 x 260 x 74)



Dalta lata 1514 A1
dentru a forma si curati sudurile, a taia buloanele si cuiele, prodce sloturi sau pentru curatarea si nivelarea suprafetelor denivelate

Dalta ascutita 1514 A2
inlaturarea stifturilor si a niturilor, executarea de gauri

Dalta pentru nituri si sudura 1514 A3
pentru a inlatura niturile si zgura de sudura

Dalta in pentru taiat tabla 1514 A4
pentru taierea tablelor.

Dalta in "v" pentru taiat tabla 1514 A5
pentru taierea tablelor.

Dalta cu varf sapa 1514 A6
pentru a fasona sau curata sudurile, taierea suruburilor si a cuielor, producerea de crestaturi sau curatarea si nivelarea suprafetelor neregulate

1514

Pistol pneumatic daltuitor

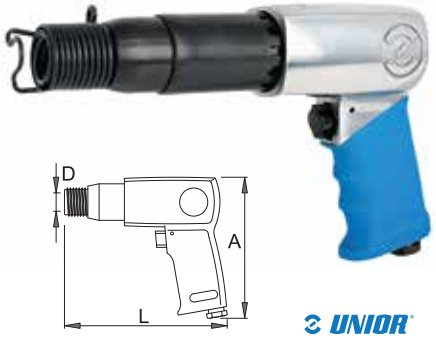
- *utilizat pentru taierea tablelor, bolturilor si curatirea suprafetelor sudate, nituri,ipsos si tigle*
- *cu arc, inlocuire rapida ca parte de schimb*
- *piston percutor lungime: 70 - 67mm, 225 - 92mm*
- *diametrul interior 9,1mm*
- *lovituri pe minut: 170 - 3000, 225 - 2100*
- *consum de aer comprimat 250 l/min*
- *Racord de aer 1/4"*

Avantaje:

- *scula usoara si compacta, folosita de asemenea in camere mici*
- *o diversitate de utilizari*
- *sistem de retinere*

Utilizare

- *industria auto*
- *taierea bucatilor de metal si a suruburilor*
- *inlaturarea cordoanelor de sudura*
- *lucrul la pereti,beton,piatra,caramida,otel,met ale usoare*



	L	A	D				
617714	170	150	19	1810	1F	1	678.69
617715	225	150	19	2160	1F	1	799.34

1514.1

Arc pentru 1514



617716	69	1E	1	58.52

1514.2

Dispozitiv de schimbare rapida pentru 1514

- *pentru fixarea/demontarea simpla si rapida a daltii*
- *schimbare rapida cu actionarea inelului de deblocare superior*
- *inel de deblocare striat pentru o priza maximala la schimbarea sculei*



617717	351	1F	1	161.97

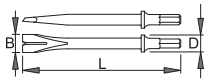
1514A3

Dalta pentru nituri si curatat sudura

Utilizare

- *pentru a inlatura niturile si zgura de sudura*





	L	B	D				
617720	180	20	19	179	1E	1	55.90

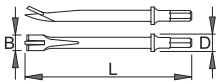
1514A4

Dalta pentru taiat tabla

Utilizare

- *pentra taierea tablelor*





	L	B	D				
617721	180	16.7	19	178	1E	1	55.90

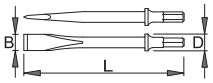
1514A1

Dalta lata

Utilizare

- *Pentru a forma si curati sudurile, a taia buloanele si cuiele, prodce sloturi sau pentru curatarea si nivelarea suprafetelor denivelate.*





UNIOR

	L	B	D				
617718	182	18	19	181	1E	1	55.90

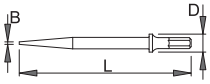
1514A2

Dalta ascutita

Utilizare

- *Inlaturarea stifturilor si a niturilor, darea de gauri*





UNIOR

	L	B	D				
617719	180	2	19	154	1E	1	55.90

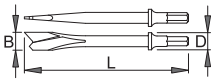
1514A5

Dalta cu varf in V

Utilizare

- *pentru taierea tablelor*





UNIOR

	L	B	D				
617722	190	19.2	19	187	1E	1	55.90

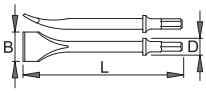
1514A6

Dalta cu varf sapa

Utilizare

- *Pentru a fasona sau curata sudurile, taierea suruburilor si a cuielor, producerea de crestaturi sau curatarea si nivelarea suprafetelor neregulate*





UNIOR

	L	B	D				
617723	178	32.8	19	207	1E	1	55.90

57082 NOU

Daltuitor pneumatic 3500 rpm

- *declansator sensibil pentru performanta si acuratete*
- *nivel de zgomot redus*
- *consum redus de aer*
- *arc de retentie dalti*
- *regulator putere*



Pre Comanda

CE

EGA Master ART IN INNOVATION

	RPM		
57082	3500	2000	830.53

Presiune de lucru	6,3 bar / 90 PSI
Racord aer	1/4"
Nivel vibratii	15 m/s²
Nivel de zgomot	103 dBA
Consum aer	56 LPM (2 CFM)
Gaura	19 mm
Coada hexagonala	10 mm
Turatie mers in gol	3500 rpm
Cursa piston	66 mm
Diametru furtun aer compreimat	3/8"
Lungime	170mm
Greutate	2,0 kg

57082 NOU

Dalti pentu daltuitor pneumatic

- *material: otel 50-55 HRc*

Pre Comanda



EGA Master ART IN INNOVATION

	Tip	
87946	Dalta lata 7" hex. 10 mm	103.61
87948	Dalta ascutita 7" hex. 10 mm	103.61
87950	Dalta sudura si imbinati 7" hex. 10 mm	103.61
87947	Datla cu 2 taisuri 7" hex. 10 mm	103.61
87949	Dalta tip V 7" hex. 10 mm	103.61

57083 NOU

Fierastrau sabie pneumatic 10000 rpm

- *reglare aparatorii lamelor pentru ajustarea adancimii de taiere*
- *nivel de zgomot redus*
- *consum redus de aer*
- *regulator putere*



CE

EGA Master ART IN INNOVATION

Pre Comanda

	RPM		
57083	10000	1000	1587.77

Presiune de lucru	6,3 bar / 90 PSI
Racord aer	1/4"
Nivel vibratii	19,7 m/s²
Nivel de zgomot	85,7 dBA
Consum aer	113 LPM (4 CFM)
Panze incluse	1pc-24T / 1pc-32T
Turatie mers in gol	10000 rpm
Cursa	10 mm
Diametru furtun aer compreimat	3/8"
Lungime	235 mm
Greutate	1,0 kg

57084 NOU

Scula pneumatica pentru indepartat parbrize 20000 rpm

- *reglare aparatorii lamelor pentru ajustarea adancimii de taiere*
- *nivel de zgomot redus*
- *consum redus de aer*
- *lama oscilatorie*

Pre Comanda



EGA Master ART IN INNOVATION

CE

	RPM		
57084	20000	1000	2255.52

Presiune de lucru	6,3 bar / 90 PSI
Racord aer	1/4"
Nivel vibratii	7,9 m/s²
Nivel de zgomot	95,5 dBA
Consum aer	110LPM (3.9CFM
Putere	0,37 kW
Turatie mers in gol	20000 rpm
Diametru furtun aer compreimat	3/8"
Lungime	205 mm
Greutate	1,0 kg



87953 NOU

Lama pentru indepartat parbrize

Pre Comanda



EGA Master ART IN INNOVATION

	RPM		
87953	20000	350	146.66

57146 NOU

Nituitor pneumatic 2,4 - 3,2 - 4,0 - 4,8

AVANTAJELE PRODUSULUI

- *usor de utilizat datorita designului ergonomic si greutatii reduse*
- *nivel redus de zgomot*
- *consum redus de aer*
- *presiune de lucru de 6.3 bar*
- *declansator sensibil pentru o utilizare fina si precisa*
- *surubelnita dreapta cu regulator de viteza*
- *nivel redus de vibratii*
- *reversibila*
- *usor de utilizat cu o mana*



	Capacitate		
57146	2,4 - 3,2 - 4,0 - 4,8	1500	1864.63

Nituri	2,4 - 3,2 - 4,0 - 4,8
Putere tragere	880 kg
Cursa	14 mm
Capacitate	4,8 mm (3/16")
Presiune de lucru	6,3 bar / 90 PSI
Nivel vibratii	<2,5m/s²
Nivel de zgomot	88,8 dBA
Racord aer	1/4"
Lungime	270 mm
Greutate	1.5 kg

57147 NOU

Nituitor pneumatic 2,4 - 3,2 - 4,0 - 4,8 - 6,4

AVANTAJELE PRODUSULUI

- *usor de utilizat datorita designului ergonomic si greutatii reduse*
- *nivel redus de zgomot*
- *consum redus de aer*
- *presiune de lucru de 6.3 bar*
- *declansator sensibil pentru o utilizare fina si precisa*
- *surubelnita dreapta cu regulator de viteza*
- *nivel redus de vibratii*
- *reversibila*
- *usor de utilizat cu o mana*



	Capacitate		
57147	2,4 - 3,2 - 4,0 - 4,8 - 6,4	2100	4713.23

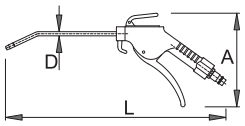
Nituri	2,4 - 3,2 - 4,0 - 4,8 - 6,4
Putere tragere	1400 kg
Cursa	19 mm
Capacitate	6,4 mm (1/4")
Presiune de lucru	6,3 bar / 90 PSI
Nivel vibratii	<2,5m/s²
Nivel de zgomot	92,1 dBA
Racord aer	1/4"
Lungime	325 mm
Greutate	2.1 kg

1508A

Pistol de curatire pneumatic

- *presiunea maxima de aer comprimat: 10,9 bar*
- *consum de aer comprimat 220 l/min*





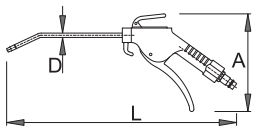
	L	A	D				
617767	260	135	6	153	1E	10	63.61

1508B

Pistol pneumatic de curatire lung

- *presiunea maxima de aer comprimat: 10,9*
- *consum de aer comprimat 220 l/min*





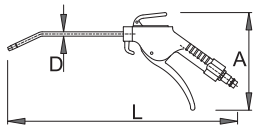
	L	A	D				
617768	420	135	6	178	1E	10	90.66

55842 NOU

Pistol pneumatic de curatire

- *presiunea maxima de aer comprimat: 1 Mpa (10 bar)*





	L1	A	D				
55842	100	135	6	38	1E	10	102.12

1500

Filtru regulator si ungator pneumatic 1/4"

- *racord de aer 1/4"*
- *presiune maxima de aer comprimat: 9,5 Bar*
- *debit maxim 600 l/min*
- *presiunea de lucru 0,5 - 8,5 Bar*
- *temperatura de lucru 5 - 60 °C*
- *grad de filtrare 5 microni*
- *capacitate filtru 15ml*
- *capacitate lubrificator 25ml*



	L	A				
617735	90	155	491	1F	1	628.03

1500C

Set de pahare pentru 1500



617738	71	1E	1	156.89

1501

Filtru regulator si ungator pneumatic 3/8"

- *racord de aer 3/8"*
- *presiune maxima de aer comprimat: 9,5 Bar*
- *debit maxim1800 l/min*
- *presiunea de lucru 0,5 - 8,5 Bar*
- *temperatura de lucru 5 - 60 °C*
- *grad de filtrare 5 microni*
- *capacitate filtru 60ml*
- *capacitate ungator 90ml*



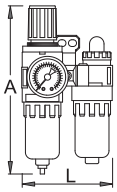
	L	A				
617736	150	220	1285	1F	1	920.16

1502

Filtru regulator si ungator pneumatic 1/2"

- *racord de aer 1/2"*
- *presiune maxima de aer comprimat: 9,5 Bar*
- *presiunea de lucru 0,5 - 8,5 Bar*
- *temperatura de lucru 5 - 60 °C*
- *grad de filtrare 5 microni*
- *debit maxim 2300 l/min*
- *capacitate filtru 60ml*
- *capacitate ungator 90ml*





UNIOR

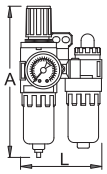
	L	A				
617737	150	220	1265	1F	1	1016.89

1503

Filtru regulator si gresor pneumatic 3/4"

- *racord aer 3/4"*
- *presiune maxima de aer comprimat: 9,5 Bar*
- *presiunea de lucru 0,5 - 8,5 Bar*
- *temperatura de lucru 5 - 60 °C*
- *grad de filtrare 5 microni*
- *debit maxim 2500 l/min*
- *capacitate filtru 60ml*
- *capacitate ungator 90ml*





UNIOR

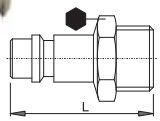
	L	A				
621473	190	240	1805	1F	1	1173.44

1507Z7

Cuplaj cu filet exterior

- *diametrul interior furtun Ø7mm*
- *filet exterior*





UNIOR

617797	R1/4"	14	34	24	1E	1	14.43
617798	R3/8"	19	36.5	34	1E	1	16.07
618483	R1/2"	22	39	40	1E	1	24.75

1500PG

Manometru de presiune pentru 1500



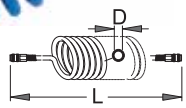
UNIOR

617741	63	1F	1	68.03

1505

Furtun pneumatic elicoidal





UNIOR

	L (m)	D				
617743	9	6.5 x 10	850	1E	1	194.43
617744	9	8 x 12	894	1E	1	237.54
617745	9	11 x 16	1526	1E	1	388.69
617746	12	6.5 x 10	835	1E	1	299.34
617747	12	8 x 12	1076	1E	1	378.69
617748	12	11 x 16	1847	1E	1	504.10

58682 NOU

Tambur 15 m furtun pneumatic 1/4" diametru interior furtun ø 3/8"

Pre Comanda



EGA Master ART IN INNOVATION

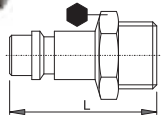
58682	5850	1F	1	2425.40

1507Z10

Cuplaj cu filet exterior

- *filet exterior*
- *diametrul furtunului interior 10mm*





UNIOR

621455	3/8"	17	39.4	38	1E	1	38.52
621456	1/2"	24	39.4	53	1E	1	45.74
621457	3/4"	27	48.5	86	1E	1	63.28

55843 NOU

Tambur 15 m furtun pneumatic 1/4" diametru interior furtun ø 3/8"

Pre Comanda



EGA Master ART IN INNOVATION

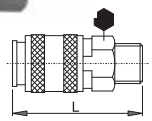
55843	5850	1F	1	2425.40

1506KZ7

Cuplaj cu filet exterior

- *carcasa metalica*
- *filet exterior*





UNIOR

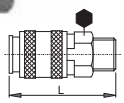
617793	R1/4"	20	58	98	1E	1	63.93
617794	R3/8"	20	54	101	1E	1	65.41

1506KZ10

Cuplaj cu filet exterior

- *carcasa metalica*
- *filet exterior*





UNIOR

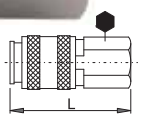
621452	3/8"	24	62.5	149	1E	1	192.95
621453	1/2"	24	65.0	156	1E	1	192.95
621454	3/4"	27	67.1	191	1E	1	216.23

1506KN7

Cuplaj cu filet interior

- *carcasa metalica*
- *filet interior*





UNIOR

617795	R1/4"	20	54.5	113	1E	1	66.56
617796	R3/8"	20	55	105	1E	1	66.56

58670 NOU

Cuplaj rapid de siguranta 1/4” mama tip olandez

- *conexiune: 1/4" mama*
- *greutate: 70 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58670	F1/4"	1558 l/min	10 bar	70	199.37

58671 NOU

Cuplaj rapid de siguranta 1/4” tata tip olandez

- *conexiune: 1/4" tata*
- *greutate: 60 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58671	M1/4"	1558 l/min	12 bar	60	196.31

58672 NOU

Cuplaj rapid de siguranta 10 mm tip olandez

- *conexiune: 10 mm*
- *greutate: 60 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58672	M1/4"	1558 l/min	12 bar	65	202.84

58673 NOU

Cuplaj rapid de siguranta 1/4” mama tip spaniol si nord american

- *conexiune: 1/4" mama*
- *greutate: 70 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58673	F1/4"	1558 l/min	10 bar	70	199.37

58674 NOU

Cuplaj rapid de siguranta 1/4” tata tip spaniol si nord american

- *conexiune: 1/4" tata*
- *greutate: 60 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58674	M1/4"	1558 l/min	12 bar	60	196.31

58675 NOU

Cuplaj rapid de siguranta 10 mm tip spaniol si nord american

- *conexiune: 10 mm*
- *greutate: 60 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58675	M1/4"	1558 l/min	12 bar	65	202.84

58676 NOU

Cuplaj rapid de siguranta 1/4” mama tip german

- *conexiune: 1/4" mama*
- *greutate: 70 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58676	F1/4"	1558 l/min	10 bar	70	199.37

58677 NOU

Cuplaj rapid de siguranta 1/4” tata tip german

- *conexiune: 1/4" tata*
- *greutate: 60 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58677	M1/4"	1558 l/min	12 bar	60	196.31

58678 NOU

Cuplaj rapid de siguranta 10 mm tip german

- *conexiune: 10 mm*
- *greutate: 60 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58678	M1/4"	1558 l/min	12 bar	65	202.84

58679 NOU

Cuplaj rapid de siguranta 1/4” mama tip japonez

- *conexiune: 1/4" mama*
- *greutate: 70 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58679	F1/4"	1558 l/min	10 bar	70	206.47

58680 NOU

Cuplaj rapid de siguranta 1/4” tata tip japonez

- *conexiune: 1/4" tata*
- *greutate: 60 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58680	M1/4"	1558 l/min	12 bar	60	203.91

58681 NOU

Cuplaj rapid de siguranta 10 mm tip japonez

- *conexiune: 10 mm*
- *greutate: 60 g*
- *debit maxim: 1558 L/Min*
- *presiune maxima de lucru: 10 bar*
- *temperatura de lucru: -20 ~ 80ºC*



		Debit maxim	Presiune max.		
58681	M1/4"	1558 l/min	12 bar	65	216.47

MASTEREX 79602 NOU

Masina de gaurit pneumatica mandrina max. 10mm 1550 rpm

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase
• universala
• cu reducerea optima a zgomotului.
• putere: 500 W
• maner ergonomic

Pre Comanda



ZONE M2 MINIERE

EGA Master ART IN INNOVATION

	RPM		
79602	1550	2100	**20127.86**
Presiune de lucru	6 bar		
Capacitate mandrina	10 mm		
Capacitate maxima gaurire in otel	10 mm		
Turatie mers in gol	1550 rpm		
Putere motor	0.500 kW		
Racorduri	1/4"		
Diamentru interior recomandat furtun	10 mm		
Nivel zgomot	84 dB		
Nivel vibratii	<2,5 m/s²		
Lungime	230 mm		
Marcaje ATEX	EX I M2 Ex h I Mb T6		
Greutate	2100 kg		

MASTEREX 36808 NOU

Masina de gaurit pneumatica mandrina max. 13 mm

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase
• universala
• cu reducerea optima a zgomotului.
• putere: 1 kW
• maner ergonomic

Pre Comanda



ZONE 1, 2 GAZ

EGA Master ART IN INNOVATION

	RPM		
36808	450/650/850/1000	3700	**30516.39**
Presiune de lucru	6 bar		
Capacitate mandrina	13 mm		
Capacitate maxima gaurire in otel	30 mm		
Turatie mers in gol	450/650/850/1000 rpm		
Putere motor	1 kW		
Consum aer	1.15 m³/min		
Racorduri	1/4"		
Diamentru interior recomandat furtun	10 mm		
Nivel zgomot	84 dB		
Nivel vibratii	<2,5 m/s²		
Lungime	230 mm		
Marcaje ATEX	EX II 2G Ex h IIB T5 Gb		
Greutate	3700 kg		

MASTEREX 79605 NOU

Masina de gaurit pneumatica mandrina rapida, cuplu max. 9 Nm

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase
• universala
• cu reducerea optima a zgomotului.
• putere: 650 W
• maner tip D

Pre Comanda



ZONE M2 MINIERE

EGA Master ART IN INNOVATION

	RPM		
79605	650	5700	**30083.45**
Presiune de lucru	6 bar		
Madrina	Actionare Rapida		
Capacitate maxima gaurire in otel	13 mm		
Turatie mers in gol	650 rpm		
Putere motor	0.65 kW		
Consum aer	0,68 m³/min		
Racorduri	R 3/8"f		
Diamentru interior recomandat furtun	13 mm		
Nivel zgomot	89 dB		
Nivel vibratii	<2,5 m/s²		
Marcaje ATEX	EX I M2 Ex h I Mb T6		
Greutate	5700 kg		

MASTEREX 79603 NOU

Masina de gaurit pneumatica mandrina max. 13mm 850 rpm

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase
• universala
• cu reducerea optima a zgomotului.
• putere: 500 W
• maner ergonomic

Pre Comanda



ZONE M2 MINIERE

EGA Master ART IN INNOVATION

	RPM		
79603	850	2100	**26981.37**
Presiune de lucru	6 bar		
Capacitate mandrina	13 mm		
Capacitate maxima gaurire in otel	13 mm		
Turatie mers in gol	850 rpm		
Putere motor	0.500 kW		
Racorduri	1/4"		
Diamentru interior recomandat furtun	10 mm		
Nivel zgomot	84 dB		
Nivel vibratii	<2,5 m/s²		
Lungime	230 mm		
Marcaje ATEX	EX I M2 Ex h I Mb T6		
Greutate	2100 kg		

MASTEREX 79904 NOU

Masina de gaurit pneumatica mandrina max. 13 mm

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase
• universala
• cu reducerea optima a zgomotului.
• putere: 0.5 kW
• maner ergonomic

Pre Comanda



ZONE 1, 2 GAZ

EGA Master ART IN INNOVATION

AQUA Master

	RPM		
79904	1550	2100	**22566.25**
Presiune de lucru	6 bar		
Capacitate mandrina	10 mm		
Capacitate maxima gaurire in otel	10 mm		
Turatie mers in gol	1550 rpm		
Putere motor	0.5 kW		
Consum aer	0.6 m³/min		
Racorduri (interior / exterior)	R 1/4"f - R 3/8"f		
Diamentru interior recomandat furtun	≥ 10 mm		
Nivel zgomot	84 dB		
Nivel vibratii	<2,5 m/s²		
Lungime	235 mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	2100 kg		

MASTEREX 79249 NOU

Masina de gaurit pneumatica unghiulara cu mandrina MT2

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase
• universala
• cu reducerea optima a zgomotului.
• putere: 1.33 kW
• maner ergonomic



ZONE M2 MINIERE

EGA Master ART IN INNOVATION

Pre Comanda

	RPM		
79249	270	8500	**50860.66**
Presiune de lucru	6 bar		
Madrina	MT2		
Capacitate maxima gaurire in otel	23 mm		
Turatie mers in gol	270 rpm		
Putere motor	1.33 kW		
Cuplu maxim	48 Nm		
Consum aer	1.40 m³/min		
Racorduri	R 3/4"a		
Diamentru interior recomandat furtun	15 mm		
Nivel zgomot	92 dB		
Nivel vibratii	<3.3 m/s²		
Marcaje ATEX	EX I M2 c T6		
Greutate	8500 kg		

MASTEREX 79996 NOU

Masina de gaurit pneumatica cu avans pe surub mandrina MT2

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase



Pre Comanda

ZONE 1, 2 GAZ

	RPM		
79996	250	12000	**62999.49**

Presiune de lucru	6 bar
Mandrina	MT2
Capacitate maxima gaurire in otel	23 mm
Turatie mers in gol	250 rpm
Putere motor	1.5 kW
Cuplu maxim	46 Nm
Consum aer	1.2 m³/min
Racorduri	R 3/4"a
Diamentru interior recomandat furtun	≥ 15 mm
Marcaje ATEX	EX II 2G c T6
Greutate	12 kg

MASTEREX 79632 NOU

Masina de gaurit pneumatica cu talpa magnetica cursa 125 mm

• pentru gaurirea materialului cu suprafata magnetizabila cu carote de pana la 52 mm diametru si burghie pana la 13 mm
• capacitate magnet 800 kg
• comutator cu 3 pozitii: gauriti - magnet - opriti
• cu capac de protectie pentru burghiu care ofera siguranta maxima utilizatorului.



Pre Comanda

ZONE 1, 2 GAZ





	RPM		
79632	250	19000	**78455.28**

Presiune de lucru	6 bar
Mandrina	Weldon 19 mm
Diametru maxim de gaurire	53 mm
Forta magnetica	800 kg
Turatie mers in gol	400 rpm
Putere motor	1.0 kW
Cursa	125 mm
Consum aer	1.5 m³/min
Racorduri	R 3/8"f
Diamentru interior recomandat furtun	≥ 13 mm
Marcaje ATEX	EX II 2G c T6
Greutate	19 kg

MASTEREX 79633 NOU

Masina de gaurit pneumatica cu talpa magnetica cursa 160 mm

• pentru gaurirea materialului cu suprafata magnetizabila cu carote de pana la 52 mm diametru si burghie pana la 13 mm
• capacitate magnet 800 kg
• comutator cu 3 pozitii: gauriti - magnet - opriti
• cu capac de protectie pentru burghiu care ofera siguranta maxima utilizatorului.



Pre Comanda

ZONE 1, 2 GAZ





	RPM		
79633	250	21500	**79789.92**

Presiune de lucru	6 bar
Mandrina	Weldon 19 mm
Diametru maxim de gaurire	53 mm
Forta magnetica	800 kg
Turatie mers in gol	400 rpm
Putere motor	1.0 kW
Cursa	160 mm
Consum aer	1.5 m³/min
Racorduri	R 3/8"f
Diamentru interior recomandat furtun	≥ 13 mm
Marcaje ATEX	EX II 2G c T6
Greutate	19 kg

MASTEREX 79303 NOU

Masina de carotat pneumatica capacitate maxima 160 mm, 1.6 kW

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase



Pre Comanda

ZONE 1, 2 GAZ

	RPM		
79303	400-900-1600	8200	**49778.51**

Presiune de lucru	6 bar
Conexiune carote	1.1/4"UNC male / R1/2" female
Trepte cuplu	49/31/16 Nm
Turatie mers in gol	400-900-1600 rpm
Putere motor	1.60 kW
Diametru maxim carote	≤160 mm
Consum aer	2.2 m³/min
Racorduri	R 3/4" f
Diamentru interior recomandat furtun	- mm
Lungime	550 mm
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb
Greutate	8200 kg

MASTEREX 79330 NOU

Masina de carotat pneumatica capacitate maxima 160 mm, 2.8 kW

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase



Pre Comanda

ZONE M2 MINIERE

	RPM		
79330	300-700-1350	17700	**75316.97**

Presiune de lucru	6 bar
Conexiune carote	1.1/4"UNC male / R1/2" female
Trepte cuplu	90/56/29 Nm
Turatie mers in gol	300-700-1350 rpm
Putere motor	2.8 kW
Diametru maxim carote	≤160 mm
Consum aer	3.5 m³/min
Racorduri	R 3/4" f
Diamentru interior recomandat furtun	- mm
Lungime	660 mm
Marcaje ATEX	EX I M2 Ex h I Mb T6
Greutate	17.7 kg

MASTEREX 79422 NOU

Masina de carotat pneumatica capacitate maxima 300 mm, 2.8 kW

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase



Pre Comanda

ZONE 1, 2 GAZ

	RPM		
79422	300-700-1350	12700	**54395.68**

Presiune de lucru	6 bar
Conexiune carote	1.1/4"UNC male / R1/2" female
Trepte cuplu	90/56/29 Nm
Turatie mers in gol	300-700-1350 rpm
Putere motor	2.8 kW
Diametru maxim carote	≤300 mm
Consum aer	3.5 m³/min
Racorduri	R 3/4" f
Diamentru interior recomandat furtun	- mm
Lungime	520 mm
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb
Greutate	12.7 kg

MASTEREX 79613 NOU

Masina pneumatica de insurubat cu impact 1”, 1800 Nm

• este esentiala pentru lucrul in zone periculoase precum minerit, lucru in spatii restranse, lucrari subterane etc.
• ideal pentru aplicarea unui cuplu ridicat la toate tipurile de elemente de fixare filetate cu o actiune simpla de declansare
• chiar si elementele de fixare cu niveluri foarte ridicate de rugina pot fi stranse si slabite.



Pre Comanda

EGA Master ART IN INNOVATION

ZONE M2 MINIERE

	Cuplu		
79613	1800 Nm	12200	**43502.02**
Presiune de lucru	6 bar		
Patrat antrenare	1”		
Cuplu maxim	1800 Nm		
Pentru suruburi si piulite	M33 (50 mm AF)		
Racorduri	Rd 32 x 1/8"a		
Diamentru interior recomandat furtun	13 mm		
Nivel zgomot	92 dB		
Nivel vibratii	<3,2 m/s²		
Lungime	280 mm		
Marcaje ATEX	EX I M2 c T6		
Greutate	9 kg		

MASTEREX 79604 NOU

Masina de gaurit cu pecutie pneumatica 0.5 kW

• perfect pentru gaurirea materialelor groase sau foarte dure precum beton, piatra etc. in medii periculoase
• optiunile de miscare de percutie si rotatie pot fi aplicate simultan, permitand o performanta mai usoara
• doua functii: gaurire cu ciocan sau gaurire normala
• maner suplimentar reglabil la 360º pentru diferite pozitii
• carcasa metalica robusta pentru o durabilitate mai mare



Pre Comanda



EGA Master ART IN INNOVATION

ZONE M2 MINIERE

	RPM		
79604	950	3300	**28857.08**
Presiune de lucru	6 bar		
Capacitate mandrina	13 mm		
Capacitate maxima gaurire in otel	13 mm		
Turatie mers in gol	950 rpm		
Putere motor	0.500 kW		
Consum de aer	0.6 m³/min		
Racorduri	1/4”		
Diamentru interior recomandat furtun	10 mm		
Nivel zgomot	84 dB		
Nivel vibratii	<2,5 m/s²		
Lungime	290 mm		
Marcaje ATEX	EX I M2 Ex h I Mb T6		
Greutate	3.3 kg		

MASTEREX 79610 NOU

Masina pneumatica de insurubat cu impact 1/2”, 610 Nm

• este esentiala pentru lucrul in zone periculoase precum minerit, lucru in spatii restranse, lucrari subterane etc.
• ideal pentru aplicarea unui cuplu ridicat la toate tipurile de elemente de fixare filetate cu o actiune simpla de declansare
• chiar si elementele de fixare cu niveluri foarte ridicate de rugina pot fi stranse si slabite.



Pre Comanda

EGA Master ART IN INNOVATION

ZONE M2 MINIERE

	Cuplu		
79610	610 Nm	3600	**17835.79**
Presiune de lucru	6 bar		
Patrat antrenare	1/2”		
Cuplu maxim	610 Nm		
Pentru suruburi si piulite	M20 (30 mm AF)		
Racorduri	1/4”		
Diamentru interior recomandat furtun	10 mm		
Nivel zgomot	90 dB		
Nivel vibratii	<2,6 m/s²		
Lungime	160 mm		
Marcaje ATEX	EX IM2cT6		
Greutate	3.6 kg		

MASTEREX 79626 NOU

Masina pneumatica de insurubat cu impact 3/4”, 1350 Nm

• este esentiala pentru lucrul in zone periculoase precum minerit, lucru in spatii restranse, lucrari subterane etc.
• ideal pentru aplicarea unui cuplu ridicat la toate tipurile de elemente de fixare filetate cu o actiune simpla de declansare
• chiar si elementele de fixare cu niveluri foarte ridicate de rugina pot fi stranse si slabite.

Pre Comanda



Pre Comanda

EGA Master ART IN INNOVATION

ZONE 1, 2 GAZ

	Cuplu		
79626	1350 Nm	5600	**38957.17**
Presiune de lucru	6 bar		
Patrat antrenare	3/4”		
Cuplu maxim	1350 Nm		
Pentru suruburi si piulite	M30 (46 mm AF)		
Racorduri	1/4”		
Diamentru interior recomandat furtun	13 mm		
Nivel zgomot	96 dB		
Nivel vibratii	<4,5 m/s²		
Lungime	220 mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	5.6 kg		

MASTEREX 79631 NOU

Masina pneumatica de insurubat cu impact 1.1/2”, 4400 Nm

• este esentiala pentru lucrul in zone periculoase precum minerit, lucru in spatii restranse, lucrari subterane etc.
• ideal pentru aplicarea unui cuplu ridicat la toate tipurile de elemente de fixare filetate cu o actiune simpla de declansare
• chiar si elementele de fixare cu niveluri foarte ridicate de rugina pot fi stranse si slabite.



Pre Comanda

EGA Master ART IN INNOVATION

ZONE 1, 2 GAZ

	Cuplu		
79631	4400 Nm	12200	**66948.37**
Presiune de lucru	6 bar		
Patrat antrenare	1.1/2”		
Cuplu maxim	4400 Nm		
Pentru suruburi si piulite	M56 (85 mm AF)		
Racorduri	1/2”		
Diamentru interior recomandat furtun	15 mm		
Nivel zgomot	107 dB		
Nivel vibratii	<6,6 m/s²		
Lungime	- mm		
Marcaje ATEX	EX II 2G c T6		
Greutate	12.2 kg		

MASTEREX 79625 NOU

Masina pneumatica de insurubat cu impact 1”, 2200 Nm

• este esentiala pentru lucrul in zone periculoase precum minerit, lucru in spatii restranse, lucrari subterane etc.
• ideal pentru aplicarea unui cuplu ridicat la toate tipurile de elemente de fixare filetate cu o actiune simpla de declansare
• chiar si elementele de fixare cu niveluri foarte ridicate de rugina pot fi stranse si slabite.



Pre Comanda

EGA Master ART IN INNOVATION

ZONE 1, 2 GAZ

	Cuplu		
79625	2200 Nm	11000	**61718.08**
Presiune de lucru	6 bar		
Patrat antrenare	1”		
Cuplu maxim	2200 Nm		
Pentru suruburi si piulite	M36 (54 mm AF)		
Racorduri	1/2”		
Diamentru interior recomandat furtun	13 mm		
Nivel zgomot	92 dB		
Nivel vibratii	<6,2 m/s²		
Lungime	- mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	11 kg		



MASTEREX 76739 NOU

Masina pneumatica de insurubat cu impact 3/4", 1350 Nm

• este esentiala pentru lucrul in zone periculoase precum minerit, lucru in spatii restranse, lucrari subterane etc.
• ideal pentru aplicarea unui cuplu ridicat la toate tipurile de elemente de fixare filetate cu o actiune simpla de declansare
• chiar si elementele de fixare cu niveluri foarte ridicate de rugina pot fi stranse si slabite.



ZONE M2 MINIERE

	Cuplu		
76739	1350 Nm	6400	**48047.02**
Presiune de lucru	6 bar		
Patrat antrenare	3/4"		
Cuplu maxim	1350 Nm		
Pentru suruburi si piulite	M30 (46 mm AF)		
Racorduri	R 1/4"f		
Diamentru interior recomandat furtun	13 mm		
Nivel zgomot	96 dB		
Nivel vibratii	<4,5 m/s²		
Lungime	280 mm		
Marcaje ATEX	EX I M2 c T6		
Greutate	6.4 kg		

MASTEREX 79725 NOU

Masina pneumatica de insurubat cu impact 3/4", 1350 Nm

• este esentiala pentru lucrul in zone periculoase precum minerit, lucru in spatii restranse, lucrari subterane etc.
• ideal pentru aplicarea unui cuplu ridicat la toate tipurile de elemente de fixare filetate cu o actiune simpla de declansare
• chiar si elementele de fixare cu niveluri foarte ridicate de rugina pot fi stranse si slabite.



ZONE 1, 2 GAZ

	Cuplu		
79725	610 Nm	2500	**9306.39**
Presiune de lucru	6 bar		
Patrat antrenare	1/2"		
Cuplu maxim	610 Nm		
Pentru suruburi si piulite	M20 (30 mm AF)		
Racorduri	R 1/4"f		
Diamentru interior recomandat furtun	10 mm		
Nivel zgomot	90 dB		
Nivel vibratii	<2,6 m/s²		
Lungime	- mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	2.5 kg		

MASTEREX 79607 1" NOU

Cheie dinamometrica pneumatica 1" 4 bar: 650 Nm / 6 bar: 750 Nm

• cheile dinamometrice EGA Master ATEX sunt folosite pentru a regla cuplul elementelor filetate
• au un mecanism care evita transferul unui cuplu suplimentar dupa atingerea valorii dorite a cuplului.



ZONE M2 MINIERE

	Cuplu		
79607	650 / 750 Nm	7800	**87491.06**
Presiune de lucru	4/6 bar		
Patrat antrenare	1"		
Acuratete	±5-10%		
Cuplu	4 bar: 650 Nm / 6 bar: 750 Nm		
Consum aer	4 bar: 0,55 m³/min / 6 bar: 0,75 m³/min		
Pentru suruburi si piulite	M30 (46 mm AF)		
Reversibila	da		
Racorduri	Rd 32 x 1/8"		
Diamentru interior furtun	10 mm		
Nivel zgomot	86.4 dB		
Nivel vibratii	<2,5 m/s²		
Marcaje ATEX	EX I M2 c T6		
Greutate	7,8 kg		

MASTEREX 79608 1" NOU

Cheie dinamometrica pneumatica 1" 4 bar: 1500 Nm / 6 bar: 1800 Nm

• cheile dinamometrice EGA Master ATEX sunt folosite pentru a regla cuplul elementelor filetate
• au un mecanism care evita transferul unui cuplu suplimentar dupa atingerea valorii dorite a cuplului.



ZONE M2 MINIERE

	Cuplu		
79608	1500 / 1800 Nm	8600	**90894.82**
Presiune de lucru	4/6 bar		
Patrat antrenare	1"		
Acuratete	±5-10%		
Cuplu	4 bar: 1500 Nm / 6 bar: 1800 Nm		
Consum aer	4 bar: 0,55 m³/min / 6 bar: 0,65 m³/min		
Pentru suruburi si piulite	M30 (46 mm AF)		
Reversibila	da		
Racorduri	Rd 32 x 1/8"		
Diamentru interior furtun	10 mm		
Nivel zgomot	86.4 dB		
Nivel vibratii	<2,5 m/s²		
Marcaje ATEX	EX I M2 c T6		
Greutate	8,6 kg		

MASTEREX 79609 1.1/2" NOU

Cheie dinamometrica pneumatica 1" 4 bar: 2800 Nm / 6 bar: 3600 Nm

• cheile dinamometrice EGA Master ATEX sunt folosite pentru a regla cuplul elementelor filetate
• au un mecanism care evita transferul unui cuplu suplimentar dupa atingerea valorii dorite a cuplului.



ZONE M2 MINIERE

	Cuplu		
79609	2800 / 3600 Nm	14900	**125076.39**
Presiune de lucru	4/6 bar		
Patrat antrenare	1.1/2"		
Acuratete	±5-10%		
Cuplu	4 bar: 2800 Nm / 6 bar: 3600 Nm		
Consum aer	4 bar: 1,30 m³/min / 6 bar: 1,70 m³/min		
Pentru suruburi si piulite	M48 (75 mm AF)		
Reversibila	da		
Racorduri	Rd 32 x 1/8"		
Diamentru interior furtun	10 mm		
Nivel zgomot	93 dB		
Nivel vibratii	<2,5 m/s²		
Marcaje ATEX	EX I M2 c T6		
Greutate	14,9 kg		

MASTEREX 79616 NOU

Fierastrau pneumatic cu banda 1 kW

• proiectat pentru aplicatii miniere generale, este ideal pentru cea mai grea utilizare in lucrari subterane, maritime, demolari in mare liber etc.
• in medii umede nu prezinta risc de soc electric sau scurtcircuit.
• este mai sigur de utilizat decat fierastraul electric in atmosfere cu risc de explozie
• are o capacitate de taiere de pana la 7"
• carcasa din otel inoxidabil



ZONE M2 MINIERE

	Putere		
79616	1 kW	13000	**71132.74**
Presiune de lucru	6 bar		
Capacitate taiere	Ø180 mm/AxB=180x180 mm/AxB=7x7"		
Putere	1 kW		
Material carcasa	INOX		
Consum aer	1,2 m³/min		
Racorduri	R 1/2"i		
Diamentru interior furtun	13 mm		
Nivel zgomot	81,7 dB		
Nivel vibratii	<2,5 m/s²		
Dimensiuni	730 x 285 x 290 mm		
Marcaje ATEX	EX I M2 c T6		
Greutate	13 kg		

MASTEREX 79658 NOU

Fierastrau pneumatic cu banda 0.5 kW

- *proiectat pentru aplicatii miniere generale, este ideal pentru cea mai grea utilizare in lucrari subterane, maritime, demolari in mare liber etc.*
- *in medii umede nu prezinta risc de soc electric sau scurtcircuit.*
- *este mai sigur de utilizat decat fierastraul electric in atmosfere cu risc de explozie*
- *are o capacitate de taiere de pana la 7"*
- *carcasa din aluminiu*

Pre Comanda



EGA Master ART IN INNOVATION

ZONE 1, 2 GAZ

	Putere		
79658	0.5 kW	19000	**35927.13**

Presiune de lucru	6 bar
Capacitate taiere	ø80 mm/AxB=80x100 mm/AxB=3"x4"
Putere	0.5 kW
Material carcasa	Aluminiu
Consum aer	0.5 m³/min
Racorduri	R 1/4"
Diamentru interior furtun	7 mm
Nivel zgomot	87.0 dB
Nivel vibratii	<2,5 m/s²
Dimensiuni	640 x 390 x 315 mm
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb
Greutate	19 kg

MASTEREX 79617 NOU

Fierastrau portabil pneumatic 1.1 kW

- *este conceput pentru cele mai dificile aplicatii in rafinarii, centrale electrice, constructii, aplicarii de demolare, industria petrolului*
- *o solutie ideala pentru taierea in spatii restranse*
- *tip supapa TWIST2*
- *dimensiune compacta ideala pentru taierea in spatii inguste*
- *este potrivit pentru foi de pana la 37" lungime*

Pre Comanda



ZONE 1, 2 GAZ

EGA Master ART IN INNOVATION

	Putere		
79617	1.1 kW	6400	**40688.52**

Presiune de lucru	6 bar
Cursa	60 mm
Numar de curse	330 curse / minut
Putere	1.1 kW
Tip supapa	TWIST2
Consum aer	1.45 m³/min
Racorduri	R 3/4" a
Diamentru interior furtun	13 mm
Nivel zgomot	84.0 dB
Nivel vibratii	<2,5 m/s²
Material carcasa	Aluminiu
Marcaje ATEX	EX II2GcT5
Greutate	6,4 kg

MASTEREX 79618 NOU

Fierastrau portabil pneumatic 1.1 kW

- *este conceput pentru cele mai dificile aplicatii in rafinarii, centrale electrice, constructii, aplicarii de demolare, industria petrolului*
- *o solutie ideala pentru taierea in spatii restranse*
- *tip supapa TWIST2*
- *dimensiune compacta ideala pentru taierea in spatii inguste*
- *este potrivit pentru foi de pana la 37" lungime*

Pre Comanda



ZONE M2 MINIERE

EGA Master ART IN INNOVATION

	Putere		
79618	1.1 kW	7500	**62293.43**

Presiune de lucru	6 bar
Cursa	60 mm
Numar de curse	330 curse / minut
Putere	1.1 kW
Tip supapa	TWIST2
Consum aer	1.45 m³/min
Racorduri	R 3/4" a
Diamentru interior furtun	13 mm
Nivel zgomot	84.0 dB
Nivel vibratii	<2,5 m/s²
Material carcasa	Zamak
Marcaje ATEX	EX I M2 Ex h I Mb T5
Greutate	7,5 kg

MASTEREX 36809 NOU

Fierastrau sabie pneumatic 1.25 kW

- *este conceput pentru cele mai dificile aplicatii in rafinarii, centrale electrice, constructii, aplicarii de demolare, industria petrolului*
- *o solutie ideala pentru taierea in spatii restranse*
- *dimensiune compacta ideala pentru taierea in spatii inguste*

Pre Comanda



EGA Master ART IN INNOVATION

ZONE 1, 2 GAZ

	Putere		
36809	1.25 kW	4000	**27933.79**

Presiune de lucru	6 bar
Cursa	28 mm
Numar de curse	2300 curse / minut
Putere	1.25 kW
Capacitate taiere lemn	160 mm
Capacitate taiere otel	19 mm
Consum aer	1.45 m³/min
Nivel zgomot	101-102 dB
Nivel vibratii	<2,5 m/s²
Marcaje ATEX	EX II 2G Ex h IIB T5 Gb
Greutate	4 kg

MASTEREX 79816 NOU

Fierastrau sabie pneumatic 1.0 kW

- *este conceput pentru cele mai dificile aplicatii in rafinarii, centrale electrice, constructii, aplicarii de demolare, industria petrolului*
- *o solutie ideala pentru taierea in spatii restranse*
- *dimensiune compacta ideala pentru taierea in spatii inguste*

Pre Comanda



EGA Master ART IN INNOVATION

ZONE M2 MINIERE

	Putere		
79816	1.0 kW	7000	**37875.02**

Presiune de lucru	6 bar
Cursa	28 mm
Numar de curse	1200 curse / minut
Putere	1.0 kW
Capacitate taiere lemn	160 mm
Capacitate taiere otel	19 mm
Consum aer	1.3 m³/min
Nivel zgomot	81-92 dB
Nivel vibratii	<2,5 m/s²
Marcaje ATEX	EX I M2 Ex h I Mb T5
Greutate	7 kg

MASTEREX 79836 NOU

Fierastrau circular pneumatic 1.8 kW

- *este conceput pentru cele mai dificile aplicatii in rafinarii, centrale electrice, constructii, aplicarii de demolare, industria petrolului*
- *o solutie ideala pentru taierea in spatii restranse*
- *dimensiune compacta ideala pentru taierea in spatii inguste*

Pre Comanda



EGA Master ART IN INNOVATION

ZONE: 2 GAZ

	Putere		
79836	1.8 kW	11000	**61090.48**

Presiune de lucru	6 bar
Capacitate	120 mm
Dimensiuni panza circular	≤ 320 mm
Putere	1.8 kW
Consum aer	2 m³/min
Racord	R 1/2"
Nivel zgomot	95 dB
Nivel vibratii	<2,5 m/s²
Marcaje ATEX	EX II 3G Ex h IIB T5 Gc
Greutate	11 kg

MASTEREX 79989 NOU

Fierastrau circular pneumatic 1.3 kW

- *este conceput pentru cele mai dificile aplicatii in rafinarii, centrale electrice, constructii, aplicarii de demolare, industria petrolului*
- *o solutie ideala pentru taierea in spatii restranse*
- *dimensiune compacta ideala pentru taierea in spatii inguste*

Pre Comanda



ZONE: 1, 2 GAZ

EGA Master ART IN INNOVATION

	Putere		
79989	1.3 kW	6500	**34303.91**

Presiune de lucru	6 bar
Capacitate	65 mm (90°) - 40 mm (45°)
Dimensiuni panza circular	≤ 190 mm
Putere	1.3 kW
Consum aer	1.5 m³/min
Racord	R 1/2"
Nivel zgomot	95,4 dB
Nivel vibratii	<2,5 m/s²
Marcaje ATEX	EX II 2G Ex h IIB T5 Gc
Greutate	6,5 kg

MASTEREX 79199 NOU

Fierastrau circular pneumatic 1.5 kW

- *este conceput pentru cele mai dificile aplicatii in rafinarii, centrale electrice, constructii, aplicarii de demolare, industria petrolului*
- *o solutie ideala pentru taierea in spatii restranse*
- *dimensiune compacta ideala pentru taierea in spatii inguste*

Pre Comanda



ZONE: 1, 2 GAZ

EGA Master ART IN INNOVATION

	Putere		
79199	1.5 kW	8600	**39389.84**

Presiune de lucru	6 bar
Capacitate	84 mm (90°) - 56 mm (45°)
Dimensiuni panza circular	≤ 230 mm
Putere	1.5 kW
Consum aer	2 m³/min
Racord	R 1/2"
Nivel zgomot	103,3 dB
Nivel vibratii	<2,5 m/s²
Marcaje ATEX	EX II 2G Ex h IIB T5 Gc
Greutate	8,6 kg

MASTEREX 79620 NOU

Ventilator pneumatic axial

- *ideal pentru ventilatie, rezervoare de deseuri ale navelor, depozite uleiuri, precum si lucrari interioare sau subterane etc.*
- *echipat cu priză cu impamantare*
- *protectie din aluminiu.*
- *fabricat din materiale care nu produc scantei si neferoase*
- *maner ergonomic pentru un transport usor.*

Pre Comanda



ZONE: 1, 2 GAZ

EGA Master ART IN INNOVATION

	Debit aer		
79620	0,57 m³ /s	13000	**26548.43**

Presiune de lucru	5 bar
Diametru nominal	300 mm
Lungime	350 mm
Inaltime	450 mm
Latime	450 mm
Consum aer	1.48 m³/min
Nivel zgomot	85 dB
Flux aer iesire	0.57 m³/s
Marcaje ATEX	EX II2GcT6
Greutate	13 kg

MASTEREX 79000 NOU

Ventilator pneumatic axial

- *ideal pentru ventilatie, rezervoare de deseuri ale navelor, depozite uleiuri, precum si lucrari interioare sau subterane etc.*
- *echipat cu priză cu impamantare*
- *protectie din aluminiu.*
- *fabricat din materiale care nu produc scantei si neferoase*

Pre Comanda



ZONE: 1, 2 GAZ

EGA Master ART IN INNOVATION

	Debit aer		
79000	3.15 m³ /s	32000	**71341.89**

Presiune de lucru	4 bar
Diametru nominal	400 mm
Lungime	440 mm
Cuplaj	cuplaj cu gheara mama 3/4"
Consum aer	2.03 m³/min
Nivel zgomot	92 dB
Flux aer iesire	3.15 m³/s
Marcaje ATEX	EX II 2G c IIB T6
Greutate	32 kg



MASTEREX 72984 NOU

Ventilator pneumatic axial

- *ideal pentru ventilatie, rezervoare de deseuri ale navelor, depozite uleiuri, precum si lucrari interioare sau subterane etc.*
- *echipat cu priză cu impamantare*
- *protectie din aluminiu.*
- *fabricat din materiale care nu produc scantei si neferoase*

Pre Comanda



ZONE: 1, 2 GAZ

EGA Master ART IN INNOVATION

	Debit aer		
72984	14,9-20,5m³ /s	3300	**12120.02**

Presiune de lucru	2-6 bar
Diametru nominal	100 mm
Lungime	410 mm
Cuplaj	G 3/8" f
Consum aer	1,6-2,3 m³/min
Nivel zgomot	100,8 dB
Flux aer iesire	14,9 (4 bar) / 17,7 (5 bar) / 20,5 (6 bar) m³/min
Marcaje ATEX	EX II 2G c T6
Greutate	3,3 kg

MASTEREX 72994 NOU

Ventilator pneumatic axial

- *ideal pentru ventilatie, rezervoare de deseuri ale navelor, depozite uleiuri, precum si lucrari interioare sau subterane etc.*
- *echipat cu priză cu impamantare*
- *protectie din aluminiu.*
- *fabricat din materiale care nu produc scantei si neferoase*

Pre Comanda



ZONE: M2 MINIERA

EGA Master ART IN INNOVATION

	Debit aer		
72994	14,9-20,5m³ /s	3300	**19478.52**

Presiune de lucru	2-6 bar
Diametru nominal	101,6 mm
Lungime	410 mm
Cuplaj	G 1/2" f
Consum aer	1,6-2,3 m³/min
Nivel zgomot	100,8 dB
Flux aer iesire	14,9 (4 bar) / 17,7 (5 bar) / 20,5 (6 bar) m³/min
Marcaje ATEX	EX I M2 c T6
Greutate	4,8 kg

AQUAMaster

EGA Master a lansat o gama foarte completa de scule pneumatice si hidraulice pentru aplicasii subacvatice; polizoare, masini de insurubat cu impact, masini de gaurit, fierastraie (etc.). Toate sunt special concepute pentru profesionistii care lucreaza de obicei in mediul subacvatic: barci scufundate, structuri scufundate, platforme petroliere, centrale hidroelectrice (etc.). Datorita designului lor, sunt potrivite pentru a fi utilizate la toate adancimile accesibile scafandrilor.



INAINTE DE FUNCTIONAREA SUBACVATICA

Testati masina pentru scurgeri.
Testati toate functiile masinii.
Pulverizati toate piesele in miscare cu lubrifiant OKS 8601 (sau similar).

DUPĂ OPERATIONARE SUBACVATICA

Curatati maşina.
Uscati masina cu aer comprimat.
Pulverizati toate piesele in miscare cu lubrifiant OKS 8601 (sau similar).



79900 NOU

Polizor pneumatic pentru mediu subacvatic 11600 rpm

• EGA Master ofera o gama larga de unelte pentru lucrari subacvatice, cum ar fi polizorul unghiular pneumatic
• un instrument versatil folosit în industria metalica si a constructiilor pentru a lucra cu diferite materiale (otel, beton, piatra, lemn etc.) in medii subacvatice.
• ideal pentru cele mai solicitante aplicatii de dslefuire sau lustruire in lucrarile de intretinere si inspectie subacvatice
• in functie de instrumentul de insertie ales, se pot face diverse lucrari precum slefuirea, polizarea, debavurarea, taierea, decuparea, indepartarea ruginii etc.
• puternic si usor

Pre Comanda



CE
EGA Master ART IN INNOVATION
AQUAMaster

	RPM		
79900	11600	2500	**27702.75**
Presiune de lucru	6,0 bar		
Racord aer	1/4"		
Nivel vibratii	< 2.5m/s2		
Nivel de zgomot	85,7 dBA		
Consum aer	1 m3/min		
Disc abraziv	≤ 125 mm		
Turatie mers in gol	11600 rpm		
Putere	0,90 kW		
Diametru furtun aer compreimat	≥10 mm		
Greutate	2,5 kg		



79901 NOU

Biax pneumatic drept pentru mediu subacvatic 20000 rpm

• EGA Master ofera o gama larga de unelte pentru lucrari subacvatice, cum ar fi polizorul drept pneumatic
• un instrument versatil folosit în industria metalica si a constructiilor pentru a lucra cu diferite materiale (otel, beton, piatra, lemn etc.) in medii subacvatice.
• ideal pentru cele mai solicitante aplicatii de dslefuire sau lustruire in lucrarile de intretinere si inspectie subacvatice
• in functie de instrumentul de insertie ales, se pot face diverse lucrari precum slefuirea, polizarea, debavurarea, taierea, decuparea, indepartarea ruginii etc.
• puternic si usor

Pre Comanda





CE
EGA Master ART IN INNOVATION
AQUAMaster

	RPM		
79901	20000	1400	**20777.07**
Presiune de lucru	6,0 bar		
Racord aer	1/4"		
Nivel vibratii	< 2.5m/s2		
Nivel de zgomot	85,9 dBA		
Consum aer	0,85 m3/min		
Penseta	6 mm		
Turatie mers in gol	20000 rpm		
Putere	0,70 kW		
Diametru furtun aer compreimat	≥10 mm		
Lungime	250 mm		
Greutate	1,4 kg		

MASTEREX 79902 NOU

Masina pneumatica de insurubat cu impact 3/4", 1350 Nm

• este esentiala pentru lucrul in zone periculoase precum minerit, lucru in spatii restranse, lucrari subterane etc.
• ideal pentru aplicarea unui cuplu ridicat la toate tipurile de elemente de fixare filetate cu o actiune simpla de declansare
• chiar si elementele de fixare cu niveluri foarte ridicate de rugina pot fi stranse si slabite.



Pre Comanda

CE
EGA Master ART IN INNOVATION
AQUAMaster

Ex CE ZONE 1, 2 GAZ

	Cuplu		
79902	1350 Nm	5600	**41770.67**
Presiune de lucru	6 bar		
Patrat antrenare	3/4"		
Cuplu maxim	1350 Nm		
Pentru suruburi si piulite	M30 (46 mm AF)		
Racorduri	1/4"		
Diamentru interior recomandat furtun	13 mm		
Nivel zgomot	96 dB		
Nivel vibratii	<4,5 m/s²		
Lungime	220 mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	5.6 kg		



MASTEREX 79904 NOU

Masina de gaurit pneumatica mandrina max. 13 mm

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase
• universala
• cu reducerea optima a zgomotului.
• putere: 0.5 kW
• maner ergonomic

Pre Comanda



CE
Ex ZONE 1, 2 GAZ
EGA Master ART IN INNOVATION
AQUAMaster

	RPM		
79904	1550	2100	**22566.25**
Presiune de lucru	6 bar		
Capacitate mandrina	10 mm		
Capacitate maxima gaurire in otel	10 mm		
Turatie mers in gol	1550 rpm		
Putere motor	0.5 kW		
Consum aer	0.6 m³/min		
Racorduri (interior / exterior)	R 1/4"f - R 3/8"f		
Diamentru interior recomandat furtun	≥ 10 mm		
Nivel zgomot	84 dB		
Nivel vibratii	<2,5 m/s²		
Lungime	235 mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	2100 kg		



MASTEREX 79606 NOU

Masina de gaurit cu pecutie pneumatica 0.5 kW

• perfect pentru gaurirea materialelor groase sau foarte dure precum beton, piatra etc. in medii periculoase
• optiunile de miscare de percutie si rotatie pot fi aplicate simultan, permitand o performanta mai usoara
• doua functii: gaurire cu ciocan sau gaurire normala
• maner suplimentar reglabil la 360º pentru diferite pozitii
• carcasa metalica robusta pentru o durabilitate mai mare

Pre Comanda



CE EGA Master ART IN INNOVATION AQUA Master Ex ZONE 1, 2 GAZ

	RPM		
79606	950	3300	**52808.55**
Presiune de lucru	6 bar		
Capacitate mandrina	13 mm		
Capacitate maxima gaurire in otel	13 mm		
Capacitate maxima gaurire in beton	20 mm		
Turatie mers in gol	950 rpm		
Putere motor	0.500 kW		
Consum de aer	0.6 m³/min		
Racorduri (interior / exterior)	R 1/4"f - R 3/8"f		
Diamentru interior recomandat furtun	10 mm		
Nivel zgomot	84 dB		
Nivel vibratii	<2,5 m/s²		
Lungime	300 mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	3.3 kg		





MASTEREX 79607 NOU

Masina de gaurit cu pecutie, SDS-plus pneumatica 0.5 kW

• esentiala pentru gaurirea materialelor precum beton, caramida, piatra
• rotirea este insotita de o miscare de percutie care provoaca ruperea materialului si permite avansarea burghiei facilitand realizarea gaurii
• echipat cu un ambreiaj de siguranta care protejeaza impotriva supraincarcarilor si blocajelor
• un maner lateral reglabil si un indicator de adancime ofera un confort sporit.



CE EGA Master ART IN INNOVATION AQUA Master Ex ZONE 1, 2 GAZ

	RPM		
79907	625	6300	**87491.06**
Presiune de lucru	6 bar		
Port-scula	SDS-max		
Percutie	3000 imp		
Capacitate maxima gaurire in beton	28 mm		
Turatie mers in gol	625 rpm		
Putere motor	0.500 kW		
Consum de aer	0.6 m³/min		
Racorduri (interior / exterior)	R 1/2" f / R 3/8" f		
Nivel zgomot	93 dB		
Nivel vibratii	<4.2 m/s²		
Diamentru interior recomandat furtun	≥ 13 mm		
Lungime	400 mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	6.3 kg		

MASTEREX 79908 NOU

Masina de gaurit cu pecutie, SDS-max pneumatica 0.5 kW

• esentiala pentru gaurirea materialelor precum beton, caramida, piatra
• rotirea este insotita de o miscare de percutie care provoaca ruperea materialului si permite avansarea burghiei facilitand realizarea gaurii
• echipat cu un ambreiaj de siguranta care protejeaza impotriva supraincarcarilor si blocajelor
• un maner lateral reglabil si un indicator de adancime ofera un confort sporit.



CE EGA Master ART IN INNOVATION AQUA Master Ex ZONE 1, 2 GAZ

	RPM		
79908	250	3300	**79773.34**
Presiune de lucru	6 bar		
Port-scula	SDS-max		
Percutie	2500 imp		
Capacitate maxima gaurire in zidarie	80 mm		
Capacitate maxima gaurire in beton	50 mm		
Turatie mers in gol	250 rpm		
Putere motor	1.500 kW		
Consum de aer	1.5 m³/min		
Racorduri (interior / exterior)	R 1/2" f / R 3/8" f		
Nivel zgomot	90.4 dB		
Nivel vibratii	<9.2 m/s²		
Diamentru interior recomandat furtun	≥ 13 mm		
Lungime	640 mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	13.3 kg		



MASTEREX 79357 NOU

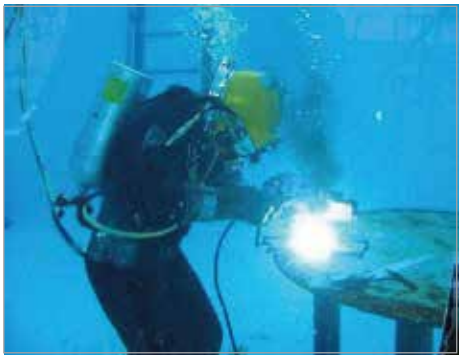
Masina de carotat pneumatica capacitate maxima 160 mm, 1.6 kW

• EGA Master ofera o gama larga de unelte si instrumente intrinsec sigure pentru utilizare in zone periculoase. Printre acestea compania produce masini de gaurit pneumatice, ideal pentru foraj in zone explozive
• masina de gaurit este perfecta pentru majoritatea lucrarilor de foraj in zone periculoase



CE EGA Master ART IN INNOVATION AQUA Master Ex ZONE 1, 2 GAZ

	RPM		
79357	400-900-1600	8200	**52375.47**
Presiune de lucru	6 bar		
Conexiune carote	1.1/4"UNC male / R1/2" female		
Trepte cuplu	49/31/16 Nm		
Turatie mers in gol	400-900-1600 rpm		
Putere motor	1.60 kW		
Diametru maxim carote	≤160 mm		
Consum aer	2.2 m³/min		
Racorduri	R 3/4" f		
Diamentru interior recomandat furtun	- mm		
Lungime	550 mm		
Marcaje ATEX	EX II 2G Ex h IIB T6 Gb		
Greutate	8200 kg		



79921 NOU

Polizor hidraulic pentru mediu subacvatic 3600 rpm

- *EGA Master ofera o gama larga de unelte pentru lucrari subacvatice, cum ar fi polizorul unghiular hidraulic*
- *un instrument versatil folosit in industria metalica si a constructiilor pentru a lucra cu diferite materiale (otel, beton, piatra, lemn etc.) in medii subacvatice.*
- *ideal pentru cele mai solicitante aplicatii de dslefuire sau lustruire in lucrarile de intretinere si inspectie subacvatice*
- *in functie de instrumentul de insertie ales, se pot face diverse lucrari precum slefuirea, polizarea, debavurarea, taierea, decuparea, indepartarea ruginii etc.*
- *puternic si usor*



Pre Comanda

CE

EGA Master ART IN INNOVATION

AQUA Master

	RPM		
79921	3600	5800	40905.07

Presiune de lucru	90-140 bar
Disc abraziv	≤ 230 mm
Filat disc	22.2/5/8-11UNC
Turatie mers in gol	3600 rpm
Putere	3,5 kW
Debit ulei	20-45 l/min
Racord	3/4"-16UNF
Greutate	5,8 kg



79909 NOU

Polizor hidraulic drept pentru mediu subacvatic 10400 rpm

- *EGA Master ofera o gama larga de unelte pentru lucrari subacvatice, cum ar fi polizorul unghiular hidraulic*
- *un instrument versatil folosit in industria metalica si a constructiilor pentru a lucra cu diferite materiale (otel, beton, piatra, lemn etc.) in medii subacvatice.*
- *ideal pentru cele mai solicitante aplicatii de slefuire sau lustruire in lucrarile de intretinere si inspectie subacvatice*
- *in functie de instrumentul de insertie ales, se pot face diverse lucrari precum slefuirea, polizarea, debavurarea, taierea, decuparea, indepartarea ruginii etc.*



CE

EGA Master ART IN INNOVATION

AQUA Master

Pre Comanda

	RPM		
79909	10400	5800	29867.19

Presiune de lucru	105 bar
Penseta	6 mm
Filet montaj	1/4"
Turatie mers in gol	10400 rpm
Putere	1,1 kW
Debit ulei	7,5 l/min
Racord	R 1/2"FF
Nivel zgomot	90,70 db
Nivel vibratii	<2,5 m/s²
Lungime	270 mm
Greutate	1,6 kg

79911 NOU

Polizor hidraulic drept pentru mediu subacvatic 7000 rpm

- *EGA Master ofera o gama larga de unelte pentru lucrari subacvatice, cum ar fi polizorul unghiular hidraulic*
- *un instrument versatil folosit in industria metalica si a constructiilor pentru a lucra cu diferite materiale (otel, beton, piatra, lemn etc.) in medii subacvatice.*
- *ideal pentru cele mai solicitante aplicatii de dslefuire sau lustruire in lucrarile de intretinere si inspectie subacvatice*
- *in functie de instrumentul de insertie ales, se pot face diverse lucrari precum slefuirea, polizarea, debavurarea, taierea, decuparea, indepartarea ruginii etc.*
- *puternic si usor*





Pre Comanda

CE

EGA Master ART IN INNOVATION

AQUA Master

	RPM		
79911	7000	7600	51509.86

Presiune de lucru	140 bar
Disc	≤ 200 mm
Turatie mers in gol	7000 rpm
Putere	1,8 kW
Debit ulei	18-50 l/min
Racord	1/2"FF
Nivel zgomot	80,60 db
Nivel vibratii	<2,5 m/s²
Greutate	7,6 kg

79917 NOU

Masina de insurubat hidraulica pentru mediu subacvatic 3/4" 1700 Nm

- *cheile hidraulice de impact EGA Master sunt instrumentele ideale pentru operatiuni subacvatice si operatiuni in atmosfere explozive: intretinere, reparatii si constructie*
- *esential pentru lucrarile de imersie, cum ar fi repararea si inspectia navelor, lucrarile de constructie si intretinere subacvatica*
- *esential pentru a lucra in zone periculoase precum industria petrolului, rafinarii, uzine chimice, minerit, lucrari subterane... etc.*
- *acesta este un instrument ideal pentru aplicarea cuplurilor mari la orice tip de surub datorita actiunii simple de declansare*
- *permite strangerea si desfacerea suruburilor, oricat de ruginite sunt acestea, imposibil de facut manual.*



Pre Comanda

CE

EGA Master ART IN INNOVATION

AQUA Master

ZONE 1, 2 GAZ

	Nm		
79917	1700	7300	51942.80

Categorie Atex	EX II2GcT5
Presiune de lucru	70-140 bar
Pentru suruburi si piulite	≤ M30 (46 mm AF)
Cuplu maxim	1700 Nm
Debit ulei	20-40 l/min
Conexiune	M18x1,5
Nivel zgomot	85,30 db
Nivel vibratii	3,8 m/s²
Diametru recomandat furtun	12 mm Øint.
Lungime	245 mm
Greutate	7,3 kg

79918 NOU

Masina de insurubat hidraulica pentru mediu subacvatic 1" 1700 Nm

- *cheile hidraulice de impact EGA Master sunt instrumentele ideale pentru operatiuni subacvatice si operatiuni in atmosfere explozive: intretinere, reparatii si constructie*
- *esential pentru lucrarile de imersie, cum ar fi repararea si inspectia navelor, lucrarile de constructie si intretinere subacvatica*
- *esential pentru a lucra in zone periculoase precum industria petrolului, rafinarii, uzine chimice, minerit, lucrari subterane... etc.*
- *acesta este un instrument ideal pentru aplicarea cuplurilor mari la orice tip de surub datorita actiunii simple de declansare*
- *permite strangerea si desfacerea suruburilor, oricat de ruginite sunt acestea, imposibil de facut manual.*



Pre Comanda

CE

EGA Master ART IN INNOVATION

AQUA Master

ZONE 1, 2 GAZ

	Nm		
79918	1700	7300	52375.47

Categorie Atex	EX II2GcT5
Presiune de lucru	70-140 bar
Pentru suruburi si piulite	≤ M30 (46 mm AF)
Cuplu maxim	1700 Nm
Debit ulei	20-40 l/min
Conexiune	M18x1,5
Nivel zgomot	85,30 db
Nivel vibratii	3,8 m/s²
Diametru recomandat furtun	12 mm Øint.
Lungime	245 mm
Greutate	7,3 kg

79919 NOU

Masina de insurubat hidraulica pentru mediu subacvatic 1" 2500 Nm

- *cheile hidraulice de impact EGA Master sunt instrumentele ideale pentru operatiuni subacvatice si operatiuni in atmosfere explozive: intretinere, reparatii si constructie*
- *esential pentru lucrarile de imersie, cum ar fi repararea si inspectia navelor, lucrarile de constructie si intretinere subacvatica*
- *esential pentru a lucra in zone periculoase precum industria petrolului, rafinarii, uzine chimice, minerit, lucrari subterane... etc.*
- *acesta este un instrument ideal pentru aplicarea cuplurilor mari la orice tip de surub datorita actiunii simple de declansare*
- *permite strangerea si desfacerea suruburilor, oricat de ruginite sunt acestea, imposibil de facut manual.*

Pre Comanda



CE

EGA Master ART IN INNOVATION

AQUA Master

ZONE 1, 2 GAZ

	Nm		
79919	2500	10700	69040.62

Categorie Atex	EX II 2G Ex h IIB T5 Gb
Presiune de lucru	140 bar
Pentru suruburi si piulite	≤ M36 (55 mm AF)
Cuplu maxim	2500 Nm
Debit ulei	25-45 l/min
Conexiune	1/2"FF
Diametru recomandat furtun	12 mm Øint.
Greutate	10,7 kg

79912 NOU

Masina de gaurit hidraulica pentru mediu subacvatic CM3 60 Nm

• masinile de gaurit EGA Master pentru utilizare subacvatica sunt solide, puternice si foarte usor de gestionat
• proiectate pentru gauri in mai multe tipuri de materiale in medii subacvatice: precum beton, carbune, piatra si de asemenea metal cu duritate medie.
• pot fi actionate cu ambele maini, oferind mai multa siguranta si confort la gaurire

Pre Comanda





CE EGA Master ART IN INNOVATION AQUA Master

	Nm		
79912	60	8500	**47289.54**

Presiune de lucru	140 bar
Mandrina	CM3
Cuplu maxim	60 Nm
Debit ulei	10 l/min
Conexiune	1/2"FF
Turatie mars in gol	280 rpm
Putere	1,6 kW
Nivel de sunet	85,2 db
Nivel de vibratii	<15,8 m/s²
Diametru recomandat furtun	12 mm Øint.
Greutate	10,7 kg

79915 NOU

Masina de gaurit hidraulica pentru mediu subacvatic SDS-plus® 1,2 kW

• ciocanele hidraulice EGA Master sunt proiectate pentru a gauri suprafete foarte rezistente si dure in medii subacvatice.
• esentiale pentru gaurirea materialelor precum beton, caramida, piatra pe care burghiile conventionale nu le-ar putea gauri
• echipat cu un ambreiaj de siguranta care protejeaza impotriva supraincarcarilor si blocajelor
• sistem SDS-Plus
• un maner lateral reglabil si un indicator de adancime ofera un confort sporit



Pre Comanda

CE EGA Master ART IN INNOVATION AQUA Master

ZONE 1, 2 GAZ

	RPM		
79915	500	8200	**55990.89**

Presiune de lucru	80 bar
Mandrina	SDS Plus
Impacturi pe minut	4460 bpm
Capacitate de gaurire	28 mm (beton) / 50 mm (zidărie)
Debit ulei	10-45 l/min
Conexiune	3/4"-16UNF
Turatie mars in gol	500rpm
Putere	1,2 kW
Nivel de sunet	92 db
Nivel de vibratii	4,5 m/s²
Lungime	460
Greutate	8,2 kg

79916 NOU

Masina de gaurit hidraulica pentru mediu subacvatic SDS-max1,2 kW

• ciocanele hidraulice EGA Master sunt proiectate pentru a gauri suprafete foarte rezistente si dure in medii subacvatice.
• esentiale pentru gaurirea materialelor precum beton, caramida, piatra pe care burghiile conventionale nu le-ar putea gauri
• echipat cu un ambreiaj de siguranta care protejeaza impotriva supraincarcarilor si blocajelor
• sistem SDS-max
• un maner lateral reglabil si un indicator de adancime ofera un confort sporit



CE Pre Comanda

EGA Master ART IN INNOVATION AQUA Master

ZONE 1, 2 GAZ

	RPM		
79916	270	14000	**89889.87**

Presiune de lucru	80 bar
Mandrina	SDS max
Impacturi pe minut	2300 bpm
Capacitate de gaurire	50 mm (beton) / 80 mm (zidărie)
Debit ulei	15-45 l/min
Conexiune	3/4"-16UNF
Turatie mars in gol	500rpm
Putere	1,2 kW
Nivel de sunet	92 db
Nivel de vibratii	9 m/s²
Lungime	640
Greutate	14,0 kg

79432 NOU

Masina de gaurit cu talpa magnetica hidraulica pentru mediu subacvatic CM3, 2,5 kW



Pre Comanda

CE EGA Master ART IN INNOVATION AQUA Master

ZONE 1, 2 GAZ

	RPM		
79432	40-250	22500	**140678.20**

Presiune de lucru	140 bar
Mandrina	CM3
Diametru maxim de gaurire	100 mm
Forta magnetica	850 kg
Debit ulei	20-23 l/min
Conexiune	3/4"-16UNF
Turatie mars in gol	40-250 rpm
Putere	2,5 kW
Nivel de sunet	79,8 db
Nivel de vibratii	<2,5 m/s²
Cursa	300 mm
Greutate	14,0 kg

79913 NOU

Fierastrau pendular orizontal hidraulic pentru mediu subacvatic 2,8 kW

• EGA Master ofera o gama larga de scule pentru utilizare subacvatica printre care puteti găsi fierastraul portabil hidraulic, ideal pentru operatiuni subacvatice care necesita taierea tevilor, rezervoarelor, structurilor din otel, profilelor si a altor materiale.
• poate fi folosit atat în medii subacvatice, cat si in zonele Atex
• este potrivit pentru cea mai dificila utilizare in rafinarii, uzine chimice, in industria constructiilor , pe langa industria petrolului in larg, precum si in lucrari de demolare.
• este esential pentru lucrarile de imersie precum: intretinerea si repararea navelor, aparate plutitoare si instalații scufundate, demolarea obstacolelor subacvatice; diguri, poduri, constructii subacvatice etc.
• este instrumentul ideal pentru taierea in spatii restranse
• proiectat pentru taierea tuburilor cu diametrul exterior de pana la 24"
• accepta panze de pana la 37"

Pre Comanda



CE EGA Master ART IN INNOVATION AQUA Master

ZONE 1, 2 GAZ

	RPM		
79913	500	6100	**49345.43**

Categoria Atex	Ex II2GcT5
Presiune de lucru	140 bar
Tip supapa	rasucire
Cursa	60 mm
Numar de lovituri	500 rpm
Debit ulei	10-50 l/min
Conexiune	3/4"-16UNF
Putere	2,8 kW
Nivel de sunet	86 db
Nivel de vibratii	<2,5 m/s²
Furtun (Øint)	12 mm
Greutate	6,1 kg





79914 NOU

Fierastrau sabie hidraulic pentru mediu subacvatic 1,5 kW

• EGA Master ofera o gama larga de scule pentru utilizare subacvatica printre care puteti gasi fierastraul sabie hidraulic, ideal pentru operatiuni subacvatice care necesita taierea tevilor, rezervoarelor, structurilor din otel, profilelor si a altor materiale.
• acesta este un instrument ideal pentru taierea rapida a tevilor, structurilor de otel, suruburilor, cuielor si a altor materiale in medii subacvatice
• esential pentru lucrari de imersie precum intretinerea si repararea navelor, aparate plutitoare si instalatii scufundate, platforme petroliere offshore, centrale hidraulice etc.
• dimensiunea sa compacta permite taierea in spatii inguste
• ofera cel mai bun raport putere-greutate
• este capabil sa taie lemn de pana la 152 mm si metal pana la 19 mm

Pre Comanda



CE Ex

EGA Master ART IN INNOVATION AQUA Master

ZONE 1, 2 GAZ

	RPM		
79914	1500	6000	42852.68
	Categoria Atex	Ex II 2G Ex h IIB T5 Gb	
	Presiune de lucru	140 bar	
	Tip supapa	trigger	
	Cursa	28 mm	
	Numar de lovituri	1500 rpm	
	Debit ulei	22-50 l/min	
	Conexiune	1/2"FF	
	Putere	1,5 kW	
	Nivel de sunet	89,4 db	
	Nivel de vibratii	<2,5 m/s²	
	Furtun (Øint)	12 mm	
	Greutate	6,1 kg	

79980 NOU

Fierastrau hidraulic cu lant pentru mediu subacvatic 7,7 kW

• EGA Master ofera o gama larga de scule pentru utilizare subacvatica printre care puteti gasi fierastraul cu lant hidraulic, ideal pentru operatiuni subacvatice
• esential pentru lucrari de imersie precum intretinerea si repararea navelor, aparate plutitoare si instalatii scufundate, platforme petroliere offshore, centrale hidraulice etc.
• dimensiunea sa compacta permite taierea in spatii inguste
• ofera cel mai bun raport putere-greutate

Pre Comanda



CE Ex

EGA Master ART IN INNOVATION AQUA Master

ZONE 1, 2 GAZ

	RPM		
79980	5000	10500	79789.92
	Categoria Atex	Ex II 2G c IIB T5	
	Presiune de lucru	140-200 bar	
	Turatie mars in gol	5000 rpm	
	Debit ulei	40-50 l/min	
	Conexiune	1/2"FF	
	Putere	7,7 kW	
	Nivel de sunet	85 db	
	Nivel de vibratii	<3,6 m/s²	
	Furtun (Øint)	12 mm	
	Greutate	10,5 kg	

NOU

Bara lant

• esential pentru lucrari de imersie precum intretinerea si repararea navelor, aparate plutitoare si instalatii scufundate, platforme petroliere offshore, centrale hidraulice etc.



EGA Master ART IN INNOVATION AQUA Master

Pre Comanda

	Produs	
74752	Sina 27 mm	4734.22
79981	Sina 43 mm	4103.13
79983	Sina 63 mm	6961.78
74755	Sina 73 mm	12444.56
74770	Sina 103 mm	14825.25

NOU

Lant

• esential pentru lucrari de imersie precum intretinerea si repararea navelor, aparate plutitoare si instalatii scufundate, platforme petroliere offshore, centrale hidraulice etc.



EGA Master ART IN INNOVATION AQUA Master

Pre Comanda

	Produs	
74354	27 mm	3263.58
74359	43 mm	2930.27
79986	63 mm	3462.84
74362	73 mm	3787.52
74369	103 mm	5004.83

NOU

Lant cu dinti diamantati

• esential pentru lucrari de imersie precum intretinerea si repararea navelor, aparate plutitoare si instalatii scufundate, platforme petroliere offshore, centrale hidraulice etc.



EGA Master ART IN INNOVATION AQUA Master

Pre Comanda

	Produs	
79982	Lant cu dinti Diamont 43 cm	27443.16
74405	Lant cu dinti Diamont 43cm Universal	29434.25
74624	Lant cu dinti Diamont 43cm Durata mare	28135.56

NOU

Lant cu dinti din carbura

• esential pentru lucrari de imersie precum intretinerea si repararea navelor, aparate plutitoare si instalatii scufundate, platforme petroliere offshore, centrale hidraulice etc.



EGA Master ART IN INNOVATION AQUA Master

Pre Comanda

	Produs	
74372	27 mm	9126.07
74375	43 mm	10244.31
79985	63 mm	17855.30
74393	73 mm	20549.80
74996	103 mm	21816.02

NOU

Protectie lant

• esential pentru lucrari de imersie precum intretinerea si repararea navelor, aparate plutitoare si instalatii scufundate, platforme petroliere offshore, centrale hidraulice etc.



EGA Master ART IN INNOVATION AQUA Master

Pre Comanda

	Produs	
74785	43 mm	813.21
79984	63 / 73 mm	1331.02

79920 NOU

Masina de carotat hidraulica pentru mediu subacvatic 2,8 kW

• EGA Master produce o gama larga de unelte subacuatice (subacvatice) masina de carotat hidraulica este una dintre ele
• permite realizarea de foraje subacvatice rapide si precise, pe multe suprafete de materiale diferite: piatra, caramida, beton
• 3 viteze de gaurire
• echipata cu un ambreiaj de siguranta care protejeaza impotriva supraincarcarilor si blocajelor
• manerul lateral reglabil la 360° permite lucrul in diferite pozitii
• control auto-reglabil al debitului de ule



Ex

EGA Master ART IN INNOVATION AQUA Master

ZONE 1, 2 GAZ

	RPM		
79920	380 / 900 / 1800	8500	57533.85
	Presiune de lucru	140 bar	
	Trepte turatie	380/900/1800 rpm	
	Cuplu	60/38/17 Nm	
	Carote standard	160 mm	
	Debit ulei	22-45 l/min	
	Conexiune	1/2"FF	
	Putere	2,8 kW	
	Lungime	480 mm	
	Greutate	8,5 kg	



MASTEREX 76757 NOU

Pompa hidraulica cu actionare electrica

• pompa hidraulica ATEX EGA Master 76757 nu numai ca ofera cele mai bune performante in ceea ce priveste presiunea si debitul pentru lucrul rapid si ergonomic, dar asigura si respectarea masurilor de siguranta cerute de Directiva 2014/34/UE pentru medii explozive
• aceste pompe sunt potrivite pentru operatiuni de ridicare prin actionarea cilindrilor hidraulici, pentru operatiuni de testare a presiunii si operatiuni de strangere hidraulica a suruburilor folosind chei dinamometrice hidraulice
• in conformitate cu directiva ATEX 2014/34/UE, astfel incat acestea pot fi utilizate in atmosfere explozive din zona 1 si zona 2 de risc
• capacitate rezervor de pana la 10 litri.
• motor electric trifazat, 1,1 kW
• supapă electrica pentru controlul cheii hidraulice
• accesorii incluse: cleste de impamantare, cadru cu roti, bloc cvadruplu pentru a utiliza pana la 4 chei dinamometrice, manometru 0/100 bar, telecomandă cu buton de control (cablu de 5 m) si supapa de evacuare externa reglabila



CE

ZONE 1, 2 GAZ

EGA Master ART IN INNOVATION

Pre Comanda

	Putere		
76757	1,1 kW	45000	**178102.31**

Tensiune	400 V
Putere	1,1 kW
Capacitate	10 l
Debit	7,5l/min. @ 70 bar / 0,9l/min @ 700 bar
Porturi	4
Categorie ATEX	EX II 2G Ex IIB T3 Gb X Tmax = +90°C
Dimensiuni	520x520x640 mm

79815 NOU

Ulei hidraulic



EGA Master ART IN INNOVATION

Pre Comanda

	litri		
79815	20	18560	**3084.25**

79999 NOU

Furtune hidraulice

• lungime: 10 m
• racorduri: 1/4”



EGA Master ART IN INNOVATION

Pre Comanda

	m		
79999	10	6500	**22075.61**



SCULE HIDRAULICE

KUDOS

este un producator profesional de scule hidraulice: clesti hidraulici de taiat, clesti hidraulici de sertizat si pompe hidraulice. Produsele au fost dezvoltate cu ajutorul celor mai moderne tehnologii americane si europene, respectand, in totalitate, cerintele standardelor ISO 9001, ISO 14001, IECQ QC 080001, OHSAS 18000 si SA 8000.

KuDos®
Professional Hydraulic Tools.

KuDos Professional Hydraulic Tools.

Certificari

ISO 9001:2008
Certificat Nr.: TA254-QC-EC

ISO 9001:2008

ISO 14001:2004
Certificat Nr.: TA254-QC-EC

ISO 14001:2004

IECQ QC 080001
Certificat Nr.:
TW-HSPM-1237-1

IECQ QC 080001

OHSAS 18001:2007
Certificat Nr.: 2008006

OHSAS 18001:2007



Clesti taietori electrohidraulici 671
Clesti de sertizat electrohidraulici 672
Clesti taietori hidraulici 673
Capete de taiere hidraulice 674
Clesti de sertizat hidraulici 676
Capete de sertizat hidraulice 679
Perforatoare hidraulice 681
Dispozitive hidraulice de taiat bare 682
Dispozitive hidraulice de indoit bare 682
Dispozitive hidraulice de indoit tevi 683
Pompe hidraulice 684
Despartitoare 685



KCV-50

Cleste taietor cu acumulator 18 V Li-ion

- *cutie plastic*
- *se livreaza cu acumulator 12 V si incarcator*

Cablu polietilena 600V-CV325 mm² (31 mm OD)
Cablu polietilena 600V-CV150 mm² x 3 (46 mm OD)
Cablu polietilena 600V-CV500 mm² (38 mm OD)
Cablu polietilena 600V-CVT150 mm² (45 mm OD)
Cablu multistrat izolat VVR150 mm² (47 mm OD) 3 straturi
Cablu cupru moale IV500 mm² (35 mm OD)
Cablu cupru dur 150 mm² (21 mm OD)









KCV-50	Φ 50 mm	1G	2200	**9200.00**
	Capacitate taiere cabluri neferoase		Φ 50 mm	
	Tip motor		18 V CC	
	Lungime		317 mm	
	Greutate		2,2 kg	

KCV-54AC

Cleste taietor cu acumulator 18 V Li-ion

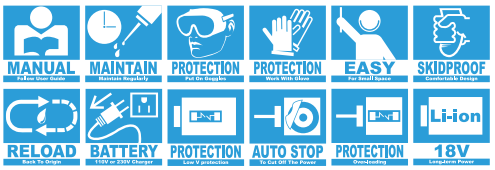
- *cutie plastic*
- *se livreaza cu acumulator 18 V si incarcator*

Cablu polietilena 600V-CV325 mm² (31 mm OD)
Cablu polietilena 600V-CV150 mm² x 3 (46 mm OD)
Cablu polietilena 600V-CV500 mm² (38 mm OD)
Cablu polietilena 600V-CVT150 mm² (45 mm OD)
Cablu multistrat izolat VVR150 mm² (47 mm OD) 3 straturi
Cablu cupru moale IV500 mm² (35 mm OD)
Cablu cupru dur 150 mm² (21 mm OD)









KCV-54AC	Φ 54 mm	1G	2900	**12650.00**
	Capacitate taiere cabluri neferoase		Φ 54 mm	
	Tip motor		18 V CC	
	Lungime		317 mm	
	Greutate		2,2 kg	

KCV-54

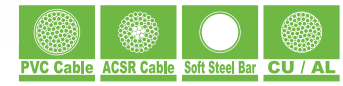
Cleste taietor cu acumulator 18 V Li-ion

- *cutie plastic*
- *se livreaza cu acumulator 18 V si incarcator*

Cablu de polietilena 600V-CV325 mm² (31 mm OD)
Cablu multistrat cu izolatie VVR150mm² (47 mm OD) 3 straturi
SB-ACSR ACSR120mm² (18,6 mm OD)
Cablu din aluminiu dur HAL-OC400mm² (31,9 mm OD)
Cablu de cupru dur OE-OC150mm² (21mm OD)
Cablu SS 0,4 mm, 400 CPC-F-SS (CR)
Cablu LCCP fara suport de sarma cu diametrul exterior de 54 mm









KCV-54	Φ 54 mm	1G	3000	**15308.20**
	Capacitate taiere cabluri neferoase		Φ 54 mm	
	Capacitate taiere cabluri telefonice		cu 400 conductori	
	Tip motor		18 V CC	
	Lungime		338 mm	
	Greutate		3,0 kg	

KCV-65

Cleste taietor cu acumulator 18 V Li-ion

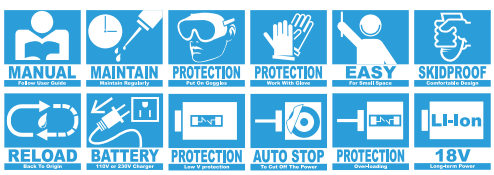
- *cutie plastic*
- *se livreaza cu acumulator 18 V si incarcator*

Cablu polietilena 600V-CV325 mm² (31 mm OD)
Cablu polietilena 600V-CV150 mm² x 3 (46 mm OD)
Cablu polietilena 600V-CV500 mm² (38 mm OD)
Cablu polietilena 600V-CVT150 mm² (45 mm OD)
Cablu multistrat izolat VVR150 mm² (47 mm OD) 3 str
Cablu cupru moale IV500 mm² (35 mm OD)









KCV-65	Φ 65 mm	1G	3500	**13168.44**
	Capacitate taiere cabluri neferoase		Φ 65 mm	
	Tip motor		18 V CC	
	Lungime		340 mm	
	Greutate		3,5 kg	

LEC-U27

Cleste electrohidraulic de sertizat cu acumulator 18 V Li-ion

- *cutie plastic si curea umar*
- *se livreaza cu acumulator 18 V si incarcator*



HEXAGONAL · INDENT TYPE · TERMINAL · C-CONNECT · SPEED DELIVERY

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY · SKIDPROOF

RELOAD · BATTERY · PROTECTION · AUTO STOP · PROTECTION · Li-ion 18V

LEC-U27	400 mm²	1G	7000	**20945.08**

Capacitate maxima	400 mm²
Forta exercitata	12,7 tone (125 kN)
Deschiderea falcilor	27 mm
Lungime	323 mm
Greutate	7,0 kg

LEC-S45

Cleste electrohidraulic de taiat cu acumulator 18 V Li-ion

- *cutie plastic si curea umar*
- *se livreaza cu acumulator 18 V si incarcator*



pentru cabluri cu insertii de cupru, cabluri aluminiu, ASCR

Bare Strands · ACSR Cable · GUY WIRE · Soft Steel Bar · CU / AL

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY · SKIDPROOF

RELOAD · BATTERY · PROTECTION · AUTO STOP · PROTECTION · Li-ion 18V

LEC-S45	Φ 45 mm	1G	7100	**24168.85**

Capacitate maxima	9,7 tone (96 kN)
Forta exercitata	27 mm
Necesar ulei	70 cc
Lungime	328 mm
Greutate	7,1 kg

LEC-32T

Cleste electrohidraulic de sertizat cu acumulator 18 V Li-ion

- *cutie plastic si curea umar*
- *se livreaza cu acumulator 18 V si incarcator*



accepta toate bacurile utilizate de Alcoa, Burndy, T&B, Klauke, Cembre si Blackburn bacuri tip U 12 ton potrivit pentru terminale cu grosimea peretilor mai mica decat DIN 46235

HEXAGONAL · INDENT TYPE · TERMINAL · C-CONNECT · SPEED DELIVERY

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY · SKIDPROOF

RELOAD · BATTERY · PROTECTION · AUTO STOP · PROTECTION · Li-ion 18V

LEC-32T	400 mm²	1G	7000	**20530.33**

Capacitate maxima	400 mm²
Forta exercitata	12,7 tone (125 kN)
Deschiderea falcilor	32 mm
Lungime	328 mm
Greutate	7,0 kg

LEC-C85

Cleste electrohidraulic de taiat cu acumulator 18 V Li-ion

- *cutie plastic si curea umar*
- *se livreaza cu acumulator 18 V si incarcator*



pentru cabluri de cupru, cabluri aluminiu

CU / AL · Soft Steel Bar · SPEED DELIVER

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY · SKIDPROOF

RELOAD · BATTERY · PROTECTION · AUTO STOP · PROTECTION · Li-ion 18V

LEC-C85	Φ 85 mm	1G	8000	**29768.03**

Capacitate maxima	Φ 85 mm
Forta exercitata	5,6 tone (96 kN)
Necesar ulei	73 cc
Lungime	345 mm
Greutate	8,0 kg

HYSC-24

Cleste hidraulic pentru taiat cabluri max Ø24 mm

- *cap rotativ de 180° pentru o operare convenabila.*
- *taiere superioara de tip ghilotina pentru mai putina presare decat alte taietoare de acest tip*
- *pompa cu o singura etapa*
- *lamele sunt usor de inlocuit.*
- *zavor rabatabil pentru inserarea usoara a materialului de taiat*
- *actiune pompa cu un singur stadiu cu revenire cu arc.*
- *nu este necesar un timp de configurare.*
- *instrument usor, autonom, poate fi utilizat oriunde.*



■ **Capacitate de taiere:**
sarma 6x7: 24 mm
sarma 6x12: 24 mm
sarma 6x19: 24 mm
bara de cupru moale: 23 mm
bara din aluminiu moale: 24 mm
bara din otel moale: 16 mm
toroane Cu: 24 mm
toroane Al: 24 mm
ACSR: 24 mm



HYSC-24	Φ 24 mm	1G	2700	**6843.44**
		Capacitate maxima	Φ 24 mm	
		Forta exercitata	6,7 tone (66 kN)	
		Necesar ulei	56 cc	
		Presiune maxima	700 bar	
		Lungime	360 mm	
		Greutate	2,7 kg	
HYSC-24#11	Φ 24 mm	Cutit de schimb		**808.77**

HYSC-32

Cleste hidraulic pentru taiat cabluri max Ø32 mm

- *cap rotativ de 180° pentru o operare convenabila.*
- *taiere superioara de tip ghilotina pentru mai putina presare decat alte taietoare de acest tip*
- *pompa cu o singura etapa*
- *lamele sunt usor de inlocuit.*
- *zavor rabatabil pentru inserarea usoara a materialului de taiat*
- *actiune pompa cu un singur stadiu cu revenire cu arc.*
- *nu este necesar un timp de configurare.*
- *instrument usor, autonom, poate fi utilizat oriunde.*



■ **Capacitate de taiere:**
sarma 6x7: 32 mm
sarma 6x12: 32 mm
sarma 6x19: 32 mm
bara din otel moale: 25 mm
tija de armare: 25 mm
toroane Cu: 32 mm
toroane Al: 32 mm
ACSR: 32 mm
sarma tip lx7: 32 mm
sarma tip 1X19: 32 mm
cablu subteran: 32 mm
* Taierea firului de pian este interzisa.



HYSC-32	Φ 32 mm	1G	9100	**10067.21**
		Capacitate maxima	Φ 32 mm	
		Forta exercitata	14,3 tone (141 kN)	
		Necesar ulei	165 cc	
		Presiune maxima	700 bar	
		Lungime	580 mm	
		Greutate	9,1 kg	
HYSC-32#56	Φ 32 mm	Cutit de schimb		**1036.89**

HYSC-45

Cleste hidraulic pentru taiat cabluri max Ø45 mm

- *cap rotativ de 180° pentru o operare convenabila.*
- *taiere superioara de tip ghilotina pentru mai putina presare decat alte taietoare de acest tip*
- *pompa cu o singura etapa*
- *lamele sunt usor de inlocuit.*
- *zavor rabatabil pentru inserarea usoara a materialului de taiat*
- *actiune pompa cu un singur stadiu cu revenire cu arc.*
- *nu este necesar un timp de configurare.*
- *instrument usor, autonom, poate fi utilizat oriunde.*



■ **Capacitate de taiere:**
sarma 6x7: 40 mm
sarma 6x12: 40 mm
sarma 6x19: 40 mm
bara de cupru moale: 40 mm
bara din aluminiu moale: 40 mm
bara din otel moale: 20 mm
toroane Cu: 40 mm
toroane Al: 40 mm
ACSR: 40 mm



HYSC-45	Φ 45 mm	1G	6700	**9331.97**
		Capacitate maxima	Φ 45 mm	
		Forta exercitata	10,73 tone (95.5 kN)	
		Necesar ulei	70 cc	
		Presiune maxima	700 bar	
		Lungime	683 mm	
		Greutate	6,7 kg	

HYCC-050

Cleste hidraulic pentru taiat cabluri max Ø50 mm

- *cap rotativ de 180° pentru o operare convenabila.*
- *taiere superioara de tip ghilotina pentru mai putina presare decat alte taietoare de acest tip*
- *pompa cu o singura etapa*
- *lamele sunt usor de inlocuit.*
- *zavor rabatabil pentru inserarea usoara a materialului de taiat*
- *actiune pompa cu un singur stadiu cu revenire cu arc.*
- *nu este necesar un timp de configurare.*
- *instrument usor, autonom, poate fi utilizat oriunde.*



■ **Capacitate de taiere:**
toroane Cu: 50 mm
toroane Al: 50 mm
CCP: 50 mm
* Taierea firului de pian este interzisa.



HYCC-050	Φ 50 mm	1G	6700	**7050.82**
		Capacitate maxima	Φ 50 mm	
		Forta exercitata	5 tone (49 kN)	
		Necesar ulei	89 cc	
		Presiune maxima	700 bar	
		Lungime	486 mm	
		Greutate	3,9 kg	

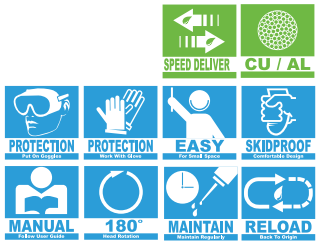
HYCC-P85

Cleste hidraulic pentru taiat cabluri max Ø85 mm

- *cap rotativ de 180° pentru o operare convenabila.*
- *taiere superioara de tip ghilotina pentru mai putina presare decat alte taietoare de acest tip*
- *actiune de pompare în doua etape pentru avans rapid al lamei*
- *lamele sunt usor de inlocuit.*
- *revenire cu arc.*
- *nu este necesar un timp de configurare.*
- *instrument usor, autonom, poate fi utilizat oriunde.*



■ **Capacitate de taiere:**
toroane Cu: 28 mm
toroane Al: 38 mm
CCP: 85 mm
cablu subteran: 50 mm (cu exceptia cablului ranforsat)
* Taierea firului de pian este interzisa.



KuDos Professional Hydraulic Tools

	Ø			
HYCC-P85	Φ 85 mm	1G	9700	**9954.10**
		Capacitate maxima	Φ 85 mm	
		Forta exercitata	5.47 tone (48.7 kN)	
		Necesar ulei	66 cc	
		Presiune maxima	700 bar	
		Lungime	716 mm	
		Greutate	9,7 kg	
HYCC-P85#57	Φ 85 mm	Cutit de schimb		**1119.84**

TC-085

Cleste hidraulic pentru taiat cabluri max Ø85 mm

- *cap rotativ de 180° pentru o operare convenabila.*
- *taiere superioara de tip ghilotina pentru mai putina presare decat alte taietoare de acest tip*
- *actiune de pompare în doua etape pentru avans rapid al lamei*
- *lamele sunt usor de inlocuit.*
- *revenire cu arc.*
- *nu este necesar un timp de configurare.*
- *instrument usor, autonom, poate fi utilizat oriunde.*



■ **Capacitate de taiere:**
toroane Cu: 85 mm
toroane Al: 85 mm
CCP: 85 mm
* Taierea firului de pian este interzisa.



KuDos Professional Hydraulic Tools

	Ø			
TC-085	Φ 85 mm	1G	8500	**9445.08**
		Capacitate maxima	Φ 85 mm	
		Forta exercitata	5.6 tone (56 kN)	
		Necesar ulei	168 cc	
		Presiune maxima	700 bar	
		Lungime	667 mm	
		Greutate	8,5 kg	
TC-085#4	Φ 85 mm	Cutit de schimb		**1659.02**

HYSC-20HE

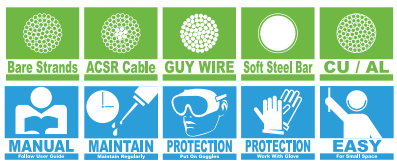
Cap hidraulic pentru taiat cabluri max Ø20 mm

- *taiere rapida cu functionare de la distanta*
- *poate fi actionat orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10000 psi)*
- *angrenare piston / cilindru cu actiune simpla*
- *lamele sunt usor de inlocuit*
- *zavor rabatabil pentru inserarea usoara a materialului de taiat*
- *cilindru cu actiune simpla cu intoarcere cu arc.*



■ **Capacitate de taiere:**
cablu de sarma 6x7: 16 mm
cablu de sarma 6x12: 20 mm
cablu de sarma 6x19: 20 mm
bara de cupru moale: 20 mm
bara de aluminiu moale: 16 mm
cablu subteran: 18 mm
bara de otel moale: 16 mm
tija de armare: 13 mm
toroane Cu: 20 mm
toroane Al: 20 mm
ACSR: 21 mm
sarma tip 1x7: 15 mm
sarma tip 1X19: 16 mm
* Taierea firului de pian este interzisa.





KuDos Professional Hydraulic Tools

	Ø			
HYSC-20HE	Φ 20 mm	1G	2100	**4354.92**
		Capacitate maxima	Φ 20 mm	
		Forta exercitata	5.84 tone (52 kN)	
		Necesar ulei	19 cc	
		Presiune maxima	700 bar	
		Lungime	240 mm	
		Greutate	2,1 kg	

HYSC-32HE

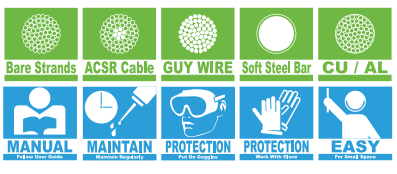
Cap hidraulic pentru taiat cabluri max Ø32 mm

- *taiere rapida cu functionare de la distanta*
- *poate fi actionat orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10000 psi)*
- *angrenare piston / cilindru cu actiune simpla*
- *lamele sunt usor de inlocuit*
- *zavor rabatabil pentru inserarea usoara a materialului de taiat*
- *cilindru cu actiune simpla cu intoarcere cu arc.*



■ **Capacitate de taiere:**
cablu de sarma 6x7: 32 mm
cablu de sarma 6x12: 32 mm
cablu de sarma 6x19: 32 mm
bara de cupru moale: 32 mm
bara de aluminiu moale: 32 mm
cablu subteran: 32 mm
bara de otel moale: 25 mm
tija de armare: 25 mm
toroane Cu: 32 mm
toroane Al: 32 mm
ACSR: 32 mm
sarma tip 1x7: 32 mm
sarma tip 1X19: 32 mm
* Taierea firului de pian este interzisa.





KuDos Professional Hydraulic Tools

	Ø			
HYSC-32HE	Φ 32 mm	1G	8900	**6843.44**
		Capacitate maxima	Φ 32 mm	
		Forta exercitata	25.4 tone (249 kN)	
		Necesar ulei	135 cc	
		Presiune maxima	700 bar	
		Lungime	300 mm	
		Greutate	8.9 kg	

HYCC-35HE

Cap hidraulic pentru taiat cabluri max Ø32 mm

- *taiere rapida cu functionare de la distanta*
- *poate fi actionat orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10000 psi)*
- *angrenare piston / cilindru cu actiune simpla*
- *lamele sunt usor de inlocuit*
- *forma C pentru acces rapid pe cabluri*



■ **Capacitate de taiere:**
toroane Cu: 35 mm
toroane Al: 35 mm
* Taierea firului de pian este interzisa.





HYCC-35HE	Φ 35 mm	1G	3700	**7088.52**

Capacitate maxima	Φ 35 mm
Forta exercitata	7.03 tone (62.5 kN)
Necesar ulei	67 cc
Presiune maxima	700 bar
Lungime	365 mm
Greutate	3.7 kg

HYCC-P85HE

Cap hidraulic pentru taiat cabluri max Ø85 mm

- *taiere rapida cu functionare de la distanta*
- *poate fi actionat orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10000 psi)*
- *angrenare piston / cilindru cu actiune simpla*
- *lamele sunt usor de inlocuit*



■ **Capacitate de taiere:**
toroane Cu: 28 mm
toroane Al: 38 mm
CCP: 85 mm
cablu subteran: 50 mm (cu exceptia cablului ranforsat)
* Taierea firului de pian este interzisa.







HYSC-P85HE	Φ 85 mm	1G	6600	**6541.80**

Capacitate maxima	Φ 85 mm
Forta exercitata	5.47 tone (48.7 kN)
Necesar ulei	65 cc
Presiune maxima	700 bar
Lungime	430 mm
Greutate	6.6 kg

HYSC-55HE

Cap hidraulic pentru taiat cabluri max Ø55 mm

- *taiere rapida cu functionare de la distanta*
- *poate fi actionat orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10000 psi)*
- *angrenare piston / cilindru cu actiune simpla*
- *lamele sunt usor de inlocuit*
- *zavor rabatabil pentru inserarea usoara a materialului de taiat*
- *cilindru cu actiune simpla cu intoarcere cu arc.*



■ **Capacitate de taiere:**
cablu de sarma 6x7: 25 mm
cablu de sarma 6x12: 30 mm
cablu de sarma 6x19: 30 mm
bara de cupru moale: 35 mm
bara de aluminiu moale: 28 mm
cablu subteran: 50 mm
bara de otel moale: 22 mm

* Taierea firului de pian este interzisa.

tija de armare: 19 mm
toroane Cu: 50 mm
toroane Al: 50 mm
ACSR: 50 mm
sarma tip 1x7: 15 mm
sarma tip 1X19: 20 mm







HYSC-55HE	Φ 55 mm	1G	8400	**9331.97**

Capacitate maxima	Φ 55 mm
Forta exercitata	16.44 tone (146.3 kN)
Necesar ulei	107 cc
Presiune maxima	700 bar
Lungime	415 mm
Greutate	8.4 kg

TC-085HE

Cap hidraulic pentru taiat cabluri max Ø85 mm

- *taiere rapida cu functionare de la distanta*
- *poate fi actionat orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10000 psi)*
- *angrenare piston / cilindru cu actiune simpla*
- *lamele sunt usor de inlocuit*



■ **Capacitate de taiere:**
toroane Cu: 85 mm
toroane Al: 85 mm
CCP: 85 mm
* Taierea firului de pian este interzisa.







TC-085HE	Φ 85 mm	1G	5100	**6409.84**

Capacitate maxima	Φ 85 mm
Forta exercitata	6.23 tone (55.4 kN)
Necesar ulei	73 cc
Presiune maxima	700 bar
Lungime	373 mm
Greutate	5.1 kg

HYCC-P100HE

Cap hidraulic pentru taiat cabluri max Ø85 mm

- *taiere rapida cu functionare de la distanta*
- *poate fi actionat orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10000 psi)*
- *angrenare piston / cilindru cu actiune simpla*
- *lamele sunt usor de inlocuit*



■ **Capacitate de taiere:**
toroane Cu: 42 mm
toroane Al: 46 mm
CCP: 100 mm
* Taierea firului de pian este interzisa.



CU / AL

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY

KuDos Professional Hydraulic Tools

HYSC-P100HE	Φ 100 mm	1G	12700	9539.34
	Capacitate maxima		Φ 100 mm	
	Forta exercitata		9.73 tone (86.6 kN)	
	Necesar ulei		140 cc	
	Presiune maxima		700 bar	
	Lungime		544 mm	
	Greutate		12.7 kg	

TC-120HE

Cap hidraulic pentru taiat cabluri max Ø120 mm

- *taiere rapida cu functionare de la distanta*
- *poate fi actionat orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10000 psi)*
- *angrenare piston / cilindru cu actiune simpla*
- *lamele sunt usor de inlocuit*



■ **Capacitate de taiere:**
toroane Cu: 50 mm
toroane Al: 50 mm
CCP: 120 mm
* Taierea firului de pian este interzisa.



CU / AL

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY

KuDos Professional Hydraulic Tools

TC-120HE	Φ 120 mm	1G	8900	13347.54
	Capacitate maxima		Φ 120 mm	
	Forta exercitata		11.77 tone (104.7 kN)	
	Necesar ulei		193 cc	
	Presiune maxima		700 bar	
	Lungime		560 mm	
	Greutate		9.8 kg	

HYCC-105HE

Cap hidraulic pentru taiat cabluri max Ø105 mm

- *taiere rapida cu functionare de la distanta*
- *poate fi actionat orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10000 psi)*
- *angrenare piston / cilindru cu actiune simpla*
- *lamele sunt usor de inlocuit*





■ **Capacitate de taiere:**
toroane Cu: 42 mm
toroane Al: 46 mm
CCP: 105 mm
* Taierea firului de pian este interzisa.

CU / AL

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY

KuDos Professional Hydraulic Tools

HYCC-105HE	Φ 105 mm	1G	13200	11311.48
	Capacitate maxima		Φ 105 mm	
	Forta exercitata		11.24 tone (100 kN)	
	Necesar ulei		178 cc	
	Presiune maxima		700 bar	
	Lungime		590 mm	
	Greutate		13.2 kg	

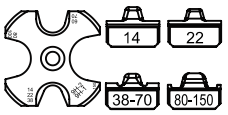
9H-150

Cleste hidraulic pentru sertizat maxim 150 mm²

- *pentru terminale neizolate si mansoane pana la 150 mm²*
- *cu bacuri 14, 22, 38~70 si 80~150 mm²*
- *greutate redusa, design compact in ingust*
- *cap totativ pentru reglare usoara*
- *pompa in doua etape pentru avans rapid*
- *cutie plastic*







INDENT TYPE · TERMINAL · SPEED DELIVERY

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY · SKIDPROOF

180° · RELOAD

KuDos Professional Hydraulic Tools

9H-150	Φ 150 mm	1G	5200	6127.05
	Capacitate maxima		Φ 150 mm	
	Forta exercitata		14.01 tone (124.6 kN)	
	Necesar ulei		21 cc	
	Presiune maxima		700 bar	
	Lungime		528 mm	
	Greutate		5.0 kg	

HYCP-185

Cleste hidraulic pentru sertizat maxim 185 mm²

- *include bacuri HYCP 185 (AHE dies) AHE 1016/2535/5070/95120/150/185*
- *pentru bacuri tip BEKU*
- *greutate redusa, design compact in ingust*
- *cap totativ pentru reglare usoara*
- *cilindru cu simpla actiune cu arc de revenire*
- *cursa reglabila, 10-15 mm pentru a minimiza actiune pompei*
- *valva de siguranta bypass incorporata*
- *cutie plastic*



HYCP-185	185 mm²	1G	2400	**6522.95**
		Capacitate maxima	185 mm²	
		Forta exercitata	5.85 tone (52.0 kN)	
		Necesar ulei	16 cc	
		Presiune maxima	550 bar	
		Lungime	373 mm	
		Greutate	2.4 kg	

PH-300

Cleste hidraulic pentru sertizat maxim 300 mm²

- *include bacuri PH 300 T 16/25/35/50/70/95/120/150/185/240/300*
- *pentru bacuri tip BEKU*
- *greutate redusa, design compact in ingust*
- *pentru bacuri Alcoa, Burndy, T&B, Klauke, Cembreand Blackburn*
- *sistem hidraulic in doua etape pentrureducerea numarului de pompari*
- *cap rotativ la 180º pentru operare facila*
- *valva de siguranta pentru protectie la suprasarcina*
- *pentru bacuri semirotunde*
- *cutie plastic*



PH-300	300 mm²	1G	3200	**10368.85**
		Capacitate maxima	300 mm²	
		Forta exercitata	6.90 tone (61.4 kN)	
		Necesar ulei	18 cc	
		Presiune maxima	550 bar	
		Lungime	427 mm	
		Greutate	3.2 kg	

HYCP-240R

Cleste hidraulic pentru sertizat max 240 mm²

- *include bacuri HYCP 240 (AHE dies) AHE 1016/2535/5070/95120/150/185/240*
- *pentru bacuri tip BEKU*
- *greutate redusa, design compact in ingust*
- *cap rotativ pentru reglare usoara*
- *cilindru cu simpla actiune cu arc de revenire*
- *cursa reglabila, 10-15 mm pentru a minimiza actiune pompei*
- *valva de siguranta bypass incorporata*
- *cutie plastic*



HYCP-240R	240 mm²	1G	2400	**7852.05**
		Capacitate maxima	240 mm²	
		Forta exercitata	5.85 tone (52.0 kN)	
		Necesar ulei	23 cc	
		Presiune maxima	550 bar	
		Lungime	377 mm	
		Greutate	2.4 kg	

UCP-240

Cleste hidraulic pentru sertizat maxim 240 mm²

- *pentru bacuri tip BEKU (nu sint incluse in setul de livrare)*
- *pentru sertizare hexagonala: 10-240 mm²*
- *mansoane cupru si conectori NFC 20.130: 10-240 mm²*
- *bara Cu sau Al sau mansoane izolate: E54 pana la E230*
- *mansoane Cu sau Al si conectori DIN 48083: KZ6 pana la kz25*
- *greutate redusa, design compact in ingust*
- *sistem hidraulic in doua etape pentrureducerea numarului de pompari*
- *cap rotativ la 180º pentru operare facila*
- *valva de siguranta pentru protectie la suprasarcina*
- *pentru bacuri semirotunde*
- *cutie plastic*



UCP-240	240 mm²	1G	4600	**7050.82**
		Capacitate maxima	240 mm²	
		Forta exercitata	9.73 tone (86.6 kN)	
		Necesar ulei	42 cc	
		Presiune maxima	700 bar	
		Lungime	630 mm	
		Greutate	4.6 kg	

UCP-2712

Cleste hidraulic pentru sertizat maxim 400 mm²

- *include bacuri UCP-2712 (Cu dies) CU 16/25/35/50/70/95/120/150/185/240/300/400*
- *compresie maxima conectori Cu 400 mm²*
- *pentru bacuri Alcoa, Burndy, T&B, Klauke, Cembreand si Blackburn pana la 12 tone*
- *greutate redusa, design compact in ingust*
- *sistem hidraulic in doua etape pentru reducerea numarului de pompari*
- *cap rotativ la 180º pentru operare facila*
- *valva de siguranta pentru protectie la suprasarcina*
- *pentru bacuri semirotunde*
- *cutie plastic*





INDENT TYPE

C-CONNECT | Fiber Glass | HEXAGONAL | TERMINAL | MANUAL | MAINTAIN

180° | RELOAD | PROTECTION | PROTECTION | EASY | SKIDPROOF

KuDos Professional Hydraulic Tools

	Ø			
UCP-2712	400 mm²	1G	6200	13313.61

Capacitate maxima	400 mm²
Forta exercitata	14.01 tone (124.6 kN)
Necesar ulei	50 cc
Presiune maxima	700 bar
Lungime	590 mm
Greutate	6.2 kg

HYCP-4413

Cleste hidraulic pentru sertizat maxim 400 mm²

- *include bacuri HYCP-4413 (Cu) CU 16/25/35/50/70/95/120/150/185/240/300/400*
- *compresie maxima conectori Cu 400 mm²*
- *pentru bacuri Alcoa, Burndy, T&B, Klauke, Cembreand si Blackburn pana la 12 tone*
- *greutate redusa, design compact in ingust*
- *sistem hidraulic in doua etape pentru reducerea numarului de pompari*
- *cap rotativ la 180º pentru operare facila*
- *valva de siguranta pentru protectie la suprasarcina*
- *pentru bacuri semirotunde*
- *cutie plastic*



Deschidere falci: 44 mm



C-CONNECT | Fiber Glass | HEXAGONAL | TERMINAL | MANUAL | MAINTAIN

180° | RELOAD | PROTECTION | PROTECTION | EASY | SKIDPROOF

KuDos Professional Hydraulic Tools

	Ø			
HYCP-4413	400 mm²	1G	7600	13396.43

Capacitate maxima	400 mm²
Forta exercitata	14.01 tone (124.6 kN)
Necesar ulei	80 cc
Presiune maxima	700 bar
Lungime	641 mm
Greutate	7.6 kg

UB-412

Cleste hidraulic pentru sertizat maxim 400 mm²

- *include bacuri UB-412 (Cu dies) CU 16/25/35/50/70/95/120/150/185/240/300/400*
- *compresie maxima conectori Cu 400 mm²*
- *pentru bacuri Alcoa, Burndy, T&B, Klauke, Cembreand si Blackburn pana la 12 tone*
- *greutate redusa, design compact in ingust*
- *sistem hidraulic in doua etape pentru reducerea numarului de pompari*
- *cap rotativ la 180º pentru operare facila*
- *valva de siguranta pentru protectie la suprasarcina*
- *pentru bacuri semirotunde*
- *cutie plastic*



Deschidere falci: 32 mm



C-CONNECT | Fiber Glass | HEXAGONAL | TERMINAL | MANUAL | MAINTAIN

180° | RELOAD | PROTECTION | PROTECTION | EASY | SKIDPROOF

KuDos Professional Hydraulic Tools

	Ø			
UB-412	400 mm²	1G	6400	12607.96

Capacitate maxima	400 mm²
Forta exercitata	12.87 tone (114.5 kN)
Necesar ulei	53 cc
Presiune maxima	700 bar
Lungime	630 mm
Greutate	6.4 kg



UB-412HE

Cap hidraulic pentru sertizat maxim 400 mm²

- *bacuri compatibile CU 16/25/35/50/70/95/120/150/185/240/300/400 (nu sunt incluse)*
- *compresie maxima conectori Cu 400 mm²*
- *pentru bacuri Alcoa, Burndy, T&B, Klauke, Cembreand si Blackburn pana la 12 tone*
- *forma C pentru acces facil*
- *actionare cu pompa hidraulica cu presiunea uleiului de 700 bar (10.000 PSI)*
- *bacurile sunt usor de schimbat*
- *cilindru cu simpia actionare si arc de revenire*
- *cutie plastic*



Deschidere falci: 32 mm



C-CONNECT HEXAGONAL TERMINAL

MANUAL PROTECTION PROTECTION EASY MAINTAIN

	⌀			
UB-412HE	400 mm²	1G	4200	**4468.03**
	Capacitate maxima	400 mm²		
	Forta exercitata	11.6 tone (114 kN)		
	Necesar ulei	53 cc		
	Presiune maxima	700 bar		
	Lungime	258 mm		
	Greutate	4.2 kg		

HYCP-630HE

Cap hidraulic pentru sertizat maxim 630 mm²

- *bacuri compatibile Alcoa, Burndy, T&B, Klauke, Cembreand si Blackburn (nu sunt incluse)*
- *forma U rezistenta si solida, fixare sigura cu pin*
- *actionare cu pompa hidraulica cu presiunea uleiului de 700 bar (10.000 PSI)*
- *bacurile sunt usor de schimbat*
- *cilindru cu simpia actionare si arc de revenire*
- *cutie plastic*





INDENT TYPE HEXAGONAL TERMINAL

MANUAL PROTECTION PROTECTION EASY MAINTAIN

	⌀			
HYCP-630HE	630 mm²	1G	5700	**7974.59**
	Capacitate maxima	630 mm²		
	Forta exercitata	24.91 tone (221.6 kN)		
	Necesar ulei	89 cc		
	Presiune maxima	700 bar		
	Lungime	320 mm		
	Greutate	5.7 kg		

HYCP-4413HE

Cap hidraulic pentru sertizat maxim 400 mm²

- *bacuri compatibile CU 16/25/35/50/70/95/120/150/185/240/300/400 (nu sunt incluse)*
- *pentru toate bacurile utilizate cu scule de pana la 12 tone*
- *forma C pentru acces facil*
- *actionare cu pompa hidraulica cu presiunea uleiului de 700 bar (10.000 PSI)*
- *bacurile sunt usor de schimbat*
- *cilindru cu simpia actionare si arc de revenire*
- *cutie plastic*



Deschidere falci: 44 mm



C-CONNECT HEXAGONAL TERMINAL

MANUAL PROTECTION PROTECTION EASY MAINTAIN

	⌀			
HYCP-4413HE	400 mm²	1G	5100	**4977.05**
	Capacitate maxima	400 mm²		
	Forta exercitata	14.01 tone (124.6 kN)		
	Necesar ulei	80 cc		
	Presiune maxima	700 bar		
	Lungime	276 mm		
	Greutate	5.1 kg		

HYCP-15THE

Cap hidraulic pentru sertizat maxim 400 mm²

- *bacuri compatibile Alcoa, Burndy, T&B, Klauke, Cembreand si Blackburn (nu sunt incluse)*
- *compatibil cu bacuri BURNDY P*
- *pentru toate bacurile utilizate cu scule de pana la 12 tone*
- *forma C pentru acces facil*
- *actionare cu pompa hidraulica cu presiunea uleiului de 700 bar (10.000 PSI)*
- *bacurile sunt usor de schimbat*
- *cilindru cu simpia actionare si arc de revenire*
- *cutie plastic*



Deschidere falci: 50.6 mm



HEXAGONAL TERMINAL

MANUAL PROTECTION PROTECTION EASY MAINTAIN

	⌀			
HYCP-15THE	400 mm²	1G	6800	**6221.31**
	Capacitate maxima	400 mm²		
	Forta exercitata	15.57 tone (138.5 kN)		
	Necesar ulei	104 cc		
	Presiune maxima	700 bar		
	Lungime	375 mm		
	Greutate	6.8 kg		

HYCP-60ST

Cap hidraulic pentru sertizat maxim Ø 60 mm

- *gama de sertizare: pana la 60 mm diametru exterior manson*
- *accepta toate bacurile utilizate pentru sertizoare Alcoa, de 60 tone, care necesita o pompa hidraulica cu actiune simpla*
- *bacurile sunt fabricate numai la cerere*
- *actionat de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi)*
- *cilindru cu actiune simpla cu arc de revenire*
- *stand de podea detasabil ca accesoriu standard*
- *maner mare pentru transport usor*
- *capac bacuri detasabil pentru pozitionarea usoara a conectorului*
- *bucla metalica solida la baza pentru lucrari de ridicare*
- *capul de compresie este conceput ca un instrument portabil pentru instalarea mansoanelor de compresie si a terminalelor pentru constructia transmisiei si / sau lucrari de intretinere*
- *cutie metal*



cursa: 38,7 mm





	Ø			
HYCP-60ST	60 mm	1G	21300	**24055.74**
		Capacitate maxima	60 mm	
		Forta exercitata	60.81 tone (541.0 kN)	
		Necesar ulei	308 cc	
		Presiune maxima	700 bar	
		Lungime	446 mm	
		Greutate	21.3 kg	

HYCP-100ST

Cap hidraulic pentru sertizat

- *cupru: mansoane pana la 64 mm diametru exterior*
- *aluminiu: mansoane pana la 71 mm diametru exterior*
- *otel: mansoane pana la 32 mm diametru exterior*
- *bacurile sunt fabricate numai la cerere*
- *actionat de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi)*
- *cilindru cu actiune simpla cu arc de revenire*
- *stand de podea detasabil ca accesoriu standard*
- *maner mare pentru transport usor*
- *capac bacuri detasabil pentru pozitionarea usoara a conectorului*
- *bucla metalica solida la baza pentru lucrari de ridicare*
- *capul de compresie este conceput ca un instrument portabil pentru instalarea mansoanelor de compresie si a terminalelor pentru constructia transmisiei si / sau lucrari de intretinere*
- *cutie metal*



cursa: 22 mm



	Ø			
HYCP-100ST	100 mm	1G	31400	**27373.77**
		Capacitate maxima	100 mm	
		Forta exercitata	100.82 tone (985.9 kN)	
		Necesar ulei	318 cc	
		Presiune maxima	700 bar	
		Lungime	364 mm	
		Greutate	31.4 kg	

HYCP-60D

Cap hidraulic pentru sertizat maxim Ø 60 mm

- *gama de sertizare: pana la 60 mm diametru exterior manson*
- *accepta toate bacurile utilizate pentru sertizoare Alcoa, de 60 tone, care necesita o pompa hidraulica cu actiune simpla*
- *pistonul se retrage hidraulic; timpul de retragere este 1/3 din revenirea arcului*
- *actionat de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi)*
- *cilindru cu actiune simpla cu arc de revenire*
- *stand de podea detasabil ca accesoriu standard*
- *maner mare pentru transport usor*
- *capac bacuri detasabil pentru pozitionarea usoara a conectorului*
- *bucla metalica solida la baza pentru lucrari de ridicare*
- *capul de compresie este conceput ca un instrument portabil pentru instalarea mansoanelor de compresie si a terminalelor pentru constructia transmisiei si / sau lucrari de intretinere*
- *cutie metal*



cursa: 38,0 mm





	Ø			
HYCP-60D	60 mm	1G	23300	**25733.61**
		Capacitate maxima	60 mm	
		Forta exercitata	60.81 tone (541.0 kN)	
		Necesar ulei	298 cc	
		Presiune maxima	700 bar	
		Lungime	446 mm	
		Greutate	23.3 kg	

200W

Cap hidraulic pentru sertizat

- *cupru: mansoane pana la 86 mm diametru exterior*
- *aluminiu: mansoane pana la 100 mm diametru exterior*
- *otel: mansoane pana la 50 mm diametru exterior*
- *bacurile sunt fabricate numai la cerere*
- *actionat de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi)*
- *cilindru cu actiune simpla cu arc de revenire*
- *stand de podea detasabil ca accesoriu standard*
- *maner mare pentru transport usor*
- *capac bacuri detasabil pentru pozitionarea usoara a conectorului*
- *bucla metalica solida la baza pentru lucrari de ridicare*
- *capul de compresie este conceput ca un instrument portabil pentru instalarea mansoanelor de compresie si a terminalelor pentru constructia transmisiei si / sau lucrari de intretinere*
- *cutie metal*



cursa: 37 mm



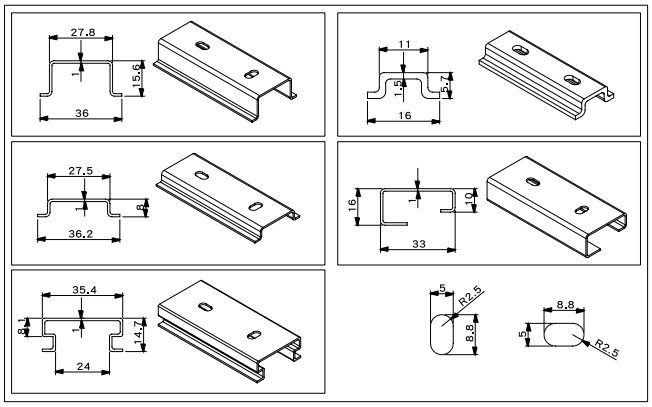
	Ø			
200W	200 mm	1G	78000	**76013.11**
		Capacitate maxima	200 mm	
		Forta exercitata	219.51 tone (1952.9 kN)	
		Necesar ulei	1049 cc	
		Presiune maxima	700 bar	
		Lungime	445 mm	
		Greutate	78.0 kg	

DRCP-559140

Perforator manual pentru profile DIN

- *potrivit pentru taierea a 5 forme diferite de sectiuni ale sinei DIN fara bavuri sau deformari*
- *acest instrument poate strapunge gauri de 8,8 mm x 5 mm de-a lungul sau perpendicular pe axa sinei.*
- *taiere rapida si usoara a sinelor DIN pentru montarea componentelor electrice fara bavuri*
- *livrat complet cu un rigla de lungime si un set de perforare pentru gsuri de montare.*





DRCP-559140	8,8 x 5	1G	12000	**12235.25**
	Dimesniune perforare	8,8x5 mm		
	Forta exercitata	45 tone		
	Lungime	1110 mm		
	Greutate	12 kg		

PNST-10

Perforator hidraulic 1/2”-2”

- *capacitate maxima: gauri Φ 4 inch si adancime de 3.2 mm in otel moale si 1,6 mm in otel inoxidabil*
- *cilindru cu simpla actiune*
- *6 preducele: 1/2”, 3/4”, 1”, 1.1/4”, 1.1/2”, 2”*





PNST-10	1/2”-2”	1G	7600	**9445.08**
	Capacitate perforare	1/2”-2”		
	Forta exercitata	12,7 tone		
	Greutate	7,6 kg		

PN-052

Perforator hidraulic 1/2”-2”

- *capacitate maxima: gauri Φ 4 inch si adancime de 3.2 mm in otel moale si 1,6 mm in otel inoxidabil*
- *cilindru cu simpla actiune*
- *6 preducele: 1/2”, 3/4”, 1”, 1.1/4”, 1.1/2”, 2”*



PN-052	1/2”-2”	1G	4500	**7654.10**
	Capacitate perforare	1/2”-2”		
	Forta exercitata	14.01 tone (124.4 kN)		
	Greutate	4.5 kg		

SH-70A

Perforator hidraulic Ø20,5 mm

- *capacitate maxima: gauri Φ 20.5 mm si adancime de 10 mm in otel moale*





preducele optionale: patrate si ovale



SH-70A	20.5	1G	14800	**9445.08**
	Capacitate perforare	Φ 20.5 mm		
	Forta exercitata	34.2 tone (304.3 kN)		
	Necesar ulei	76 cc		
	Presiune maxima	700 bar		
	Adancime de lucru	70 mm		
	Inaltime	371 mm		
	Greutate	14.8 kg		

HYBC-120

Dispozitiv de taiat bare metalice

- *capacitate de taiere:*
- *latime maxima: 120 mm*
- *grosime maxima: 12 mm*
- *materiale adecvate: aluminiu, cupru, fier*
- *stand vertical ideal pentru bara colectoare de cupru solid si aluminiu*
- *taiere precisa*
- *capacitate mare de taiere*
- *cilindrul cu actiune simpla poate fi decuplat de capacitatea de taiere*
- *cilindrul poate fi, de asemenea, conectat la dispozitivul de indoirea barei de colectare modelul HYBN-120*
- *actionata de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi).*



HYBC-120	120x12	1G	14800	**10274.59**

Capacitate maxima	120x12 mm
Forta exercitata	21,8 tone
Necesar ulei	131 cc
Presiune maxima	700 bar
Inaltime	410 mm
Greutate	14,8 kg

HYBN-120

Dispozitiv de indoit bare metalice

- *capacitate de indoire:*
- *latime maxima: 120 mm*
- *grosime maxima: 12 mm*
- *unghi maxim: 90 grade*
- *materiale adecvate: aluminiu, cupru, fier*
- *suport vertical ideal pentru indoirea barei colectoare din cupru solid si aluminiu*
- *2 opritoare paralele laterale pentru pozitionarea unghiulara exacta a barelor colectoare*
- *scala pentru citirea unghiului de indoire*
- *cilindrul poate fi, de asemenea, conectat la dispozitivul de indoirea barei de colectare modelul HYBC-120*
- *actionata de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi).*



HYBN-120	120x12	1G	15200	**12197.54**

Capacitate maxima	120x12 mm
Forta exercitata	24.13 tone (214.7 kN)
Necesar ulei	124 cc
Presiune maxima	700 bar
Inaltime	360 mm
Greutate	15,2 kg

DBBN-120

Dispozitiv de indoit bare metalice

- *capacitate de indoire:*
- *latime maxima: 120 mm*
- *grosime maxima: 12 mm*
- *unghi maxim: 90 grade*
- *materiale adecvate: aluminiu, cupru, fier*
- *suport vertical ideal pentru indoirea barei colectoare din cupru solid si aluminiu*
- *2 opritoare paralele laterale pentru pozitionarea unghiulara exacta a barelor colectoare*
- *scala pentru citirea unghiului de indoire*
- *cilindrul poate fi, de asemenea, conectat la dispozitivul de indoirea barei de colectare modelul HYBC-120*
- *actionata de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi).*



DBBN-120	120x12	1G	15500	**12650.00**

Capacitate maxima	120x12 mm
Forta exercitata	24.13 tone (214.7 kN)
Necesar ulei	124 cc
Presiune maxima	700 bar
Inaltime	360 mm
Greutate	15,5 kg

HYBN-160

Dispozitiv de indoit bare metalice

- *capacitate de indoire:*
- *latime maxima: 160 mm*
- *grosime maxima: 12 mm*
- *unghi maxim: 90 grade*
- *materiale adecvate: aluminiu, cupru, fier*
- *suport vertical ideal pentru indoirea barei colectoare din cupru solid si aluminiu*
- *2 opritoare paralele laterale pentru pozitionarea unghiulara exacta a barelor colectoare*
- *scala pentru citirea unghiului de indoire*
- *cilindrul poate fi, de asemenea, conectat la dispozitivul de indoirea barei de colectare modelul HYBC-120*
- *actionata de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi).*



HYBN-160	160x12	1G	18200	**13234.43**

Capacitate maxima	120x12 mm
Forta exercitata	24.13 tone (214.7 kN)
Necesar ulei	130 cc
Presiune maxima	700 bar
Inaltime	360 mm
Greutate	18,2 kg

PB-10N

Dispozitiv de indoit tevi

• capacitate de indoire:
- conducta de otel subtire: 15 mm - 75 mm (5/8 ") - (3")
- conducta de otel gros: 16 mm - 82 mm (1/2 ") (3")
- conducta de gaz: 15 mm - 65 mm (1/2 ") - (2.1/2")
• compatibil cu toate profilele de indoit proiectati pentru a indoi conducta standardizata JIS si conducta de gaz
• proiectat pentru a indoi diferite dimensiuni si grosimi ale tevii de otel.
• face îndoiri netede, fara riduri.
• rama de îndoire si profilele pivot sunt din aluminiu usor, tratat termic
• actionat de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi).
• PB-10N a fost proiectat pentru a indoi diferite tevi de otel de diferite dimensiuni si grosimi fara riduri.
• un cadru din aliaj de aluminiu face acest dispozitiv mai usor, astfel incat sa poata fi transportat cu usurinta la locul de muncaa
• capacitate maxima: 90°
• deschidere maxima: 250 mm
• diametru tevi 1/2"-2".1/2"
• cursa: 250 mm



MANUAL · MAINTAIN · PROTECTION · PROTECTION · SKIDPROOF

PB-10N	90°	1G	18600	**9331.97**

Capacitate maxima	90°
Forta exercitata	11,1 tone
Necesar ulei	398 cc
Presiune maxima	700 bar
Inaltime	780 mm
Greutate	18,6 kg

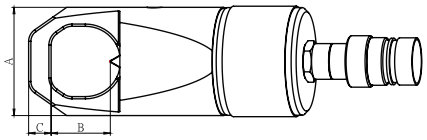


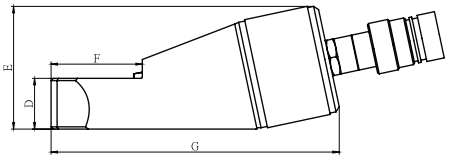
HYNC

Dispozitiv pentru spart capete de suruburi si piulite

• design compact
• usor de folosit
• design unic al capului unghiular pentru o varietate de aplicatii
• cilindru cu actiune simpla cu avans hidraulic si arc revenire
• functioneaza actionat cu pompa hidraulica cu presiunea nominala a uleiului de 700 bar (10.000 PSI)
• potrivit numai pentru piulitele ≤ grad 8, spargerea piulitelor din otel inoxidabil
• NU se utilizeaza pentru piulite patrate si / sau stelare
• pentru capete suruburi si piulite cu duritate de pana la 44 HRc







	A	B	C	D	E	F	G	Cod dalti schimb
HYNC-1319	40	21	7	19	50	29	120	HYNC-1319 # 4
HYNC-1924	54	25	10	25	62	40	146	HYNC-1924 # 4
HYNC-2432	64	33	13	30	76	52	180	HYNC-2432 # 4
HYNC-3241	70	42	16	36	87	65	205	HYNC-3241 # 4
HYNC-4150	90	52	21	45	108	76	245	HYNC-4150 # 4
HYNC-5060	106	60	24	54	125	92	288	HYNC-5060 # 4
HYNC-6075	156	80	27	75	184	110	365	HYNC-6075 # 4

	Bolturi	Hex.	Capacitate (t)	Capacitate (cm3)	Dimensiuni		
HYNC-1319	M6-M12	10-19	6.23	15	170x40x48	1.2	**2413.11**
HYNC-1924	M12-M16	19-24	11.77	20	191x54x62	2.0	**5768.85**
HYNC-2432	M16-M22	24-32	19.07	60	222x64x72	3.0	**7145.08**
HYNC-3241	M22-M27	32-41	26.49	80	244x75x88	4.4	**8898.36**
HYNC-4150	M27-M32	41-50	38.92	155	288x94x105	8.2	**11594.26**
HYNC-5060	M33-M39	50-60	56.04	240	318x106x128	11.8	**16854.10**
HYNC-6075	M39-M48	60-75	102.76	492	393x156x181	34.1	**27562.30**

HP-700A

Pompa hidraulica cu actionare la mana

- *pompa cu piston cu doua trepte de viteza pentru actionare rapida*
- *presiune exercitata exterioare ajustabila pana la 700 bar*
- *rezervorul de ulei permite utilizarea in orice pozitie*
- *include furtun de 2 m*



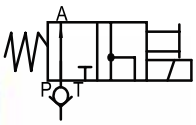


	bar			
HP-700A	700 bar	1G	9000	**5938.52**
Preiune maxima	700 bar			
Necesar ulei	720 cc			
Debit ulei trapta 1	12,26 cc/cursa			
Debit ulei trapta 2	2,26 cc/cursa			
Lungime	595 mm			
Greutate	9,0 kg			

EP-30S

Pompa hidraulica

- *tensiune de alimentare: 230 V*
- *putere motor: 350 W*
- *telecomanda cu control total*
- *2 furtune hidraulice atasate*
- *nivel ulei vizibil*
- *constructie robusta din otel*
- *pompa cu dubla actiune*





	bar			
EP-30S	700 bar	1G	18000	**22811.48**
Capacitate livrare ulei la presiune scazuta	2,6 litri / minut			
Capacitate livrare ulei la presiune inalta	0,32 litri / minut			
Necesar ulei	3000 cc			
Presiune maxima	700 bar			
Inaltime	374 mm			
Greutate	18,0 kg			

HYP-700FT

Pompa hidraulica cu actionare la picior

- *pompa cu piston cu doua trepte de viteza pentru actionare rapida*
- *presiune exercitata exterioare ajustabila pana la 700 bar*
- *rezervorul de ulei permite utilizarea in orice pozitie*
- *include furtun de 2 m*







	bar			
HYP-700FT	700 bar	1G	12000	**9954.10**
Preiune maxima	700 bar			
Necesar ulei	720 cc			
Debit ulei trapta 1	35,8 cc/cursa			
Debit ulei trapta 2	2,1 cc/cursa			
Lungime	720 mm			
Greutate	12,0 kg			

HP-180N

Pompa hidraulica cu actionare la mana

- *pompa cu piston ideala pentru perforatorul PNST-10*
- *presiune exercitata exterioare ajustabila pana la 590 bar*
- *rezervorul de ulei permite utilizarea in orice pozitie*
- *include furtun de 1 m*







	bar			
HP-180N	590 bar	1G	3700	**2413.11**
Preiune maxima	590 bar			
Necesar ulei	180 cc			
Debit ulei trapta	0,9 cc/cursa			
Lungime	320 mm			
Greutate	3,7 kg			

K-SW15TE

Despartitor hidraulic pentru flanse

Actionare cu pompa hidraulica

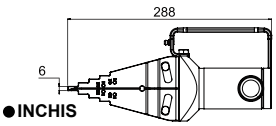
Inaltime: 288 mm
Greutate: 7,5 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 79 cc
forta exercitata: 15,6 tone / 138,9 kN
■ *Capacitate de departare:*
toleranta radiala: 33 mm
departare maxima: 81 mm

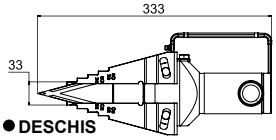
Concept de pana integrata: pana cu miscare paralela, fara frecare, lina, elimina deteriorarea flansei si defectarea bratului de actionare.
Design unic de pana cu blocare automata: fara riscul indoire si de alunecare din imbinare.
Necesita un spatiu de acces foarte mic de numai 6 mm (.24 in).
Numarul redus de piese mobile inseamna durabilitate sporita si intretinere redusa.
Functioneaza cu orice pompa hidraulica cu presiunea nominala a uleiului de 700 bar (10.000 psi).

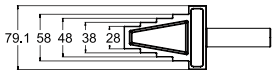
■ *Accesorii:*
bloc de siguranta
cutie pentru depozitare si transport











	max	t	L			
K-SW15TE	81	15,6	288	7500	-	8031.15

K-SW9TM

Despartitor pentru flanse

Actionare cu cheie

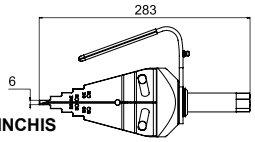
Inaltime: 283 mm
Greutate: 6,0 kg
■ *Specificatii:*
forta exercitata: 9,0 tone / 80,1 kN
■ *Capacitate de departare:*
toleranta radiala: 32 mm
departare maxima: 81 mm

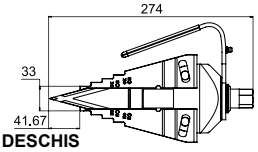
Concept de pana integrata: pana cu miscare paralela, fara frecare, lina, elimina deteriorarea flansei si defectarea bratului de actionare.
Design unic de pana cu blocare automata: fara riscul indoire si de alunecare din imbinare.
Necesita un spatiu de acces foarte mic de numai 6 mm (.24 in).
Numarul redus de piese mobile inseamna durabilitate sporita si intretinere redusa.

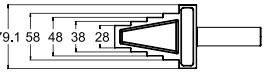
■ *Accesorii:*
bloc de siguranta
cutie pentru depozitare si transport
cheie combinata cu clichet 22 mm











	max	t	L			
K-SW9TM	81	9,0	283	6000	-	6447.54

K-DFS8

Despartitor hidraulic pentru flanse

Actionare cu levier

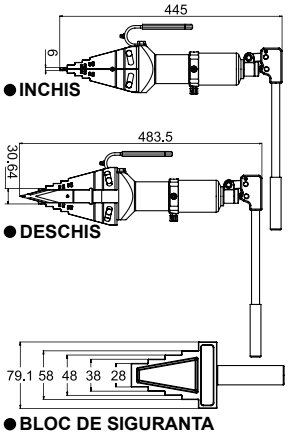
Inaltime: 445 mm
Greutate: 9,0 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 79 cc
forta exercitata: 15,6 tone / 138,9 kN
■ *Capacitate de departare:*
toleranta radiala: 32 mm
departare maxima: 81 mm

Concept de pana integrata: pana cu miscare paralela, fara frecare, lina, elimina deteriorarea flansei si defectarea bratului de actionare.
Design unic de pana cu blocare automata: fara riscul indoire si de alunecare din imbinare.
Necesita un spatiu de acces foarte mic de numai 6 mm (.24 in).
Numarul redus de piese mobile inseamna durabilitate sporita si intretinere redusa.

■ *Accesorii:*
bloc de siguranta
cutie pentru depozitare si transport







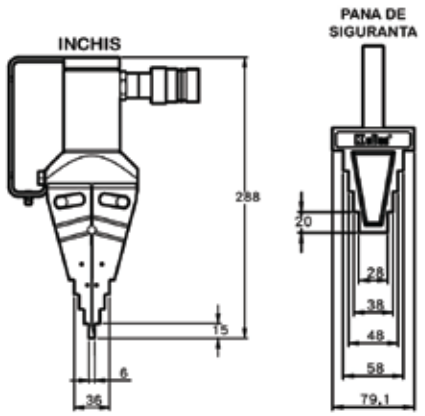
	max	t	L			
K-DFS8	81	15,6	445	9000	-	10783.61

HYFS-8

Despartitor hidraulic

• concept integrat de pana fara frecare, miscarea lina si paralela a penei elimina deteriorarea flansei si deteriorarea bratului.
• design unic cu pene interblocate: fara indoire la primul pas si risc de alunecare din articulatie.
• necesita un spatiu de acces foarte mic de numai 6 mm (.24 in)
• putine piese in miscare inseamna durabilitate si intretinere redusa.
• actionat de orice pompa hidraulica cu o presiune nominala a uleiului de 700 bari (10.000 psi).





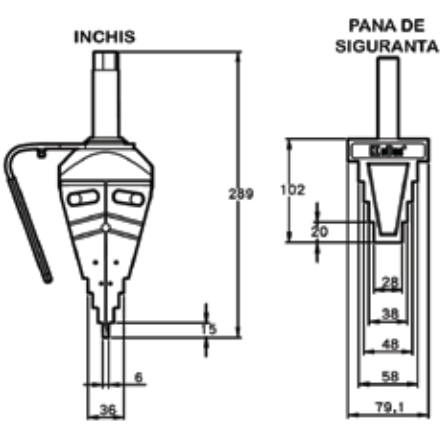
HYFS-8	81	1G	8000	6541.80
	Capacitate maxima de departare	81 mm		
	Forta exercitata	10,1 tone		
	Spatiu minim necsar	6 mm		
	Greutate	8 kg		

MFS-8

Despartitor manual

• concept integrat de pana fara frecare, miscarea lina si paralela a penei elimina deteriorarea flansei si deteriorarea bratului.
• design unic cu pene interblocate: fara indoire la primul pas si risc de alunecare din articulatie.
• necesita un spatiu de acces foarte mic de numai 6 mm (.24 in)
• putine piese in miscare inseamna durabilitate si intretinere redusa.





MFS-8	81	1G	8000	6127.05
	Capacitate maxima de departare	81 mm		
	Forta exercitata	8 tone		
	Spatiu minim necsar	6 mm		
	Greutate	8 kg		

Clesti de taiere

Model Nr.	Forta de strangere (tone)	Cursa maxima (mm)	Greuta-te (kg)	Capacitate de taiere														
				Inima de canepa (mm)			Bara rotunda (mm)				Cabluri litate (mm)					Cabluri (mm)		
Clesti hidraulici cu actionare manuala				6x7	6x12	6x9	Bara de Cu moale	Bara de Al moale	Bara de otel moale	Bara din fier-beton	Cablu litat din Cu	Cablu litat din Al	ACSR	Ancora 1x7	Ancora 1x19	Cablu tele-fonic CCP	Cablu manta din plumb	Cablu sub-teran
HYSC-24	6,7	28,0	4,0	18	24	24	24	18	20	16	24	24	24	20	20			24
HYSC-32	25,4	38,0	9,3	32	32	32	32	32	25	25	32	32	32	32	32			32
HYSC-050	4,9	58,4	3,8						50		50	50				50		50
TC-085	5,6	90,8	5,1								28	38				85	85	50
HYSC-P85	5,0	91,5	5,1								28	38				85	85	50

Model Nr.	Forta de strangere (tone)	Cursa maxima (mm)	Greuta-te (kg)	Capacitate de taiere														
				Inima de canepa (mm)			Bara rotunda (mm)				Cabluri litate (mm)					Cabluri (mm)		
Capete de taiere				6x7	6x12	6x9	Bara de Cu moale	Bara de Al moale	Bara de otel moale	Bara din fier-beton	Cablu litat din Cu	Cablu litat din Al	ACSR	Ancora 1x7	Ancora 1x19	Cablu tele-fonic CCP	Cablu manta din plumb	Cablu sub-teran
HYSC-20HE	5,3	24,5	2,4	16	20	20	16				20	20	21	15	16			
HYSC-32HE	25,4	37,0	10,0	32	32	32	25			25	32	32	32	32	32			
HYSC-55HE	15,0	55,6	9,0	25	30	30	22			19	50	50	50	15	20			
HYCC-35HE	6,3	73,0	3,6															35
TC-085HE	5,6	90,4	5,1													85		85
HYCC-P85HE	5,0	91,5	7,2								28	38				85		
HYCC-P100HE	8,8	110,0	13,2								42	46				100		
HYCC-105HE	10,0	122,8	13,0								42	46				105		105
TC-120HE	10,6	129,6	13,0													120		120

Clesti de sertizare

Model Nr.	Forta de strangere (tone)	Cursa maxima (mm)	Actionare	Greutatea (kg)	Aplicatii		
Clesti hidrauluici de sertizat cu ationare manuala					Papuci cu ureche de otel / conductori	Papuci cu ureche de Cu / conductori	Papuci cu ureche de Al / conductori
HYCP-185	5,2	10-15	simpla	2,5	(Se pot utiliza si bacuri BEKO)	10-185	mm²
HYCP-240	5,2	10-15	simpla	2,8		10-240	mm²
UCP-240	8,8	19	simpla	5,0		10-240	mm²
PH-240	6,2	13	simpla	5,0	(Se pot folosi toate tipurile de bacuri Alcoa, Burndy, Klauke, T&B, si Blackburn de 12 tone)	pana la 240	mm²
HYCP-2612	12,0	26	simpla	6,0		pana la 400 mm²	pana la 300 mm²
UB-412	12,0	32	simpla	7,0		pana la 400 mm²	pana la 300 mm²
HYCP-4013	13,0	40	simpla	7,0		pana la 400 mm²	pana la 300 mm²

Model Nr.	Forta de strangere (tone)	Cursa maxima (mm)	Actionare	Greutatea (kg)	Aplicatii		
Capete hidraulice de sertizare					Papuci cu ureche de otel / conductori	Papuci cu ureche de Cu / conductori	Papuci cu ureche de Al / conductori
HYCP-2612HE	12,0	26	simpla	4,6	(Se pot folosi toate tipurile de bacuri Alcoa, Burndy, Klauke, T&B, si Blackburn de 12 tone)	pana la 400 mm²	pana la 300 mm²
UB-412HE	12,0	32	simpla	5,0		pana la 400 mm²	pana la 300 mm²
HYCP-4013HE	13,0	40	simpla			pana la 400 mm²	pana la 300 mm²
HYCP-15THE	15,0	50	simpla	7,0	Bacurile tip U pot fi folosite cu adaptor reazem	pana la 400 mm²	pana la 300 mm²
HYCP-630HE	23,0	50	simpla	5,6		pana la 630 mm²	
HYCP-500HE	30,0	30	simpla	17,5		8 - 500 mm²	30 - 590 mm²
HYCP-451000HE	45,0	37	simpla	11,0		16 -	1000 mm²
HYCP-60ST	55,0	38,5	simpla	22,0	pana la 30 mm	pana la	Φ 60 mm
HYCP-60D	55,0	38,5	dubla	23,0	pana la 30 mm	pana la	Φ 60 mm
HYCP-100ST	100,0	22	dubla	32,0	pana la 36 mm	pana la	Φ 76 mm



SCULE AUTO

Suprafata de protectie
Sculele auto sunt fabricate din otel de calitate cu compozitia imbunatatita. Cateva modele prezinta suplimentar fata de aceasta suprafata de protectie cromata.

Maner ergonomic
Cu manere ergonomice si o suprafata speciala de prindere, sculele auto Unior ofera maxim de confort la locul de munca si eficienta inalta cu minimum de efort.

Inalta precizie
Cu design-ul lor perfect si tehnologia superioara, sculele auto Unior asigura o interventie de mare precizie in caz de utilizare generala sau speciala.

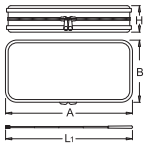
UNIOR® NEXUS KuDos® Professional Hydraulic Tools.

2084

Set de inspectie auto profesional

- *cu LED de utilizare indelungata*
- *livrata in husa*
- *capacitatea de ridicare magnetica 3,5 kg*
- *Setul include: 1 buc oglinda rotunda de O60, 1 buc oglinda dreptunghiulara 65x 42 mm, 2 buc biti, 3 baterii L1154F, geanta cu suport SOS*
- *Aditional la partea cu led setul include oglinzi suplimentare care dau posibilitatea de a vizualiza zonele intunecate si greu accesibile.Scula este destinata de asemenea recuperarii obiectelor mici metalice din zone greu accesibile ale motorului ca suruburi, piulite, saibe etc.Setul este prevazut cu o husa cu suport SOS pentru fixarea componentelor.*





UNIOR

	A	B	H	L1					
619742	240	110	45	650	3.5	360	1E	1	**422.62**

2086

Farfurie magnetica

- *material: otel inoxidabil*
- *asigura gestionarea pieselor mici in acelasi loc*
- *pentru orice piese mica, bolturi si piese metalica*

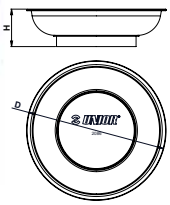
Avantaje:

- *magnet permanent puternic cu cauciuc de protectie pe partea de jos a acesteia*
- *poate fi folosita in orice pozitie*

Cum sa utilizați scula:

- *Cu ajutorul magnetului puternic protejat de cauciuc, farfuria magnetica este recomandata pentru orice aplicatie industriala, de la magazia de piese de schimb oriunde unde exista parti metalice la care poate fi atasata. Se poate utiliza in toate pozitiile, magnetul este atat de puternic incat poate fi atasata si cu fata in jos. Este recomandata pentru suruburi, piulite pentru a nu fi ratacite sau pierdute in timpul lucrului si pentru a le stoca unitar intr-un singur loc, usurand astfel operatiile de remontare a diverselor componente.*
- *pentru utilizare in garaje, motoare si bancuri de lucru.*





UNIOR

	D	H					
619728	150	40	3	387	1F	1	**55.08**

1976/2

Cheie reglabila filtru de ulei

- *material brate reglabile:otel carbon*
- *pentru montarea si demontarea filtrelor de ulei*
- *se utilizeaza pentru toate tipurile de filtre de la 60 la 120 mm*

Avantaje:

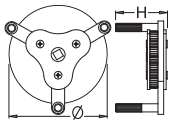
- *bratele sunt nervurate pentru o mai buna priza a filtrului*

Cum sa utilizați scula:

- *Un service are de obicei nevoie sa efectueze operatia de inlocuire a filtrelor de ulei, de aceea am creat aceasta scula cu utilizare la majoritatea tipurilor de autoturisme. Cand se utilizeaza in functie de tipul filtrului se strange blocandu-l. Cheia poate fi utilizata pentru filtre de la 60 la 120 mm diametru.Datorita spatiului restrans in timpul schimbarii, scula este proiectata sa aiba nevoie de cat mai putin spatiu de manevra.Datorita formei bratelor si a nervurilor se poate utiliza la filtre fara striuri permitand strangerea filtrelor ce nu ar putea fi utilizate cu metodele conventionale.Scula lucreaza in ambele directii ceea ce permite strangerea si desfacerea filtrelor, cu efort minim.*

Important

- *utilizat cu antrenor cu clichet reversibil 3/8" si prelungitorul adecvat*







UNIOR

	Ø↓	Ø↑		H				
619257	60	120	3/8"	60	635	1G	1	**408.20**



2083

Recuperator magnetic telescopic cu lumina

- *pentru recuperarea suruburilor, piulitelor si saibelor*

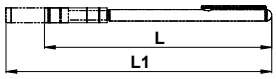
Avantaje:

- *bateriile protejate contra umiditatii*
- *include set de 3 baterii 3 LR41*
- *Cu iluminare pentru zonele intunecoase ale masinii*

Cum sa utilizați scula:

- *Scula este destinata recuperarii pieselor mici cazute in spatii greu accesibile.Este prevazuta cu lumina care se activeaza in mod automat la deschiderea telescopului.Se foloseste in spatii inguste si greu accesibile ale motorului.Cand partea telescopica nu este necesara rotiti capul si aceasta se stinge. Scula are un clips de agatare.*





UNIOR

	L	L1					
619741	170	660	0.5	55	1F	1	108.69





2085

Scula de agatare obiecte mici

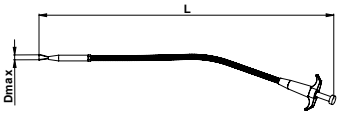
Avantaje:

- *Aceasta scula reglabila permite accesul in zone greu accesibile.Ea asigura apucarea obiectelor, are trei brate care realizeaza prinderea sau destinderea prin presarea butonului de capat.*

Cum sa utilizați scula:

- *pentru agatarea si recuperarea obiectelor mici nemetalice, bolturi, suruburi, piulite.*





UNIOR

	L	Dmax				
619883	510	15	150	4A	1	179.67

2087

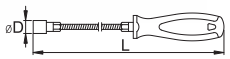
Recuperator magnetic flexibil

- *Recuperatorul magnetic flexibil este destinat recuperarii obiectelor mici metalice din locuri greu accesibile*

Avantaje:

- *Este prevazut cu un brat flexibil si un magnet puternic*
- *Magnetul este capabil de a ridica obiecte de pana la 1 kg*
- *Scula este prevazuta cu un maner ergonomic care asigura eficienta operatiilor de executat*





UNIOR

	L	D					
619929	1	500	15	127	4B	1	112.62





2091

Lanterna cu LED

- *7 SMD LED (6 frontal si 1 pe cap)*
- *1 SMD LED: 1500 lux la 0,5 m - 80 lumen*
- *6 SMD LED: 500 lux la 0,5 m - 350 lumen*
- *timp functionare 1 SMD LED din cap: 7 ore*
- *timp functionare 6 SMD LED frontale: 3 ore*
- *2 carlige ajustabile*
- *2 magneti laterali*
- *1 baza megnetica*
- *unghi de ajustare de la 0 la 180°*
- *carcasa realizata din plastic rezistent la soc*
- *baterie Li-Ion 3.7 V 2100 mAH*
- *timp de incarcare acumulator 5.0 ore*
- *buton ON/OFF*
- *cu 2 adaptoare (12/24V in 100-240 V)*
- *cablu incarcare USB*
- *lungime: 291 mm*
- *latime: 55 mm*
- *greutate: 291 g*



UNIOR

	L	A				
620237	250	55	512	1G	1	308.69

2091A

Lanterna cu LED

- *lungime: 170 mm*
- *diametru: Ø 22 mm*
- *intensitate luminoasa: 100-130 lm*
- *LED: frontal 7 bucati x 1,5 W + pe cap 1 bucata x 1,0 W*
- *buton pornit / oprit in partea de sus*
- *clips magnetic*
- *carcasa rezistenta la soc*
- *acumulator Li-ion cu capacitate de 800 mAh*
- *LED indicator nivel de incarcare*
- *timp de functionare: mai mult de 5 ore*
- *port USB pentru incarcare cu adaptor AC / DC tensiune de intrare:*

100V - 240 V, 50 - 60Hz; tensiune de iesire: 5V DC 1000 mA



UNIOR

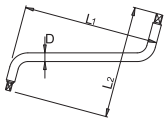
	L	D				
627201	170	22	155	1G	1	181.64

175/2

Cheie schimbat ulei la cutia de viteze

- *material: crom vanadiu*
- *capul cheii este tratat in intregime*
- *acoperire cromare conform EN12540*





UNIOR

	■	L1	L2	D				
605112	8 x 10	203	169	10	305	4A	10	**47.21**

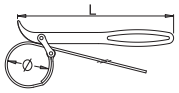


205/2

Cheie filtru de ulei

- *material:crom vanadiu*
- *banda din invelis de cauciuc*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





UNIOR

	L	Ø⇩	Ø⇧				
601024	220	60	140	225	1E	10	**95.08**

205.1

Curea pentru 205/2

- *banda din invelis de cauciuc*



UNIOR

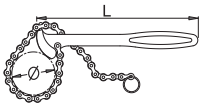
602841	62	1E	10	**61.48**

206/2

Cheie cu lant

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





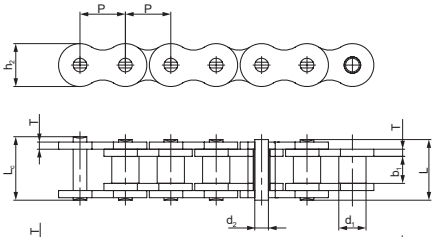
UNIOR

	L	Ø⇩	Ø⇧				
601025	220	60	140	330	1E	10	**183.44**

206.1

Lant pentru art. 206





P = 12,7 mm (½") (pasul lantului)
h2 = 9,5 mm (latimea eclisei)
L = 9,5 $^{-0,1}$ (latilmea lantului)
T = t = 1,0 mm (grosimea ecliselor)
d2 = 3,6 mm (diametrul boltului)
d1 = 7,7 mm (diametrul rolei)
b1 = 3,2 mm (lungimea rolei

UNIOR

	L				
620938	500	150	1E	5	**35.90**



300/6B

Levier pentru dulgher

- *material: otel carbon de scule*
- *vopsite*



UNIOR

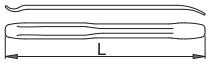
	L	L1					
608815	500	120	18	1180	1C	1	**100.49**
608816	600	120	18	1385	1C	1	**112.46**
608817	800	120	18	2190	1C	1	**134.43**
608821	1000	120	20	2715	1C	1	**189.51**

300/2

Levier

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





UNIOR

	L				
617661	200	111	1C	10	**50.16**
601755	300	253	1C	10	**69.67**
601756	400	452	1C	10	**84.43**
601757	500	648	1C	10	**99.84**

300CCB

Set leviere cu maner bimaterial

- *material: otel special de scule*
- *acoperire cromare conform EN12540*
- *maner ergonomic rezistent bimaterial*



UNIOR

613106	3	878	1F	1	**254.10**

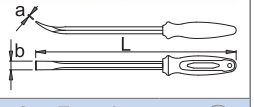
300/2C (320, 410, 610)

300/2C

Levier cu maner bimaterial

- *material: otel special de scule*
- *acoperire cromare conform EN12540*
- *maner ergonomic rezistent bimaterial*





UNIOR

	L	a x b				
613103	320	1.1 x 13	252	4B	10	**49.18**
613104	410	1.5 x 15	499	4B	10	**60.00**
613105	610	1.5 x 21	837	1C	5	**87.70**

300/2A

Levier

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





	L				
601758	537	992	1C	10	161.97

1375/6

Cana de ulei cu furtun flexibil



	V				
619935	0.5 l	1000	1C	1	63.93

1376/6

Cana de ungere

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





	V				
619936	0.5 l	2500	1C	1	221.80

1376.2

Tub flexibil pentru gresare



	L					
621858	290	R1/8"	13	40	1V	1	28.75

1376.1

Teava de gresare



	L				
621857	130	R1/8"	48	1V	1	25.82

1376.3

Niplu



621859	R1/8"	9/16"	32	1V	1	20.14

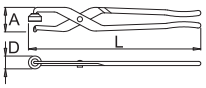
431/2

Clesti pentru arcuri frana

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap tratat, suprafata fosfatata, finisare:cromare*







	L	A	ØD		
601554	325	53	25	423	145.57

186.4/2A

Cheie de bujii 3/8"

- *material: crom molibden*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*



		D	L				
622513	14	18	63	17	58	4B	10	53.28

185/2

Cheie de bujii

- *material:otel carbon de scule*
- *acoperire cromare conform EN12540*



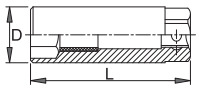
		D	L	B				
600771	16	19	145	120	182	1E	10	34.26
607956	19	22	115	120	199	1E	10	35.74
600772	21	24	115	120	177	1E	10	35.74
600773	21	24	180	120	248	1E	10	38.52

186.4/2

Cheie de bujii cu patrat de 3/8"

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





		D	L					
603193	16	22	63	19	68	4B	10	26.39
620820	18	24.7	63	22	68	4B	10	28.36
603192	19	26	63	22	68	4B	10	30.82
600776	21	27	66	19	68	4B	10	49.02

2035

Perie pentru curatarea discurilor de frana

- *pentru curatarea discurilor de frana inaintea instalarii precum si a altor parti metalice*
- *forma ingusta pentru acces in spatii inguste*
- *Franarea cauzeaza uzura discurilor si acumularea de material pe acestea.Acesta trebuie curatat. Forma ingusta a periei permite curatirea rapida precum si curatirea altor suprafete metalice ce necesita acest lucru.*



619739	73	1E	1	47.05

210/2

Cheie pentru roti

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*



UNIOR

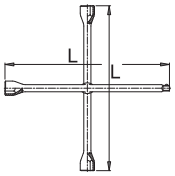
		L1	L2				
600782	17	255	27	476	4A	5	80.82
600783	19	285	29.5	541	4A	5	93.11

213/6

Cheie cruce pentru roti

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *vopsite*
- *in conformitate cu standardul ISO 6788 (numai dimensiuni in mm)*





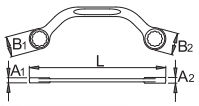
UNIOR

					L				
600811	17	19	22	1/2"	370	1430	1F	1	238.52
600809	17	19	21	23	370	1511	1F	1	212.46
600812	17	19	22	24	370	1500	1F	1	212.46
600813	24	27	30	3/4"	700	4400	1F	1	481.97
600814	24	27	30	32	700	4600	1F	1	481.97

200/2

Chei inelare semiluna

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*





UNIOR

		L	B1	B2	A1	A2				
600671	11 x 13	150	16.5	19	7	8.5	54	4A	10	54.43
600672	13 x 17	185	19.2	24.2	8.7	10.3	99	4A	10	61.31
600673	14 x 17	185	20.5	24.2	8.7	10.3	104	4A	10	61.31
600674	15 x 16	185	21.6	23.6	8.7	10.3	104	4A	10	61.31
600676	19 x 22	230	27.2	31.8	10	11.5	178	4A	10	78.69

200/2CB

Set de chei inelare semiluna in cutie de carton



UNIOR

600677	11 - 22 / 5	605	1F	1	317.21

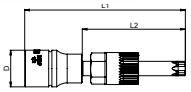
200/2 (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22)

2209

Cheie combinata pentru alternator

- *Cele doua parti ale cheii pentru alternator permit o demontare usoara si o montare a acestuia pe suport precum si demontarea acestuia pentru reparare. Alternatorul este blocat cu un profil XZN multispline interior simultan, suportul retine surubul pe ax realizand eliberarea sau strangerea acestuia.Scula este disponibila cu patrat de 1/2" cu profil ZXN-M10 bit si patrat d e1/2" cu TX 50 Bit*





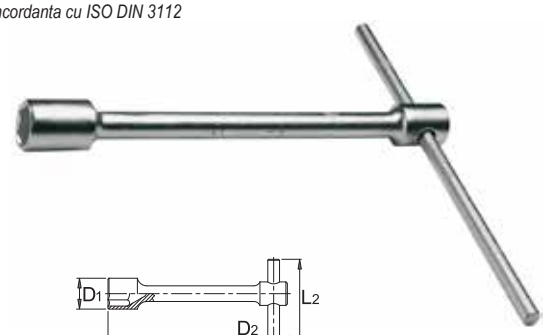
UNIOR

		D	L1	L2				
620225	M 10	23.8	113	75	178	4B	1	77.21
620948	TX 50	23.8	113	75	176	4B	1	77.21

212/2

Chei in T pentru roti

- *material:crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *in concordanta cu ISO DIN 3112*



UNIOR

		L1	D1	L2	D2				
600788	24	315	33.5	400	14	1280	1C	1	190.00
600789	27	355	38.5	400	20	2220	1C	1	212.79
600791	32	430	48	400	20	2815	1C	1	277.21

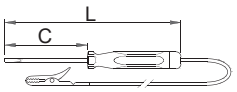


631

Tester auto 6 - 12/24 V

- *utilizare numai la verificarea instalatiilor auto pentru tensiuni de 12V,24V*
- *utilizat in alte scopuri sau la tensiuni diferite fata de cele indicate poate pune viata utilizatorului in pericol*
- *testerul nu va fi folosit la verificarea prezentei tensiunii in retea*





UNIOR

	V/	a x b	C	L				
601688	6 - 12	0.5 x 3.0	60	140	25	1E	10	**32.13**
601689	6 - 24	0.6 x 3.5	90	180	25	1E	10	**32.13**

631B

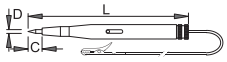
Tester auto 6-12/24 V

- *scula indispensabila in orice service auto*
- *protectie a varfului testerului pentru prevenirea incidentelor in utilizare*
- *utilizat pentru verificari la instalatiile electrice ale masinilor de la 6-12 V*

UTILIZARE:

- *conectati cleste la o masa*
- *intepati izolatia cu varful testerului pentru a verifica firul cu curent.*
- *faceti verificarea de-a lungul firului pana cand testerul se stinge, fapt ce indica defectiune pe fir*
- *utilizat in alte scopuri sau la tensiuni diferite fata de cele indicate poate pune viata in pericol*
- *produsul nu va fi folosit la verificarea prezentei tensiunii in retea*





UNIOR

	V/	C	D	L				
619856	6 - 24	12	1.8	110	38	1E	10	**53.28**

1944/6

Ventuza dubla pentru parbriz

- *corp din plastic rezistent*
- *pentru transportul si pozitionarea parbrizelor in timpul operatiilor de fixare si inlocuire*

Avantaje:

- *capacitatea de ridicare : 75 kg*
- *ventuzele puternice pentru o siguranta maxima*
- *ventuzele pot fi utilizate la parbrize plate si profilate*

Cum sa utilizați scula:

- *Dispozitivul pentru schimbarea si transportul parbrizelor. Dispozitivul se utilizeaza prin fixarea ventuzelor pe parbriz si creerea vacumului necesar pentru demontare manuala. Ventuzele se lipesc ferm pe parbriz dand posibilitatea de demontare si montare a acestuia*
- *1. pozitionati ventuzele pe parbriz*
- *2. actionati manerele pentru a creea vacumul necesar de lipire*
- *3.acum parbrizul poate fi demontat in siguranta si montat un altul nou.*



UNIOR

619740	925	1F	1	**381.48**

71900

Trusa de tinichigerie 7 piese

- *set ciocane si nicovale pentru reparatii auto*
- *manerele din hickory sunt tratate pentru o rezistenta fiabila*
- *finisaj lustruit fin pe suprafata caruciorului*
- *carcasa durabila depozitarea sculelor turnata*
- *proiectat ergonomic pentru control și confort*
- *ciocanele robuste folosesc un design ergonomic cu maner hicory pentru a oferi o prindere sigura si confortabila in mana*
- *trusa functionala, versatila si creata pentru utilizarea de zi cu zi*
- *de la aplatizarea si modelarea foilor de metal pana la lucrul la urmatorul dvs. proiect de prelucrare a lemnului, nicovalele si ciocanele din acest kit de reparare a caroseriei de masina va vor oferi instrumentele potrivite pentru a face treaba, fiind usor de utilizat si confortabil de tinut!*
- *este trusa perfecta pentru reparatii la domiciliu si bricolaj auto*
- *perfect pentru a lovi metalul plat, curbat si bombat precum si multe altele*
- *livrat cu 4 capete nicovale rezistente pentru utilizare multifunctionala*
- *include o cutie de transport pentru a pastra toate uneltele bine organizate*
- *otel carbon calit la pentru a creste durabilitatea si duritatea*

Setul include:

1 x ciocan de lovire standard
1 x ciocan finisare cu varf
1 x ciocan curbat invers
1 x nicovala cu doua capete
1 x nicovala calcai
1 x nicovala de uz general
1 x nicovala pana





KRONUS Professional Quality

	mm		
902475	400 x 300 x 85	7200	**265.37**



EXTRACTOARE

O mai mare rezistenta

Fie ca sunt prevazute cu doua, trei sau cinci brate reglabile, de un ciocan culisant sau de o mandrina extractoare, sau e vorba de multe alte versiuni disponibile, extractoarele sunt toate fabricate din otel carbon.
Un proces de forjare special le garanteaza o rezistenta superioara.

Usor de utilizat

Sistemele de extractie permit extragerea eficace si sigura a rulmentilor, pinioanelor si elementelor de suspensie.
Toate extractoarele noastre au o utilizare usoara si flexibila si sunt extrem de rezistente

UNIOR® NEXUS KuDos® Professional Hydraulic Tools.

CORP

1. Taiere: Bara de otel este decupata de o masina la forma ceruta; precizia decuparii asigura un surplus minim de materie prima

2. Forjeaza: Piesele forjate sunt facute folosind turnarea la cald. Aceasta permite forme variate si ergonomice ale produselor. Orientarea potrivita a fibrelor (aceeasi ca in barele de otel) este mentinuta folosind procesele corespunzatoare de forjare.



3. Debavurare: eliminarea bavurilor dupa forjare.

4. Operare CNC: O masina CNC este folosita pentru uzinarea precisa a capului extractorului, care asigura miscarea lina pe manerele mici.



5. Filetare: Filetul de pe axul central este de mare precizie datorita formei trapezoidale care asigura o miscare usoara filetului central si permite o ajustare rapida si precisa.

6. Tratament termic (calire si revenire): Tratamentul termic de durizare si calire este folosit pentru imbunatatirea structurii otelului, ca sa furnizeze o mai buna rezistenta si duritate produsului si alte caracteristici necesare pentru a depasi tensiunile pe care le cere lucrul cu acest produs.



7. Sablare: curatarea suprafetei inainte de cromare este importanta pentru marirea calitatii si durabilitatii protectiei suprafetei.

8. Cromare: Manerul extractorului este placat cu un strat subtire si dur de oxid de crom care protejeaza contra coroziunii, uzurii si a altor defecte mecanice. In acelasi timp, da intregului extractor un aspect lucios.

AXUL CENTRAL

9. Piesa forjata: Forjarea piesei este facuta la cald, ceea ce da forma capului.



10. Operare CNC: Pentru a crea filetul de pe axul central foarte precis a fost folosita o masina CNC.

11. Filetare: Filetul este de forma trapezoidala pentru a oferi o rezistenta mai buna la sarcini mari.



12. Tratament termic (calire si revenire): Tratamentul termic de durizare si calire este folosit pentru imbunatatirea structurii otelului, ca sa furnizeze o mai buna rezistenta si duritate produsului si alte caracteristici necesare pentru a depasi tensiunile pe care le cere lucrul cu acest produs.

13. Sablare: curatarea suprafetei inainte de cromare este importanta pentru marirea calitatii si durabilitatii protectiei suprafetei.

14. Brunare: Brunarea da finisarea definitiva filetului de antrenare, apoi acesta este uns cu ulei pentru a asigura o protectie eficace.



MANER MIC

15. Brosarea gaurii: Brosarea interna e realizata in doua etape.Intai se da o gaura la dimensiunea dorita, apoi se realizeaza brosajul la interior. Aceasta permite o miscare optima pe maner deasupra capului extractorului.



16. Operare CNC: Manerul uzinat de o masina CNC aduce o precizei mai mare si aceasta amelioreaza functiile sculei.



17. Tratament termic (calire si revenire): Tratamentul termic de durizare si calire este folosit pentru imbunatatirea structurii otelului, ca sa furnizeze o mai buna rezistenta si duritate produsului si alte caracteristici necesare pentru a depasi tensiunile pe care le cere lucrul cu acest produs.



18. Sablare: curatarea suprafetei inainte de cromare este importanta pentru marirea calitatii si durabilitatii protectiei suprafetei.

19. Cromare: Manerul extractorului este placat cu un strat subtire si dur de oxid de crom care protejeaza contra coroziunii, uzurii si a altor defecte mecanice. In acelasi timp, da intregului extractor un aspect lucios.

ASAMBLARE

20. Asamblare finala: Lucratori antrenati, indemanatici si meticulosi care executa asamblarea finala vor asambla produsul intr-un intreg care asigura functionalitatea si calitatea inalta a produsului.



689/2BI

Extractor inertial

- *material:otel special de scule*
- *forjare, calire si intarire totala*
- *finisarea suprafetei: acoperire cromare conform EN12540*
- *maner ergonomic rezistent bimaterial*

Avantaje:

- *Set de 6 piese ale extractorului inertial Dimensiuni: 7-9,10-12, 12-15, 17-22, 22-28, 30-36*

Utilizare

- *Este folosit pentru extragerea diferitelor tipuri de rulmenti.Rulmentul este blocat la partea interioara si extras*
- *rulmentul este extras cu o greutate de 1 kg*



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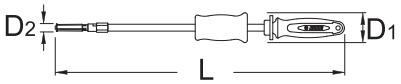
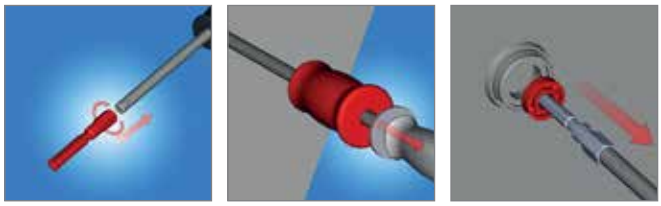




	D1	D2↓	D2↑	L↓	L↑				
622587	52	6,5	36	495	555	3300	1G	1	1734.75

52

Dispozitiv de fixare pentru extractor interior cu 3 fante

- *utilizare in combinatie cu extractoare de interior din seria 51 si 51-E*
- *ax puternic cu filet cu pas fin*



NEXUS

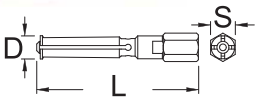
						Nm		
NEX- 52-1	51-0A - 51-6B, 51-E3	M10	35–75	M16x1,5x136	12	30	700	309.05
52-1,5	51-4B - 51-7B, 51-E3, 51-E7	M10+G3/8"	60-130	M24x1,5x160	19	60	1600	576.99

689.1/4

Extractor interior cu fante



UNIOR



	D	L	S				
623089	6,5 - 8	81	14	45	1E	1	128.36
623090	10 - 12	83	14	51	1E	1	128.69
623091	12 - 15	92	14	67	1E	1	130.00
623092	17 - 20	102,5	14	136	1E	1	177.87
623093	22 - 28	125	17	276	1E	1	211.97
623094	30 - 36	140	22	500	1E	1	287.38

51

Extractor interior cu fante

- *pentru rulmenti cu bile extrem de stransi, curele de rulmenti, bucse si etansari radiale ale arborelui*
- *multe grade de prindere pentru toate domeniile de prindere*
- *marginile de prindere foarte late pentru o potrivire perfecta si o extragere sigura*
- *ax mecanic cu filet rectificat*
- *poate fi folosit fie cu ciocane inertiale, fie cu dispozitive de sprijinire*



NEXUS

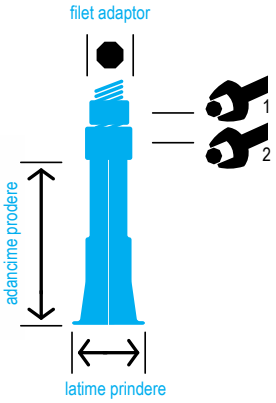
	Ø	L				Nm	1	2		
51-0B	7 - 9	30	52-1, 52-1A	52-1, 52-1A	M10	7	10	13	50	330.35
51-1A	10 - 13	30	52-1, 52-1A	52-1, 52-1A	M10	15	10	13	50	330.35
51-2A	14 - 19	60	52-1, 52-1A	52-1, 52-1A	M10	28	10	13	90	270.10
51-3A	20 - 25	60	52-1, 52-1A	52-1, 52-1A	M10	40	10	17	110	362.86
51-4A	25 - 30	60	52-1, 52-1A	52-1, 52-1A	M10	40	10	17	120	376.26
51-6A	38 - 45	70	52-1, 52-1A, 52-1,5	52-1, 52-1A, 52-1,5	M10	45	17	22	290	518.60
51-7A	45 - 55	100	52-2, 52-1,5, 52-4	52-2, 52-1,5, 52-4	G3/8"	45	19	27	650	673.12

51 - E

Extractor interior cu 3 fante

- *pentru extragerea lagarelor interioare, inelelor si bucselor*
- *constructie robusta pentru operatiuni grele*
- *gama larga de prindere pentru diverse aplicatii*
- *ax mecanic cu filet rectificat*
- *poate fi folosit fie cu ciocane inertiale, fie cu dispozitive de sprijinire*





NEXUS

	Ø	L				Nm	1	2		
51-E3	25 - 40	45	52-1, 52-1A, 52-1,5	52-01, 52-01A	M10	45	13	19	260	485.45
51-E7	40 - 75	100	52-1,5, 52-2, 52-4	52-02A, 52-03	G3/8"	45	17	27	760	839.83
51-E8	70 - 117	130	52-4	52-02A, 52-03	G3/8"	45	19	27	1400	1251.68

55-A

Set de extractoare de interior 10-45 mm / 7 piese

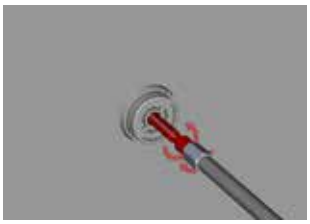


	D				
55-A	10 - 45	7	3300	1	**3097.07**

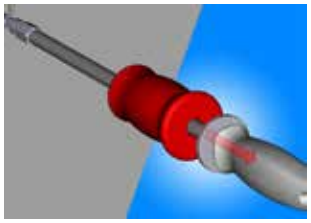
extractoare de interior **51-1A, 51-2A, 51-3A, 51-4A, 51-5A, 51-6A**, dispozitiv fixare **52-1**



Inainte de a incepe aplicarea, trebuie sa insurubaii dimensiunea corespunzatoare a extractorului pe maner.



Mai întâi introduceți extractorul prin orificiul din rulment care va fi demontat din carcasă. Apoi începeți să înșurubați spinul în extractor, care are o funcție de deschidere a corpului extractorului, care se adaptează la alezajele rulmentului.



Începeți cu loviri constante, demontând rulmentul cu ajutorul ciocanului culisant.



După câteva curse, demontați rapid și ușor rulmentul din carcasă fără deteriorare.

55-S

Set de extractoare de interior 15-75 mm / 5 piese



	D				
55-S	15 - 75	5	3600	1	**2614.35**

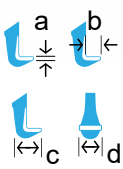
extractoare de interior **51-2A1, 51-3A, 51-E3, 51-E7**, dispozitiv fixare **52-1,5**

140-S30

Extractor inertial cu 3 brate

- *design solid pentru sarcini mecanice ridicate*
- *piulita de centrare a bratelor mentine bratele in pozitie optima*





	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
140-S30	20 - 100	80	45	3,5	M10	1,8	10	20	12	**841.34**

52

Extractor inertial

- *daca conditiile de spatiu nu permit utilizarea dispozitivelor de contra-suport*
- *a se utiliza in combinatie cu extractoare de interior din seria 51 si 51-E*
- *diametru 40-75 mm*
- *lungime 30 mm*



	Diametru	Modele	Maner	Tija		
52-02A	M10	51-2C -> 51-7B, 51-E3, 51-E7, 51-E8	Ø 45x100/0,7 kg	Ø 16x250	1400	**541.12**

51 - N SG

Set extractor pentru rulmenti cu ace in cutie

- *se poate folosi si la rulmenti cu bile sau bucse.*
- *pentru automobile : BMW, CITROEN, FIAT, FORD, DB, OPEL, PEUGEOT, PORSCHE, RENAULT, ROVER, SAAB, VOLVO, VW, NISSAN, DATSUN, TOYOTA, etc.*



	Diametru	Continut		
51-NSG	11 - 20	1 pereche de segmente, 10 pene, 1 ciocan inertial	2000	**985.82**

63-SET1

Set extractor pentru piese cu filet interior

- *pentru indepartarea usoara si sigura a tuturor pieselor cu filete interne (stifturi, chei de pene, stifturi)*
- *combinabil cu extractoare interne de precizie NEXUS*
- *seturile permit stocarea clara si organizata a pieselor individuale si sunt gata de utilizare*
- *toate articolele sunt furnizate intr-o carcasa robusta de depozitare si transport din plastic*

- *extractor inertial 1,0 kg (63-H)*
- *insertie cu filet M4 (63-M4)*
- *insertie cu filet M5 (63-M5)*
- *insertie cu filet M6 (63-M6) - 51-6B*
- *insertie cu filet M8 (63-M8)*
- *insertie cu filet M10 (63-M10)*
- *insertie cu filet M12 (63-M12)*
- *adaptor pentru extractor interior 51-0A - 51-6B (63-A)*



NEXUS

63-SET1	2000	**866.88**

63-SET2

Set extractor pentru piese cu filet interior

- *pentru indepartarea usoara si sigura a tuturor pieselor cu filete interne (stifturi, chei de pene, stifturi)*
- *combinabil cu extractoare interne de precizie NEXUS*
- *seturile permit stocarea clara si organizata a pieselor individuale si sunt gata de utilizare*
- *toate articolele sunt furnizate intr-o carcasa robusta de depozitare si transport din plastic*

- *extractor inertial 1,0 kg (63-H)*
- *insertie cu filet M4 (63-M4)*
- *insertie cu filet M5 (63-M5)*
- *insertie cu filet M6 (63-M6)*
- *insertie cu filet M8 (63-M8)*
- *insertie cu filet M10 (63-M10)*
- *insertie cu filet M12 (63-M12)*
- *adaptor pentru extractor interior 51-0A - 51-6B (63-A)*
- *extractor interior 9-12 mm (51-0C)*
- *extractor interior 13-17 mm (51-1B)*
- *extractor interior 18-23 mm (51-2C)*



NEXUS

63-SET2	2400	**1331.03**

146

Extractor de flanse inertial

- *pentru flanse cu 4 sau 5 gauri*
- *cu ciocan inertial greu si tija culisanta extra lunga pentru maximizarea puterii de extractie*



NEXUS

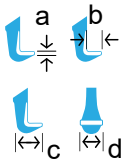
	Diametru	Bolturi	Ciocan	Tija		
146	100-150	>14	Ø 60x100/1,7 kg	Ø 16x330/M16x1,5	3700	**1184.11**

131 - 132

Extractoare cu doua brate reglabile

- *design robust, forjat*
- *ax puternic cu filet pas fin si bila inlocuibila pentru o centrare optima (131)*
- *brate reversibile cu doua capete pentru prindere larga sau ingusta*
- *constructia cu autoblocare apasa automat bratele sub piesa care trebuie extrasa*
- *surub (filet x lungime): M14x1,5x130 mm (131) si M18x1,5x240 (132)*





NEXUS

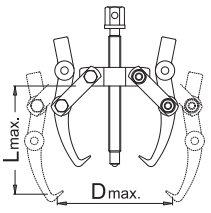
	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
131	20 - 150	85	50	3,5	17	2	9	21	12	**406.68**
132	40 - 220	130	60	4,0	19	4	11	25	21	**696.22**

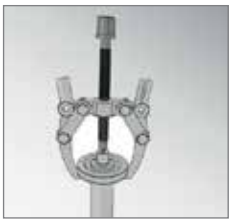
680/2

Extractoare cu doua brate reglabile

- *material: otel special de scule*
- *forjata, calire si revenire totala*
- *acoperire: cromare in conformitate cu EN 12540, surubul brunat*
- *bratele reglabile in doua pozitii*
- *gheara extractoare se pozitioneaza sub partea de extras*







UNIOR

	№	LT	DT				
612603	0	90	90	405	1H	1	**243.44**
601762	1	160	130	915	1H	1	**330.98**
601763	2	230	190	1905	1H	1	**574.26**
601764	3	300	250	4075	1H	1	**780.82**

680.1/4

Surub

- *material:otel special de scule*
- *forjata, tratament termic total*
- *acoperire:brunare*



UNIOR

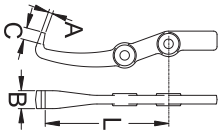
	M	L	S				
623062	Tr 10 x 1,5	114	14	75	1E	1	**52.67**
623063	Tr 14 x 2	173	17	195	1E	1	**66.79**
623064	Tr 18 x 2	239	22	510	1E	1	**90.54**
623065	Tr 26 x 3	311	32	1270	1E	1	**225.15**

680.2/2

Brat

- *material: compozitie speciala pentru calire revenire*
- *forjat, tratat complet*
- *suprafata: cromata in concordanta cu standardul EN 12540*





UNIOR

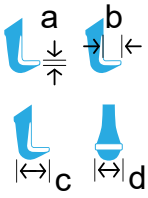
	L	A	B	C				
623069	70	2,6	10	7,5	56	1E	1	**29.43**
623070	105	3,5	15,5	10	155	1E	1	**37.52**
623071	170	6,5	19	20	352	1E	1	**60.25**
623072	220	7	22	22,5	700	1E	1	**117.05**

135

Extractoare cu doua brate reglabile

- *cu surub de fixare a bratelor*
- *pentru spatii extrem de inguste*
- *surub (filet x lungime): G 1/2"x 14 x 270 mm*

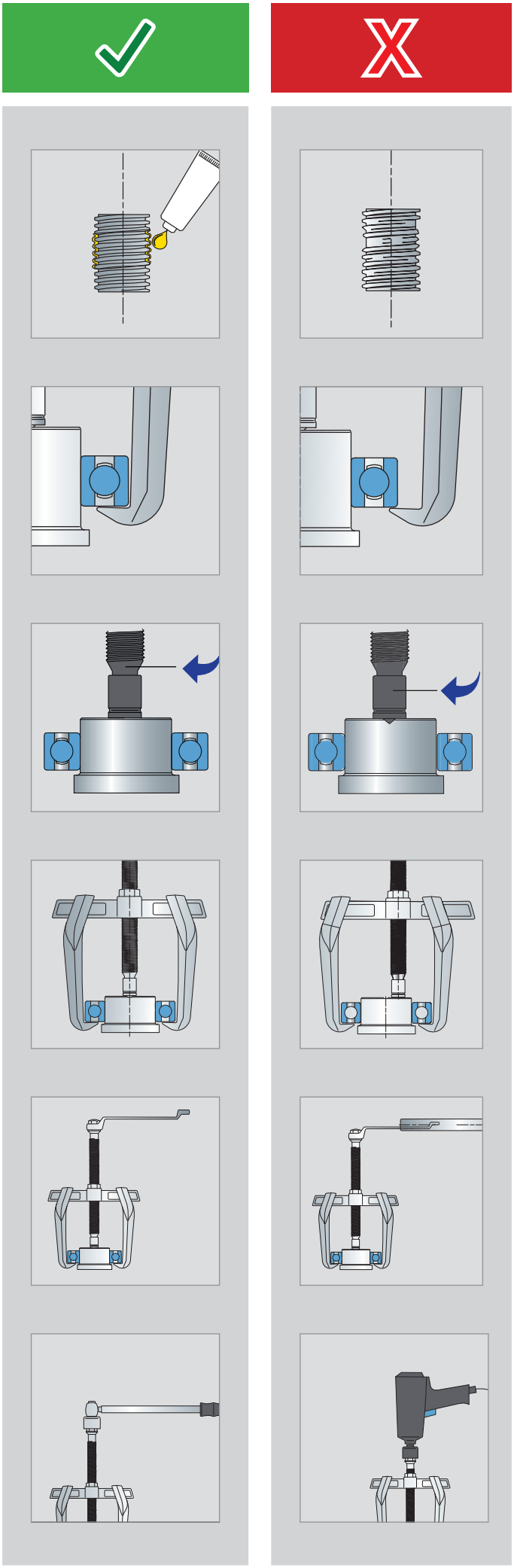




NEXUS

	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
135-3	50 - 300	250	120	6	22	5	25	48	30	**1046.66**
135-5	50 - 400	400	120	6	22	5	25	48	30	**1293.30**
135-7	50 - 500	500	120	6	22	5	25	48	30	**1487.99**





681/2

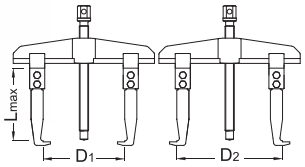
Extractoare cu doua brate glisante

- *material:otel special de scule*
- *forjata, calire si revenire totala*
- *acoperire: cromare in conformitate cu EN 12540, surubul brunat*

Avantaje:

- *prin intoarcerea bratelor, extractorul poate fi de interior sau de exterior*
- *design rigid si robust pentru lucrari dificile*





UNIOR

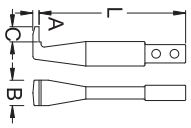
	№	B	D1	D2	L				
601765	300	280	70 - 220	110 - 260	150	3355	1H	1	825.74
601766	400	450	110 - 360	190 - 450	200	8725	1H	1	1489.18

681.2/2

Brat

- *material: compozitie speciala pentru calire revenire*
- *suprafata: cromata in concordanta cu standardul EN 12540*





UNIOR

	L	A	B	C				
623073	142	8	25	15	327	1E	1	69.71
623074	180	13	40	24	768	1E	1	137.53

683/2

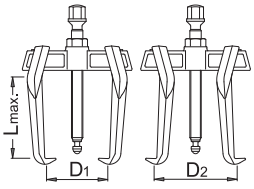
Extractoare cu doua brate glisante

- *material: otel special de scule*
- *forjata, calire si revenire totala*
- *acoperire: cromare in conformitate cu EN 12540, surubul brunat*
- *gheara extractoare se pozitioneaza sub partea de extras*

Avantaje:

- *prin intoarcerea bratelor, extractorul poate fi de interior sau de exterior*





UNIOR

	№	L	D1	D2				
615076	60	90	65	50 - 90	325	1H	1	357.05
615077	90	90	90	50 - 110	395	1H	1	382.62
615078	130	140	130	80 - 140	1125	1H	1	507.70
615079	180	140	180	80 - 180	1225	1H	1	617.05
615080	250	195	250	130 - 250	4025	1H	1	1000.66
615081	350	195	350	130 - 350	4525	1H	1	1074.75

683.1/4

Surub

- *material:otel special de scule*
- *acoperire:brunare*



UNIOR

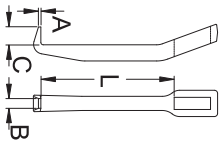
	M	L	S				
623066	Tr 10 x 1,5	134	14	85	1E	1	59.39
623067	Tr 14 x 2	201	17	250	1E	1	76.43
623068	Tr 26 x 3	286	32	1180	1E	1	163.35

683.2/2

Brat

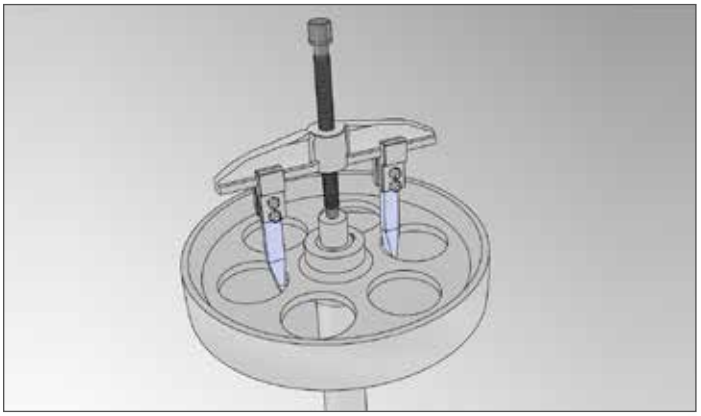
- *material:compozitie speciala pentru calire revenire*
- *forjat, tratat complet*
- *suprafata:cromata in concordanta cu standardul EN 12540*





UNIOR

	L	A	B	C				
623075	90	1,1	8	10	98	1E	1	40.28
623076	140	2	12	15	240	1E	1	79.35
623077	195	3	16	22	812	1E	1	196.75

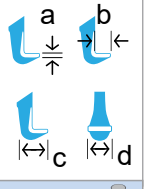


E100

Extractor universal cu 2 brate cu piulite rapide

- *sistemul de prindere rapida Easy-Fix permite o reglare eficienta si rapida a bratelor de extragere*
- *design robust, forjat*
- *ax puternic cu filet cu pas fin si bila inlocuibila pentru o centrare optima*
- *brate de extragere reversibile pentru utilizare externa sau interna*
- *extensibil cu brate de lungime diferita, optimizate pentru adancimea de prindere necesara*





NEXUS

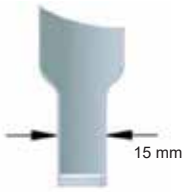
	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
E100-1	20 - 90	100	80	4,5	17	3	13	25	20	549.30

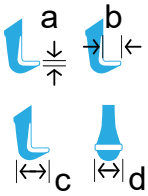
95-1SP

Presa cu 2 brate

- *cu surub de fixare a bratelor*
- *pentru spatii extrem de inguste*







	Diametru	L	Nm	tone	filet	SW	a	b	c	d	
95-1SP	0 - 60	50	25	1.5	M12 x 90	13	2.5	3	6	15	**832.52**

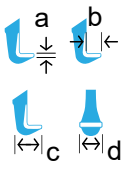


143-20

Extractoare cu trei brate reglabile

- *design solid pentru sarcini mecanice ridicate*
- *ax puternic cu filet pas fin*
- *brate cu autocentrare*





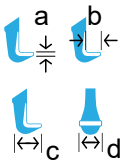
	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
143-20	10 - 60	45	25	2,5	12	2	9	18	10	**345.56**

133 - 134

Extractoare cu trei brate reglabile

- *design robust, forjat*
- *ax puternic cu filet pas fin si bila inlocuibila pentru o centrare optima (134)*
- *brate reversibile cu doua capete pentru prindere larga sau ingusta*
- *constructia cu autoblocare apasa automat bratele sub piesa care trebuie extrasa*
- *surub (filet x lungime): M14x1,5x130 mm (133) si M18x1,5x240 (134)*





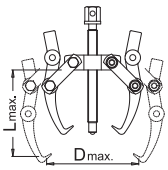
	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
133	20 - 150	85	50	3,5	17	2	9	21	12	**528.06**
134	40 - 220	130	60	4,0	19	4	11	25	21	**910.07**

682/2

Extractoare cu trei brate reglabile

- *material:otel special de scule*
- *forjata, calire si revenire totala*
- *acoperire: cromare in conformitate cu EN 12540, surubul brunat*
- *bratele reglabile in doua pozitii*
- *gheara extractoare se pozitioneaza sub partea de extras*





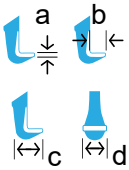
	№	D̄f	L̄f				
612604	0	90	90	305	1H	1	**321.80**
601767	1	160	130	1725	1H	1	**396.56**
601768	2	230	190	2570	1H	1	**661.48**
601769	3	300	250	5100	1H	1	**971.64**

E113

Extractor universa cu 3 brate cu piulite rapide "EXTRA"

- *utilizare pe exterior si interior, apucarea se face cu bratele paralele, bratele au lungime standard*
- *optional brate de diverse lungimi*





	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
E113-1,5	25 - 130	100	90	5.5	17	3	13	25	20	**806.63**

62 - 1K

Set extractor pentru rulmenti cu bile

cu 3 brate reglabile radial in cutie

• face posibila scoaterea rulmentilor din carcasa fara a demonta utilajul si fara a scoate arborele.
• se poate folosi si la scoaterea rulmentilor de pe arbore atunci cand nu exista suficient loc pentru o presa exterioara.
• EX: SKF, FAG, Timken, NTN si rulmenti similari de la alti producatori

AVANTAJE :
• lucreaza cu trei brate se pot folosi pana la patru brate
• bratele sunt reglabile radial in functie de numarul de bile
• manevrare usoara de un singur lucrator
• formeaza un bloc rigid pentru extragere in siguranta
• bratele nu se pot rasuci
• bratele nu pot aluneca in lateral
• lungime mare cand se folosesc prelungitoarele de brat suplimentare



Instructiuni de utilizare:
- se gaureste colivia rulmentului intre bile
- se introduce un brat in gaura si se rasuceste la 90 grade
- se fixeaza acest brat in suport cu un surub de fixare
- se regleaza surubul de actionare incat sa fie in contact cu arborele
- se introduc celelalte brate in rulment se rotesc si se fixeaza in suport
- se aseaza bratele radial incat pozitia lor sa fie echilibrata
- se strange piulita de pe suport ca sa obtinem o structura rigida
- se invarte surubul de actionare





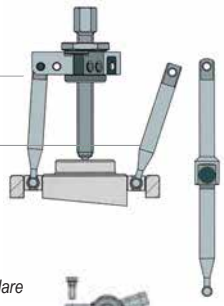
lungime standard: 90 mm



prelungitor de brat:
plus 95 mm

asamblare rigida:
un brat si suportul

doua brate reglabile radial
(se strang suruburile pentru fixarea bratelor)



punctele rosii sunt repere pentru asamblare

incepeti cu fixarea unui brat in suport, montarea surubului de actionare in contact cu arborele si apoi montarea celorlalte brate



Continut 22 piese:
1 suport cu trei brate
3 seturi de brate (cate 3 brate/set)
3 prelungitoare de brat
6 suruburi de fixare
1 surub de actionare
2 prelungitoare pentru surubul de actionare

pentru extractoare cu bile ISO:
6004 - 6015
6200 - 6211
6300 - 6307
6403 - 6404

	Diametru	Lungime	Diametru brate	Surub (filet x lungime)	SW	Cuplu max.	Capacitate max.	Greutate	
62 - 1K	18-130	95 + 95	Ø5.5 mm 6.0 mm Ø8.0 mm	M14x1,5x130	17	60	5 tone (50 kN)	2,8 kg	**2970.82**



S113

Set extractor KRALLEX cu 3 brate subtiri si inguste



	Diametru	Lungime	Brat	
S113-14	25 - 130	100/200/250	KRALLEX 3,6	**2693.12**

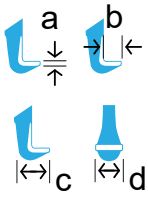
F113 - 2,5

Presa universala cu 3 brate si cu cilindru hidraulic

• *surub (filet x lungime): M10 x 90 mm*

12 t / 120 KN





NEXUS

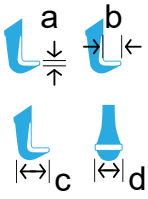
	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
F113-2,5	50 - 200	145	60	-	13	4	16	35	25	**3016.73**

100-M

Presa universala cu 3 brate

• *extractor universal cu 3 brate culisante care raman paralele tot timpul, construit pentru conditii grele de lucru, cu diferite lungimi de brate*
• *surub (filet x lungime): M10 x 90 mm*





NEXUS

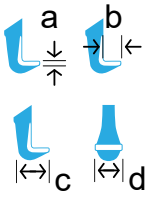
	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
100 - M1	100 - 380	200	400	15	36	5	25	54	35	**5364.35**
100 - M2	120 - 520	200	400	15	36	5	25	54	35	**6353.19**

113 KRALLEX

Extractor KRALLEX cu 3 brate

• *3 brate de lungime standard, culisante pentru pastrarea paralelismului, bratele sunt plate si au ciocurile de agatare subtiri*
• *setul de brate se poate comanda pe diferite lungimi*
• *surub (filet x lungime): G1/2"x14x210*





NEXUS

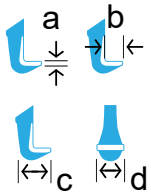
	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
113 - 24	60 - 200	150	150	6.5	22	5	7.5	15	40	**1816.48**

136

Presa cu 3 brate

• *cu surub de fixare a bratelor*
• *pentru spatii extrem de inguste*
• *surub (filet x lungime): G 1/2"x 14 x 270 mm*





NEXUS

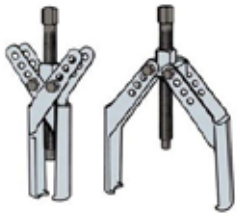
	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
136-5	50 - 400	400	220	12	22	5	25	48	30	**1685.70**
136-7	50 - 500	500	220	12	22	5	25	48	30	**1980.12**
136-10	50 - 500	650	220	12	22	5	25	48	30	**2284.64**

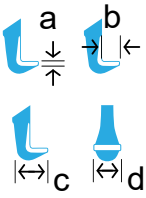
314

Extractor tip foarfeca cu autocentrare

• *surub (filet x lungime): M10 x 105 mm*







NEXUS

	Diametru	Lungime	Nm	tone	SW	a	b	c	d	
314-1	6 - 100	70/80	25	1.5	12	2.5	4.5	8.5	23	**717.53**

105

Piston hidraulic pentru prese mecanice

• *presa va fi montata impreuna cu pistonul hidraulic intr-o pozitie sigura*
• *se roteste surubul de actionare al pistonului*
• *NU SE FOLOSESC SCULE DE IMPACT*
• *daca cursa pistonului nu este suficienta, se slabeste si se mai coboara surubul presei*



NEXUS

	Cursa	Cuplu maxim	Surub presiune	SW	
105-0	8	60 Nm	M14x1,5x60	17	**1058.21**
105-1	12	70 Nm	M14x1,5x85	17	**1241.64**

UK-6

Extractor hidraulic

Actionare cu levier

Inaltime: 322 mm (fara brate)
Greutate: 5,9 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 92 cc
forta exercitata: 7,03 tone / 62,5 kN
cursa piston: 82 mm

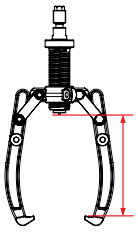
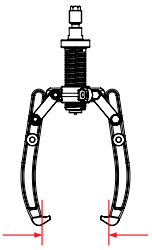
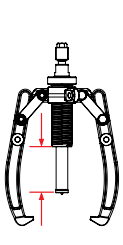
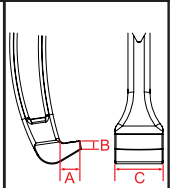
■ *nu necesita un dispozitiv hidraulic de actionare separata, pompa de mana suplimentara, furtun hidraulic si cuplaj*
■ *usor de utilizat si permite actionarea de catre o singura persoana.*
■ *capul de tractiune combinat pentru 2/3 brate pe care pot fi instalate 2 sau 3 brate interschimbabile in functie limitele perimse de spatiul in care este utilizat.*
■ *brate realizate din parti forjate si sunt supuse la un tratament special de calire si revenire pentru a oferi cea mai buna rezistenta si o perioada de utilizare prelungita.*
■ *manerul pivotant cu maner rotativ 360˚ permite pomparea in toate directiile.*
■ *supapa de siguranta unica, conceputa pentru a reduce riscul supraincarcarii prin limitarea fortei aplicate.*
■ *extractorul hidraulic complet permite generarea de forta si demontarea fara efort.*
■ *punctul central cu arc al axului hidraulic permite centrarea usoara a extractorului pe arbore.*

■ *Accesorii:*
cutie pentru depozitare si transport





Unitate masura: mm

Adancime	Deschidere	Cursa piston	Brate - varfuri		
					
			A	B	C
165	30 - 200	82	11.3	7.3	23

KuDos® Professional Hydraulic Tools.

MANUAL | MAINTAIN | PROTECTION | PROTECTION | EASY | SKIDPROOF | 360°

	Adancime	Deschidere	Cursa piston			
UK-6	165	30-200	82	5900	-	**4181.93**

UK-6HE

Extractor hidraulic

Actionare cu pompa hidraulica

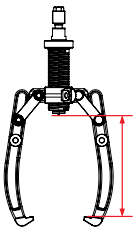
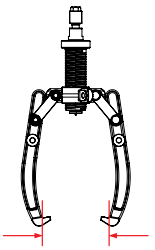
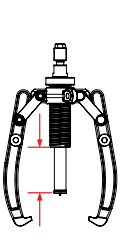
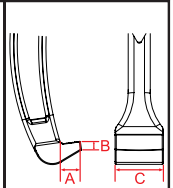
Inaltime: 261 mm (fara brate)
Greutate: 5,9 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 92 cc
forta exercitata: 7,03 tone / 62,5 kN
cursa piston: 82 mm

■ *usor de utilizat si permite actionarea de catre o singura persoana.*
■ *capul de tractiune combinat pentru 2/3 brate pe care pot fi instalate 2 sau 3 brate interschimbabile in functie limitele perimse de spatiul in care este utilizat.*
■ *brate realizate din parti forjate si sunt supuse la un tratament special de calire si revenire pentru a oferi cea mai buna rezistenta si o perioada de utilizare prelungita.*
■ *manerul pivotant cu maner rotativ 360˚ permite pomparea in toate directiile.*
■ *supapa de siguranta unica, conceputa pentru a reduce riscul supraincarcarii prin limitarea fortei aplicate.*
■ *extractorul hidraulic complet permite generarea de forta si demontarea fara efort.*
■ *punctul central cu arc al axului hidraulic permite centrarea usoara a extractorului pe arbore.*
■ *functioneaza cu orice pompa hidraulica cu presiunea nominala a uleiului de 700 bar (10.000 psi).*

■ *Accesorii:*
cutie pentru depozitare si transport



Unitate masura: mm

Adancime	Deschidere	Cursa piston	Brate - varfuri		
					
			A	B	C
165	30 - 200	82	11.3	7.3	23

KuDos® Professional Hydraulic Tools.

MANUAL | MAINTAIN | PROTECTION | PROTECTION | EASY | SKIDPROOF | 360°

	Adancime	Deschidere	Cursa piston			
UK-6HE	165	30-200	82	5200	-	**3830.35**

UK-8

Extractor hidraulic

Actionare cu levier

Inaltime: 348 mm (fara brate)
Greutate: 8,9 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 134 cc
forta exercitata: 9,73 tone / 86,6 kN
cursa piston: 82 mm

■ *nu necesita un dispozitiv hidraulic de actionare separata, pompa de mana suplimentara, furtun hidraulic si cuplaj*
■ *usor de utilizat si permite actionarea de catre o singura persoana.*
■ *capul de tractiune combinat pentru 2/3 brate pe care pot fi instalate 2 sau 3 brate interschimbabile in functie limitele perimse de spatiul in care este utilizat.*
■ *brate realizate din parti forjate si sunt supuse la un tratament special de calire si revenire pentru a oferi cea mai buna rezistenta si o perioada de utilizare prelungita.*
■ *manerul pivotant cu maner rotativ 360° permite pomparea in toate directiile.*
■ *supapa de siguranta unica, conceputa pentru a reduce riscul supraincarcarii prin limitarea fortei aplicate.*
■ *extractorul hidraulic complet permite generarea de forta si demontarea fara efort.*
■ *punctul central cu arc al axului hidraulic permite centrarea usoara a extractorului pe arbore.*

■ *Accesorii:*
cutie pentru depozitare si transport



Unitate masura: mm

Adancime	Deschidere	Cursa piston	Brate - varfuri		
			A	B	C
240	30 - 300	82	16.3	8.3	29

KuDos Professional Hydraulic Tools.

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY · SKIDPROOF · 360°

	Adancime	Deschidere	Cursa piston			
UK-8	240	30-300	82	8900	-	4274.45

UK-8HE

Extractor hidraulic

Actionare cu pompa hidraulica

Inaltime: 261 mm (fara brate)
Greutate: 7,8 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 134 cc
forta exercitata: 8,8 tone / 86 kN
cursa piston: 82 mm

■ *usor de utilizat si permite actionarea de catre o singura persoana.*
■ *capul de tractiune combinat pentru 2/3 brate pe care pot fi instalate 2 sau 3 brate interschimbabile in functie limitele perimse de spatiul in care este utilizat.*
■ *brate realizate din parti forjate si sunt supuse la un tratament special de calire si revenire pentru a oferi cea mai buna rezistenta si o perioada de utilizare prelungita.*
■ *manerul pivotant cu maner rotativ 360° permite pomparea in toate directiile.*
■ *supapa de siguranta unica, conceputa pentru a reduce riscul supraincarcarii prin limitarea fortei aplicate.*
■ *extractorul hidraulic complet permite generarea de forta si demontarea fara efort.*
■ *punctul central cu arc al axului hidraulic permite centrarea usoara a extractorului pe arbore.*
■ *functioneaza cu orice pompa hidraulica cu presiunea nominala a uleiului de 700 bar (10.000 psi).*

■ *Accesorii:*
cutie pentru depozitare si transport



Unitate masura: mm

Adancime	Deschidere	Cursa piston	Brate - varfuri		
			A	B	C
240	30 - 300	82	16.3	8.3	29

KuDos Professional Hydraulic Tools.

MANUAL · MAINTAIN · PROTECTION · PROTECTION · EASY · SKIDPROOF · 360°

	Adancime	Deschidere	Cursa piston			
UK-8HE	240	30-300	82	7800	-	3848.85

UK-12

Extractor hidraulic
Actionare cu levier

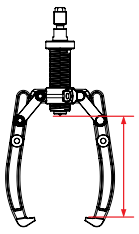
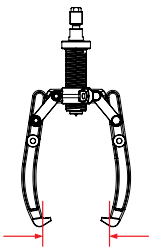
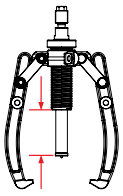
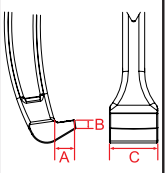
Inaltime: 351 mm (fara brate)
Greutate: 12,3 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 190 cc
forta exercitata: 12,7 tone / 125 kN
cursa piston: 80 mm

■ *nu necesita un dispozitiv hidraulic de actionare separata, pompa de mana suplimentara, furtun hidraulic si cuplaj*
■ *usor de utilizat si permite actionarea de catre o singura persoana.*
■ *capul de tractiune combinat pentru 2/3 brate pe care pot fi instalate 2 sau 3 brate interschimbabile in functie limitele perimse de spatiul in care este utilizat.*
■ *brate realizate din parti forjate si sunt supuse la un tratament special de calire si revenire pentru a oferi cea mai buna rezistenta si o perioada de utilizare prelungita.*
■ *manerul pivotant cu maner rotativ 360˚ permite pomparea in toate directiile.*
■ *supapa de siguranta unica, conceputa pentru a reduce riscul supraincarcarii prin limitarea fortei aplicate.*
■ *extractorul hidraulic complet permite generarea de forta si demontarea fara efort.*
■ *punctul central cu arc al axului hidraulic permite centrarea usoara a extractorului pe arbore.*

■ *Accesorii:*
cutie pentru depozitare si transport



Unitate masura: mm

Adancime	Deschidere	Cursa piston	Brate - varfuri		
					
			A	B	C
240	50 - 280	80	16.3	8.3	29

KuDos Professional Hydraulic Tools.

MANUAL | MAINTAIN | PROTECTION | PROTECTION | EASY | SKIDPROOF | 360˚

	Adancime	Deschidere	Cursa piston			
UK-12	240	50-280	80	12300	-	**5199.65**

UK-12HE

Extractor hidraulic
Actionare cu pompa hidraulica

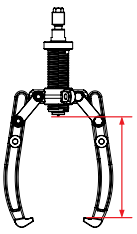
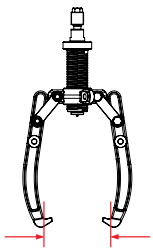
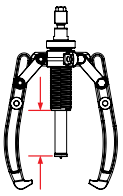
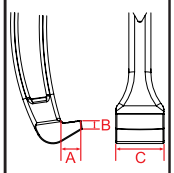
Inaltime: 264 mm (fara brate)
Greutate: 8,8 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 190 cc
forta exercitata: 12,7 tone / 125 kN
cursa piston: 80 mm

■ *usor de utilizat si permite actionarea de catre o singura persoana.*
■ *capul de tractiune combinat pentru 2/3 brate pe care pot fi instalate 2 sau 3 brate interschimbabile in functie limitele perimse de spatiul in care este utilizat.*
■ *brate realizate din parti forjate si sunt supuse la un tratament special de calire si revenire pentru a oferi cea mai buna rezistenta si o perioada de utilizare prelungita.*
■ *manerul pivotant cu maner rotativ 360˚ permite pomparea in toate directiile.*
■ *supapa de siguranta unica, conceputa pentru a reduce riscul supraincarcarii prin limitarea fortei aplicate.*
■ *extractorul hidraulic complet permite generarea de forta si demontarea fara efort.*
■ *punctul central cu arc al axului hidraulic permite centrarea usoara a extractorului pe arbore.*
■ *functioneaza cu orice pompa hidraulica cu presiunea nominala a uleiului de 700 bar (10.000 psi).*

■ *Accesorii:*
cutie pentru depozitare si transport



Unitate masura: mm

Adancime	Deschidere	Cursa piston	Brate - varfuri		
					
			A	B	C
240	50 - 280	82	16.3	8.3	29

KuDos Professional Hydraulic Tools.

MANUAL | MAINTAIN | PROTECTION | PROTECTION | EASY | SKIDPROOF | 360˚

	Adancime	Deschidere	Cursa piston			
UK-12HE	240	50-280	80	8800	-	**4144.92**

UK-12L

Extractor hidraulic

Actionare cu levier

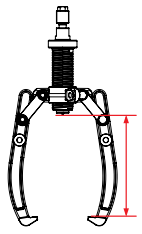
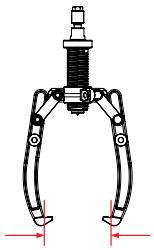
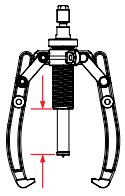
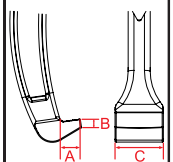
Inaltime: 351 mm (fara brate)
Greutate: 12,4 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 190 cc
forta exercitata: 12,7 tone / 125 kN
cursa piston: 80 mm

■ *nu necesita un dispozitiv hidraulic de actionare separata, pompa de mana suplimentara, furtun hidraulic si cuplaj*
■ *usor de utilizat si permite actionarea de catre o singura persoana.*
■ *capul de tractiune combinat pentru 2/3 brate pe care pot fi instalate 2 sau 3 brate interschimbabile in functie limitele perimse de spatiul in care este utilizat.*
■ *brate realizate din parti forjate si sunt supuse la un tratament special de calire si revenire pentru a oferi cea mai buna rezistenta si o perioada de utilizare prelungita.*
■ *manerul pivotant cu maner rotativ 360° permite pomparea in toate directiile.*
■ *supapa de siguranta unica, conceputa pentru a reduce riscul supraincarcarii prin limitarea fortei aplicate.*
■ *extractorul hidraulic complet permite generarea de forta si demontarea fara efort.*
■ *punctul central cu arc al axului hidraulic permite centrarea usoara a extractorului pe arbore.*

■ *Accesorii:*
cutie pentru depozitare si transport



Unitate masura: mm

Adancime	Deschidere	Cursa piston	Brate - varfuri		
					
			A	B	C
275	50 - 360	80	18.6	7.8	29



	Adancime	Deschidere	Cursa piston			
UK-12L	275	50-360	80	12400	-	5606.74

UK-12LHE

Extractor hidraulic

Actionare cu pompa hidraulica

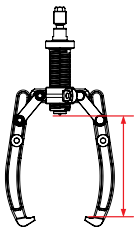
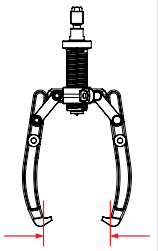
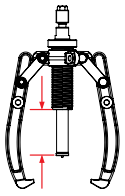
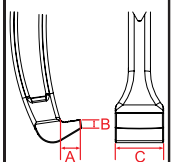
Inaltime: 264 mm (fara brate)
Greutate: 11,6 kg
■ *Specificatii:*
presiune maxima: 700 bar
necesar ulei: 190 cc
forta exercitata: 12,7 tone / 125 kN
cursa piston: 80 mm

■ *usor de utilizat si permite actionarea de catre o singura persoana.*
■ *capul de tractiune combinat pentru 2/3 brate pe care pot fi instalate 2 sau 3 brate interschimbabile in functie limitele perimse de spatiul in care este utilizat.*
■ *brate realizate din parti forjate si sunt supuse la un tratament special de calire si revenire pentru a oferi cea mai buna rezistenta si o perioada de utilizare prelungita.*
■ *manerul pivotant cu maner rotativ 360° permite pomparea in toate directiile.*
■ *supapa de siguranta unica, conceputa pentru a reduce riscul supraincarcarii prin limitarea fortei aplicate.*
■ *extractorul hidraulic complet permite generarea de forta si demontarea fara efort.*
■ *punctul central cu arc al axului hidraulic permite centrarea usoara a extractorului pe arbore.*
■ *unctioneaza cu orice pompa hidraulica cu presiunea nominala a uleiului de 700 bar (10.000 psi).*

■ *Accesorii:*
cutie pentru depozitare si transport



Unitate masura: mm

Adancime	Deschidere	Cursa piston	Brate - varfuri		
					
			A	B	C
275	50 - 360	80	18.6	7.8	29



	Adancime	Deschidere	Cursa piston			
UK-12LHE	275	50-360	80	11600	-	4959.10

173-0 NOU

Set de separatoare 5-60 mm

- *separatoarele sunt combinate cu extractoare și tije de prelungire potrivite.*
- *fiecare set permite o depozitare clară și organizată a componentelor individuale și este gata de utilizare.*
- *majoritatea seturilor sunt livrate într-o cutie robustă din plastic pentru depozitare și transport*
- *separatoare (Art.-Nr. 170-0)*
- *extractor pentru separatoare (Art.-Nr. 172-0)*
- *tije de prelungire (Art.-Nr. 172-00)*



173-0	5 - 60	150	1900	**1224.86**

S173-1 NOU

Set de separatoare 5-75 mm

- *separatoarele sunt combinate cu extractoare și tije de prelungire potrivite.*
- *fiecare set permite o depozitare clară și organizată a componentelor individuale și este gata de utilizare.*
- *majoritatea seturilor sunt livrate într-o cutie robustă din plastic pentru depozitare și transport*
- *separatoare (Art.-Nr. 170-0, 170-1)*
- *extractor pentru separatoare (Art.-Nr. 172-1)*
- *tije de prelungire (Art.-Nr. 172-10)*



S173-1	5 - 75	150	2800	**2037.00**

173-1 NOU

Set de separatoare 12-75 mm

- *separatoarele sunt combinate cu extractoare și tije de prelungire potrivite.*
- *fiecare set permite o depozitare clară și organizată a componentelor individuale și este gata de utilizare.*
- *majoritatea seturilor sunt livrate într-o cutie robustă din plastic pentru depozitare și transport*
- *separatoare (Art.-Nr. 170-1)*
- *extractor pentru separatoare (Art.-Nr. 172-1)*
- *tije de prelungire (Art.-Nr. 172-10)*



173-1	12 - 75	150	2400	**1646.75**

173-2

Set de separatoare 22-115 mm

- *separatoarele sunt combinate cu extractoare și tije de prelungire potrivite.*
- *fiecare set permite o depozitare clară și organizată a componentelor individuale și este gata de utilizare.*
- *majoritatea seturilor sunt livrate într-o cutie robustă din plastic pentru depozitare și transport*
- *separatoare (Art.-Nr. 170-2)*
- *extractor pentru separatoare (Art.-Nr. 172-2)*
- *tije de prelungire (Art.-Nr. 172-20)*



173-2	22 - 115	210	7600	**2408.39**

174 NOU

Set de separatoare 22-115 mm

- *separatoarele sunt combinate cu extractoare și tije de prelungire potrivite.*
- *fiecare set permite o depozitare clară și organizată a componentelor individuale și este gata de utilizare.*
- *majoritatea seturilor sunt livrate într-o cutie robustă din plastic pentru depozitare și transport*
- *separatoare (Art.-Nr. 170-2)*
- *extractor universal (Art.-Nr. 100-1, 100-2)*
- *brate de extragere (pereche) (Art.-Nr. 1-200, 2-300)*
- *presa suplimentara hidraulica (Art.-Nr. 105-1)*



174	22 - 115	300	12400	**6100.74**

173-3 NOU

Set de separatoare 25-155 mm

- *separatoarele sunt combinate cu extractoare și tije de prelungire potrivite.*
- *fiecare set permite o depozitare clară și organizată a componentelor individuale și este gata de utilizare.*
- *majoritatea seturilor sunt livrate într-o cutie robustă din plastic pentru depozitare și transport*
- *separatoare (Art.-Nr. 170-2)*
- *extractor pentru separatoare (Art.-Nr. 172-2)*
- *tije de prelungire (Art.-Nr. 172-20)*



173-3	25 - 155	315	11500	**3546.94**

173-4 NOU

Set de separatoare 25-155 mm

- *separatoarele sunt combinate cu extractoare și tije de prelungire potrivite.*
- *fiecare set permite o depozitare clară și organizată a componentelor individuale și este gata de utilizare.*
- *majoritatea seturilor sunt livrate într-o cutie robustă din plastic pentru depozitare și transport*
- *separatoare (Art.-Nr. 170-2)*
- *extractor pentru separatoare (Art.-Nr. 172-2)*
- *tije de prelungire (Art.-Nr. 172-20)*



NEXUS

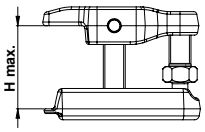
173-4	30 - 220	305	29000	6627.23

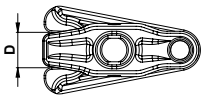
2032/2

Extractor de pivoti

- *material:otel carbon*
- *capacitate falci 23 mm*
- *cursa maxima 53 mm*
- *pentru extragerea pivotilor de la mecanismul de suspensie*







UNIOR

619736	23	53	780	1G	1	445.90

169-1

Presa pentru articulatii

- *separator pentru pivoti si capete de bara cu actionare prin surub M16x1,5x70 cu cap hexagonal*
- *puterea optima prin transmisia cu parghie*
- *ax puternic cu filet pas fin si bila inlocuibila pentru o centrare optima*
- *potrivit pentru majoritatea masinilor si autoutilitarelor*



NEXUS

169-1	24	max. 50	40	3,5	17	749.16

169-2P

Extractor de pivoti universal reglabil

- *pentru turisme AUDI, ALFA-ROMEO, BMW, CITROEN, FIAT FORD, HONDA, MB, OPEL, PEUGEOT, RENAULT, SAAB, SEAT, SKODA, VOLVO, VW*



NEXUS

	Deschidere	Adancime	Nm	Tone	Filet	SW	
169-2P	24	60-80	40	3,5	M16x1,5x90	17	1022.62

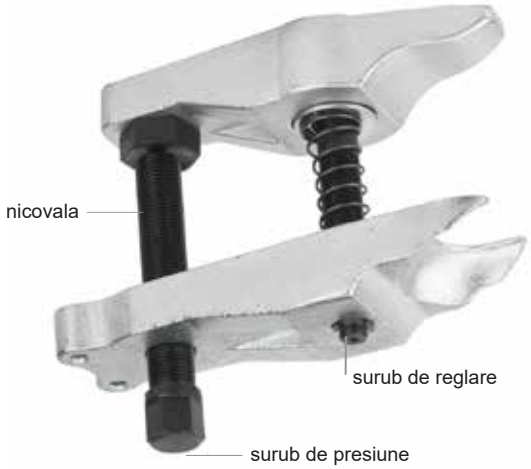
169-4

Presa pentru articulatii (pivoti si bielete)

- *testat in conditii de lucru grele*
- *pentru dube si camioane mijlocii*

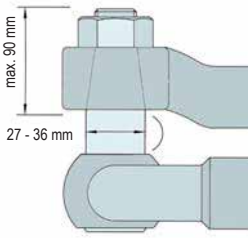
MB Atego pana la 17t / MAN M 2000 / IVECO / RENAULT / SCANIA / VOLVO / DAF

- *surub de reglare (filet x lungime): M18 x 1,5 x 120 mm*
- *surub de presiune (filet x lungime): G 1/2"x 14 x 110 mm*





surubul de actionare este prevazut cu o piulita care poate fi insurubata in sens invers pentru strangerea pivotului



UTILIZARE: se aseaza presa intre bila si brat, se regleaza bratul superior al presei paralel cu bratul cu furca, se fixeaza cu piulita, apoi se actioneaza surubul sau cilindrul hidraulic pentru separarea pieselor.

NEXUS

	Deschidere	Adancime	Nm	Tone	Filet	SW	
169-4	36	90	200	10	M18x1,5	22	1350.53

169-5H

Extractor pivoti pentru camioane grele si autobuze 110-15/35-45mm

- *extractor pivoti pentru camioane grele si autobuze*
- *ax cu actionare hidraulica pentru o putere sporita*
- *capacitate de pana la 20 t*

MB ACTROS, ATEGO, SK, O405, -N, -GN
MAN F2000, TG,A23, autobuze cu podea joasa
IVECO EURO-STAR, TECH, TURBO-STAR
RENAULT
SCANIA 3 si 4, ICARUS
VOLVO
DAF



NEXUS

	Diametru	Inaltime	Nm	tone	SW	
169-5H	45	max. 115	-	20	-	**3316.95**

169-5

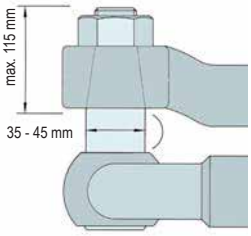
Extractor de pivoti reglabil pentru camioane si autobuze

- *testat in ateliere de camioane in conditii grele, folosit la camioane grele, autobuze cu podea joasa*
- *surub de reglare (filet x lungime): M24 x 1,5 x 150 mm*
- *surub de presiune (filet x lungime): G 3/4"x 14 x 125 mm*

MB ACTROS, ATEGO, SK, O405, -N, -GN
MAN F2000, TG,A23, autobuze cu podea joasa
IVECO EURO-STAR, TECH, TURBO-STAR
RENAULT
SCANIA 3 si 4, ICARUS
VOLVO
DAF







surubul de actionare este prevazut cu o piulita care poate fi insurubata in sens invers pentru strangerea pivotului

NEXUS

	Deschidere	Adancime	Nm	Tone	Filet	SW	
169-5	45	115	200	20	M24x1,5	27	**2317.14**

169-4H

Presa hidraulica pentru articulatii (pivoti si bielete)

- *cu actionare hidraulica*
- *capacitate 27 - 36 mm*
- *filet UN-1 1/2" x 16*

capacitate maxima
10 t (100 KN)



NEXUS

	Deschidere	Adancime	Nm	Tone	Filet	SW	
169-4H	36	90					**2506.38**

165

Extractor de pivoti pentru turisme si utilitare

- *165-1 pentru AUDI, ALFA-ROMEO, BMW, CITROEN, FIAT, FORD, HONDA, MB, OPEL, PEUGEOT, RENAULT, SAAB, SEAT, SKODA, VOLVO, VW*
- *165-2 pentru DUCATO din 1994, MB Sprinter, VW LT din 1998*



NEXUS

	Diametru furca	Adancime	Nm	Tone	Filet	SW	
165-1	28	55	60	4	M16x1,5x60	17	**430.71**
165-3	34	63	80	4	M16x1,5x70	19	**458.69**

165-SHM3

Set extractor surub brate masini 12 t

- *pentru indepartarea usoara si sigura a suruburilor de prindere de la osii*
- *pentru urmatoarele modele de masini:*
  - *Audi A4, A6 si Quattro*
  - *VW Passat construit din 1997*
  - *autoturisme cu osii cu patru cuple din aluminiu sau otel*
- *include instructiuni detaliate de utilizare*
- *setul este furnizat intr-o carcasa robusta de depozitare si transport din plastic*



NEXUS

	Contine	
165-SHM3	set cu arbore hidraulic nr. 110	**3515.30**

165-K3

Set extractor pentru articulatii (pivoti si bielete)

- *pentru automobile si utilitare*



	Diametru	Lungime	Contine	
165-K3	23/28/34	55/55/63	Nr. 165-1, 165-2, 165,3	**1347.75**

S167

Set extractor pentru pivoti (camioane)

- *presa pentru pivoti diametru furca 18 mm (167-1)*
- *presa pentru pivoti diametru furca 25 mm (167-2)*
- *presa pentru pivoti diametru furca 29 mm (167-3)*
- *presa reglabila pentru pivoti diametru furca 18-22 mm (168-1)*
- *presa reglabila cu transmisie tip parghie pentru pivoti diametru furca 24 mm (169-1)*
- *extractor pentru pivoti si articulatii diametru furca 31,5 mm (166-3)*



	Set	
S167	6 piese	**2125.76**

166

Furca de separare si montare

- *pentru eliberarea rapida a capetelor de bara directie si transmisie, brat directie*
- *demontarea amortizoarelor*
- *permite desfacerea capetelor fixate ferm in scaunul conic al articulatiei cu sfera*
- *utilizabil in cele mai inguste spatii*



	Diametru furca	Lungime totala	Greutate	
166-1	18	330	0,9	**336.73**
166-2	23	330	0,9	**362.56**

2051/4

Scula pentru demontarea amortizoarelor si suspensiilor

- *aceasta scula profesionala sub nr art 2051 destinata comprimarii arcurilor si demontarii suspensiilor McPherson. Are 3 seturi de gheare pentru diversitatea tipurilor existente. Demontarea arcurilor cere o forta mare si este riscanta, fapt pentru care s-a creat aceasta scula. ghearele sunt ferm atasate de arc in timpul lucrului. Incarcarea recomandata 9000 N. Incarcarea maxima. 37000 N Scula se livreaza in cutie de plastic pentru siguranta si transport usor.*
- *in set 2 gheare 80-115, 2 gheare 110-150 si 2 gheare 140-195*

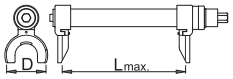
Cum sa utilizati scula:

- *alegeti ghiarele adecvate*
- *atasatile pe arc*
- *START Comprimati arcul*









	L		D				
619279	300	21	80 - 195	14600	1G	1	**3797.05**

2052/4

Scula pentru demontarea arcurilor varianta usoara

- *pentru schimbare arcuri*
- *incarcarea max pana la 11000 N*
- *Unior are sistemul de la art 2051, dar autoturismele mai mici nu au nevoie de un dispozitiv asa de mare fapt ce a dus la realizarea acestui articol. Cu aceiasi functionalitate ce art 2051 dar incarcarea recomandata este de 2750 N. Are un element de protectie suplimentar care sa permita lucrul intotdeauna paralel*







619733	19	4070	1G	1	**1603.11**

165-SHM03

Presa pentru suspensie multilink

Audi A4, - A6, VW Passat din 97

Piesa de presare plata

Bolt de scoatere



ATENTIE: eficienta optima se realizeaza cand parghia de presare este la 90 de grade
Fata de tija centrala, surubul de actionare este paralel.



Piulita de reglare (pentru tensionare si reglare a parghiei de presare la 90 de grade fata de tija centrala)

Parghie de presare
(pentru functionare optima se regleaza la aprox 90 de grade fata de tija centrala)

Instructiuni :

1. Se desurubeaza piulita
2. Se monteaza piesa plata de presare in parghie
3. Se monteaza presa si se strange surubul de actionare
4. Se inlocuieste piesa plata cu boltul de scoatere si se repeta operatiunea
5. Se scoate surubul cu un dorn



165-SHO3	2372.52

306 - S1

Set pentru desfacut flanse de conducte

• se foloseste la inlocuirea garniturilor sau la lucrari de intretinere la flanse de conducte tip DIN



	Deschidere	Pentru suruburi	Filet	SW	
306-S1	80-250	M16 - M24	M24x1,5	24	**2250.27**

200

Extractor mandrina pentru inele interioare de rulmenti

• pentru indepartarea inelelor interioare ale generatoarelor, motoarelor si altor componente ale masinii
• tensionare si eliberare usoara prin rotirea manuala a piulitei

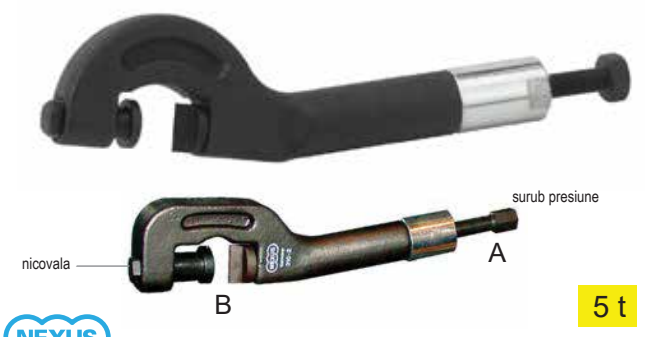


	Deschidere	Adancime	Nm	Coada	Filet	SW	
200	5-32	135	60	6x30	M14x1,5	17	**1433.25**

310

Dispozitiv hidraulic pentru spart piulite

• Se foloseste pentru piulite pana la grupa 10
Taisul este tratat prin inductie
Pertii canalului sunt roluiti
Instructiuni de utilizare :
1. Se aseaza poansonul taietor perpendicular pe o fata a piulite si se strange menghina din celalalt capat pana la fixarea dispozitivului pe piulita.
2. Incet, cu intreruperi pentru a lasa partea hidraulica sa lucreze, se invarte surubul de actionare. Cateva lovituri usoare de ciocan in menghina vor amplifica efectul de crapare. Daca cursa poansonului nu este suficienta, se desface dispozitivul si se mai strange menghina.
3. Dupa finalizare se desfileteaza surubul de actionare in pozitia initiala (A). Poansonul nu se retrage automat si trebuie impins inapoi (B).



NEXUS

	Deschidere	Pentru piulite	Cuplu	Filet	SW	
310-1	SW 7 - 22	M4 - M14	45	M14x1.5	8	**1153.11**

S310-S1

Set dispozitive pentru spart piulite



Dispozitiv mecanic pentru spart piulite:
311-0 *capacitate 4-10 mm*
311-1 *capacitate 4-17 mm*

Dispozitiv hidraulic pentru spart piulite:
310-1 *capacitate 7-22 mm*

NEXUS

	Set	
S310-S1	4-22 mm / 3 piese	**1358.78**
	310-1 7 - 22 mm; **311-0** 4 - 10 mm; **311-1** 4 - 17 mm	

301

Extractor bolturi cu o gama extra larga de utilizari 5-20 mm

• pentru indepartarea bolturilor deteriorate sau al pieselor rupte
• potrivit pentru filete pe dreapta sau pe stanga



NEXUS

	Diametru	Inaltime	Nm	tone	SW		
301	5 - 20	-	120	-	19	400	**506.12**

311

Dispozitiv manual pentru spart piulite

• pentru despicarea piulitelor stranse sau supra-rasucite pana la calitatea 6, fara a deteriora filetul surubului
• varful daltii tratat perin inductie
• dalta interschimbabila



NEXUS

	Deschidere	Pentru piulite	Cuplu	Filet	SW	
311-0	4 - 10	pana la M6	10	M10x25	14	**370.81**
311-1	4 - 17	pana la M10	40	M14x1.5x40	17	**444.99**
311-2	8 - 24	pana la M16	60	M16x1.5x40	17	**463.28**
311-3	18 - 36	pana la M24	80	M18x1.5x50	27	**595.86**

393

Dispozitiv manual pentru spart piulite

• pentru despicarea piulitelor stranse sau supra-rasucite pana la calitatea 6, fara a deteriora filetul surubului
• varful daltii tratat perin inductie
• dalta interschimbabila



WGB THE WERKZEUG

	Deschidere		
39309123	6-12 mm	81	**116.51**
39322273	17-27 mm	617	**227.29**
39325323	24-32 mm	636	**270.72**

2208.1/4

Surub pentru 2208

• material:otel special de scule
• acoperire:brunare



UNIOR

	M	L	S				
623959	Tr 14 x 1,5	110	17	170	1V	1	**79.70**

2208.1A/2

Surub de brat pentru 2208



UNIOR

	M	L	S				
623960	Tr 10 x 1,5	30	15	35	1V	1	**19.28**

2208.1B/2

Surub extractor pentru 2208



UNIOR

	M	L	S				
623961	Tr 10 x 1,5	60	15	45	1V	1	21.17

2208.2A/2

Brat extractor scurt pentru 2208



UNIOR

623962	130	1V	1	129.10

2208.2B/2

Brat extractor lung pentru 2208



UNIOR

623963	175	1V	1	135.12

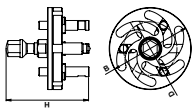
2210/2

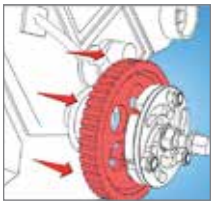
Extractor volante

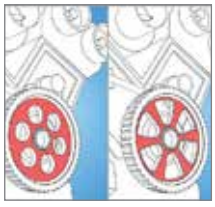
- *material:otel carbon*
- *capul cheii este tratat in intregime*
- *acoperire: cromare in conformitate cu EN 12540, surubul brunat*
- *pentru inlocuirea rotilor cu 3,6,9 canale*
- *Scula este destinata inlocuirii volantelor cu suprafata canelata.Se executa demontarea fara niciun pericol de deteriorare a volantului.Scula este reglabila pe diverse diametre, ca si bratele reglabile*



UNIOR









	B	D	H				
620226	100	48 - 82	135	1085	1G	1	426.07

2210.1/4

Surub pentru 2210/2

- *material:otel special de scule*
- *acoperire:brunare*



UNIOR

	M	L	S				
623964	Tr 14 x 1,5	82,5	17	140	1V	1	69.37

2210.2/2

Brat pentru 2210/2



UNIOR

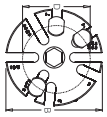
623966	50	1V	1	63.52

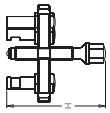
2210/2A

Extractor universal pentru roata distributie

- *material:otel carbon*
- *capul cheii este tratat in intregime*
- *acoperire: cromare in conformitate cu EN 12540, surubul brunat*
- *pentru inlocuirea tuturor tipurilor de roti (cu 2,3,4,5,6,7,8,9 canale)*
- *Scula este destinata inlocuirii volantelor cu suprafata canelata.Se executa demontarea fara niciun pericol de deteriorare a volantului.Scula este reglabila pe diverse diametre, ca si bratele reglabile*

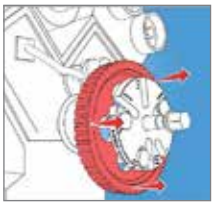






UNIOR







	B	D	H				
621780	100	48 - 82	135	750	1G	1	542.62

2210.2/2A

Brat pentru 2210/2A



UNIOR

623967	50	1V	1	66.61

2210.1/4A

Surub pentru 2210/2A

- *material:otel special de scule*
- *acoperire:brunare*



UNIOR

	M	L	S				
623965	Tr 14 x 1,5	82,5	17	140	1V	1	74.36



SCULE PENTRU SERVISAREA BICICLETELOR

Noua tehnologie avansata

Utilizarea unor noi metode tehnologice si a materialelor de inalta calitate asigura scule cu o durata mare de exploatare, design sigur ce garanteaza efectuarea unor lucrari de reparare fara pericole. Solutiile personalizate, efocienta excelenta, materialele moderne si designul ergonomic ofera o imagine frumoasa si o utilizare sigura.

Solutii particularizate pentru rezultate excelente

Solutiile noastre ofera adaptabilitate pieselor de bicicleta apartinand tuturor producatorilor. Traditia noastra, propriul nostru design, dezvoltarea tehnica constanta precum si tehnologia moderna, ne mentin in frunte.

Durabilitate excelenta

Sculele manuale Unior finalizeaza multe lucrari si faciliteaza lucrul in zone inguste. Acestea sunt adaptate la lucrul pe cele mai noi modele de biciclete.

UNIOR® Eklind®

AX

1. Tratament termic (calire si revenire): tratamentul termic prin calire si revenire este destinat imbunatatirii structurii otelului, pentru a oferi o mai mare duritate, tenacitate si alte calitati necesare depasirii incarcarii datorate lucrului cu un astfel de produs.



2. Polizarea: confera axului aspectul profesional corespunzator precum si protectia de suprafata solicitata.



AC

3. Prelucrare cu ajutorul unei masini cu comanda numerica CNC: axul este realizat in intregime din material solid. O atentie deosebita este conferita filetului care asigura o miscare lina a arborelui in carcasa si astfel o functionalitate optima.



4. Tratament termic (calire si revenire): tratamentul termic prin calire si revenire este destinat imbunatatirii structurii otelului, pentru a oferi o mai mare duritate, tenacitate si alte calitati necesare depasirii incarcarii datorate lucrului cu un astfel de produs.



5. Sablarea: curatirea suprafetei inainte de polizare este importanta pentru asigurarea unei protectii durabile si de calitate a suprafetei.

6. Polizare: confera axului un aspect corespunzator, profesional, impreuna cu uleiul corespunzator asigura de asemenea si protectia de suprafata solicitata.

MANER



7. Frezarea portiunii drepte a manerului

8. Tratament termic (calire si revenire): tratamentul termic prin calire si revenire este destinat imbunatatirii structurii otelului, pentru a oferi o mai mare duritate, tenacitate si alte calitati necesare depasirii incarcarii datorate lucrului cu un astfel de produs.



9. Sablare: curatirea suprafetei inainte de polizare este importanta pentru asigurarea unei protectii durabile si de calitate a suprafetei.

10. Cromare: carcasa clichetului este placata cu un strat subtire, solid de oxid de crom, care protejeaza impotriva coroziunii si uzurii, precum si a altor deteriorari mecanice.



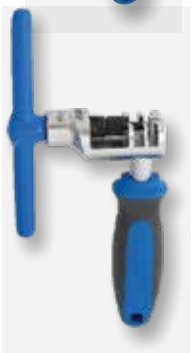
CARCASA

11. Prelucrarea cu ajutorul masinii cu comanda numerica CNC: carcasa este realizata in intregime din material solid. Se acorda o atentie deosebita centrarii si pozitionarii, ceea ce asigura functionalitatea optima a uneltei.



12. Tratamentul termic (calire si revenire): tratamentul termic prin calire si revenire este destinat imbunatatirii structurii otelului, pentru a imbunatatii duritatea si rezistenta produsului, precum si a altor proprietati necesare depasirii sarcinilor muncii cu astfel de produse.

13. Sablarea: curatarea suprafetei inainte de polizare este importanta pentru calitatea si protectia suprafetei.



14. Cromarea: carcasa este placata cu un strat subtire, solid de oxid de crom, care protejeaza impotriva uzurii si coroziunii, precum si a altor deteriorari mecanice. In acelasi timp confera intregului produs - uneltei Unior pentru montarea lantului - un aspect lucios si profesional.

ASAMBLARE

15, 16. Asamblarea finala: muncitorii instruiti, calificati si meticulosi efectueaza asamblarea finala a produsului intrun ansamblu solid, asigurand astfel functionarea si calitatea ridicata a extractorului Unior.





1655EURO17-US NOU

Multitool EURO17

• noul Euro17 Multitool - proiectat si produs in Slovenia, Europa, din cele mai bune materiale si la cel mai inalt standard al calitatii
• accesoriile incluse sunt placate cu crom, in plus, varfurile sunt acoperite cu oxid negru pentru a asigura cea mai mare toleranta si durabilitate
• crom vanadiu 4, molibden vanadiu 52, crom-siliciu-vanadiu 5 sunt doar cateva dintre materialele de ultima generatie utilizate pe Euro17 Multitool care fac din acest produs cea mai buna alegere de pe piata

Euro17 Multitool include:
• chei hexagonale 2, 2,5, 3, 4, 5, 6, 8
• chei cu profil TORX TX 10, 25
• surubelnita PH1
• surubelnita lata 1.0 x 5.0
• presa pentru lant
• instrument pentru valve Schrader & Presta
• chei pentru spite 3.3, 3.45 si DT







UNIOR

625901	184	242.13

1655EURO13-US NOU

Multitool EURO13

• noul Euro13 Multitool - proiectat si produs in Slovenia, Europa, din cele mai bune materiale si la cel mai inalt standard al calitatii
• accesoriile incluse sunt placate cu crom, in plus, varfurile sunt acoperite cu oxid negru pentru a asigura cea mai mare toleranta si durabilitate
• crom vanadiu 4, molibden vanadiu 52, crom-siliciu-vanadiu 5 sunt doar cateva dintre materialele de ultima generatie utilizate pe Euro13 Multitool care fac din acest produs cea mai buna alegere de pe piata

Euro13 Multitool include:
• chei hexagonale 2, 2,5, 3, 4, 5, 6, 8
• chei cu profil TORX TX 10, 25
• surubelnita PH1
• presa pentru lant
• instrument pentru valve Schrader & Presta







UNIOR

625902	160	215.32

1655EURO7-US NOU

Multitool EURO7

• noul Euro7 Multitool - proiectat si produs in Slovenia, Europa, din cele mai bune materiale si la cel mai inalt standard al calitatii
• accesoriile incluse sunt placate cu crom, in plus, varfurile sunt acoperite cu oxid negru pentru a asigura cea mai mare toleranta si durabilitate
• crom vanadiu 4, molibden vanadiu 52, crom-siliciu-vanadiu 5 sunt doar cateva dintre materialele de ultima generatie utilizate pe Euro7 Multitool care fac din acest produs cea mai buna alegere de pe piata

Euro7 Multitool include:
• chei hexagonale 1,5, 2, 2,5, 3, 4, 5, 6







UNIOR

625903	74	113.89



1655EURO6 NOU

Multitool EURO6

• noul Euro6 Multitool - proiectat si produs in Slovenia, Europa, din cele mai bune materiale si la cel mai inalt standard al calitatii
• accesoriile incluse sunt placate cu crom, in plus, varfurile sunt acoperite cu oxid negru pentru a asigura cea mai mare toleranta si durabilitate
• crom vanadiu 4, molibden vanadiu 52, crom-siliciu-vanadiu 5 sunt doar cateva dintre materialele de ultima generatie utilizate pe Euro6 Multitool care fac din acest produs cea mai buna alegere de pe piata

Euro6 Multitool include:
• chei hexagonale 4, 5, 6
• cheie cu profil TORX TX 25
• surubelnita PH1
• surubelnila lata 1.0 x 5.0







UNIOR

625904	89	110.32

25461

Multitool 6 functii tip briceag

• instrumente profesionale de inalta calitate, industriala
• fabricat din otel aliat Eklind®.
• tratat termic pentru rezistenra si ductilitate optime.
• finisat cu Eklind® Black Finish pentru a rezista la rugina
• seturile pliabile includ o varietate de dimensiuni populare intr-un singur maner convenabil pentru a va impiedica sa pierdeti cheile individuale.
• rabatati o cheie in unghi drept pentru a obtine un efect maxim de parghie. Rabatati complet o cheie pentru a functiona ca o surubelnita
• seturile pliabile Eklind® Ergo-Fold™ au o carcasă din plastic dur care este mai rezistenta decat otelul si un plastic moale peste maner pentru confort, rezistenta la alunecare si siguranta.
• forma ergonomică se potriveste confortabil in mana.







Eklind

25461	6	297	55.25

(T15, PH1, SL1/8" , SL3/16", SL1/4" , perforator)

25651

Multitool 5 functii tip briceag

• instrumente profesionale de inalta calitate, industriala
• fabricat din otel aliat Eklind®.
• tratat termic pentru rezistenra si ductilitate optime.
• finisat cu Eklind® Black Finish pentru a rezista la rugina
• seturile pliabile includ o varietate de dimensiuni populare intr-un singur maner convenabil pentru a va impiedica sa pierdeti cheile individuale.
• rabatati o cheie in unghi drept pentru a obtine un efect maxim de parghie. Rabatati complet o cheie pentru a functiona ca o surubelnita
• seturile pliabile Eklind® Ergo-Fold™ au o carcasă din plastic dur care este mai rezistenta decat otelul si un plastic moale peste maner pentru confort, rezistenta la alunecare si siguranta.
• forma ergonomică se potriveste confortabil in mana.







Eklind

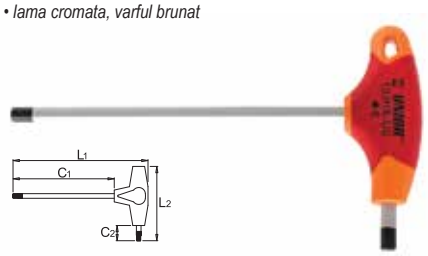
25651	5	297	41.31

(SL3/16"; PH1, HX4,0 mm; HX5,0 mm; HX6,0 mm)

193HX-US NOU

Chei hexagonale cu maner in T

- *material:tija-crom vanadiu tratata complet*
- *maner-polipropilena*
- *lama cromata, varful brunat*



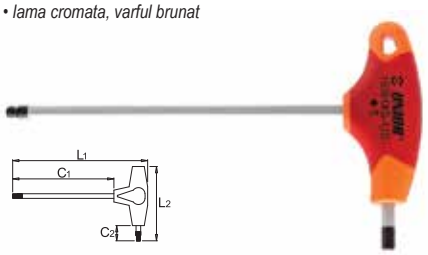
UNIOR

		L1	C1	C2	L2		
625108	2	126	100	15	75	12	**22.62**
625109	2,5	126	100	15	75	13	**22.62**
625110	3	126	100	15	75	16	**23.28**
625111	4	151	125	15	75	24	**29.67**
625112	4,5	184,5	150	20	100	57	**-**
625113	5	184,5	150	20	100	56	**33.28**
625114	6	184,5	150	20	100	74	**36.23**
625115	8	217,9	175	25	125	155	**51.31**
625116	10	242,9	200	25	125	233	**66.89**

193HXS-US NOU

Chei hexagonale cu cap sferic si cu maner

- *material:tija-crom vanadiu tratata complet*
- *maner-polipropilena*
- *lama cromata, varful brunat*



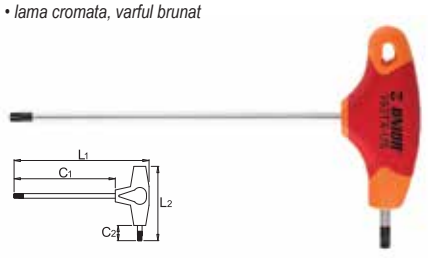
UNIOR

		L1	C1	C2	L2		
625117	3	126	100	15	75	16	**24.43**
625118	4	151	125	15	75	25	**30.49**
625119	5	184,5	150	20	100	56	**34.43**

193TX-US NOU

Chei cu maner in T cu profil TX

- *material:tija-crom vanadiu tratata complet*
- *maner-polipropilena*
- *lama cromata, varful brunat*



UNIOR

		L1	C1	C2	L2		
625711	TX 8	151	125	15	75	48	**40.98**
625121	TX 10	126	100	15	75	15	**41.15**
625122	TX 15	126	100	15	75	19	**47.21**
625712	TX 20	151	125	15	75	30	**51.31**
625123	TX 25	184,5	150	20	100	46	**53.93**
628632	TX 27	184,5	150	20	100	68	**57.38**
625124	TX 30	184,5	150	20	100	67	**66.23**
629941	TX 40	218	175	25	125	130	**-**

193HX-US.1 NOU

Set de surubelnite in T cu cap hexagonal in cutie de carton

- *setul include o gama de dimensiuni: 2 mm, 2,5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm si 10 mm, asigurandu-va ca aveti instrumentul potrivit pentru orice lucrare*
- *fabricata cu precizie, fiecare cheie hexagonala are o tija cromata cu crom-vanadiu cuplata cu un maner confortabil din doua componente pentru o prindere ergonomica si sigura*
- *pentru a creste precizia acestor unelte, varfurile sunt acoperite meticulos cu oxid negru, optimizand tolerantele sculei pentru cea mai mare precizie*
- *cheile hexagonale sunt proiectate pentru a oferi o potrivire perfecta pentru elementele de fixare si suruburi, oferindu-va incredere de neclintit in sarcinile dvs.*
- *material: tija-crom vanadium tratata complet*
- *maner-polipropilena*
- *lama cromata, varful brunat*



UNIOR BIKE TOOLS



629820	2 - 10 / 8		**429.34**

193HX-US (2, 2,5, 3, 4, 5, 6, 8, 10)

h.TW-HX NOU

Stand metalic pentru set de surubelnite in T cu cap hexagonal

- *fabricat din metal*
- *proiectat pentru cheile Unior HX, art. 193HX*
- *compatibil cu perforatiile expozitoarelor Unior.*



UNIOR BIKE TOOLS



	L	B	H		
629622	260	90	80	365	**123.77**

193TX-US.1 NOU

Set de surubelnite in T cu cap TORX in cutie de carton

- *acest set include o gama de dimensiuni: TX8, TX10, TX15, TX20, TX25, TX27, TX30 si suport suplimentar la indemana, asigurandu-va ca aveti intotdeauna unealta potrivita pentru orice lucrare*
- *fabricata cu precizie, fiecare cheie are o tija cromata cu crom-vanadiu cuplata cu un maner confortabil din doua componente pentru o prindere ergonomica si sigura*
- *pentru a creste precizia acestor unelte, varfurile sunt acoperite meticulos cu oxid negru, optimizand tolerantele sculei pentru cea mai mare precizie*
- *cheile noastre TX in T sunt proiectate pentru a oferi o potrivire perfecta pentru elementele de fixare si suruburi, oferindu-va incredere de neclintit in sarcinile dvs.*
- *material: tija-crom vanadium tratata complet*
- *maner-polipropilena*
- *lama cromata, varful brunat*



UNIOR BIKE TOOLS



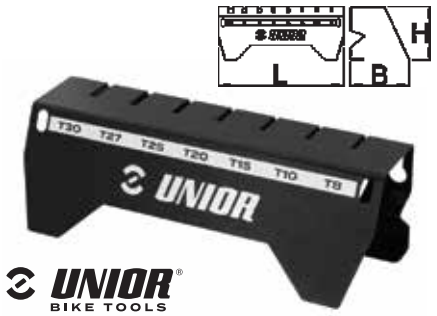
629821	TX 8 - TX 3 / 7		**463.28**

193TX-US (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30)

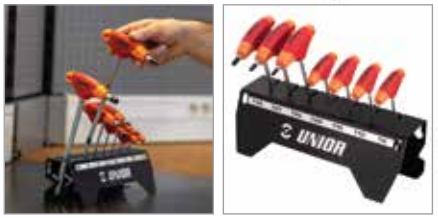
h.TW-TX NOU

Stand metalic pentru set de surubelnite in T cu cap TORX

- *fabricat din metal*
- *proiectat pentru cheile Unior TX, art. 193TX*
- *compatibil cu perforatiile expozitoarelor Unior.*



UNIOR BIKE TOOLS



	L	B	H		
629623	260	90	80	370	**123.77**

621/1TBI-US NOU

Surubelnita cu profil TORX cu gaura si maner trimaterial

- *lama: otel crom-vanadiu premium, calit si revenit integral*
- *suprafata lamei: cromata, varf innegrit*
- *maner: forma ergonomica*
- *material maner: trei componente*
- *altele: orificiu pentru agatare*



UNIOR

		C	L	D		
628279	TR 10	80	165	3	32	55.08
628280	TR 15	80	165	3.5	35	57.21
628281	TR 20	100	185	4	40	58.20
628282	TR 25	100	200	4.5	60	69.51
628430	TR 27	115	215	5.5	72	87.38
628283	TR 30	115	225	6	92	110.33

621/1TBICB6-US NOU

Set 6 surubelnite cu profil TORX cu gaura si maner trimaterial

- *lama: otel crom-vanadiu premium, calit si revenit integral*
- *suprafata lamei: cromata, varf innegrit*
- *maner: forma ergonomica*
- *material maner: trei componente*
- *altele: orificiu pentru agatare*



UNIOR

629695	TR10 - TR30 / 6	377	431.80

621/1TBI-US (TR 10, TR 15, TR 20, TR 25, TR 30, TR 27)

220/3SLPH-US NOU

Set de chei locas hexagonal extralungi cu cap sferic in suport de plastic 1.5-10 mm / 9 piese

- *material:crom vanadiu*
- *tratate*
- *acoperire prin nichelare*



UNIOR

626771	1.5 - 10 / 9	421	139.84

220/3SL (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10)

1781/2HX-US

Cheie hexagonala cu trei picioare

- *cheia este folosita la strangerea/desfacerea piulitelor cu profil hexagonal*
- *manerul din plastic injectat ofera o priza confortabila si compacta, permitand astfel lucrul eficient, in timp ce materialul de calitate ofera o viata lunga de utilizare a sculei*



UNIOR

				A	B	C				
624909	4	5	6	122	16	106	50	4A	1	60.34
624908	2	2,5	3	122	16	106	65	4A	1	63.98

1781/2TX-US

Cheie torx cu trei picioare

- *cheia este folosita la strangerea/desfacerea piulitelor cu profil torx*
- *manerul din plastic injectat ofera o priza confortabila si compacta, permitand astfel lucrul eficient, in timp ce materialul de calitate ofera o viata lunga de utilizare a sculei*



UNIOR

				A	B	C				
624911	10	15	25	122	16	106	50	4A	1	66.64

1781/2HXS-US

Cheie hexagonala cu cap sferic trei trei picioare

- *cheia este folosita la strangerea/desfacerea piulitelor cu profil hexagonal*
- *manerul din plastic injectat ofera o priza confortabila si compacta, permitand astfel lucrul eficient, in timp ce materialul de calitate ofera o viata lunga de utilizare a sculei*
- *versiunea 1781/2 HXS contine chei hexagoonale cu cap sferic care sunt deosebit de utile pentru lucrul in unghi*



UNIOR

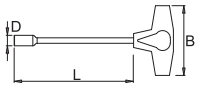
				A	B	C				
624910	4	5	6	122	16	106	50	4A	1	89.39

193N-US NOU

Chei cu maner de plastic in T

- *material: otel crom-vanadiu premium*
- *maner: polipropilena*
- *finisare suprafata: lama placata cu crom trivalent, conform ISO 1456:2009*





UNIOR

		D	L	B		
625120	5,5	8,8	272,9	100	106	70.00

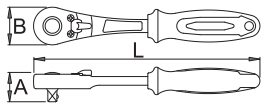
188.1/1ABI-US NOU

Antrenor cu clichet reversibil 1/4"

1/4"

- *material: compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*
- *cu 40 de dinti*
- *unghi de lucru: 9°*
- *sistem de blocare de securitate*
- *capul tubular este eliberat din clichet printr-o simpla a pasare pe buton*





UNIOR

		L	A	B		
625106	1/4"	157	24.5	25	111	181.97

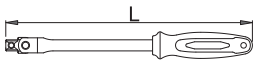
188.2/2BI-US NOU

Antrenor articulat cu maner

1/4"

- *material: crom vanadiu*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*





UNIOR

		L		
628961	1/4"	150	81	80.66

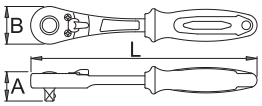
238.1/1ABI-US NOU

Antrenor cu clichet reversibil 3/8"

- *material: otel crom-vanadiu flexibil premium*
- *corp: forjat prin cadere*
- *tratament termic: calit si revenit integral*
- *finisare suprafata: crom trivalent, conform standardului ISO 1456:2009*
- *maner: ergonomic, robust, din doua componente*
- *standard de fabricatie: ISO 3315*

Avantaje:
- *75 dinti*
- *unghi de lucru de 4,8°*
- *sistem de blocare de siguranta*
- *capatul se elibereaza usor prin apasarea butonului*





UNIOR

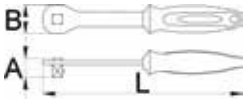
		L	A	B		
629378	3/8"	200	30	35	239	223.61

190.8/2BI-US NOU

Antrenor Pro Socket 1/2"

- *material: otel crom-vanadiu flexibil premium*
- *corp: forjat prin cadere*
- *tratament termic: calit si revenit integral*
- *finisare suprafata: crom trivalent, conform standardului ISO 1456:2009*
- *maner: ergonomic, robust, din doua componente*
- *manerul Pro Socket nu este doar o alta unealta din gama noastra generala. A fost dezvoltat special pentru programul nostru destinat bicicletelor. Este usor, compact, extrem de durabil si prevazut cu un maner ergonomic din doua componente.*
- *proiectat pentru a functiona perfect cu sculele noastre pentru inele de blocare a casetei, capete plate pentru servisarea suspensiei si multe altele*





UNIOR

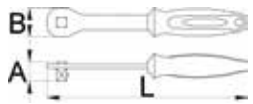
		L	A	B		
627085	1/2"	250	23,5	36	271	75.41

190.8/2BI

Antrenor Pro Socket 1/2"

- *material: otel crom-vanadiu flexibil de calitate premium*
- *corp: forjat la cald*
- *complet calit si revenit*
- *finisaj de suprafata: placare cu crom trivalent conform standardului ISO 1456:2009*
- *maner ergonomic robust, cu doua componente*





UNIOR

		L	A	B		
627084	1/2"	250	23,5	36	271	58.85

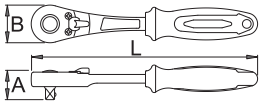
190.1/1ABI-US NOU

Antrenor cu clichet reversibil 1/2"

- *material: otel crom-vanadiu flexibil premium*
- *corp: forjat prin cadere*
- *tratament termic: calit si revenit integral*
- *finisare suprafata: crom trivalent, conform standardului ISO 1456:2009*
- *maner: ergonomic, robust, din doua componente*
- *standard de fabricatie: ISO 3315*

Avantaje:
- *75 dinti*
- *unghi de lucru de 4,8°*
- *sistem de blocare de siguranta*
- *capatul se elibereaza usor prin apasarea butonului*





UNIOR

		L	A	B		
625107	1/2"	260	36	45	423	244.26

1782M NOU

Trusa capete chei tubulare 1/4” si 1/2” Master Bits

- *fabricat in Europa pentru a indeplini standardele ISO 2725-1 si ISO 3315, setul de prize pentru biciclete Master include toate prizele si bitii de antrenare necesare pentru fiecare nevoie de bicicleta*
- *de la unitatea comuna de 10 mm 1/4” pana la sistemul specializat T40 Torx Plus pentru sistemele de e-bike Bosch, acest set cuprinzator acopera totul*
- *conceput atat pentru mecanicul de acasa entuziast, cat si pentru tehnicianul profesionist de biciclete, ofera*
- *cutie durabila din tabla de otel pentru depozitare si transport in siguranta*
- *49 piese*
- *unelte depozitate in siguranta in tava de spuma SOS.*
- *compatibilitate cu drivere cu clichet de 1/4" si 1/2".*
- *manere ergonomice din doua componente pentru o prindere sigura si confortabila*



UNIOR BIKE TOOLS





629765	49	4200	1611.31

188/2 6p (4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14); **190/1 6p** (15, 16, 17, 18, 19); **192/2HX** (12, 15, 8, 10, 14); **187/2HX** (2,5, 3, 4, 5, 6) **192/2HXL** (5x64, 6x64, 8x64, 10x64, 12x64, 14x64) **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40) **192/2TXL** (TX 25, TX 30); **190.7/2** (1/2"x3/8"); **188.7/2** (1/4" - 3/8") **192/2TXP; 188.1/1ABI-US** (1/4"); **190.1/1ABI-US** (1/2") **981K1/2R** (1/2VDEx448x198x54 mm)

1782

Set bits si capete tubulare

- *setul de biti si tubulare Unior pentru service de bicicleta include toate piesele necesare pentru cele mai frecvente interventii.*
- *tubularele si bitii mai mici sunt de 1/4", iar cele mai mari de 3/8".*
- *pentru a permite utilizarea tuturor componentelor atat cu clichetul, cat si cu cheia dinamometrica indiferent de dimensiune, setul include doi adaptori de conversie – unul pentru folosirea bitilor de 1/4" pe unelte de 3/8", iar celalalt pentru invers.*
- *toate componentele pot fi folosite cu clichet sau cu o cheie dinamometrica.*
- *elementele sunt aranjate ordonat intr-o tava SOS din spuma.*

Setul contine:
- *biti Torx: T25, T27, T30*
- *biti imbus (hex): 3, 4, 5, 6, 8, 10 mm*
- *tubulare: 8, 9, 10, 11, 12, 13, 14, 15 mm*
- *adaptori: 1/4" la 3/8" si 3/8" la 1/4"*



UNIOR

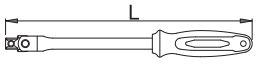
629380	80	1F	1	489.51

190.2/1BI-US NOU

Antrenor articulat cu maner 1/2” 450 mm

- *material: crom vanadiu*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*
- *executie in concordanta cu standardul ISO 3315*





UNIOR

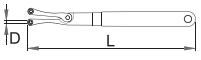
628645	1/2"	450	663	179.84

253/2DP-US

Cheie reglabila cu stifturi

- *material:crome vanadium*
- *bolturi: brunate*
- *capul cheii este tratat in intregime*
- *acoperire cromare conform EN12540*
- *manere din doua straturi de plastic*
- *bolturile de 2, 3 mm si 2, 8 mm sunt interschimbabile, distanta dintre ele este reglabila. Distanta cea mai mare intre bolturi este 50 mm in pozitie deschisa si 10 mm in pozitie inchisa.*





UNIOR

624933	123	4B	10	147.21

253.1/4A

Set de stifturi filetate pentru art. 253 A



UNIOR

621020	7	1E	1	39.97

760HB-US NOU

Pila lata cu maner, bastard

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*
- *orificiu pentru agatare*



UNIOR

625715	200	325	5 x 20	245	42.79

763HB-US NOU

Pila rotunda cu maner, bastard

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*
- *orificiu pentru agatare*



UNIOR

625714	200	375	7,5	157	39.02

819A-US NOU

Ciocan antirecul

Caracteristici tehnice:
- *bile metalice in capul ciocanului care absorb socul*
- *granulele din otel absorb eficient impactul*
- *corp metalic tubular lacuit*
- *maner tubular metalic lacuit, cu prindere din plastic*
- *capete din poliuretan – fixe, nereversibile*
- *siguranta ridicata in utilizare*

Avantaje:
- *vantaj fata de un ciocan obisnuit: nu ricoseaza de pe obiect datorita granulelor de otel care absorb impactul*
- *bilele de otel din capul ciocanului previn reculul si adauga forta suplimentara la lovire*
- *vibratii reduse in maner la impact*

Utilizare:
- *ciocanul este folosit pentru montarea rulmentilor, asamblarea mobilierului, pavaje interioare si exterioare*
- *nu este recomandat pentru lovirea obiectelor ascutite – contactul cu suprafete ascutite poate deteriora capul din poliuretan al ciocanului*



UNIOR

626485	45	315	116	866	184.75

463/4BI-US NOU

Cleste de taiere la nivel

- *material: otel carbon premium plus*
- *fabricatie: forjat prin cadere, calit si revenit integral*
- *taisuri: calite prin inductie*
- *manere: robuste, din doua componente, pentru utilizare intensiva*



UNIOR

626381	140	19	10	17,5	162	168.69

407/4PR NOU

Cleste pentru suruburi

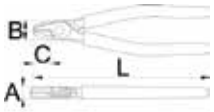
- *clestele utilizat pentru a desface suruburile care au profilul capului deteriorat si nu pot fi desfacute cu unelte standard*
- *deteriorarea profilului surubului se acumuleaza de obicei atunci cand suruburile sunt blocate din cauza lipirii sau coroziunii si a deteriorarii profilului capului de surub.*
- *clestele are dantura uzinata atat vertical cat si orizontal*
- *dintii sunt puternici si foarte ascutiti si dau o aderenta excelenta pe capul surubului indiferent de profilul sau*
- *clestii pot fi folositi pe suruburi cu diametrul capului de la 3 pana la 11 mm*
- *material: otel carbon Premium plus*
- *forjat la cald, in intregime calit si revenit*
- *finisarea suprafetei capului: polizat fin*
- *finisarea suprafetei: fosfatat conform standard ISO 9717*
- *manere plastizolate*

Avantaje:
- *falci dublu zimtate, orizontal si vertical*
- *uz multifunctional*
- *pentru suruburi cu diametrul capului de la 3 la 11 mm*
- *lungimea bratelor clestelui usureaza desurubare*



Φ 3～Φ11mm





UNIOR

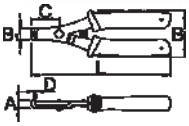
629036	170	19.2	25	11	149	4B	10	141.64

1753/2B-US

Cleste spite bicicleta

- *cea mai noua varianta pentru montarea sau inlocuirea spitelor maner ergonomic cu aderenta ridicata sistem de blocare a spitei in cleste pentru manipulare sigura si precisa*





UNIOR

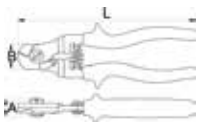
628712	1,4	2,2	180	59	15	35,5	10	106.56

584/4BI-US

Cleste de taiat cabluri de otel

- *clesti creati special pentru taierea si schimbarea cablurilor rupte*
- *clestele asigura taieri precise si netede, fara deformare, pe carcasa cablurilor si este dotat cu o functie de strangere pentru capacele de capat*
- *mecanismul de blocare: mecanismul de blocare pastreaza clestii inchisi pentru depozitarea mai usoara*
- *pentru a debloca mecanismul de blocare, strangeti si eliberati clestii.*
- *pentru a asigura performanta de taiere, va sfatuim sa nu utilizati clestele pentru schimbarea/taierea cablurilor de frana si a spitelor.*





UNIOR

628148	180	18	25	219	243.11

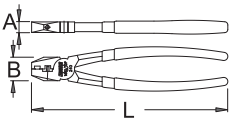


1640/1DP-US

Cleste pentru lant bicicleta

- *material: otel de scule calit si revenit*
- *tratat complet*
- *acoperire cromare in conformitate cu EN12540*
- *capetele clestelui tratate prin inductie*
- *manere din doua straturi de plastic*
- *clestele pentru montare demontare lant a fost dezvoltat pentru a asigura atat reparatii profesionale in service-uri sau acasa a lantului.*
- *functionalitatea, eficienta si usurinta sunt avantajele clestelui pentru lant.*
- *cu forma sa unica se asigura mai putin efort pentru extragerea bolturilor de pe lant.*
- *munca va fi eficienta si confortabila fara a deteriora bolturile*
- *forma ergonomica asigura folosirea cu o singura mana*





UNIOR

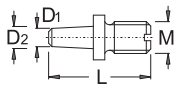
	L	A	B				
624914	243	13	29	426	4B	1	241.15

1640.1/4

Pin pentru cleste de inlocuire lant

- *material: otel de scule calit si revenit*
- *acoperire prin brunare conform DIN 50938*
- *capetele clestelui tratate prin inductie*





UNIOR

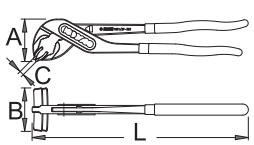
	D1	D2	M	L				
605956	2.8	3.8	M 5	16	7	4E	1	15.54

1601/2DP-US

Scula pentru demontarea cauciucului

- *material:crome vanadium*
- *tratat complet*
- *finisare:cromat in conformitate cu standardul EN12540*
- *manere din doua straturi de plastic*
- *clestele pentru demontarea cauciucurilor este destinat pentru o rapida demontare a cauciucului-in mod special cauciucurile care sunt deja lipite de janta. Folosind clestele,vom comprima cauciucul si acesta se va desprinde de geanta. Cu o asemenea strangere este asigurata schimbarea rapida a cauciucului. Forma bine gandita a clestilor asigura separarea cauciucului de geanta si nu vom ciupi camera la schimbarea cauciucului. Clestii sunt cromati si placati cu plastic pentru o strangere mai confortabila.*





UNIOR

	L	A	B	C				
624948	300	61	64	7	588	4B	10	291.48

1642.1/2P-US

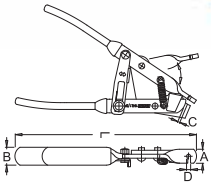
Cleste pentru cablu cu sistem de siguranta

- *Material: Otel Carbon de scule calit si revenit*
- *acoperire cromare in conformitate cu EN12540*
- *Manere din doua straturi de plastic*

Cum sa utilizati scula:

- *functionarea acestuia consta in tensionarea cablului de frana si a schimbatorului de viteze. Este utilizat pentru pentru pozitionarea si intinderea cablului in locasul acestuia. Partea de siguranta a clestelui este activata cu o clapeta. Cablul se fixeaza pe cleste. Blocarea se realizeaza automatic prin inchiderea manerelor .Siguranta suplimentara asigura o utilizare rapida si usoara.*





UNIOR

	L	A	B	C	D				
624917	185	14	18	2,3	4	246	4B	1	202.46

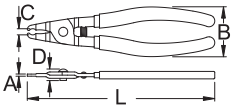


1720/4DP

Cleste pentru lant Master LINK

- *material: otel*
- *finisare:cromat in conformitate cu standardul EN12540*
- *scula poate fi folosita in egala masura de mecanicii profesionisti si de cei amatori*
- *clestii de lanturi Master Link sunt pentru cei care au lanturi Master Link dotate cu un sistem de prindere sau dezasamblare rapida manuala. Dupa folosirea lantului, noroiul si rugina fac imposibila desfacerea lantului cu mana. In aceste cazuri se folosesc clestii UNIOR 1720/2DP Maste LINK*







UNIOR

	L	A	B	C	D				
629366	177	2	45	21	11	86	4B	1	87.21

536/1PR NOU

Cleste inel de siguranta intern, varfuri drepte

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *manere duble de plastic*
- *in concordanta cu standardul DIN 5254 forma C*

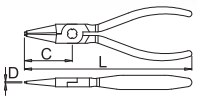
Avantaje:

- *rezistenta cu 30 % mai mare in comparatie cu clesti inel de siguranta obisnuiti*
- *cu varfuri inserate*
- *pentru diametre intre 8 si 100mm*

Utilizare:

- *pentru montarea inelelor elastice pe gaurile tevilor*





UNIOR

	L		D	C				
629767	140	12 - 25	1.3	40	102	4B	10	93.11
629768	180	19 - 60	1.8	52	178	4B	10	95.74

538/1PR NOU

Cleste inel de siguranta, intern, varfuri indoite

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *manere duble de plastic*
- *in concordanta cu standardul DIN 5254 forma D*

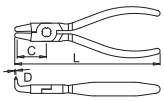
Avantaje:

- *rezistenta cu 30 % mai mare in comparatie cu clesti inel de siguranta obisnuiti*
- *pentru diametre intre 8 si 100mm*
- *cu varfuri inserate*

Utilizare:

- *pentru montarea inelelor elastice pe gaurile tevilor*





UNIOR

			L	D	C				
629769	140	12-25	128	1.3	28	114	4B	10	97.05
629770	180	19-60	166	1.8	38	194	4B	10	108.20

539/1PRC NOU

Set clesti inel de siguranta in husa



UNIOR

629819	4	650	1T	1	420.16

538/1PR (140x12 - 25, 180x19 - 60)
536/1PR (140x12 - 25, 180x19 - 60)

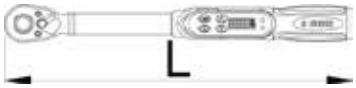
266B

Cheie dinamometrica cu afisaj electronic

1/2"

- *chei dinamometrice special concepute pentru servisarea bicicletelor*
- *maner anti-alunecare*
- *avertizare la atingerea cuplului: sonor + 2 LED-uri*
- *mod de functionare: peak hold / track*
- *unitati de masura: N-m, in-lb, ft-lb, kg-cm*
- *numar dinti clichet: 60*
- *baterie: 1 × AAA (nu sunt incluse), compatibil cu baterie reincarcabila*
- *garantie: 10.000 cicluri / un an*
- *oprirea automata dupa 5 minute*





627784	1/4"	1.0 - 20	207	1S	1	1702.19

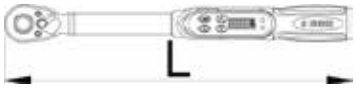
266B

Cheie dinamometrica cu afisaj electronic

1/2"

- *chei dinamometrice special concepute pentru servisarea bicicletelor*
- *maner anti-alunecare*
- *avertizare la atingerea cuplului: sonor + 2 LED-uri*
- *mod de functionare: peak hold / track*
- *unitati de masura: N-m, in-lb, ft-lb, kg-cm*
- *numar dinti clichet: 60*
- *baterie: 1 × AAA (nu sunt incluse), compatibil cu baterie reincarcabila*
- *garantie: 10.000 cicluri / un an*
- *oprirea automata dupa 5 minute*





627785	1/2"	4.2 - 85	290	1S	1	1702.19



1671.8/2BI-US

Cheie pentru boltul de plastic Shimano

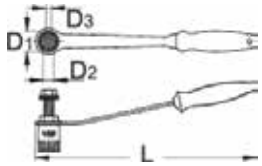
- *maner ergonomic rezistent bimaterial*
- *Este formata din cheie art. 1671.1, surub cu piulita si maner*
- *Surubul cu doua filete permite utilizarea sculei atat pentru ax pedalier standard de*

Shimano cat si pentru ax pedalier de la Shimano Octalink si Truvativ

Cum sa utilizati scula:

- *acesta scula ne permite fixarea in cheia in ax cu un surub suplimentar, care vine cu scula. Acest lucru previne alunecarea cheii si deteriorarea piulitei.*
- *munca se face usor datorita manerului lung de 350 mm, din doua componente cu forma ergonomica.*
- *acelasi procedeu poate fi folosit pentru instalare.*
- *surubul este de 24 mm AF si este actionat cu o cheie de 24 mm, pentru verificarea cuplului se utilizeaza o cheie dinamometria.*
- *manerul poate fi detasat, daca este necesar.*





624919	500	279.34

1609/2HOBBY-US

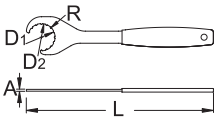
Cheie fixa pentru pedalier

- *material: otel de scule calit si revenit*
- *acoperire cromare in conformitate cu EN12540*
- *scula este potrivita de asemenea pentru piulitele cu 16 crestaturi ale discului de frana*

Cum sa utilizati scula:

- *cheia fixa pentru pedalier este folosita pentru a monta sau demonta atat pedaliere Shimano, Hollowtech II, Campagnolo® Ultra-Torque and Power Torque, Race Face®, FSA®, SRAM®, Truvativ®, Chris King®, cat si alte modele.Cheia 1609/2HOBBY se potriveste de asemenea pentru piulita discului extern.*





624935	21.35	22.5	310	3	1.5	270	4B	1	63.77

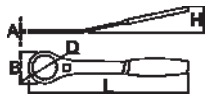
1671.9/2DP

NOU

Cheie inelara pentru pedalier

- *cheia pentru ax pedalier este utilizata pentru a instala sau indeparta cupele externe Praxis Works M30 pentru pedalier si toate celelalte suporturi inferioare cu diametrul crestaturii de aproximativ 46,3. Patratul de 1/2" de pe corpul sculei permite utilizarea cheii dinamometrice.*
- *material: premium flex plus oțel carbon*
- *finisaj suprafete: cromat conform ISO 1456:2009*
- *maner ergonomic cu doua componente pentru sarcini grele*
- *inlocuitor pentru cheia Praxis Works TP-0330*





629501	323	52	4	65	79.7	300	4B	1	139.51

1672/2

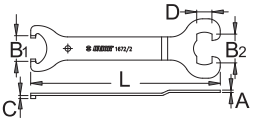
Scula pentru ghidarea lagarelor, pentru modelele mai vechi

- *material: otel de scule calit si revenit*

Cum sa utilizati scula:

- *scula este folosita pentru demontarea si montarea lagarelor la modelele mai vechi de biciclete*
- *cheia este perfect adaptata mainii pentru actionare in locuri stramte si locasuri mici asigurand o instalare usoara a ghidajelor pentru modelele mai vechi de biciclete*
- *lungimea cheii este de 204 mm*





618414	204	27.3	31	2.5	3	16.5	113	49.28

1671.2/4

Scula pentru ax pedalier nr. 3 si 4 cu 8 crestaturi

- *material: otel de scule calit si revenit*
- *pentru Shimano ®, XTR BB-950, Bontrager ®, si TruVativ ® (ISIS Drive® tip)*



616069	4B	10	211	163.38

1609/2BI-US

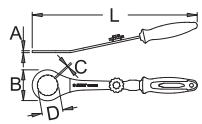
Scula ansamblu ax pedala

- *material: otel de scule calit si revenit*
- *acoperire cromare in conformitate cu EN12540*
- *maner ergonomic rezistent bimaterial*

Cum sa utilizati scula:

- *acesta cheie este destinata pentru inlocuirea si remontarea piulitelor canelate pentru Shimano ® XTR - FC - M960, XT FC-M 760, SAINT FC -M 800, RACE FACE ® X-TYPE, FSA ® MEGAE X, Truativ ® Giga X- Pipe fara alunecari sau deformari. Cheia are si o alta caracteristica, desfacerea pinului de plastic al piulitei canelate de la ax pedala.*







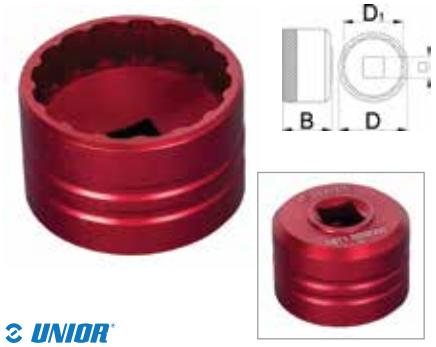
UNIOR

	L	A	B	C	D				
624903	350	4	66	2,8	42,7	316	4B	10	**162.46**

1671.BB9000

Cheie tubulara pentru ax pedalier

- *toate modelele de chei pentru ax pedalier sunt prelucrate CNC de precizie pentru instalarea si indepartarea diferitelor piulite canelate ale axului pedalier*
- *acestea sunt fabricate din aluminiu anodizat pentru un finisaj durabil ai o potrivire precisa, care nu va deteriora piulitele din aluminiu ale axului pedalier*
- *laturile cheii creeaza o aderenta mai buna atunci cand actionati piulitele cu mana, intre timp actionarea patrata de 1/2" faciliteaza utilizarea cu chei dinamometrice, antrenoare cu clichet si manere fixe*



UNIOR

	D	D1	B	■	360°/n				
627619	45	39.4	31	1/2"	16	80	4B	10	**213.36**

1671.BBR60

Cheie tubulara pentru ax pedalier

- *toate modelele de chei pentru ax pedalier sunt prelucrate CNC de precizie pentru instalarea si indepartarea diferitelor piulite canelate ale axului pedalier*
- *acestea sunt fabricate din aluminiu anodizat pentru un finisaj durabil ai o potrivire precisa, care nu va deteriora piulitele din aluminiu ale axului pedalier*
- *laturile cheii creeaza o aderenta mai buna atunci cand actionati piulitele cu mana, intre timp actionarea patrata de 1/2" faciliteaza utilizarea cu chei dinamometrice, antrenoare cu clichet si manere fixe*



UNIOR

	D	D1	B	■	360°/n				
627620	47	39	31	1/2"	16	88	4B	10	**213.36**

1671.BSA30

Cheie tubulara pentru ax pedalier

- *toate modelele de chei pentru ax pedalier sunt prelucrate CNC de precizie pentru instalarea si indepartarea diferitelor piulite canelate ale axului pedalier*
- *acestea sunt fabricate din aluminiu anodizat pentru un finisaj durabil ai o potrivire precisa, care nu va deteriora piulitele din aluminiu ale axului pedalier*
- *laturile cheii creeaza o aderenta mai buna atunci cand actionati piulitele cu mana, intre timp actionarea patrata de 1/2" faciliteaza utilizarea cu chei dinamometrice, antrenoare cu clichet si manere fixe*



UNIOR

	D	D1	B	■	360°/n				
627621	53	44.2	31	1/2"	12	117	4B	10	**213.36**

1671.MEvo

Cheie tubulara pentru ax pedalier

- *toate modelele de chei pentru ax pedalier sunt prelucrate CNC de precizie pentru instalarea si indepartarea diferitelor piulite canelate ale axului pedalier*
- *acestea sunt fabricate din aluminiu anodizat pentru un finisaj durabil ai o potrivire precisa, care nu va deteriora piulitele din aluminiu ale axului pedalier*
- *laturile cheii creeaza o aderenta mai buna atunci cand actionati piulitele cu mana, intre timp actionarea patrata de 1/2" faciliteaza utilizarea cu chei dinamometrice, antrenoare cu clichet si manere fixe*



UNIOR

	D	D1	B	■	360°/n				
627622	52	46.4	31	1/2"	16	133	4B	10	**213.36**

1671.16N

Cheie tubulara pentru ax pedalier

- *toate modelele de chei pentru ax pedalier sunt prelucrate CNC de precizie pentru instalarea si indepartarea diferitelor piulite canelate ale axului pedalier*
- *acestea sunt fabricate din aluminiu anodizat pentru un finisaj durabil ai o potrivire precisa, care nu va deteriora piulitele din aluminiu ale axului pedalier*
- *laturile cheii creeaza o aderenta mai buna atunci cand actionati piulitele cu mana, intre timp actionarea patrata de 1/2" faciliteaza utilizarea cu chei dinamometrice, antrenoare cu clichet si manere fixe*



UNIOR

	D	D1	B	■	360°/n				
627623	53	42.7	31	1/2"	12	114	4B	10	**213.36**

Ax pedalier		Unior tool					
Producator	**Model**	**1671.BSA30**	**1671.BBR60**	**1671.BB9000**	**1671.MEvo**	**1671.16N**	**1671.T47**
Campagnolo	Pentru toate modelele					x	
Chris King	Pentru toate modelele					x	
Chris King	Filet T47 30I & 24I						x
Chris King	Filet T47 30X & 24X						x
Enduro	T47 cu OD 52.2 mm						x
Enduro	TorqueTite PF30 cu OD 52.2 mm						x
FSA	MegaEvo				x		
FSA	MegaExo					x	
Praxis	T47*						x
Race Face	Cinch	x					
Race Face	X-Type					x	
Rotor	BSA30						
Shimano	BBR60		x				
Shimano	Dura-Ace 9000			x			
Shimano	Hollowtech II					x	
Shimano	MT60		x				
Shimano	XTR BB93			x			
SRAM	DUB T47						x
SRAM	DUB	x					
SRAM/Truvativ	GXP					x	
Zipp	Vuma	x					
Hawk Racing	BB3086	x					
Wheels Mfg	PF30				x		
Wheels Mfg	T47						x



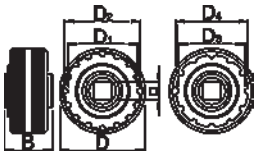
1671.T47

Cheie dubla pentru ax pedalier

• toate modelele de chei pentru ax pedalier sunt prelucrate CNC de precizie pentru instalarea si indepartarea diferitelor piulite canelate ale axului pedalier
• acestea sunt fabricate din aluminiu anodizat pentru un finisaj durabil ai o potrivire precisa, care nu va deteriora piulitele din aluminiu ale axului pedalier
• laturile cheii creeaza o aderenta mai buna atunci cand actionati piulitele cu mana, intre timp actionarea patrata de 1/2" faciliteaza utilizarea cu chei dinamometrice, antrenoare cu clichet si manere fixe
• tubulara pentru ax pedalier T47 cu doua parti de 16 si 12 colturi cu adaptor schimbabil pentru a acoperi toate standardele diferite ale axului pedalier T47







UNIOR

	D	D1	D2	D3	D4	B	■	360°/n	360°/n				
628495	60	49	54	46.6	51	31	1/2"	16	12	106	4B	10	**447.38**

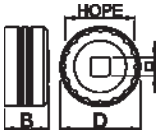


1671.HP NOU

Cheie tubulara pentru ax pedalier

• toate modelele de chei pentru ax pedalier sunt prelucrate CNC de precizie pentru instalarea si indepartarea diferitelor piulite canelate ale axului pedalier
• acestea sunt fabricate din aluminiu anodizat pentru un finisaj durabil ai o potrivire precisa, care nu va deteriora piulitele din aluminiu ale axului pedalier
• laturile cheii creeaza o aderenta mai buna atunci cand actionati piulitele cu mana, intre timp actionarea patrata de 1/2" faciliteaza utilizarea cu chei dinamometrice, antrenoare cu clichet si manere fixe







UNIOR

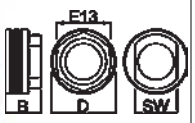
	D	D1	B	■	360°/n				
629359	55	-	31	1/2"	-	127	4B	10	**245.74**

1671.E13 NOU

Cheie tubulara pentru ax pedalier

• toate modelele de chei pentru ax pedalier sunt prelucrate CNC de precizie pentru instalarea si indepartarea diferitelor piulite canelate ale axului pedalier
• acestea sunt fabricate din aluminiu anodizat pentru un finisaj durabil ai o potrivire precisa, care nu va deteriora piulitele din aluminiu ale axului pedalier
• laturile cheii creeaza o aderenta mai buna atunci cand actionati piulitele cu mana, intre timp actionarea patrata de 1/2" faciliteaza utilizarea cu chei dinamometrice, antrenoare cu clichet si manere fixe







UNIOR

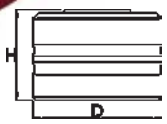
	D	SW	B	■	360°/n				
629358	54.5	36	30	-	-	77	4B	10	**245.74**

1783 NOU

Cheie tubulara pentru suspensie 1/2"

• fabricat din aluminiu, prelucrat CNC și anodizat roșu.
• design cu soclu fără teșitură pentru o potrivire îmbunătățită, datorită profilului inferior al capacului superior.
• design cu soclu scurt pentru a reduce desprinderea soclurilor de pe capacele superioare în timpul strângerii.
• acționarea pătrată de 1/2˝ facilitează utilizarea cu chei dinamometrice, clichete și mânere fixe, cum ar fi mânerul nostru cu soclu Pro.





UNIOR

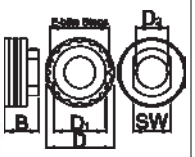
	⬡	Ø	L				
629822	23	32	30	37	4A	10	**185.90**
629823	24	33	30	39	4A	10	**185.90**
629824	26	35	30	44	4A	10	**185.90**
629825	27	36	30	47	4A	10	**185.90**
629826	28	38	30	54	4A	10	**185.90**
629827	30	40	30	57	4A	10	**185.90**
629828	32	43	30	57	4A	10	**185.90**

1724.SSL NOU

Cheie blocare inel Shimano STEPS

• functioneaza cu capete de antrenare Shimano Steps E6100, E7000, E8000, E9000, EP8.
• inlocuitor pentru Shimano TL-FC39.
• fabricat din aluminiu, prelucrat CNC, anodizat rosu.
• fiind compatibil cu cheie Crowfoot 1725/CF si cheia dinamometrica de 1/2 inch, este proiectat sa functioneze conform specificațiilor Shimano.







UNIOR

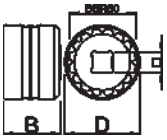
	B	D	SW	D1	D2				
626644	30	59	32	45	25	93	4B	10	**249.18**

1724.FR60 NOU

Cheie blocare inel Fazua Ride 60

• proiectat pentru unitatile Fazua Ride 60.
• fabricat din aluminiu durabil prin prelucrare CNC.
• finisaj anodizat rosu pentru o identificare rapida
• unitatea patrata de 1/2˝ o face usor de utilizat cu cheile dinamometrice, clichetele si manerele fixe, cum ar fi manerul nostru cu priza Pro







UNIOR

	D	SW	B	■	360°/n				
629538	54.5	36	30	-	-	77	4B	10	**235.25**



1723.SDL NOU

Cheie pentru inel de blocare Shimano Direct Mount

- *compatibila cu toate bratele pedalier Shimano cu prindere Direct Mount din seriile M9100, M8100, M7100 si M6100*
- *inlocuieste unealta Shimano TL-FC41*
- *fabricata din aluminiu, prelucrata CNC, anodizata rosu*
- *compatibila cu cheile noastre tip crowfoot 1725/CF si cheile dinamometrice cu patrat de 1/2"*
- *proiectata pentru a functiona conform specificatiilor Shimano, asigurand o instalare si demontare corecta*



UNIOR

	B	D	SW	D1	D2		
626643	30	46	32	45	25	58	205.25

1625/2BB90

Scula pentru inlocuirea axului pedalier BB90

- *scula este destinata inlocuirii axului pedalier nefiletat cu rulment si bucsa de la sistemul BB90.Suporta si alte sisteme de presare standard cu arbore de 24 mm cum ar fi BB86, BB92, SRAM Press Fit GXP*
- *scula va impinge afara rulmentul si bucsa din cadru*
- *se introduce cu atentie capul de ghidare al sculei prin bucsa axului pedalier (marcata cu verde)*



UNIOR

	A	B	D	D1					
623085	55	54	26.6	24.5	13	318	1G	1	263.55

1625.4/2 NOU

Extractor BB30 pentru 1625/2



UNIOR

629236	24	4B	1	38.36

1625.3/2 NOU

Extractor DUB pentru 1625/2



UNIOR

629235	22	4B	1	37.21

1625.2/2BB90 NOU

Inel din plastic pentru 1625/2BB90



UNIOR

627229	2	4B	1	16.72

1625.1/2BB90 NOU

Cap de ghidare pentru 1625/2BB90



UNIOR

	mm				
627231	22	33	4B	1	46.56
627230	24	34	4B	1	46.56

1625.2/2 NOU

Inel din plastic pentru 1625/2 - BB30



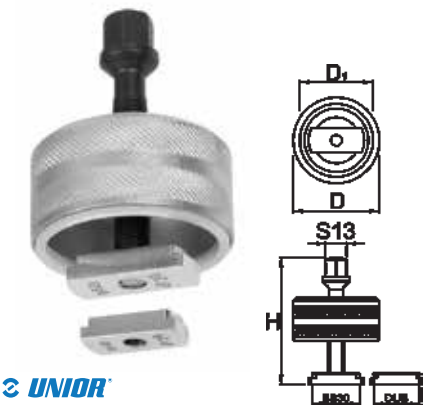
UNIOR

627228	2	4B	1	16.72

1625/2

Scula brat inferior pentru BB30

- *aceasta scula este construita pentru a monta/demonta rulmentii bratelor inferioare nefiletati ai sistemelor de brate inferioare BB30.*
- *scula va muta rulmentii din carcasa bratelor inferioare BB30*



UNIOR

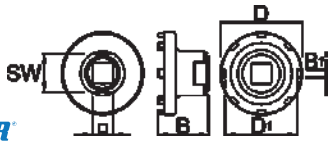
	H	D	D1					
626282	80	55	46	13	345	1G	1	270.49

1726.BL2 NOU

Cheie pentru inel de blocare Bosch Gen 2

- *proiectata pentru montarea si demontarea inelelor de blocare ale angrenajului pe motoarele Bosch® Gen 2 pentru biciclete electrice*
- *prelucrata cu precizie CNC din otel carbon premium flex plus, pentru durabilitate si performanta superioara*
- *prindere integrata de 1/2" – compatibila cu clichetul, manerul fix si cheile dinamometrice din gama noastra*
- *compatibila cu sistemele Bosch Active Line, Performance Line si Performance Line CX (incepand cu anul de fabricatie 2014), cu diametru exterior de 50 mm al inelului de blocare*
- *poate fi folosita ca inlocuitor fiabil pentru unealta Bosch® cod 0275009003*





UNIOR

	SW	□	D	D1	B	B1		
629466	24	1/2"	50.8	46.4	32	4.7	151	148.69

1613/2CF

Cheie de pedala Crowfoot

- *Crowfoot este compatibil cu cheile dinamometrice de 1/2" si este folosit pentru a verifica daca pedalele sunt stranse pentru a corecta specificatiile*
- *cand este utilizat cu clichet de 1/2" sau maner fix, poate fi folosit si ca cheie de pedala obisnuita*
- *decupat cu laser din otel pentru scule si tratat termic pentru rezistenta si durabilitate*



UNIOR

629071	15	57	50.47

1671.1/4

Scula pentru ax pedalier

- *material: otel de scule calit si revenit*
- *pentru: ShimanoZ, ISIS*

Utilizare:

- *Folositi scula de pinioane impreuna cu antrenorul de 1/2" art.190.1A BI.*



UNIOR

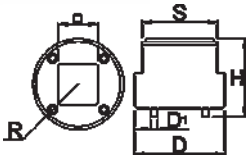
616068	4B	10	10	98.49

1609.2DUB/5 NOU

Scula capac brat pedalier Sram DUB

• *proiectata pentru montarea si demontarea capacelor autocuratare de pe bratele pedalier Sram DUB*
• *compatibila cu toate modelele de brate pedalier Sram DUB*
• *prelucrata cu precizie CNC din otel carbon premium flex plus, pentru durabilitate si performanta superioara*
• *prindere integrata de 1/2" – compatibila cu clichetul, manerul fix si cheile dinamometrice din gama noastra*
• *suprafetele plate de pe diametrul exterior permit fixarea in menghina sau utilizarea cu o cheie deschisa de 24 mm*





	D	D1	H	D1	H	■		
629619	29	2,5	26	2,5	26	1/2"	81	103.93

1609.1

Cheie pentru boltul de plastic Shimano

• *este utilizata pentru montarea si demontarea suruburilor din plastic Shimano, folosite la seturile de angrenaj Hollowtech II*



627017	6	10.00

1609.1/2

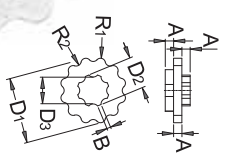
Cheie pentru boltul de plastic Shimano

• *magnetul puternic de pe spatele cheii ii permite sa fie asezat in locul dorit.*
• *scula poate di folosita manual sau folosind o cheie cu deschiderea de 13 mm*

Cum sa utilizati scula:

• *scula este destinata schimbarii si instalarii boltului de plastic pentru Shimano care este folosit in axul Hollowtech II*





	A	B	D1	D2	D3	R1	R1		
623120	4	1,85	32	15,4	13	2,3	2,5	33	74.69

1695MB1-US

Kit de restaurare filet

• *kit pentru repararea prin insertie a filetelor de montaj pentru pedala*
• *nu mai sunt probleme cu filetele deteriorate din manivela pedalei. Cu ajutorul acestui Kit de restaurare poti repara filetele stricate de la manivelele de pedale al dumneavoastra.*
• *prima data folositi alezorul de curatare apoi creati cu tarodul un filet majorat de 5/8"x24TPI in bratele pedalierului.*
• *in final restaurati filetul original prin insertare.*

Kitul include:

• *tarod si alezor dreapta / stanga 5/8"x24TPI*
• *10 insertii filetate pentru manivela stanga a pedalierului*
• *10 insertii filetate pentru manivela dreapta a pedalierului.*
• *kit-ul este pus intr-o cutie metalica avand in interior suport SOS de spuma poliuretanica cu locase pentru fiecare piesa*



626980	5	1305.90

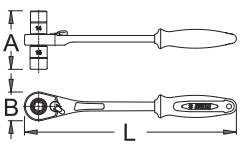
1695/4BI, **1695.1AL** 5/8" x 24 TPI, **1695.1AR** 5/8" x 24 TPI
1695.4A 5/8L x 24, **1695.3A** 5/8 x 24, **981K 3/8"** (321 x 198 x 54)

1621/1BI-US

Antrenor pentru montarea piulitelor pedalier

• *material:compozitie speciala pentru calire revenire*
• *maner ergonomic rezistent bimaterial*
• *75 de dinti*
• *capete chei tubulare interschimbabile:14 mm si 15 mm*
• *antrenorul pentru piulite este destinat pentru reglarea si slabirea piulitelor de 14 mm si 15 mm. Este folosit in mod particular pentru montarea si demontarea butucilor. Forma acestuia previne caderea capului cheie tubulara*
• *forma antrenorului pentru piulite pedala asigura lucrul in locuri dificile si imbunatateste accesibilitatea la butuci. Noua forma asigura un moment marit, reduce efortul fizic si asigura o viata indelungata sculei. Momentul maxim este asigurat de forma manerului. O asezare perfecta in mana il face confortabil in timpul lucrului.*





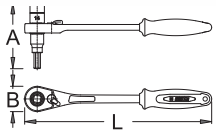
		L	A	B		
624942	14 x 15	260	71	35	380	285.90

1621/1ABI-US

Antrenor pentru montarea piulitelor pedalier cu cap tubular 14 mm si cap locas hexagonal 8 mm

• *material:compozitie speciala pentru calire revenire*
• *75 de dinti*
• *maner ergonomic rezistent bimaterial*
• *capete interschimbabile hexagon 8 mm si cap cheie tubulare de 14 mm*
• *este utilizat in mod special pentru montarea si demontarea pedalierului.*





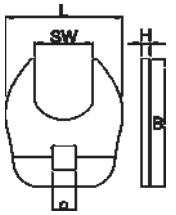
			L	A	B		
624943	14	8	260	91	35	381	285.90

1725/2CF NOU

Cheie fixa tip Crowfoot

• *dimensiunea 32 este compatibila cu suprafetele plate ale uneltelor 1724.SSL si 1723.SDM, pentru strangerea componentelor la cuplul corect*
• *dimensiunea 36 este compatibila cu suprafetele plate ale uneltei 1671.E13, pentru strangerea componentelor conform specificatiilor de cuplu*
• *pentru o citire corecta a cuplului, deschiderea cheii crowfoot trebuie aliniata perpendicular pe cheia dinamometrica.*





	SW	L	H	B	■		
626645	32	65	5	71,5	1/2"	112	31.48
629360	36	69	5	75,8	1/2"	121	36.89

1661.3/4DP-US

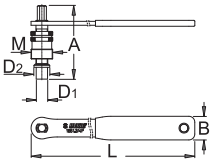
Scula pentru ax pedalier

• *material: otel de scule calit si revenit*
• *pentru: ShimanoZ, ISIS*

Utilizare:

• *Folositi scula de pinioane impreuna cu antrenorul de 1/2" art.190.1A BI.*





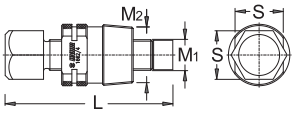
	D1	D2	M	A	B	L		
624918	11,5	16	M22 x 1	75	24	215	10	142.13

1662/4

Extractor filetat

• *Material: otel de scule calit si revenit*
• *Extractorul filetat este utilizat pentru schimbarea arborelui pedalier cu deformarea filetului interior cand acesta nu poate fi schimbat cu un extractor normal*





UNIOR

	M1	M2	S		
619707	12 x 1	22 x 1	126	126	94.01



1661/4

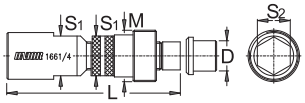
Extractor ax pedala

• *material: otel de scule calit si revenit*
• *tratament termic complet*
• *acoperire prin brunare*

Cum sa utilizati scula:

• *scula este destinata pentru inlocuirea pinioanelor de lant si piulitelor de 14 mm.Scula este destinata pentru inlocuirea pinioanelor de lant .Cu adaptor suplimentar al sculei pentru alt standard ca ISIS si Octalink acestea pot fi inlocuite la fel de bine.*





UNIOR

	S1	S2	M	L	D		
615529	16,9	14	22 x 1	74,5	13	139	123.90



1626A

Setul complet Campagnolo Power si Ultra Torque de asemenea si pentru Fulcrum Ultra Torque

• *setul complet include brat si rulment de schimb si scula pentru montare pentru Campagnolo® si Fulcrum® Ultra Torque cranksets cat si pentru Campagnolo® Power Torque system*



UNIOR

623207	570	526.33



1668/2

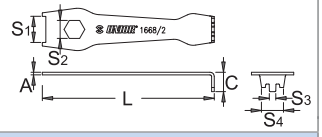
Cheie pentru piulitele frontale ale pinionului de lant

• *material: otel de scule calit si revenit*
• *acoperire cromare in conformitate cu EN12540*
• *dimensiunea cheii locas hexagonal are deschiderea de SW10.Este utilizata pentru insurubarea si desurubarea piulitelor de aceasta dimensiune, in acelasi timp poate fi folosita la agatarea cheii*

Cum sa utilizati scula:

• *cheia este utilizata pentru desurubarea si strangere piulitelor de la pinionul de lant. Strangerea incepe cu partea larga a cheii, iar cand piulita este suficient de stransa se finalizeaza cu partea stramta care este indoita pentru a realiza o mai mare forta la finalizarea strangerii. La desurubarea piulitei cheia este folosita in ordine inversa.*





UNIOR

	S1	S2	S3	S4	L	A	C	
618415	14,8	10,2	3,6	12,5	98	1,5	11	20.37

1613/2BI-US

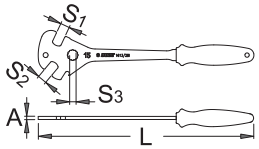
Cheie de pedala, profi

• *Material: otel de scule calit si revenit*
• *acoperire cromare in conformitate cu EN12540*
• *tratament termic complet*
• *maner ergonomic rezistent bimaterial*

Cum sa utilizati scula:

• *cheia profesionala pentru pedala are trei deschideri de 15 mm orientate sub diferite unghiuri astfel incat utilizatorul poate realiza precizie si eficienta in inlocuirea pedalei indiferent de pozitia axului pedalei.Designul si acoperirea cheii dau durabilitate, forta si precizie in utilizare.Un maner lung permite o parghie pentru inlocuirea chiar si a pedalelor foarte compacte. De asemenea incorporat in aceasta cheie este un desfacator de sticla*





UNIOR

	S	S2	S3	L	A		
624961	15	15	15	350	5	381	166.23

2650BI

Maner bimaterial actionare brat pedala bicicleta

• *scula utila in cazul verificarii functionarii corecte a schimbatorului de viteza mai ales atunci cand bicicleta este noua si nu are pedalele montate*
• *maner ergonomic bimaterial*
• *contine 2 adaptoare, unul cu filet pentru lucrul precis, si unul conic pentru verificare rapida*
• *dimensiune filet adaptor 9/16" x 20 tpi*



UNIOR

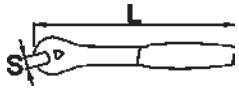
627766	149	166.72

1613/2DP

Cheie de pedala

• *taiata cu laser din acelasi otel de scule ca cheia pentru pedale Pro Shop, tratata termic pentru rezistenta si durabilitate. cheia pentru pedale are un maner dublu cu forma ergonomica pentru confort si suficienta parghie pentru a slabi strangerea la toate pedalele. Deschiderea de 15 mm este taiata cu laser cu precizie si unghi perfect pentru a va ajuta sa slabiti pedalele cat mai usor posibil.*
• *fabricata din otel de scule taiat cu laser*
• *tratata termic pentru rezistenta si performanta durabila*
• *maner ergonomic dublu pentru confort*
• *270 mm lungime pentru un plus de parghie*
• *greutate redusa, perfecta pentru trusa de scule si pentru calatorii*





UNIOR

	S	L	A		
628518	15	270	3	212	47.87

1610/2

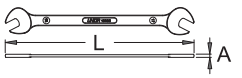
Cheie de pedala

- *material:crom vanadiu*
- *acoperire cromare in conformitate cu EN12540*
- *tratament termic complet*

Cum sa utilizati scula:

• cheia pentru pedala este utilizata pentru o montare si o demontare simpla si eficienta a pedalei. Forma lunga si zvelta precum si designul deschiderii o fac perfect adaptata pentru pedala. Viteza si siguranta in insurubarea si desurubarea pedalei in comparatie cu o cheie traditionala asigurand un lucru confortabil fara deteriorari. Cheia de pedala este disponibila in trei dimensiuni diferite:15 x 15 pentru pedale, in timp ce 15x17 si 15 x 9/16" pentru butucul rotii.





UNIOR

		L	A		
615011	15 x 15	340	22	269	61.48



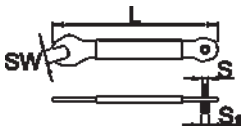


1620/2P NOU

Cheie de pedala 3 in 1

- *cap cheie fixa 15 mm, hex 8 mm si hex 6 mm*
- *fabricat din otel pentru scule taiat cu laser.*
- *tatat termic pentru rezistență și durabilitate.*
- *maner imbibat din plastic pentru confort.*
- *mic si usor, perfect pentru utilizare acasa sau in deplasare*





UNIOR

629470	160	87.54







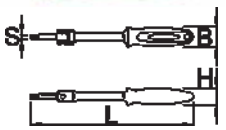
UNIOR® HAND TOOLS

1613S/1BI NOU

Cheie pentru pedala

• Speed Pedal Wrench, instrumentul suprem pentru indepartarea si instalarea fara efort a pedalei cu eficienta si confort maxim
• datorita unui maner pivotant, aceasta cheie permite o pozitionare versatila si o utilizare in diferite unghiuri. Cand trebuie sa aplicati o forta mai mare, poztionati-l pur si simplu la un unghi de 90° pentru un efect de pârghie imbunatatit. Pentru o rotire rapida si demontarea sau instalarea mai rapida a pedalei, pozitionati mânerul la 0° si rotiti cheia.
• fabricata din otel premium flex crom vanadiu, cheia cu pedala de viteza ofera durabilitate si rezistenta exceptionale. Corpul este forjat pentru a asigura robustetea si longevitatea, chiar si in cazul utilizarii intense. Echipata cu un maner ergonomic de rezistenta dubla, aceasta cheie ofera o prindere confortabila si sigura, minimizand oboseala mainii si maximizand controlul.
• cu Speed Pedal Wrench, indepărtarea sau instalarea pedalei este mai usoara ca niciodată. Disponibila in dimensiunile hexagonale 8 si 6, aceasta cheie acopera cele mai comune interfete de instalare a pedalelor hexagonale, asigurand compatibilitatea cu o gama larga de pedale.
• disponibil în două mărimi
• fabricat din oțel premium flex crom vanadiu.
• scade corpul cheii forjate.
• complet calit si revenit
• finisaj suprafețe: cromat conform standardului ISO 1456:2009
• maner ergonomic cu doua componente pentru sarcini grele
• realizat conform standardului ISO 3315





UNIOR

		L	B	H				
629453	6	233	28	24	190	4A	1	196.07
629454	8	233	28	24	200	4A	1	196.07









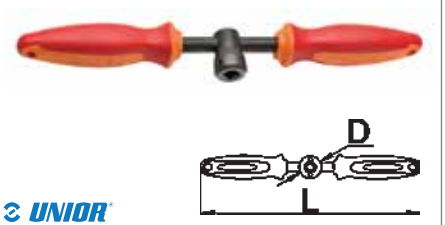




1695/4BI-US

Maner pentru scula de filetat pedala

- *Manerul filierei este folosit cu o singura filiera, spre exemplu filiera pentru bratul pedalei 1695.1AR.*
- *Manerele lungi asigura o utilizare precisa si usoara.*



UNIOR

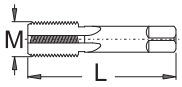
624963	515	4B	1	184.75

1695.1

Tarod pedala

- *Material: otel aliat*
- *Design precis, tratat,precum si forma art 1695.1 il fac util pentru taierea de filete noi inainte de introducerea bucsilor filetate 1695.3 sau 1695.4 si este disponibil in set (stanga si dreapta).Se foloseste in varianta de tarod unic conform variantei franceze.*





UNIOR

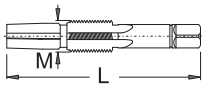
	M	L				
616080	9/16 x 20 TPI	60,5	79	1E	1	315.35

1695.2

Tarod pedala

- *Material: otel aliat*
- *Design precis, tratat,precum si forma art 1695.2 il fac util pentru taierea de filete noi inainte de introducerea bucsilor filetate 1695.3 sau 1695.4 si este disponibil in set (stanga si dreapta).Tarodul 1695.2 curata filetul vechi inainte de realizarea unui nou filet, nu mai este necesar un alt tarod si o alta trecere dupa.*





UNIOR

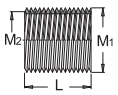
	M	L				
616081	16 x 1	90,5	140	1E	1	1022.77

1695.3

Set de 10 piese pentru corectarea filetului pedalei

- *material: otel aliat*
- *diametrul interior:M14 x 1,25*
- *diametrul exterior: M16 x 1*
- *setul de reparare este utilizat pentru inlocuirea filetelor deteriorate. Acesta este utilizat impreuna cu tarodul apropiat apropiat (art. 1695.2) si este disponibil in set de 10 piese.*





UNIOR

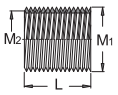
	M1	M2	L				
616082	M16x1	M14x1,25	13,2	45	1E	1	272.72

1695.4

Set de10 piese pentru corectarea filetului pedalei

- *material: otel aliat*
- *diametrul interior:M14 x 1,25*
- *diametrul exterior: M16 x 1*
- *setul de reparare este utilizat pentru inlocuirea filetelor deteriorate. Acesta este utilizat impreuna cu tarodul apropiat (art. 1695.2) si este disponibil in set de 10 piese.*





UNIOR

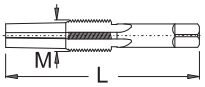
	M1	M2	L					
616083	M16Lx1	M14Lx1,25	13,2	42	1E	1	272.72

1695.1AL

Bucsa filetata pedala

- *Material: otel aliat*
- *Forma precisa, tratat termic si forma art.1965.1AL se foloseste pentru taierea filetelor pe stanga inainte de introducerea bucsii filetate 1695.3L.Filiera 1695.1AL inlatura vechiul filet inainte de taierea unuia nou, nu mai este necesara o alta operatie de filetare.*





UNIOR

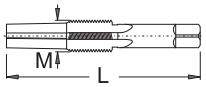
	M	L				
616554	5/8" x 24 TPI	85,5	81	1E	1	161.84

1695.1AR

Bucsa filetata pedala

- *material: otel aliat*
- *design si forma precisa a art 1965.1AR care este destinat taierii filetelor pe dreapta inainte de introducerea bucsii filetate pe dreapta 1695.3A.Tarodul 1695.1AR inlocuieste vechiul filet si realizeaza filetarea unuia nou, nefiind necesara o alta operatie.*





UNIOR

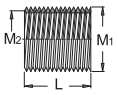
	M	L				
616553	5/8" x 24 TPI	85,5	80	1E	1	161.84

1695.3A

Set de 10 piese pentru corectarea filetului pedalei

- *material: otel aliat*
- *diametrul interior: 9/16 x 20 TPI*
- *diametrul exterior: 5/8 x 24 TPI*
- *setul de reparare a filetelor este utilizat pentru inlocuirea filetelor deteriorate.Acesta se utilizeaza impreuna cu tarodul apropiat (art. 1695.1AR) si este disponibil in set de 10 piese.*





UNIOR

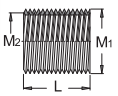
	M1	M2	L				
616551	5/8 x 24	9/16 x 20	16,3	49	1E	1	262.43

1695.4A

Set de 10 piese pentru corectarea filetului pedalei

- *material: otel aliat*
- *diametrul interior:9/16 x 20 TPI*
- *diametrul interior:9/16 x 20 TPI*
- *setul de reparatie filete este folosit la inlocuirea filetelor deteriorate.Sunt folosite impreuna cu tarodul apropiat (art. 1695.1AL) si este disponibil in set de 10 piese.*





UNIOR

	M1	M2	L				
616552	5/8Lx24	9/16L x 20	16,3	50	1E	1	262.43



2650.2/4 NOU

Cap conic din plastic pentru 2650BI



627825	14,5	-

2650.1/1 NOU

Cap conic din aluminiu pentru 2650BI



627824	32	-

1647HOBBY/4P-US

Dispozitiv pentru demontat lant

- *Merge pentru toate lanturile intre 5-11 viteze*
- *Manerul este acoperit cu plastic si permite o utilizare usoara.*

Cum sa utilizati scula:

- *Scula de insurubat cu lant este gandita penru utilizatorii casnici. O simpla strangere este suficienta. Designul ergonomic face scula precisa si usor de folosit*



	D	B	L	H		
624901	3,4	19,6	92	51	120	83.44

1647.1/4A

Bolt de schimb pentru scula pentru montare demontare lant, 2 buc pe set



	D1	D2	L			
621734	3,4	4	24	2	10	10.85

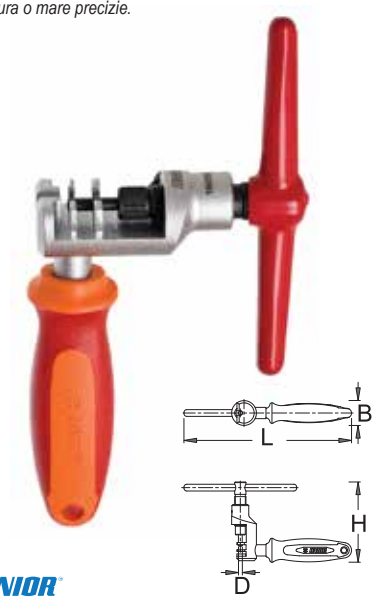
1647/2ABI-US

Dispozitiv pentru de montare/ demontare lant

- *material: otel de scule calit si revenit*
- *maner ergonomic rezistent bimaterial*
- *pentru Compagnolo, compatibila cu 11 viteze*

Cum sa utilizati scula:

- *dispozitivul este destinat atat profesionistilor cat si utilizatorilor amatori. Simpla reglare a axului pozitioneaza perfect boltul. Cu o forma ergonomica este usor de folosit si asigura o mare precizie.*

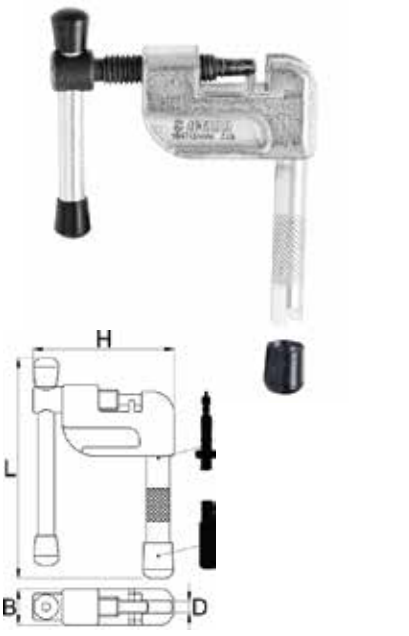


	D	B	L	H		
624900	3,4	22	150	72	175	232.79

1647/5MINI

Mini menghina de lant +

- *menghina noastra de lant MINI + este scula de lant ideala pentru a fi luata cu tine la drum cu bicicleta.*
- *indiferent de tipul de bicicleta pe care o folosesti,aceasta scula de lant poate acoperi orice nevoie de la 5 la 11 viteze si functioneaza ca cele din atelierele profesionale.*
- *in ciuda design-ului minimalist ea este mult mai mult.*



	D	B	L	H	
627100	6,8	11	67	43	92.95

1647/2BBI

Dispozitiv pentru demontat lant Master

- *cel mai avansat instrument pentru lant din gama UNIOR. Dispune de corp prelucrat si filete de ax realizate cu precizie pentru precizie si usurinta in utilizare Manerul mare ofera un plus de parghie si desface usor lantul. Instrumentul principal pentru lant are suport de lant flotant pentru pozitionarea perfecta si sprijin pentru orice lant. Functioneaza cu toate lanturile cu schimbator de viteze de la 6 la 12 viteze, este compatibil cu lantul SRAM AXS si functioneaza cu lanturi de viteza simple 1/8". De asemenea, pentru lanturi cu 11 si 12 trepte Campagnolo. Instrumentul include trei suporturi diferite de lant interschimbabile; preinstalat este un suport cu o singura legatura, sunt disponibile, de asemenea, un suport mai larg pentru lant dublu pentru o aderenta suplimentara pe lant si un suport dedicat pentru lant SRAM AXS. Compartimentul ascuns in corpul sculei are un stift de inlocuire suplimentar.*

Include:

- *suport lant de schimbator lung si scurt (compatibil cu lanturi de schimbator de 6-12 trepte)*
- *suport dedicat lantului SRAM AXS*
- *pin blocare lant Campagnolo*
- *stiftul lantului de schimb*

Compatibil cu:

- *toate lanturile schimbator de la 6-12 trepte*
- *lant plat SRAM AXS*
- *majoritatea lanturilor viteza simpla 1/8"*
- *indepartarea lantului Campagnolo cu 11 si 12 trepte*



	B	L	H		
628516	42	89.5	191.5	557	420.49

1647.6/4 NOU

Suport lant de schimb lung pentru 1647/2BBI, set 2 buc



629240	7	26.89

1647.4/5 NOU

Suport lant de schimb Sram Flat Top pentru 1647/2BBI, set 2 buc



UNIOR

629238	5	23.93

1647.5/4 NOU

Suport de lat de schimb scurt pentru 1647/2BBI, set 2 buc



UNIOR

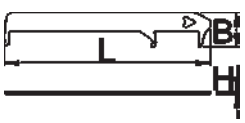
629239	5	23.93

1644/6 NOU

Verificator de profil lant

• instrumentul perfect pentru a menține sistemul de propulsie al bicicletei dvs. în stare optimă. Fabricat din oțel de precizie tăiat cu laser, acest indicator măsoară cu precizie uzura lanțului la niveluri în care producătorii de lanț sugerează de obicei înlocuirea lanțului (0,5% și 0,75%). Designul sculei în trei puncte izolează uzura bolțurilor de uzura rolelor, asigurând rezultate precise. Utilizați codul QR pentru a viziona videoclipul cu instrucțiuni. Funcționează pe toate lanțurile cu 6-13 viteze, inclusiv pe lanțurile SRAM flat top. Ca regulă generală, lanțurile cu 11-13 viteze trebuie înlocuite înainte sau la uzură de 0,5%, în timp ce lanțurile cu 6-10 viteze trebuie înlocuite înainte sau la uzură de 0,75%.
• este important să rămâneți pe partea superioară a uzurii lanțului, deoarece un lanț uzat poate provoca o schimbare slabă a vitezelor și poate uza alte componente ale transmisiei.
• fabricat din oțel de precizie tăiat cu laser.
• masoară exact uzura lanțului de 0,5% și 0,75% - niveluri de uzură în care producătorii de lanțuri sugerează cel mai frecvent înlocuirea lanțului.
• designul sculei în trei puncte izolează uzura știftului de uzura rolelor
• dispune de cod QR cu instrucțiuni de utilizare video
• funcționează pe toate lanțurile cu 6-13 viteze, inclusiv lanțurile Sram flat top.
• consultați instrucțiunile de înlocuire ale producătorului lanțului.
• regula generală pentru înlocuirea lanțului.
• lanțuri cu 11 – 13 viteze – înlocuiți înainte sau la uzură de 0,5%.
• lanțuri cu 6 – 10 viteze – înlocuiți înainte sau la 0,75% uzură





UNIOR

629344	178	2	29.4	45	71.48

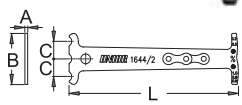
1644/4

Indicator de uzura lant

• fabricat din otel de precizie, taiat cu laser.

Cum se foloseste unealta:
• un lant uzat schimba greu si poate deteriora inutil pinioanele
• aceasta unealta este un sablon de tip go / no go, conceput pentru a indica cu precizie cand lantul este uzat si necesita inlocuire.
• masurare intre 0 si 0,6% - lantul nu este uzat
• masurare intre 0,7 si 1,2% - lantul este uzat si trebuie inlocuit





UNIOR

	L	A	B	C		
617171	122,5	2	37	12,7	40	45.64

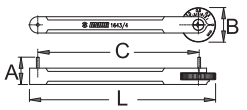
1643/4

Verificator de profil lant

Cum sa utilizati scula:

• pentru a usura cuplarea trenului de schimbare pinioane, majoritatea producatorilor recomanda inlocuirea lantului la sau inainte de 1 % alungire.Acum puteti simplu si precis sa determinati starea si alungirea oricarui lant
• in mod simplu introduceti verificatorul de bolt intre doua zale, apasati bratul de intindere si etalonare dupa care verificati pe fereastra de etalonare pentru acuratetea masuratorii.





UNIOR

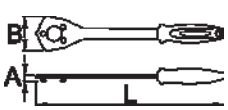
		L	B	A	C		
617170	0 - 1,2	137	25,5	20	137	168	171.08

1670/2BI-AXS-US NOU

Cheie demontare bloc pinioane

• inlocuirea modern a blocului de pinioane. stifturile de pe unealta se cupleaza cu cel mai mic pinion de 10T de pe bloc si il mentin in pozitie, in timp ce deschiderea din mijloc permite accesul usor la inelul de blocare
• material: otel carbon de scule calit si revenit
• acoperire cromare in conformitate cu ISO 1456: 2009
• maner ergonomic rezistent bimaterial
• compatibil numai cu blocurile Sram X-Range
• crestaturile din exteriorul stifturilor asigura o prindere sigura a blocului





UNIOR

	L	A	B		
629061	350	11	62.8	332	174.75



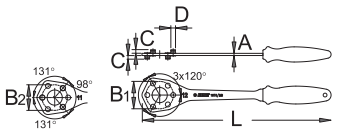
1670/2BI

Cheie demontare bloc pinioane

11x 12x

• Material: otel de scule calit si revenit
• acoperire cromare in conformitate cu EN12540
• maner ergonomic rezistent bimaterial
• Codul 622881 este folosit pentru roata libera cu 13 si 14 dinti
• Schimbatorul de pinioane este folosit pentru toate tipurile de pinioane de lant incluzand si cele tip casete.Este util pentru pinioane cu 11 si 12 dinti.





UNIOR

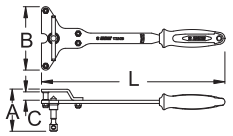
	L	D	A	C	B1	B2		
624931	350	8,6	4	6,4	49,8	46	238	223.28
624967	350	8,6	4	6,4	53,1	57,7	238	223.28

1722/2BI-US

Scula universala pentru demontarea pinioanelor cu butuc filetat

• inlocuirea pinioanelor pe un ax filetat poate lua mult timp. Articolul 1722/2BI este o unealta unica pentru a demonta diversele pinioane standard cu butuc filetat.
• Cu Unior 1722/2BI puteti prinde ferm intregul ansamblu pinion din doua parti, invarti fusul si fixa ferm. Fusul si bucsele laterale de pe unealta creeaza o prindere puternica. Invartind scula in sens invers acelor de ceasornic, puteti desuruba pinionul





UNIOR

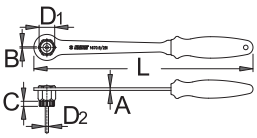
	L	A	B	C		
624937	350	88	121	16	760	409.84

1670.8/2BI-US

Cheie pentru pinioane roata spate cu maner

• cheia pentru pinion cu mâner este folosita pentru pinioane Shimano®, SRAM®, Sun Race®, Suntour® și alte casete de pinioane, precum cheia nr. 1670,7. Manerul fix permite o utilizare mai usoara, deoarece nu sunt necesare instrumente suplimentare pentru prinderea cheii. Mansonul din doua componente de pe maner se potriveste exact mainii si permite o prindere perfecta a cheii.





UNIOR

	L	B	A	C	D1	D2		
624932	337	1,5	4	7,9	23,6	5,0	340	163.61

1658/2P

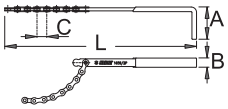
Indicator de pozitionare lant pe pinion

• material: otel de scule calit si revenit
• acoperire cromare in conformitate cu EN12540
• pentru HG si IG roti de lant

Cum sa utilizati scula:

• scula este utilizata pentru determinarea pozitionarii lantului pe pinioane.Poate fi utilizata pentru pinioane de la 12 la 21 de dinti.
• mod de utilizare: lantul este montat pe pinion si scula pozitionata cu partea din spate rotunda intre doi dinti pe partea de sus a pinionului.Ultima za a lantului este miscata pe pinion si o forta de 100 N sau 10 kg este aplicata pe scula in directia de rotire a lantului. In acest moment ultima za a lantului este miscata pe pinionul de lant. Daca zaua calca corect pe dintele rotii de lant inseamna ca roata de lant este in buna stare si va functiona bine si cu un lant nou. Totusi, daca lantul calca gresit pe dinte roata de lant este defecta si trbuie schimbata. De asemenea, cand lantul sare de pe roata repetat este nevoie de a inlocui roata de lant.





UNIOR

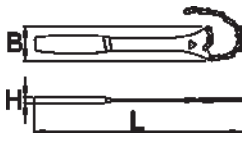
	L	B	A	C		
629230	250	12	42	1/2"	86	90.61

1660/2DP-US NOU

Indicator de pozitionare lant pe pinion viteze multiple

• datorita formei sale ergonomice si manerului lung dublu pentru efect de parghie, aceasta cheie cu lant va dezasambla casetele cu usurinta si fara alunecare. Fabricat din otel de scule taiat cu laser si tratat termic pentru rezistenta si performanta de durata. Instrumentul este proiectat sa functioneze cu casete cu mai multe viteze de la 6 la 12 viteze, inclusiv casete SRAM X-range.
• material: premium flex plus oțel carbon
• finisaj suprafețe: cromat conform ISO 1456:2009
• manere duble infundate din plastic
• magnetul tine lantul pe loc si usureaza depozitarea





UNIOR

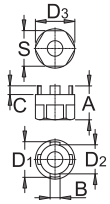
	L	H	B		
628904	323	9	62	266	192.13

1670.3/4

Cap pentru inlucuire pinioane Suntour

• Pentru: Suntour Z





UNIOR

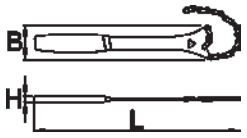
	A	B	C	D1	D2	D3	S	
616064	23	6,8	5,4	23,9	19,9	26,7	24	43.75

1659/2DP-US NOU

Indicator de pozitionare lant pe pinion o singura viteza

• datorita formei sale ergonomice și mânerului lung dublu inclinat pentru efect de parghie, aceasta cheie cu lant va dezasambla cu usurinta si fara alunecare pinioanele cu roti fixe de 1/8˝ si pinioanele casetei cu o singura viteza. Magnetul de la capatul lantului ajută la fixarea lantului de pinion si faciliteaza depozitarea. Corpul sculei dispune de o cheie cu inel de blocare pentru inelele de blocare ale pinionului cu angrenaje fixe. Fabricat din otel de scule taiat cu laser si tratat termic pentru rezistentași performanta de durata
• material: premium flex plus otel carbon
• finisaj suprafete: cromat conform ISO 1456:2009
• magnetul tine lantul pe loc si usurează depozitarea





UNIOR

	L	H	B		
628902	323	11	52.5	376	211.48





1670.1/4

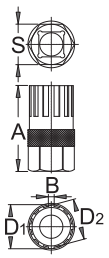
Cap pentru inlucuire pinioane Shimano

• Pentru: Shimano Z, SRAM Z si Sachs Aris Z, Sun Race Z

Cum sa utilizati scula:

• Folositi scula de pinioane impreuna cu antrenorul de 1/2" art.190.1A Bl.





UNIOR

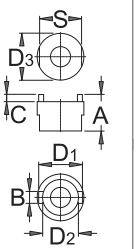
	A	B	D1	D2	S		
616062	44,7	3,0	22,72	21,24	21	57	59.64

1670.2/4

Cap pentru inlucuire pinioane Suntour

• Pentru: Suntour Z





UNIOR

	A	B	C	D1	D2	D3	S	
616063	19,9	6,5	3,9	23,9	19,6	25,5	23	41.79

1670.4/4

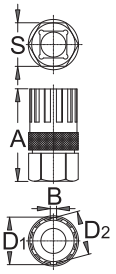
Schimbarea cuplajului torpedou Compagnolo®

• Scula de scoatere a cuplajului liber torpedou este folosita pentru schimbarea ansamblului la modelul Campagnolo® freewheels.

Cum sa utilizati scula:

• Folositi scula de pinioane impreuna cu antrenorul de 1/2" art.190.1A Bl.





UNIOR

	A	B	D1	D2	S	
616707	44,2	3,0	22,63	21,35	21	73.85

1670.5/4

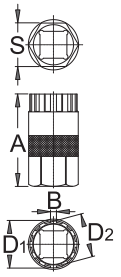
Cap pentru inlucuire pinioane Shimano

• ShimanoZ, SRAMZ, Sun TourZ, Chris KingZ si Sun RaceZ si altele.

Cum sa utilizati scula:

• Folositi scula de pinioane impreuna cu antrenorul de 1/2" art.190.1A Bl.





UNIOR

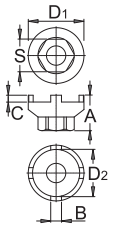
	A	B	D1	D2	S		
616065	45,4	2,1	23,40	21,20	21	66	51.94

1670.6/4

Cap pentru inlucuire pinioane pentru BMX

- *Scula pentru BMX*





UNIOR

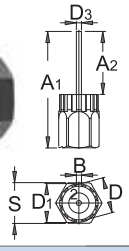
	A	B	C	D1	D2	S		
616066	25,4	7,8	5,0	40,9	35	24	84	75.11

1670.7/4

Cap pentru inlucuire pinioane cu ghidaj cu bolt

- *schimbator de pinioane cu ax de ghidare pentru ShimanoZ, SRAMZ Sun RaceZ, SuntourZ si altele.*





UNIOR

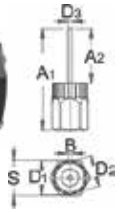
	A1	A2	B	D1	D2	D3	S	
616067	69,1	37,5	2,3	23,40	21,25	3,0	24	58.87

1670.9/4

Cap pentru inlucuire pinioane cu ghidaj cu bolt 12 mm

- *instrumentul este utilizat pentru a demontare si montare pinioane pe butuci cu ax de 12 mm*





UNIOR

	A1	A2	B	D1	D2	D3	S	
625615	75	30	1.67	23,45	21,25	11,9	21	65.45

1669/4

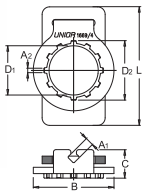
Cheie de buzunar pentru spite si cheie de schimbat torpedou

- *material: otel de scule calit si revenit*
- *acoperire prin brunare conform DIN 50938*
- *cheia ete scula de baza pentru ciclisti*

Cum sa utilizati scula:

- *schimbarea niplurilor rupte pe partea dreapta a rotii din spate, piulitele se vor inlocui primele.*
- *,ai intai se demonteaza roata spate, apoi se fixeaza scula in locasul de piulita din roata.*
- *am instalat la loc roata din spate, astfel incat marginea patrata a sculei preseaza pe cadru sau suport. Dupa aceea, se rotesc pedalele in directia inainte si slabiti piulita rotii libere. Putem scoate caseta si inlocuiti spitele rupte. In scopul de a preveni posibilitatea ca vopseaua de pe cadrul bicicletei sa fie deteriorata, o farfurie de plastic de protectie ar trebui sa fie introdusa intre cheie si cadru.*





UNIOR

	L	B	D1	D2	A1	A2	C	
616758	47	32	19,5	23,6	3,4	1,8	12	34.65

1750/2DP-US

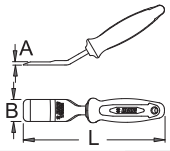
Intinzator pentru discul de frana

- *material: compozitie speciala pentru calire revenire*
- *maner ergonomic rezistent bimaterial*
- *suprafata:cromata in concordanta cu standardul EN 12540*
- *scula este indoita la 30 grade*
- *utilizata pentru schimbarea discurilor de frana*

Cum sa utilizati scula:

- *demontati roata de pe bicicleta*
- *introduceti scula intre discurile de frana, impingeti pana doua pistoane reintra in locasul din cadru*
- *Scoateti scula*
- *montati discuri noi*
- *reinstalati roata de bicicleta*





UNIOR

	A	B	L		
626335	3,5	25	160,5	130	92.79

1757/2DP-US

Scula 2 in 1 disc frana bicicleta

- *material: otel carbon de scule calit si revenit*
- *finisarea suprafetei: acoperire cromare conform ISO 1456:2009*
- *utila atat pentru comprimare pistoane de frana cat si pentru indreptarea discului*
- *forma de pana pentru patrundere usoara*





UNIOR

	A	B	L		
627087	3,5	25	160,5	130	82.95

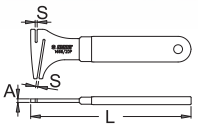
1666/2DP-US

Scula de ajustare foaie de lant

- *material: Otel Carbon de scule calit si revenit*
- *acoperire cromare in conformitate cu EN12540*
- *Scula destinata repararii micilor deformari ale foii de lant.*

Prezinta doua fante de dimensiuni diferite, alegand-o pe cea optima interventiei.





UNIOR

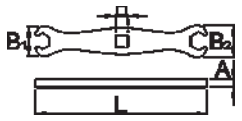
	S	L	A		
624905	2,2	183	4	177	80.98

1760/2 NOU

Cheie pentru piulite

- *aceasta cheie cu doua capete are o deschidere de 7 mm si 8 mm pe fiecare parte, ceea ce o face versatila si potrivita pentru o gama larga de sisteme de franare. Capul cu cinci laturi tine piulita pe cinci laturi, repartizand forta în mod uniform si prevenind deteriorarea elementelor de fixare. Aceasta cheie este conceputa special pentru a fi utilizata pe orice sistem hidraulic de franare, inclusiv piulite pentru furtunuri hidraulice de compresie si nipluri de aerisire. Designul sau cu profil redus permite accesul usor la fitinguri in spatii înguste. In plus, cheia cu piulita evazata poate fi folosita ca unealta independenta sau in combinatie cu o cheie dinamometrica prin intermediul unitatii patrate de 1/4" incorporate.*
- *cheie cu doua deschideri de 7 si 8 mm,*
- *fiecare parte are un cap de cheie cu cinci laturi care tine piulita pe cinci laturi si distribuie forta uniform, prevenind deteriorarea elementelor de fixare.*
- *conceput pentru a funcționa ca o cheie independenta sau pentru a fi folosit ca picior de corb în combinație cu cheia dinamometrica prin intermediul unui antrenament patrat integrat de 1/4˝.*





UNIOR

	L	B1	B2		A		
629365	87	15	16	6.35	4	177	38.03







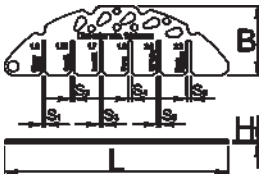


1728/6 NOU

Indicator de uzură pentru discul de frana

• pentru a-l folosi, pur și simplu glisează fanta corespunzătoare de pe unealtă peste discul tău de frână.
• dacă discul nu încape în fantă, acesta se află încă în intervalul sigur de uzură.
• dacă discul încape în fantă, atunci a atins sau a depășit grosimea minimă admisă și trebuie înlocuit pentru a menține performanța și siguranța la frânare.
• dispune de 6 fante de măsurare decupate cu laser de înaltă precizie pentru limite de uzură de: 1,5 mm, 1,55 mm, 1,7 mm, 1,8 mm, 2,0 mm și 2,3 mm - fiecare fantă este marcată cu specificația de grosime minimă utilizată de cei mai comuni producători de discuri de frână.
• orificiu integrat pentru agățare sau depozitare convenabilă
• verifică întotdeauna specificația grosimii minime inscripționată pe disc sau consultă documentația tehnică a producătorului pentru a confirma limitele de uzură.









UNIOR BIKE TOOLS

629994	000.00

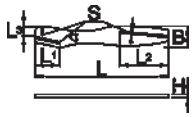


1666/6 NOU

Furca de centrare a discului 2.0

• fabricat din oțel de scule
• tratat termic pentru performanță de lungă durată.
• potrivit pentru discuri cu grosime de până la 2,4 mm.
• include o gaură pentru agățarea sculei.
• sfat de siguranță: asigurați-vă întotdeauna că etrierele și discurile s-au răcit complet înainte de a începe orice lucrare.













UNIOR BIKE TOOLS

	S	L	B	H	L1	L2	L3		
629938	2.45	190	30	5	35.5	69.5	13	158	102.13







SET1-2600BK NOU

Set sistem franare

• setul include un set complet pentru curatarea celor mai populare frane de pe piata. Partea cu ulei mineral include o seringa TPX pentru o manevrare mai usoară, pe langa toate cele pentru curatarea tuturor franelor hidraulice Shimano, Magura, TRP si Tektro. Setul pentru purjarea franelor cu suport de ulei DOT include seringi TPX pentru o manevrare mai usoara, in afara de tot ceea ce este necesar pentru curatarea tuturor franelor hidraulice SRAM. Nu sunt incluse lichide.

PARTEA ULEIULUI MINERAL INCLUDE:

• palnie transparenta de 30 ml (corp seringa) cu filet M5 din alama
• dop filetat din otel inoxidabil (dop de ulei) cu suport
• palnie transparenta tip Luer slip 20 ml (corp seringa) pentru parghiile Magura MT
• seringă TPX de 20 ml cu tub de lunga durata
• insertie de tub din otel inoxidabil care asigura o fixare ghidata intre tub si niplul de aerisire
• tub cu fiting din alama M6 pentru frane hidraulice Magura si TRP / Tektro
• cleme pentru scurgerea gravitatională mai usoara
• adaptor din alama M5-M6 pentru frane hidraulice TRP/Tektro
• adaptor din alama pentru frane hidraulice Shimano (Dura-Ace, Ultegra, 105, GRX, Tiagra)
• Baza pentru palnie si adaptoare cu stifturi de rezerva pentru inele O in partea de jos
• bloc de purjare pentru franele hidraulice Shimano cu bara plata (tip 2 sau 4 pistoane). Potrivit si pentru TRP / Tektro
• blocaj de purjare pentru franele hidraulice Shimano cu bara de cadere
• bocuri de purjare pentru franele hidraulice Magura MT
• curea cauciucata cu carlig si bucla laterala, 25 cm (pentru fixarea seringii etrierului pe cadru sau furca)
• inele O de rezerva (5 buc)

Compatibilitate:
• acest kit este compatibil cu absolut toate franele hidraulice Shimano (XTR, XT, Saint, Zee, SLX, Deore, Alivio, Acera, Alfine, Metrea) inclusiv frânele hidraulice Shimano drop bar (Dura-Ace, Ultegra, 105, Tiagra, GRX) .
• acest kit este compatibil si cu toate franele hidraulice Magura MT ai Tektro ai TRP.

SETUL DOT INCLUDE:

• 3x seringi TPX de 20 ml
• 2x ansamblu M5
• 1x Ansamblu margine
• inele O de rezervă
• bloc de aerisire pentru franele hidraulice SRAM de tip mai vechi (tip cu 2 sau 4 pistoane)
• blocaj de purjare pentru cele mai recente frane hidraulice SRAM

Potrivit pentru

• acest kit este compatibil cu absolut toate franele hidraulice SRAM, inclusiv franele hidraulice 2017+ cu port de purjare Bleeding Edge. De asemenea, compatibil cu toate franele hidraulice Avid (Elixir, Juicy...) si toate tipurile mai vechi de frane hidraulice Formula (Oro, C1, R1, R0, K24, K18...). Nu este compatibil cu franele hidraulice Formula Cura





UNIOR

629500	1184	1260.00

1697.3

Set de adaptoare si tarozi BSA

• set format din 1697.2/4 si manerul magnetic 1695/4BI

Setul contine:

• 2 adaptoare pentru filiere BSA
• filiere pe stanga si la dreapta BSA 1,3/8 × 24 TPI





UNIOR

	M	B	L1	L2		
626487	1.3/8" x 24 tpi	320	142.5	176	100	1425.41

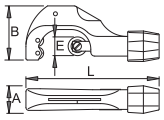
360/6A

Dispozitiv de taiat teava 3-35 mm

- *schimbare rapida a rolelor*
- *buton ergonomic*
- *4 role pentru o mai bună fixare a tubului si o functionare lina*
- *rola de taiere de rezerva in maner*
- *posibila utilizare individuala a instrumentului debavurator NOGA*
- *inserție filetată din oțel pentru o durată de viata mai lunga*
- *pentru taierea tuburilor de cupru, aluminiu, inox si otel cu grosime maxima pana la 2mm*

COD ROLA SCHIMB: 626191





UNIOR

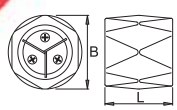
		B	E	A					
626187	3 - 35	55	19	28	135	340	1E	1	248.52

363A

Dispozitiv de debavurat tevi interior/exterior Ø3-42 mm

• eliminarea arderilor la interiorul sau exteriorul partilor evazate ale tevilor
• lamele de taiere din otel carbon special, tratat





UNIOR

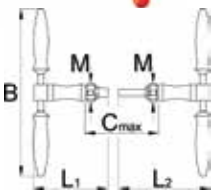
	Dimensiune		
626249	3-42 mm	35	74.43

1697-US

Scula de filetat locas furca (BSA)

• material: otel aliat
• maner ergonomic rezistent bimaterial
• scula este destinata pentru filetarea in carcasa cadrului. Cand se fileteaza stanga sau dreapta introduceti scula paralel fata de ambele parti al carcasei cadrului. Forma asigura o munca eficienta si precisa
• maner pentru filiera (1695.1/4BI) (2x)
• filiere de schimb pentru 1697 (1697.1) 1.3/8 x 24 tpi (BSA)
• adaptor for filiera BSA (1697.2/4) (2x)
• ghidaj pentru filiera 1697.1 si 1698.1 (1697.4)





UNIOR

626475	2100	1745.41

1697.2/4

Adaptor pentru tarozi BSA

• adaptorul este compatibil cu tarozii BSA 1697.1 si manerul magnetic 1695/4BI pentru alezare si filetare
• crestatura din capul adaptorului usureaza asamblarea sculelor impreuna cu manerul 1695/4BI





UNIOR

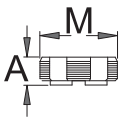
	L	D		
626467	75	32	240	142.10

1697.1

Filiere de schimb pentru 1697

- *material: otel aliat*
- *filiere stanga si dreapta sunt disponibile in setul pentru art. 1697*







UNIOR

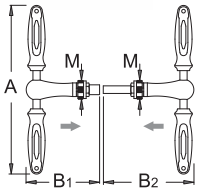
		A		
617310	1.3/8x24 tpi (BSA)	18	117	939.61

1698-US

Scula de filetare locas furca, ITAL

• material: otel aliat
• maner ergonomic rezistent bimaterial
• pentru refacerea si taierea filetelor in cadru cu locasurile de rulmenti, foloseste un cutit de filete.
• este destinata in mod special pentru roti de origine Italiana care are filet pe dreapta pe ambele parti a locasului pentru rulmenti (36 mm x 24t pi), aceasta insemnand o derulare in ambele parti in sensul acelor de ceasornic
• poti de asemenea sa repari filetele folosind cutitul de filet.





UNIOR

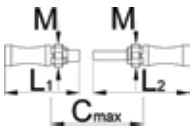
	M	B2		
626473	36x24 tpi (ITAL)	180	2300	1697.87

1698.3

Set adaptoare si tarozi ITAL

• set format din tarozi ITAL 1698.1 ,adaptorul 1698.2/4 si manerele magnetice 1695/4BI





UNIOR

626486	2020	1377.74

1698.2/4

Adaptor pentru tarozi ITAL

• adaptorul este compatibil cu tarozii ITAL 1698.1 si manerul magnetic 1695/4BI pentru alezare si filetare
• crestatura din capul adaptorului usureaza asamblarea sculelor impreuna cu manerul 1695/4BI





UNIOR

	L	D				
626466	75	32	243	1V	1	123.55

1698.1

Tarozi de schimb pentru 1698

- *Material: otel aliat*
- *Tarod stanga si dreapta disponibili in set pentru art 1698*







	M	A				
617590	36x24 tpi (ITAL)	18	122	1E	1	**929.04**

1699-US

Scula pentru frezare frontala (BSA si ITAL)

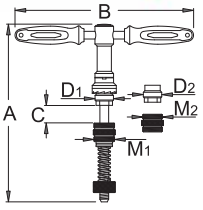
- *material: otel aliat*
- *maner ergonomic rezistent bimaterial*
- *pentru a curata suprafata carcasei butucului, utilizati setul complet de scule pentru tratament frontal si taiate.*
- *utilizarea este simpla: strangeti bitii cu partea filetata in jos si fixati arcul si piulita pentru a asigura o forta axiala suficienta. Cu un design excelent si o executie de inalt nivel calitativ, scula va asigura atat pe dreapta cat si pe stanga o strangere simultana si coaxiala*
- *usor de folosit*
- *instrumentul este utilizat pentru a restaura sau pregati suprafata carcasei pedalierului*
- *manerul magnetic faciliteaza asamblarea instrumentului*
- *maner ergonomic cu doua componente pentru sarcini grele*
- *instrument fabricat cu precizie*
- *ghidaj cadru alezoare BSA 1699.4BSA cu unealta 1699.5/4P*

Setul contine:

- *maner magnetic al alezorului 1695.1/4BI sau 1695.1/4BIUS*
- *corpul alezului 1699.2/4*
- *alezor 1699.1*
- *ghidaj cadru alezoare BSA 1699.4BSA cu unealta 1699.5/4P*







	M (ITAL)	M2 (BSA)	A	C	D1	D2	
626477	36x24 tpi	1.3/8x24tpi	325	90	34,8	33,5	**1212.30**

1695.1/4BI-US; 1699.1; 1699.2/4; 1699.4BSA; 1699.5/4P

1699.2/4

Dispozitiv de alezat cadru in partea inferioara BSA&ITAL

- *dispozitivul pentru cadru este compatibil cu alezorul inferior 1699.1 si manerul magnetic pentru alezoare si tarozi 1695/4BI*
- *crestatura din capul adaptorului asigura asamblarea rapida si usoara cu manerul pentru alezoare si tarozi 1694/4BI*





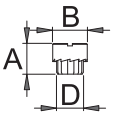
	L	D				
626468	297	42	884	1V	1	**274.96**

1694.1

Alezor pentru 1694

- *Material: otel aliat*





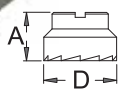
	D	A	B				
617824	1.1/8"	39	44,1	295	1V	1	**932.54**

1699.1

Scula de strunjit pentru 1699

- *Material: otel aliat*





	A	D				
617592	29	44	197	1E	1	**613.69**

1697.4

Ghidaj pentru tarozi 1697.1 si 1698.1

- *ghideaza tarozii in adaptor pentru a tine filierele in pozitie si centreaza instrumentul in timpul utilizarii. Ghidajul este compatibil atat cu filierele1697.1 si 1698.1, cat si cu adaptoarele 1697.2 / 4 si 1698.2 / 4.*

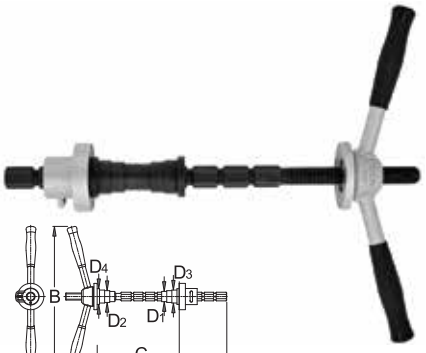


627325	258	1V	1	**201.67**

1680/4

Scula de presat rulment

- *material: Otel Carbon*
- *aceasta scula de acuratete preseaza coaxial bucsile de capat pentru 1" 1 1/8", 1 1/4 si 1 1/2" in capatul cadrului de furca.Aditional exista un surub mai lung pentru furcile de BMX cu teava mai groasa.Aceasta scula precisa permite lucrul fara deteriorari ale componentelor.*









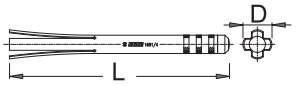
	D1	D2	D3	D4	C	A	B	
616290	1"	1.1/8"	1.1/4"	1.1/2"	320	410	340	**698.95**

1681/4

Extractor pentru locas furca

- *material: otel*
- *acoperire prin brunare conform DIN 50938*
- *extractorul de cap cadru este utilizat la inlocuirea capetelor uzate 1", 1 1/8" si 1 1/4" din cadru in mod usor*





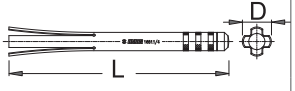
				L	D		
616291	1"	1.1/8"	1.1/4"	300	40	327	**132.86**

1681.1/4

Extractor pentru locas furca

- *material: otel*
- *scoperire prin brunare conform DIN 50938*
- *scula face posibila schimbarea partilor uzate din ghidon 1 1/4" si 1 1/2" din ghidon in mod usor*





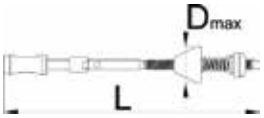
			L	D		
619705	1.1/4"	1.1/2"	300	56	326	**130.97**

1694.2/4

Dispozitiv de alezat cadrul

• *dispozitivul este compatibil cu alezorul 1694.1 si manerele magnetice pentru alezoare si tarozi 1695/4BI.*
• *crestaturile din capul adaptorului asigura o asamblare rapida si usoara a sculei impreuna cu manerul pentru alezoare si tarozi 1694/4BI*





UNIOR

	L	D		
626463	427	60	360	392.07

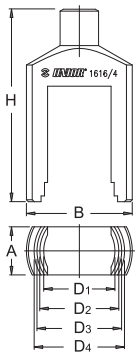
1616/4

Dispozitiv pentru inlocuire cap furca

• *material: otel*
• *acoperire prin brunare conform DIN 50938*

Cum sa utilizati scula:
• *aceasta scula este utilizata pentru inlocuirea capului de furca a diferitelor modele mai vechi de biciclete*
• *pentru inlocuirea carcasei rulmentului loviti in scula cu ciocanul.*





UNIOR

	A	B	H	D1	D2	D3	D4	
615527	25	55	100	37	41	44	47	340.83

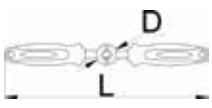
1695.1/4BI-US

Maner pentru alezoare si tarozi

• *manerul doua materiale componente este de forma ergonomica si conceput pentru sarcini grele*
• *particularitatea sa este dintele magnetic, care permite o asamblare usoara a instrumentului si, in acelasi timp, va permite sa utilizati un singur maner pe mai multe instrumente.*

Compatibil cu:
• *instrument de alezare a ghidajului de jos BSA 1697*
• *instrument de alezare a ghidajului de jos ITAL 1698*
• *suport pentru ghidajele inferioare BSA & ITAL 1699*
• *instrument de indreptare tub cap 1694*
• *set de adaptoare si tarozi BSA 1697.3*
• *adaptor pentru tarod BSA 1697.2/4*
• *set de adaptoare si tarozi ITAL 1698.3*
• *adaptor pentru tarod ITAL 1698.2/4*
• *cadru de scule cu suport de jos BSA & ITAL 1699.2/4*
• *cadru pentru scule cu tub cap 1694.2/4.*





UNIOR

	D	L		
626465	33	320	570	160.00

1614/4BI-US

Extractor universal

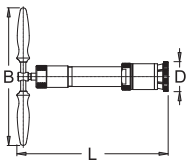
• *material: otel de scule calit si revenit*
• *acoperire prin brunare conform DIN 50938*

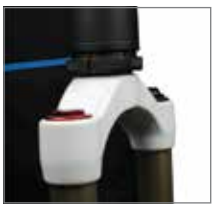
Cum sa utilizati scula:
• *extractorul este un dispozitiv pentru inlocuirea rapida si precisa a bucsii de fixare a ghidonului pentru 1",1 1/8",1 1/2". Pentru utilizarea acestuia montati extractorul in capatul furcii si rotiti manerul de actionare,veti reusi schimbarea bucsii filetate fara a utiliza ciocanul. Este utilizat atat de profesionisti cat si de pasionatii de biciclete.*



UNIOR









	D	D1	D2	L	B	
626270	1"	1.1/8"	1.1/2"	351	320	2382.46





1699.4ITA

Suport pentru instrumente orientate spre partea inferioara ITAL

• *adaptorul este compatibil cu tarozii BSA 1697.1 si manerele magnetice 1695/4BI*





UNIOR

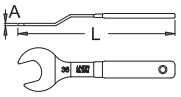
	M				
626469	36 x 24 tpi	252	1V	1	156.66

1618/2DP-US

Cheie simpla indoita pentru roata

• *material: otel carbon de scule calit si revenit*
• *acoperire cromare in conformitate cu EN12540*
• *manere din doua straturi de plastic*
• *designul sculei asigura lucrul in locuri dificile.Forma unica a cheii este destinata pentru demontarea si montarea piulitelor de la ghidonul modelului Sun Tour.Este folosit impreuna cu cheia simpla art.1617.Noul design asigura un moment de torsiune mai mare si reducerea efortului fizic.*





UNIOR

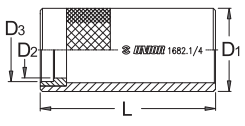
		L	A		
624939	36	270	4	275	57.70

1682.1/4

Bucsa de ghidare

• *material: otel carbon*
• *acoperire prin brunare*
• *bucsa de ghidare este destinata ghidarii in cazul montarii piulitelor de ghidare de 1" la 1/8"; este destinata atat profesionistilor cat si pasionatilor de biciclete.*





UNIOR

	L	D1	D2	D3		
619618	80	38	25,7	28,9	286	72.38

1699.4BSA

Suport pentru instrumente orientate spre partea inferioara BSA

• adaptorul este compatibil cu tarozii ITAL 1698.1 si manerele magnetice 1695/4BI



UNIOR

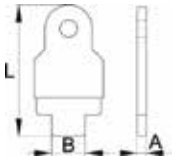
	M1	M2			
626470	13/8" x 24	13/8" x 24	240	1V	151.97

1699.5/4P

Cheie pentru instrumentul de alezare a ghidajelor inferioare BSA & ITAL

• cheia este utilizata pentru a aleza partea inferioara a cadrului si este compatibil cu alezoarele BSA & Ital.
• manerul cheii este mulat in plastic pentru confort





UNIOR

	L	B	t			
626471	60	15,7	4	46	1V	11.69





1682/4

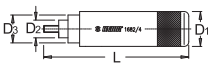
Dispozitiv de montat ax ghidon

• material: otel carbon
• acoperire prin brunare conform DIN 50938
• setul de filetare piulita este utilizat pentru montarea capului de prindere furca pentru 1" si 1 1/4"
• este utilizat atat de profesionist cat si de amatori





UNIOR



	L	D1	D2	D3		
616292	124	29,5	15,2	24	557	101.36

1604/2PLUS

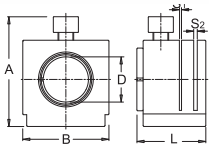
Ghidaj de debitare furca, pentru folosire profesionala

• material: otel aliat
• pentru dimensiunile 1", 1.1/4", 1.1/8", 1.1/2"
• 1604/2 PLUS permite montarea instrumentului de masura 1604.1 PLUS, care permite determinarea rapida si cu precizie lungimea tubului furcii dupa taiere

Cum sa utilizati scula:

• Cand tubul de ghidare sau o furca noua sunt mai lungi decat necesar, acestea trebuiesc scurtate la lungimea corecta. Ghidajul de taiere asigura o taiere egala si precisa pentru tuburile cu dimensiuni de 1", 1.1/4", 1.1/8", 1.1/2". Prindeti tubul furcii in ghidajul de taiere, pozitionand precis locul de taiere la nivelul fantei ghidajului de taiere. Strangeti menghina, fara sa fortati. Fixati ansamblul ghidajului de taiere/ furca in pe bancul de lucru. Taiati tubul cu un fierastrau prin fanta ghidului de taiere. Daca instalarea piesei de taiat a fost facuta precis si strans, nu va fi nici o urma vizibila pe tubul furcii





UNIOR

	D1	D2	D3	D4	S1	S2	A	B	L	
623417	1"	1.1/8"	1.1/4"	1.1/2"	1,5	2,5	60	60	38	650.65



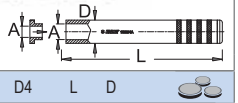
1683/5A

NOU

Set bucsi ghidare ghidon

• material: otel
• acoperire prin brunare conform DIN 50938
• dimensiuni: 1", 1.1/4"; 1.1/8" ca elemente separate si 1.1/2" dimensiunea tevii.
• acesta scula este destinata pentru montarea ghidonului in cadrul bicicletei pentru tevi de 1", 1.1 / 4", 1.1 / 8", 1,1 / 2 ", diametrele introduse sunt interschimbabile.. Acest instrument permite o munca rapida si eficienta .





UNIOR

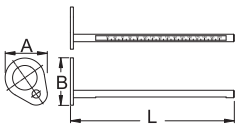
	D1	D2	D3	D4	L	D	
626268	1"	1.1/8"	1.1/4"	1.1/2"	319	46	547.87

1604.1/2PLUS

Instrument de masura pentru ghidajul de taiere

• 1604.1/2 PLUS se monteaza pe ghidajul de taiere 1604/2 PLUS si permite determinarea rapida si cu precizie lungimea tubului furcii dorit dupa taiere.





UNIOR

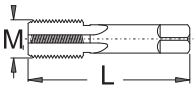
	A	B	L		
623418	57	64	220	174	47.81

1695

Tarod pedala

- *Material: otel aliat*
- *Functionarea are rolul de a elimina rugina si a reface filetele uzate.Este disponibil in trei dimensiuni diferite.*
- *Finisarea protejeaza impotriva eventualelor deteriorari exteriore.*
- *M10 - tarod pentru inelul schimbatorului de pinioane (616079)M5 - tarod pentru butelia de apa, inel de tractare, aripa, parghie de reazem.(616078)M3 - tarod pentru schimbatorul de pinioane (616077)*





UNIOR

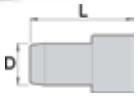
	M	L				
616077	3	60,5	8	1E	1	57.96
616078	5	60,5	11	1E	1	57.96
616079	10	60,5	22	1E	1	119.28

1702 NOU

Scula de montare a furcii ghidonului

- *Scula este destinata instalarii furcii ghidonului in partea din fata a furcii cu suspensia. Avand la baza cota de etansare, versiunile corespunzatoare ale sculei pentru dimensiunile - 32mm, 34mm, 35mm/36mm or 40mm. Scula este confectionata din plastic dur care nu deterioreaza carcasa furcii.*





UNIOR

		D	L		
627753	30	29.4	87	92	100.66
627754	32	31.4	87	102	100.66
627755	34	33.4	87	114	100.66
627756	35	34.4	87	119	100.66
627757	36	35.4	87	125	100.66
629034	37	36.4	87	132	100.66
629035	38	37.4	87	119	100.66
627758	40	39.4	87	151	100.66

1702-SET NOU

Set scule de montare a furcii ghidonului

- *setul include dimensiunile 30, 32, 34, 35, 36, 37, 38 și 40.*
- *scula este destinata instalarii furcii ghidonului in partea din fata a furcii cu suspensia. Avand la baza cota de etansare, versiunile corespunzatoare ale sculei pentru dimensiunile - 32mm, 34mm, 35mm/36mm or 40mm. Scula este confectionata din plastic dur care nu deterioreaza carcasa furcii.*



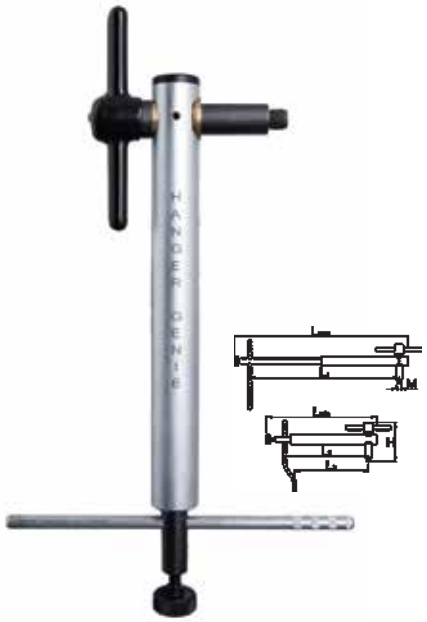
UNIOR

629075	1G	766.89

1602/5 NOU

Dispozitiv verificare aliniere schimbator de viteze extern bicicleta

• dispozitivul ideal pentru realinierea cu precizie a schimbatorului de viteze in vederea asigurarii unei functionari corecte a acestuia. Permite alinierea bicicletelor cu diametrul rotii spate cuprins in intervalul 20" - 29". Se monteaza in locasul filetat de fixare a schimbatorului de viteze. Tija palpatoare poate fi blocata pentru verificarea paralelismului dintre urechea de fixare si planul rotii spate in momentul rotirii bratului pivotant. Datorita acestui brat pivotant, rotirea este usoara si accesul rapid la puctele de contact.







UNIOR

	L	L	L1	H	L2	M	L3	
629818	392	250	338	89	189	M10x1	168	542.36

1692/4

Scula pentru alinierea cadrului si furcii

- *material: Otel Carbon de scule calit si revenit*
- *acoperire prin brunare conform DIN 50938*

Cum sa utilizati scula:

- *pentru folosirea scule demontati roata si introduceti scula in cadru. scula este utilizata pentru centrarea furcii spate si obtinerea paralelismului.*



UNIOR



IN LIMITA STOCULUI



	D	B	L		
618412	30	84	309,5	1222	432.39

689/5BI-US NOU

Extractor pentru rulmenti interiori

- *material: otel crom-vanadiu premium*
- *forjat la cald, complet calit si revenit*
- *finisaj de suprafata: zincat conform ISO 2081:2018 (E)*
- *maner ergonomic robust, cu doua componente*

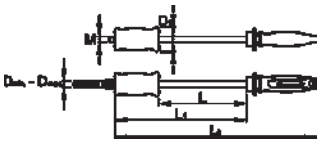
Avantaje:

- *setul include 6 bucati de coliere expandabile pentru dimensiuni interioare ale rulmentilor: 6.5–8, 10–12, 12–15, 17–20, 22–28, 30–36*

Utilizare:

- *se foloseste pentru extragerea diferitelor tipuri de rulmenti. Colierul expandabil prinde pista interioara a rulmentului si o extrage.*
- *rulmentul este extras prin forte de impact generate de un ciocan culisant de 1 kg*





UNIOR

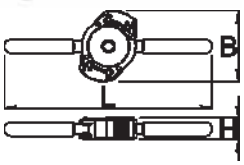
	Dmin	Dmax	D1	L	L1	L2	M	
626629	6,5	36	50	180	271	415	M12	2176.72

1721.3 NOU

Maner cu glisare rapida pentru 1721

- *Maner robust, proiectat pentru utilizare cu extractorul de rulmenti cod 1721. Sistemul de glisare rapida permite actionarea eficienta si extragerea precisa a rulmentilor, reducand timpul de lucru si efortul utilizatorului. Ideal pentru ateliere profesionale sau utilizatori care efectueaza frecvent operatiuni de intretinere si reparatii.*
- *compatibil cu extractorul de rulmenti 1721*
- *constructie solida pentru utilizare intensiva*
- *mecanism cu glisare rapida pentru operare usoara*
- *design ergonomic pentru confort si control sporit*





UNIOR

626560	568.52

1721.5 NOU

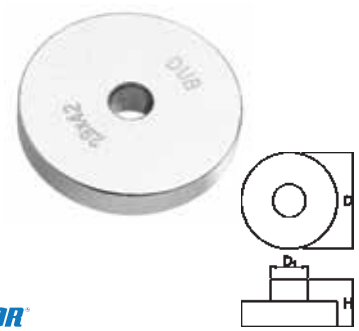
Tija filetata

UNIOR

	M	
627788	M8 x 195	34.10

1721.1 NOU

Adaptor pentru presa de rulmenti

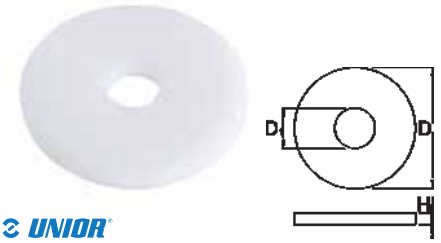


UNIOR

	Dimensiune		
625413	30 x 42 - BB30 (2x)	105	-
625414	24 x 41-BB86/92 (2x)	89	-
625415	22 x 41 (2x)	86	-
625416	10 x 26 - 6000	29	-
625417	10 x 22 - 6900	21	-
625418	12 x 28 - 6001	35	-
625419	12 x 24 - 6901	27	-
625420	15 x 28 - 6902	38	-
625421	15 x 24 - 6802	29	-
625422	15 x 26 - 1526	34	-
625423	17 x 28 - 17286	41	-
625424	17 x 30 - 6903	46	-
625425	17 x 26 - 6803	36	-
625426	20 x 32 - 6804	56	-
625427	25 x 37 - 6805	78	-
625428	9.5 x 22.2 (3/8" x 7/8") - R6 (2x)	21	-
625429	8 x 22 - 608	20	-
628582	DUB 29×42 (2x)	203	-

1721.2 NOU

Protectie pentru montaj rulmenti

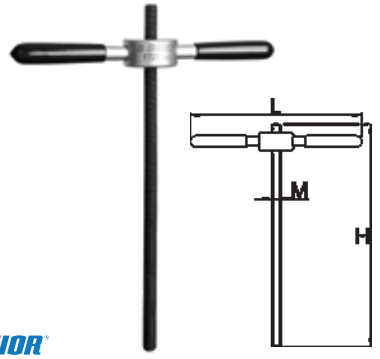


UNIOR

	D	D1	H		
625431	30	10	3	5	-
625430	45	15	3	9	-

1721.4 NOU

Maner cu tija filetata pentru setul de presa pentru rulmenti 1721



UNIOR

	M	L	H		
627264	M8	150	195	195	111.97

1721

Kit presa de rulmenti universali

• setul de presare rulmenti universal UNIOR 1721 permite instalarea rulmentilor pe majoritatea cadrelor si componentelor.
• setul include un arbore cu doua mansoane filetate, adaptoare pentru urmatorii rulmenti standard : 608, 1526, 6000, 6001, 6802, 6803, 6804, 6805, 6900, 6901, 6902, 6903, R6, 28x17 (Hope), BB30, conform cu normele de fixare prin presare si doua ghidaje din plastic concepute pentru protejarea suprafetelor de carbon in timpul instalarii rulmentului.
• unul dintre manerele cu filet include un sistem rapid de desfacere.
• toate elementele sunt aranjate intr-un modul de spuma SOS cu doua straturi in interiorul unei cutii de plastic compacta.



UNIOR

623301	1G	1538.53







1721BB NOU

Kit presa de rulmenti universali

• set de prese pentru rulmenti specifici pentru monobloc.
• include adaptoare pentru cele mai comune standarde de monobloc press fit si BB30 – Sram DUB, BB30, BB86/BB92.
• depozitare organizata intr-o cutie din plastic cu suport din spuma decupata cu laser.
• maner filetat cu sistem de eliberare rapida pentru utilizare usoara si eficienta.



UNIOR

629167	1G	1103.11

1704-US

Kit service suspensii

• setul de service suspensii include cele mai populare instrumente profesionale pentru intretinerea furcilor si amortizoarelor, toate aranjate in modul de scule SOS si depozitate intr-o cutie compacta

Setul contine:

• set extractor bucsi dimensiuni 12 mm si 12,7 mm
• instrument de etansare a garniturii furcii pentru dimensiuni 30, 32, 34, 35/36 si 40 mm
• chei hexagonale dimensiuni 3/64 ", 1/16", 1,5, 2, 2,5 si 3
• chei tubulare 1/2 "dimensiuni 10, 15, 26, 27, 28, 30
• clichet reversibil
• cheie cu curea
• cleste reglabil



UNIOR

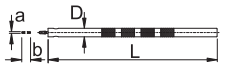
628959	1G	2895.08

1751/2T

Scula de montaj pentru nipluri de spite

• scula Unior de asamblare a niplurilor este prietenul tau cel mai bun cand se construiesc roti. Arcul sau tare va permite sa atasati niplul si sa-l in surubati prin peretele dublu al jantei. In felul acesta evitati sa scapati niplurile intre pereti.
• arcul este intersanjabil.





UNIOR

	a	b	D	L	
623299	1,3	6,5	6,5	130	80.29

1751.1/7T

Set de 5 arcuri de rezerva pentru 1751/2T



UNIOR

623300	1	51.24

1754

Kit universal de montaj de roti

• articolul Unior 1754 este un set complet de scule universale destinate constructiei si centrarii rotilor. Sculele sunt asezate intr-un modul SOS cu doua straturi in interiorul unei cutii compacte din plastic

Setul contine urmatoarele scule:

• chei de spite 3.3, 3.45, 4, 4.3, 5, 5.5 mm
• cheie de spite Shimanao
• cheie de caslaj pentru spite plate
• surubelnita pentru nipluri de spite si scula de asamblare nipluri
• ansamblu de chei de spite Mavic
• cheie de sptie DT Swiss cu profil torx
• surubelnita tubulara pentru nipluri de spita patrate 5.5 mm cu maner in T
• rigla de masura pentru raze, bile de rulment si chei de arbore



UNIOR

629377	20	2319	1599.67

1705/2DP-US

Cheie cu curea pentru suspensii

• material: otel crom vanadiu premium
• forjata, calire si revenire totala
• finisaj de suprafata: cromat conform ISO 1456: 2009
• instrumentul are un maner dublu din plastic, pentru un confort sporit.

Utilizare:

• instrumentul este utilizat pentru intretinerea suspensiei bicicletei. Cu cureaua sa cauciucata neteda, puteti apuca orice tip de suprafata neteda si sensibila



UNIOR

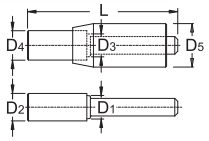
	L		
625105	220	235	114.10

1701/5

Set extractor bucsa

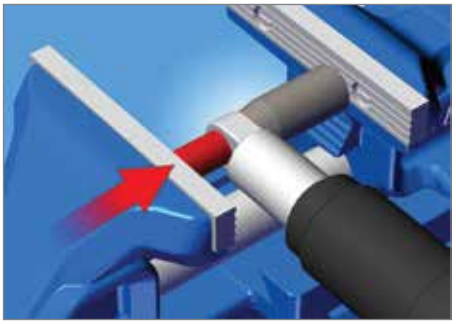
• scula este folosita pentru inlocuirea bucsilor vechi din amortizoare
• prin folosirea acestei scule si a unei menghine, inlocuirea bucsii este extrem de usoara.
• extractor bucsa suspensie

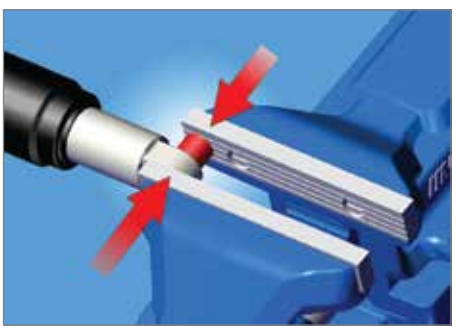




UNIOR

		D1	D2	D3	D4	D5	L	
623006	12 - 12,7	11,8	13,9	12,5	14,9	22	76	144.27





1783/1 6P

Cap tubular pentru suspensie

• material: otel premium crom-vanadiu
• forjata, complet intarita si calita
• finisaj de suprafata: cromat conform ISO 1456: 2009
• lustruit

Utilizare:

• capetele sunt folosite pe furca cu suspensie pentru bicicleta, unde piulita superioara are un profil foarte redus



UNIOR

		L	D1	D2	T		
625716	23	38	26	31,8	12	128	38.01
624214	24	40	33	28	14	126	45.29
624215	26	40	35,3	30	14	141	56.07
624216	27	41	37	30	16	146	72.87
624217	28	41	38	31	18	158	53.13
624218	30	44	40,5	34	20	215	76.65
624219	32	44	43	36	20	233	53.13







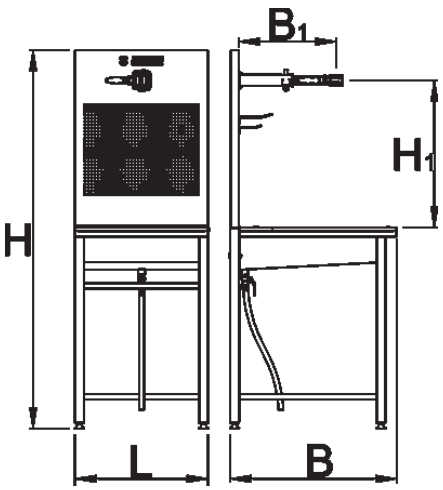


990SIN NOU

Spalator cu cuva inox de service pentru suspensii

• o completare perfectă pentru bancurile de lucru modulare
• conceputa pentru a face lucrul la furcile cu suspensie si la amortizoare cat mai eficient posibil, este construita in intregime din otel inoxidabil si este echipata cu o serie de caracteristici dezvoltate cu contributia profesionistilor de service
• menghina de reglare automata va tine in siguranta componenta suspensiei si va permite sa setati orientarea dorita
• panoul din spate perforat pentru a accepta carlige in orice configuratie pentru a agata piesele pentru un acces usor si uscare
• forma si functia chiuvetei au fost optimizate pentru o scurgere usoara, folosind gauri netede de picurare si un scurgere cu supapa pentru a colecta uleiul uzat in siguranta
• picioare reglabile care va permit sa ajustati pe inaltime chiuveta si sa asigurati functionarea corecta in orice moment



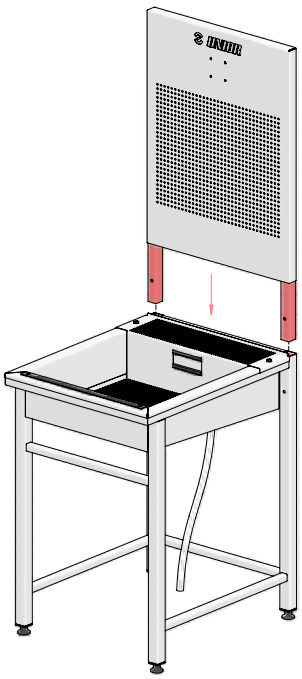




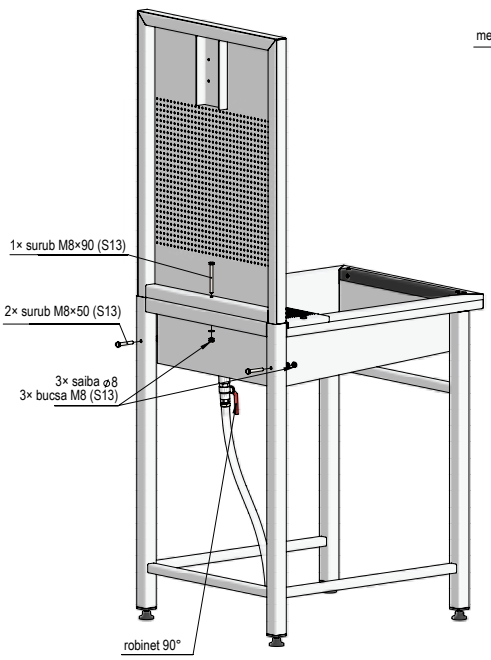




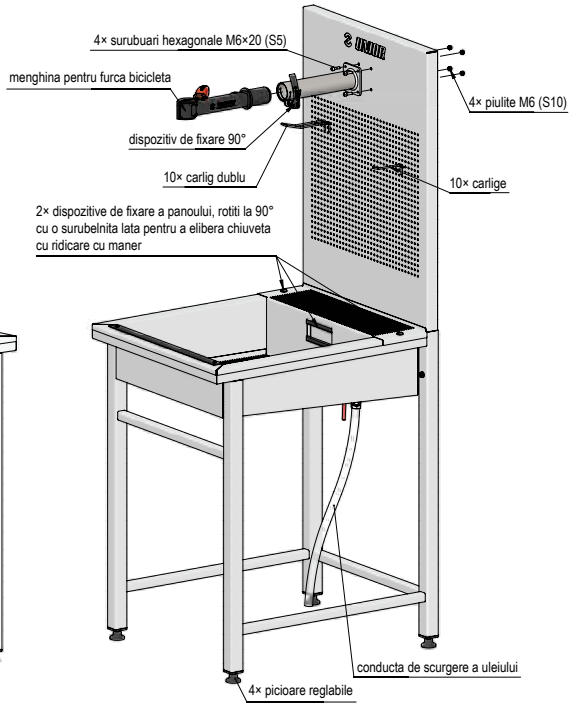




1



2



3

	Lmm	Bmm	B1mm	Hmm	H1mm		
629350	600	751.5	442	1707-1750	665	41000	**14918.03**

1756

Bit 1/4" infiletat capse spite bicicleta 1756

- *potrivit pentru majoritatea spitelor de bicicleta*
- *pinul central mentine bitul centrat pe capsa impiedicand alunecarea*



UNIOR

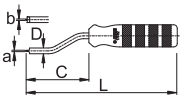
		L	B	
626981	1,5	50	1,5	36.82
626982	2,5	50	2,5	38.15

1751/2

Surubelnita pentru nipluri de spite

- *o scula de montaj roti indispensabila*
- *manerul rotitor si forma de ghidaj permit insurubarea rapida a niplurilor pe spita*
- *se foloseste pentru nipluri de forma standard*





UNIOR





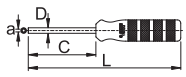
	a	b	C	D	L	
623297	1,2	1,3	71	6,5	171	134.33

1751/2Q

Surubelnita tubulara pentru nipluri de spita patrate

- *UNIOR 1751/2Q este folosit atata pentru nipluri normale sau inversate cu cap patrat de 3.2 mm*
- *corpul lung de 90 mm permite lucrul atat la jante aerodinamice cu profil inalt, cat si la asamblarea jantelor normale*
- *manerul metalic de tip profesional ofera o priza perfecta.*





UNIOR

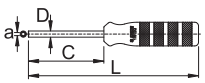
	a	C	D	L	
623298	3,35 x 3,35	80	6,5	180	120.96

1751/2DT

Surubelnita tubulara pentru nipluri de spita TORX DT Swiss® SQUORX

- *UNIOR 1751/2DT este folosit atata pentru nipluri normale sau inversate cu cap TORX E 5. Corpul lung de 80mm permite lucrul atat la jante aerodinamice cu profil inalt, cat si la asamblarea jantelor normale. Manerul metalic de tip profesional ofera o priza perfecta.*





UNIOR

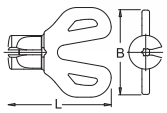
	a	C	D	L	
625552	E 5	80	6,5	180	113.89

1630/4DTPR

Cheie de spite DT SWISS Torx

- *articolul Unior 12630/4DTPR este folosit pentru niplu cu profil DT Swiss torx. Designul ergonomic usureaza si eficientizeaza munca*





UNIOR

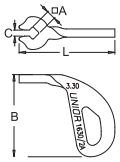
		L	B		
623448	TX 20	48,5	40	25	89.18

1630/2A

Cheie de spite

- *cheia de spite este destinata pentru intinderea niplurilor plate cu diametrul de 3,3 mm pana la 3,45 mm*
- *forma cheii asigura o perfecta actionare a niplurilor fara patinare si asigurand un lucru eficient*





UNIOR

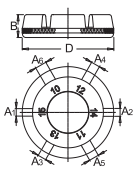
		A	B	C	
	3.3	3,3	30	2,2	19.25
616845	3.45	3,45	30	2,2	19.25

1631/2

Cheie tripla pentru spite

- *material: Otel Carbon*
- *tratament termic complet*
- *cheia este utilizata pentru cele mai populare piulite de spite de marimea 3,3 mm, 3,45 mm, 3,7 mm, 3,96 mm, 4,4 mm si 5 mm*
- *forma acesteia se adapteaza perfect mainii asigurand confort. si o stringere usoara.*





UNIOR

	D	B	A1	A2	A3	A4	A5	A6	
616289	40	10	3,3	3,45	3,7	3,96	4,4	5	70.76

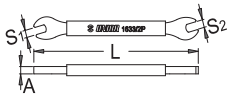


1633/2P

Cheie de spite

- *material: otel carbon de scule calit si revenit*
- *acoperire cromare in conformitate cu EN12540*
- *corpul cheii este acoperit cu plastic*
- *cheia de spite este utilizata pentru centrarea spitelor cu dimensiuni de 4.0 si 4.4 mm ale rotii.*
- *protectia de plastic a manerului cheii permite o stringhere usoara si desurubare a piulitelor de la spite.*





UNIOR

	S1	S2	L	A		
620179	4	4,4	100	4	29	36.23
622789	3,3	3,45	100	4	29	36.89

1634/2P-US

Cheie de spite, Shimani

- *material: otel carbon de scule calit si revenit*
- *acoperire cromare in conformitate cu EN12540*
- *corpul cheii este acoperit cu plastic*
- *cheia de spite Shimano este utilizata pentru centrarea spitelor cu dimensiuni de 4,3 si 4,4 mm la Shimano® Wheel System*
- *manerul acoperit cu plastic asigura strangere confortabila si impiedica desurubarea piulitelor de fixare a spitelor*
- *lungimea cheii este de 100 mm, asigurand acces la piulitele de pe janta.*





UNIOR

	S1	S2	L	A		
624951	4,3	4,4	100	4	29	36.89

1635/2P-US

Cheie de spite Mavic

- *material: Otel Carbon de scule calit si revenit*
- *acoperire cromare in conformitate cu EN12540*
- *corpul cheii este acoperit cu plastic*
- *partea mica este folosita pentru nipluri cu diametrul exterior de 6.4 mm, in timp ce partea mare este folosita pentru montarea si demontarea cauciucurilor fara camera Mavic*
- *acoperirea cu plastic a manerului asigura o strangere si o desurubare confortabila a niplurilor.*







UNIOR

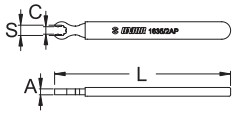
	S1	S2	L	C1	C2	A		
624952	6	10,9	120	3,7	5,4	4	41	36.23

1635/2AP

Cheie de raze Mavic R-sys

• cheia de spite Mavic (1635/2AP) se foloseste pentru nipluri de spita cu un diametru exterior de 5.65 mm, utilizate pe noile roti Mavic R-sys
• corpul acoperit cu plastic asigura o strangere si desurubare confortabile





UNIOR

	S	C	A	L		
624940	6,8	5,1	4	120	32	35.90

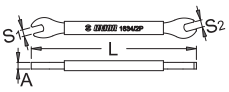


1636/2P-US

Cheie de spite 5 si 5,5 mm

• material: otel carbon de scule calit si revenit
• acoperire cromare in conformitate cu EN12540
• corpul cheii este acoperit cu plastic
• aceasta cheie este destinata centrarii spitelor de 5 si 5,5 mm
• invelisul de plastic asigura o strangere usoara si impiedica desurubarea piulitelor de fixare.





UNIOR

	S1	S2	L	A		
624953	5	5,5	100	4	29	36.39
628369	5,5	6	100	4	23	36.39

1758/4

Extractor garnitura etansare rulment roata bicicleta

• solutie unica potrivita aplicatiei
• priza ferma cu interiorul piesei pentru forta mare de tragere in cazul pieselor intepenite
• nu deterioreaza piesa fiind refolosibila dupa demontare
• disponibila in doua variante 12, 15 si 20 mm
• ambele variante au maner imbracat in plastic ergonomic si aderent



UNIOR

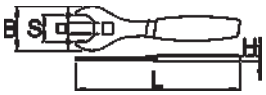
	D	L	B	
627271	20	52	102	197.26
627272	12 & 15	45	102	161.77

1706/2DP-US NOU

Cheie plata pentru intretinere suspensie

• cheie pentru demontarea si montarea rezervorului IFP la amortizoarele RockShox Super Deluxe si RockShox Vivid Air.
• cheia este proiectata pentru a indeparta si monta rezervorul IFP pe amortizoarele RockShox Super Deluxe si RockShox Vivid Air. Dispune de un maner cu strat dublu de acoperire pentru confort sporit si ofera parghia ideala pentru a preveni strangerea excesiva a rezervorului.
• capul tip "crowfoot" permite utilizarea unei chei dinamometrice de 1/2" pentru lucrari de precizie. Fabricata din otel scule decupat cu laser si tratat termic pentru rezistenta si durabilitate sporita





UNIOR

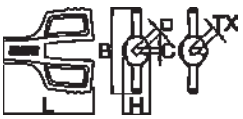
	B	S		
629073	31	1/2"	107	90.33

1630/5 NOU

Cheie spite

• aliaj de zinc turnat sub presiune
• acoperit cu zinc
• design ergonomic
• tine mamelonul spitelor pe toate cele 4 placi
• dimensiunea 3.30 concepută pentru a functiona cu nipluri de spite de dimensiunea 3.30 si 3.23
• marimi cu coduri de culoare





UNIOR

			L	C	H	B		
629293	3,3		45.8	2.5	11.1	43.3	29	85.41
629294	3,45		45.8	2.5	11.1	44.3	29	85.41
629295		TX20	45.8		11.1	45.3	29	85.41
629498	4,0		45.8	2.5	11.1	45.3	29	85.41

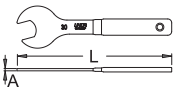


1617/2DP-US

Cheie simpla pentru ax roata

• material: otel carbon de scule calit si revenit
• acoperire cromare in conformitate cu EN12540
• manere din doua straturi de plastic
• designul si dimensiunile sculelor noastre se adapteaza permanent la noilor standarde si noilor modele de biciclete. Cheia fixa simpla are o remarcabila rezistenta, duritate si fixare precisa a ghidonului si la reglarea jocului in rulmenti. Cheia asigura o insurubare si desurubare usoara a piulitelor ghidonului. Manerul ergonomic asigura o buna functionalitate. Cheia se aseaza perfect in mana facand munca usoara si confortabila.





UNIOR

		L	A				
624920	13	200	2	86	4A	10	51.15
624921	14	200	2	82	4A	10	51.15
624922	15	200	2	84	4A	10	51.15
624923	16	200	2	81	4A	10	51.15
624924	17	200	2	80	4A	10	51.15
624925	18	200	2	97	4A	10	51.15
624926	19	200	2	81	4A	10	51.15
624927	20	200	2	96	4A	10	51.15
624928	22	220	3	134	4A	10	51.97
624965	23	220	3	132	4A	10	51.97
624929	24	220	3	130	4A	10	51.97
624964	27	240	3	151	4A	10	51.97
625022	28	240	3	154	4A	1	51.97
624938	30	275	4	293	4A	10	55.41
624915	32	275	4	286	4A	10	55.41
624916	36	275	4	279	4A	10	55.41
624956	40	275	4	275	4A	10	55.41

1617/2DPCB-US

Set de chei conice

• material: otel carbon de scule calit si revenit
• acoperire cromare in conformitate cu EN12540
• manere din doua straturi de plastic
• designul si dimensiunile sculelor noastre se adapteaza permanent la noilor standarde si noilor modele de biciclete.



UNIOR

624042	13 - 28 / 12	1F	1	616.23

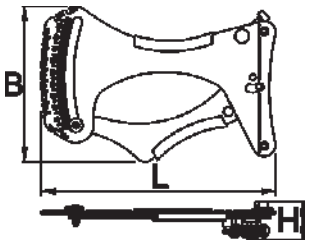
1617/2DP (13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 28)

1752/6 NOU

Dispozitiv de calibrare spite

• *dispozitiv de calibrare a grosimii spițelor - un calibru încorporat permite identificarea rapidă și ușoară a diametrului spițelor*
• *sistem unic de calibrare - fiecare instrument include o tijă de calibrare dedicată - exact cea utilizată în timpul calibrării din fabrică*
• *acest lucru permite o recalibrare rapidă și precisă în orice moment*
• *apăsați mânerul, introduceți tija de calibrare și reglați arcul instrumentului până când citirea se potrivește cu valoarea de calibrare marcată pe tijă*
• *procesul durează doar câteva secunde.*










UNIOR BIKE TOOLS

	L	B	H		
629939	205	135	37	682	000.00

1629

Rigla calibru pentru masurare rulmenti si distante intre elemente

• *acesta este usor de folosit si permite masurarea dimensiunii spitelor si rulmentilor precum si a diametrelor.*





UNIOR

	L	B		
620561	357.5	30.8	129	106.82

1690/1

Scula pentru verificarea simetriei rotii

• *material: otel de constructie, otel inox, si polipropilena*
• *forma precisa a sculei permite verificarea rotilor cu dimensiunea de la 16 la 29 de inch, cu sau fara cauciucuri montate.*

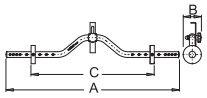
Cum sa utilizati scula:

• *scula este destinata pentru verificarea simetriei dintre cadru si geanta rotii. Prima operatie, se monteaza scula la o distanta convenabila intre cadru si geanta funtie de dimesiunea rotii*
• *se apropie partea din mijloc de cadru si partea extrema trebuie sa fie in contact cu roata*
• *se fixeaza cu un surub se se verifica si fata cealalta a rotii*
• *in acest fel ne putem convinge ca geanta rotii este centrata fata de cadru*
• *daca centrarea nu este corecta se face reglarea acesteia*



UNIOR





	C↓	C↑	A	B		
618486	320	660	667	70	850	406.00

1639/2

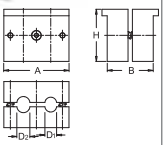
Menghina de ax

• *material: otel carbon de scule calit si revenit*
• *acoperire cromare in conformitate cu EN12540*

Cum sa utilizati scula:

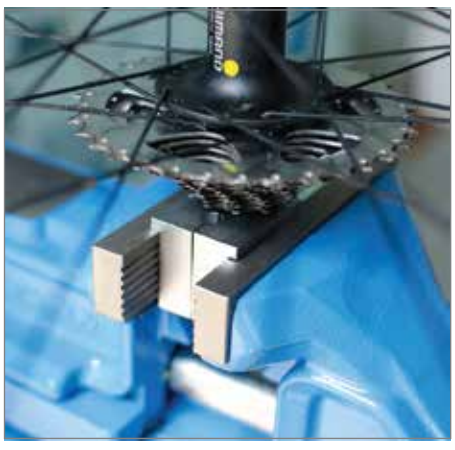
• *menghina permite utilizarea pentru doua diametre de 9 mm si 10 mm pentru introducerea axului fata si spate. Menghina este usor de utilizat. Doua arcuri interioare deschis falcile automat cand axul a fost schimbat*





UNIOR

	D1	D2	A	B	H		
619715	9	10	50	35,5	40	488	180.60

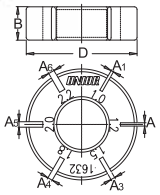


1632

Cheie pentru fixarea spitelor

• *material:poliamida*





UNIOR

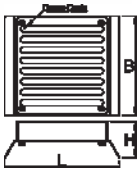
	D	B	A1	A2	A3	A4	A5	A6		
617588	40	12	1	1,2	1,5	1,8	2	2,2	22	66.29

1761 NOU

Suport nipluri

• *fabricat din otel pentru scule taiat cu laser.*
• *compatibil cu majoritatea niplurilor de spite cu o latime a corpului cuprinsa intre 3,8 mm si 5,5 mm.*
• *pozitionare grila reglabila*
• *instrument de constructie a rotilor care economiseste timp*





UNIOR

	L	B	H	D			
629543	120.5	104	38	5.5	155	1	114.10





1612/2

Cheie ax roata

- *material: otel carbon de scule calit si revenit*
- *acoperire cromare in conformitate cu EN12540*
- *cheia pentru butuc este destinata atat amatorilor cat si profesionistilor. Forma acesteia din tabla cu varf si falca de strangere pentru dimensiunile uzuale. Aceasta cheie de butuc este folosita de orice biciclist pentru reparatii rapide si lucrari de intretinere curenta a bicicletei.*





UNIOR

615125	13x14	15x17	155	2,2	69	4A	10	31.85
615126	13x14	15x16	155	2,2	69	4A	10	31.85

1612PB

Set chei ax roata

- *material: otel carbon de scule calit si revenit*
- *acoperire cromare in conformitate cu EN12540*
- *cheia pentru butuc este destinata atat amatorilor cat si profesionistilor. Forma acesteia din tabla cu varf si falca de strangere pentru dimensiunile uzuale. Aceasta cheie de butuc este folosita de orice biciclist pentru reparatii rapide si lucrari de intretinere curenta a bicicletei*



UNIOR

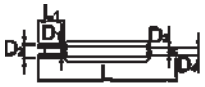
615120	2	13/14 x 15/17. 13/14 x 15/16	152	69.86

1755/2

Cheie ventil roata bicicleta

- *pentru ventile tip Schrader si Presta*
- *otel de scule forma hexagonala cu aderenta optima la actionare*





UNIOR

628912	39	1E	1	85.19

1657/2A

Set de doua leviere de cauciuc din metal

- *material: tabla de otel de calitate premium*
- *finisaj de suprafata: placare cu crom trivalent conform ISO 1456:2009*
- *levierele metalice pentru anvelope sunt folosite la roti unde montarea si demontarea anvelopelor cu leviere din plastic este dificila sau imposibila.*
- *levierele pentru anvelope Unior 1657/2A pot fi fixate in spatele spitei, cu ajutorul carligului situat la capatul levierului.*





UNIOR

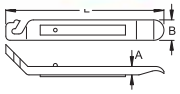
623387	2	148	1,4	20	90	1E	1	66.01

1657ORANGE NOU

Set de 2 leviere pentru anvelope, portocaliu

- *ergonomic si usor de utilizat*
- *plasticul de inalta rezistenta asigura durabilitate si previne deteriorarea jantelor*
- *ofera parghie excelenta*





UNIOR

629382	2	113	22	14	1E	1	13.65

1657ST-US

Set 27 perechi leviere de roti

- *setul de doua leviere te ajuta la schimbarea usoara a cauciucurilor.*
- *sunt executate din plastic dur si asigura lucrul fara deformarea gentii*
- *utile pentru orice mecanic profesionist sau amator*



UNIOR

626988	27	1200	308.03

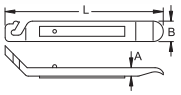
1657 RED (9x); 1657 BLACK (6x); 1657 ORANGE (9x);

1657BLACK

Set de 2 leviere pentru anvelope, negru

- *ergonomic si usor de utilizat*
- *plasticul de inalta rezistenta asigura durabilitate si previne deteriorarea jantelor*
- *ofera parghie excelenta*





UNIOR

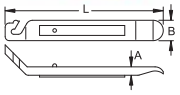
624142	2	113	22	14	1E	1	13.65

1657RED

Set de 2 leviere pentru anvelope, rosu

- *ergonomic si usor de utilizat*
- *plasticul de inalta rezistenta asigura durabilitate si previne deteriorarea jantelor*
- *ofera parghie excelenta*





UNIOR

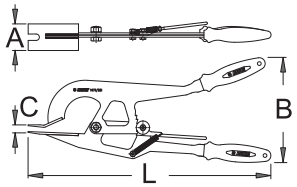
624144	2	113	22	14	1E	1	13.65

1678/2BI-US

Scula pentru cadrul bicicletei

- *material: otel carbon de scule calit si revenit*
- *maner ergonomic rezistent bimaterial*
- *finisare: cromat in conformitate cu standardul EN12540*
- *clestele pentru cadrul bicicletei este destinat schimbarii rapide a cauciucurilor la modelele mai vechi cu cadru metalic*
- *manerele lungi permit generarea unei forte suficiente pentru eliberarea de pe geanta, pemitand un spatiu suficient pentru schimbarea cauciucurilor sau camerelor pentru roti fara a fi necesara demontarea completa a rotii. Datorita arcului de blocare scula va ramane in permanenta in pozitia dorita de dumneavoastra, permitand utilizarea fara un alt ajutor*





UNIOR

624944	465	50	220	65	1405	1	626.72

1678.1/2BI-US NOU

Set piese de schimb pentru scula pentru cadrul bicicletei



UNIOR

628370	65	1	69.02

2730/4BI

Cleste taiere crampoane cauciuc bicicleta

- *conceput pentru intretinerea si modificarea cauciucurilor prevazute cu crampoane, pentru teren accidentat*
- *permite controlarea adancimii taieturii facute pentru o manevrabilitate a bicicletei apropiata de cea dorita*
- *cauciucurile standard nu confera biciclistului un control optim asupra bicicletei, necesitand personalizarea lor*
- *ingustarea cauciucului prin taierea crampoanelor laterale permite abordarea stilului de condus agresiv cu precizia trasei.*
- *taierea crampoanelor centrale permite realizarea unui stil de conducere spectaculos, cu multe derapaje controlate*
- *nu in ultimul rand, taierea regulata si uniforma a crampoanelor, restaureaza muchia lor ascutita pentru aderenta sporita.*



IN LIMITA STOCULUI

UNIOR

624835	292	1	199.18



1689

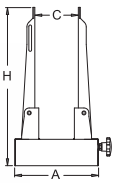
Stand de centrare pentru uz profesional

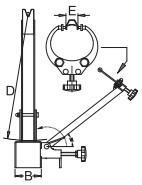
• *material otel special de scule*
• *accepta roti de la 16 la 29 inch cu sau fara cauciuc*
• *suportii butucului pana la latimea de 157 mm*
• *pentru axe ale rotii de 20 mm este nevoie de un adaptor suplimentar*
• *acest stand este destinat in special pentru profesionist si este conceput pentru atelierele de reparatii.Poate fi montat pe bancul de lucru sau prins in menghina.*
• *calibrul asigura controlul simultan al rotii pe ambele fete cu posibilitatea suplimentara de a controla simetria radiala in raport cu butucul*
• *geometria calibrului de reglare asigura un control axial simultan pentru acuratetea reglarii rotii*
• *calibrul are o protectie de plastic pe varfuri pentru a preveni lasarea de urme pe roata.*
• *bratul din dreapta sus poate fi reglat cu un buton rotativ si fixat axul cu acesta; bratul calibrului poate fi reglat pe raza rotii iar varful calibrului se regleaza pentru a palpa geanta*
• *cand se schimba roata, arcul actioneaza pe bratul drept al calibrului si aceasta este retras dand posibilitatea de introducere a unei alte roti pentru centrare. Se asigura reglarea rapida a mai multor roti de aceiasi dimensiune.*
• *controlul discului de frana poate fi facuta cu un calibru suplimentar introdus in canalul bratului drept.*
• *gaurile aditionale sunt utile pentru depozitarea tuturor celor trei dimensiuni de inserturi 1689.3 (12, 15 si 20 mm)*
• *piulitele suplimentare din partea inferioara a standului asigura strangerea acestuia de bancul de lucru*

Important

• *1689 stand profesional de centrare, bratul standului se poate descentra dupa ce a fost utilizat frecvent. Controlul bratul etrier ne permite, calibrarea bratului inapoi, la pozitia de centru.*











UNIOR

	DT	CL	CT	EL	ET	A	B				
629297	385	40	206	24	80	282	80	7300	1G	1	2145.25

1688

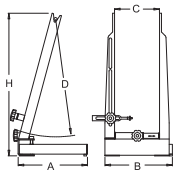
Stand de centrare roti - pentru pasionatii de biciclete

• *material otel special de scule*
• *este posibila fixarea rotilor cu dimensiuni de la 16 la 29 inch cu sau fara cauciuc.*
• *suportii butucului pana la latimea de 157 mm*
• *standul este destinat interventiilor ocazionale.Este foarte usor de utilizat, greutate usoara (2,3 kg) si nu necesita un spatiu special.Partea din stanga este fixata pe suport in timp ce partea dreapta este mobila functie de diferitele lungimi ale axului rotii.*

Cum sa utilizati scula:

• *standul poate fi pliat prin rabaterea piciorului spre cadru.*
• *de asemenea standul poate fi fixat pe bancul de lucru cu suruburi, fapt ce-i confera mai mare stabilitate*
• *senzorul de centrare este situat pe o singura parte ceea ce inseamna ca se face centrarea pe o parte dupa care se intoarce roata si se centreaza pe cealalta parte.*
• *ca o functie suplimentara se poate face o verificare si a pinioanelor dintate.*





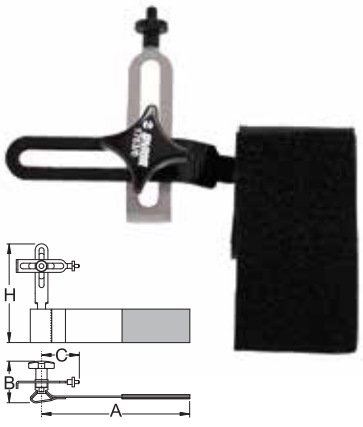
UNIOR

	DT	CL	CT	A	B	H				
623060	760	90	172	218	217	463	2300	1G	1	713.51

1753/6

Scule de buzunar de centrat roti

• *Fie ca sinteti utilizatori casnici, mecanic de echipa de ciclism, calator sau simplu ciclist, puteti scula de centrare roti peste tot. Cu ajutorul unei benzi velcro, scula poate fi montata pe furca sau pe suportul seii oricarei biciclete.*
• *Indicatorul este apoi folosit normal, ca pe orice alt centrator de roti. Scula poate fi de asemeni folosita la centrarea rotoarelor.*
• *Scula de buzunar pentru centrat roti 1753/6, usoara si foarte compacta, poate fi pusa usor in orice rucsac mic*







UNIOR

	A	B	C	H				
623310	185	52	25 - 67	125	84	1E	1	146.16

1689.7

Etriere pentru biciclete Fat pentru standuri de verificare

• *etrierele pentru biciclete Fat sunt compatibile cu suportul profesional Unior 1689.*
• *etrierele suporta reglarea jantelor de la 50 - 100 mm latime cu anvelope de pana la 5,0 latime.*



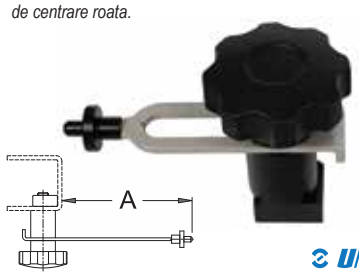
IN LIMITA STOCULUI

626456	101	59.78

1689.2

Compas grosime frane pentru 1689

• *aceasta permite verificarea reala a discurilor de frana*
• *etrierul de frana este folosit la art 1689 stand profesional de centrare roata.*

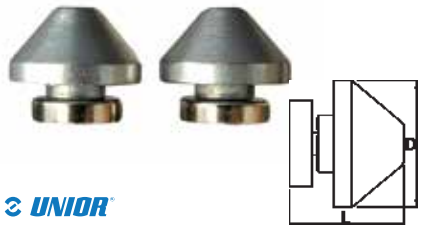


A			
622603	61	45	121.59

1689.3 NOU

Adaptor pentru ax de roti de 12, 15, 20 mm

• *adaptor pentru reglarea rotii cu 20 mm ax butuc*



			D	L		
629321	12, 15, 20	2	22	20	57	119.67

1689.6

Adaptor Cannondale Lefty® pentru stand de centrare

• *adaptorul Unior 1689.6 Lefty este folosit pentru centrat roti fata Cannondale Lefty®, care au o forma si dimensiuni asimetrice specifice si, prin urmare, nu pot fi utilizate pe standul de centrare cu adaptoare standard.*

Compatibil cu:
• *Lefty 50 – butuc standard*
• *Lefty 60 – butuc Supermax*

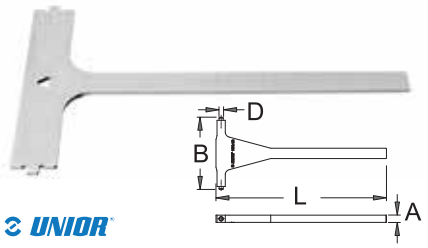


623450	80	140.56

1689.1 NOU

Brat compas de grosime pentru 1689

• *dispozitivul de calibrare permite calibrarea standului de centrat Pro si asigurarea alinierii corecte intre brate si calibru.*
• *pentru rezultate optime, alegeti dispozitivul de calibrare corespunzator modelului de stand utilizat.*
• *pentru Pro truing stand V1, cu finisaj negru si cromat, alegeti dispozitivul de calibrare cod 629229.*
• *pentru Pro truing stand V2, cu finisaj negru, alegeti dispozitivul de calibrare cod 629288.*





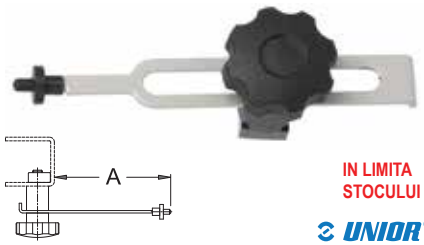



	D	B	L	A		
629229	8	170	270	3	230	268.03
629288	8	190	270	3	243	268.03

1688.2

Etrier de frana pentru 1688

• *piesa de schimb pentru 1688 stand de centrare roata*



IN LIMITA STOCULUI

A		
621616	96	80	115.01

1689.5

Varf interschimbabil pentru calibru de masura

• *Varf de rezerva din plastic pentru calibrele 1688.2, 1689.2, 1689.4, compatibil cu standurile 1689 si 1688.*



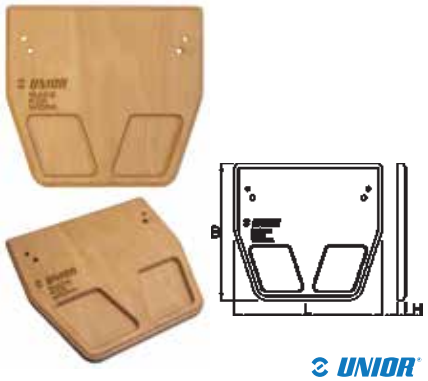
623256	10	10.16

1689.9 NOU

Baza din lemn pentru standul de centrat Pro

• *compatibil cu standul de centrat Pro, atat versiunea V1 (623059), cat si V2 (629297)*
• *previne zgarierea blatului din lemn sau inox al bancului de lucru*
• *fabricat din placaj de fag, cu margini rotunjite*
• *gauri predate pentru montarea standului de centrat, suruburile de prindere sunt incluse*
• *doua tavi utile pentru depozitarea unor unelte precum cheile de spite*
• *igla Unior Made For Work pirogravata in lemn*





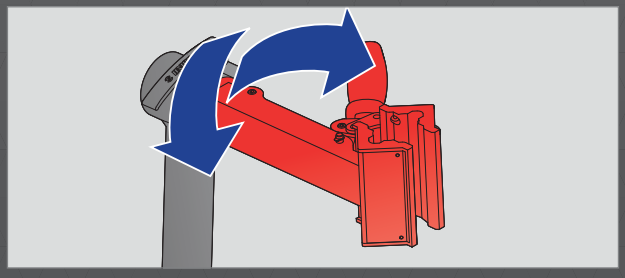
	L	B	H		
629368	328	300	10	1233	717.70



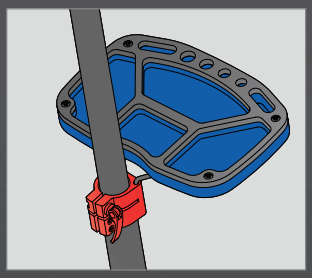
BIKE GATOR

Bike Gator ! Noua generatie de suporti velo UNIOR (1693AS)
Suportul poseda o noua paleta de piese de aluminiu si otel de precizie, care ofera rigiditate si durabilitate

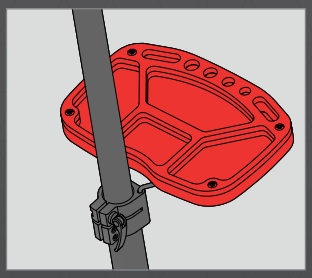




NOU sistem de fixare si de rotatie a falcii



sistem de culisare imbunatatit



Tava noua de scule din metal, cu insertie de spuma SOS intersanjabila

1693AS0-US

Stand reparare biciclete reglare manuala BikeGator

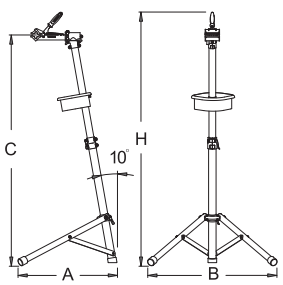
Bike Gator ! Noua generatie de suporti velo UNIOR (1693AS)

- *standul pentru repararea bicicletei este scula de baza pentru service-uri si amatorii pasionati*
- *este usor de asamblat iar tuburile suport se pot plia asfel incat mutarea locului de lucru se face usor*
- *capacitatea maxima de incarcare este de 30 kg*
- *standul este compatibil cu tuburi de diametru de min. Ø24 mm si max. Ø32 mm*
- *greutatea standului este de 5.7 kg*
- *falci de cauciuc interschimbabile Art. 1693.11*

Avantaje:

- *suportul poseda o noua paleta de piese de aluminiu si otel de precizie, care ofera rigiditate si durabilitate*
- *NOU sistem de fixare si de rotatie a falcii*
- *sistem de culisare imbunatatit*
- *standul este reglabil cu inaltimea cuprinsa intre 980 si 1500 mm*





UNIOR

	C↓	C↑	B	A	H↑				
625148	980	1550	870	665	1680	6400	1F	1	2371.97

1693AQ0

Stand reparare biciclete cu eliberare rapida BikeGator

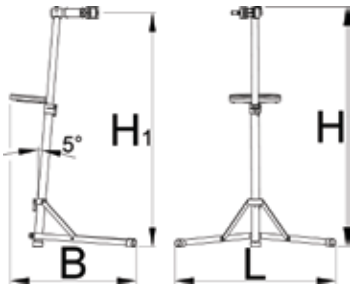
Bike Gator ! Noua generatie de suporti velo UNIOR (1693AS)

- *Standul pentru repararea bicicletei este scula de baza pentru service-uri si amatorii pasionati*
- *Este usor de asamblat iar tuburile suport se pot plia asfel incat mutarea locului de lucru se face usor*
- *Capacitatea maxima de incarcare este de 30 kg*
- *Standul este compatibil cu tuburi de diametru de min. Ø22 mm si max. Ø60 mm*
- *greutatea standului este de 5.7 kg*
- *falci de cauciuc interschimbabile Art. 1693.11*

Avantaje:

- *Suportul poseda o noua paleta de piese de aluminiu si otel de precizie, care ofera rigiditate si durabilitate*
- *NOU sistem de fixare si de rotatie a falcii*
- *sistem de culisare imbunatatit*
- *standul este reglabil cu inaltimea cuprinsa intre 980 si 1500 mm*





UNIOR

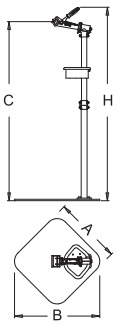
	H1 min	H1 max	B	A	H				
627768	980	1500	870	665	1680	6400	1F	1	2678.13

1693B-US

Stand pentru repararea bicicletei cu placa fixa

- *standul pentru repararea bicicletei cu placa fixa este produs pentru service-uri si utilizarea de zi cu zi*
- *placa fixa este ergonomica. Capacitatea maxima de incarcare este de 30 kg, ceea ce permite servisarea bicicletelor mai grele folosite la downhill.*
- *standul este compatibil cu tuburi de diametru de min. Ø24 mm si max. Ø32 mm*
- *greutatea standului este de 36 kg*
- *falci de cauciuc interschimbabile Art. 1693.11*
- *standul de reparatii 1693B1 este destinat pentru montarea acestuia pe podea sau pe un suport*





UNIOR

	C	C	B	A	H				
625011	985	1570	726	572	1700	36800	1G	1	4506.23

1693BAG

Sac pentru stand de biciclete BikeGator

- *Aceasta geanta robusta, de fabricatie de inalta calitate, este conceputa pentru transportul si protectia standului BikeGator 1693A*
- *Poseda curele pentru umar sau mana, doua compartimente pentru transportul separat al structurii suportului si al menghinei / suport de scule*
- *Util pentru transportul in avion, in masina sau pur sii simplu pentru depozitare in atelier*

IN LIMITA STOCULUI



UNIOR

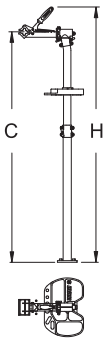
624035	1V	1	209.23

1693B1-US

Stand cu o falca cu arc si fara farfurie plata

- *Stand pentru reparare biciclete destinat atelierelor de service si utilizatorilor de zi cu zi.*
- *Standul este compatibil cu tuburi de diametru de min. Ø24 mm si max. Ø32 mm*
- *falci de cauciuc interschimbabile Art. 1693.11*
- *Standul de reparatii 1693B1 este destinat pentru montarea acestuia pe podea sau pe un suport*





UNIOR

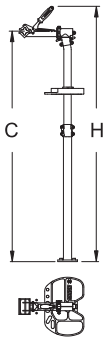
625012	985	1570	1570	6800	1F	1	2108.36

1693BS1-US

Stand cu o falca cu piulita reglabila si fara farfurie plata

- *Stand pentru reparare biciclete destinat atelierelor de service si utilizatorilor de zi cu zi.*
- *Standul este compatibil cu tuburi de diametru de min. Ø24 mm si max. Ø40 mm*
- *falci de cauciuc interschimbabile Art. 1693.11*
- *Standul de reparatii 1693B1 este destinat pentru montarea acestuia pe podea sau pe un suport*





UNIOR

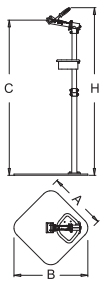
625014	985	1570	1700	6800	1F	1	2104.10

1693BS-US

Stand cu farfurie plata si falca cu piulita reglabila

- *Standul pentru repararea bicicletei cu placa fixa este produs pentru service-uri si utilizarea de zi cu zi*
- *Placa fixa este ergonomica. Capacitatea maxima de incarcare este de 30 kg, ceea ce permite servisarea bicicletelor mai grele folosite la downhill.*
- *Standul este compatibil cu tuburi de diametru de min. Ø24 mm si max. Ø40 mm*
- *greutatea standului este de 36 kg*
- *falci de cauciuc interschimbabile Art. 1693.11*





UNIOR

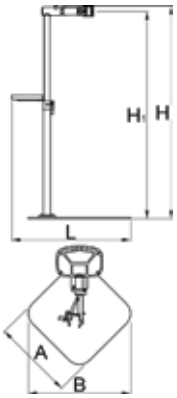
625013	985	1570	726	572	1700	38800	1F	1	4552.79

1693BQ

Stand de reparatii Pro cu manghina simpla, eliberare rapida

- *stand pentru reparare biciclete destinat atelierelor de service si utilizatorilor de zi cu zi*
- *placa fixa este proiectata ergonomic. Capacitatea maxima de incarcare este de 30 kg, ceea ce permite intretinerea bicicletelor mai grele*
- *standul este compatibil cu tuburi de diametru de min. Ø22 mm si max. Ø60 mm*
- *suportul este reglabil cu inaltimea cuprinsa intre 947 si 1570 mm.*
- *greutatea suportului este de 36 kg*
- *falci de cauciuc inlocuibile, articol 1693.11*
- *suportul de reparatii pentru biciclete 1693B1 si 1693BS1 este conceput pentru montarea pe podea sau tavan.*





UNIOR

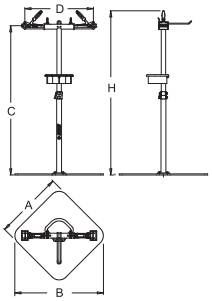
627769	985	1570	1700	38600	1F	1	4998.28

1693CS-US

Stand cu farfurie plata si doua falci, piulita reglabila

- *standul de reparatii biciclete cu placa fixa si doua falci este conceput pentru atelierele de service si pentru clientii mai pretentiosi*
- *standul permite lucrul a doi mecanici la doua biciclete in acelasi timp*
- *farfuria de plastic asigura aranjarea si accesul usor la scule si la piesele demontate.*
- *partea plata are un design ergonomic. Incarcarea max.45 de kg care permite service pentru bicicletele foarte grele.*
- *greutatea standului este de 56,5kg.*
- *accesorii aditionale-suport de hartie*
- *standul este compatibil cu tuburi de diametru de min. Ø24 mm si max. Ø40 mm*
- *falci de cauciuc interschimbabile Art. 1693.11*





UNIOR

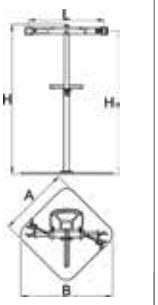
	H	D	C↓	C↑	A	B				
625017	1680	704	985	1570	700	905	56500	1F	1	**6480.49**

1693CQ

Stand pentru reparare biciclete cu doua falci eliberare rapida, cu placa

- *suportul de reparatii pentru biciclete cu placa fixa si doua cleme este conceput pentru ateliere de service si utilizatori mai exigenti*
- *standul permite lucrul a doi mecanici in acelasi timp pe doua biciclete.*
- *noua tava de plastic permite depozitarea sculelor si a pieselor de schimb.*
- *placa fixa este proiectata ergonomic. Capacitatea maxima de incarcare este de 45 kg, ceea ce permite deservirea bicicletelor mai grele.*
- *suportul este reglabil cu inaltimea cuprinsa intre 947 si 1570 mm.*
- *greutatea suportului este de 56,5 kg.*
- *accesorii suplimentare - suport pentru role de hartie.*
- *falca poate prinde tuburi de orice forma, cu diametrul de minim Ø22mm pana la Ø60mm maxim.*
- *tampoane de cauciuc inlocuibile, articol 1693.11*
- *suportului 1693C1, 1693CS1 din 1693CS2 este conceput pentru montarea pe podea sau tavan.*





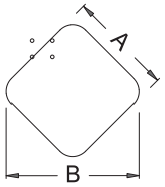
UNIOR

	H1 min	H1 max	B	A	H↑				
627771	985	1570	905	700	1680	62000	1F	1	**7371.63**

1693.4B

Placa fixa pentru 1693B





UNIOR

	B	A				
623231	726	572	30000	1K	1	**2690.03**

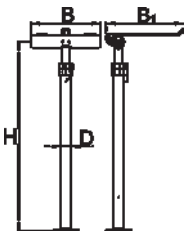


1693.5C

Cadru pentru suport de reparare cu falca dubla, fara menghine si placa

- *construiti-va propriul suport de reparatii pentru biciclete cu 2 menghine. Puteti alege intre 3 menghine diferite (1693.1, 1693.1S, 1693.1Q), puteti adauga o placa fixa la cadru (1693.4C) sau pur si simplu fixati cadrul in podea.*



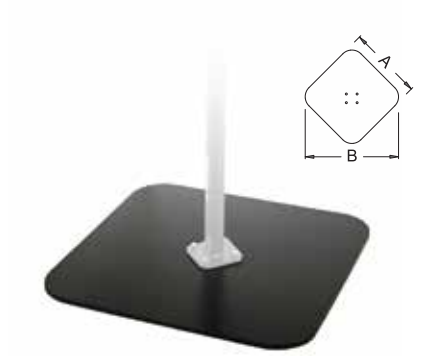


UNIOR

623249	8000	1F	1	**1747.05**

1693.4C

Placa fixa pentru 1693C



UNIOR

	B	A		
623232	905	700	45000	3482.36

1693.1-US

Falca menghina mobila pentru 1693A si 1639B

- *falca este compatibila cu tuburi de diametru de min. Ø24 mm si max. Ø32 mm*



UNIOR

	D↓	D↑	B	H	L		
629233	24	32	50	185	298	3000	656.07

1693.1S-US

Falca cu piulita reglabila pentru 1693

- *standul este compatibil cu tuburi de diametru de min. Ø24 mm si max. Ø40 mm*
- *accesul simplu la surub asigura reglarea falcilor si a presiunii de strangere. Surubul poate fi actionat cu mana fara a folosi o cheie.*



UNIOR

	D↓	D↑	B	H	L		
629232	24	40	50	185	298	1850	651.97

1693.1Q

Falca Pro Clamp

- *Pro Shop Clamp este oferta de ultima generatie a Unior pentru magazinele de biciclete. Dispune de un sistem avansat de eliberare rapida care permite lucrul rapid si eficient pe orice bicicleta*
- *sistemul de eliberare rapida permite mecanicului sa apese falcile cu mana, moment in care clema prinde deja tija scaunului unui cadru cu suficienta forta pentru a tine bicicleta in pozitie.*
- *rotiti manerul si se aplica tensiune suplimentara pe falci pentru a asigura o aderenta ferma*
- *clema poate prinde tuburi de orice forma, cu diametrul de minim Ø22 mm la maxim Ø60 mm*
- *clema Pro Shop are un buton de eliberare rapida, care este utilizat pentru a elibera falcile dupa eliberarea initiala a tensiunii cu manerul rotativ.*
- *inaltimea falcilor este de 70 mm*
- *clema este compatibila cu toate standurile de reparatii Unior.*



UNIOR

	D↓	D↑	B	H	L		
627095	22	60	70	195	300	1730	1059.38

1693.2Q

Falca Pro Clamp cu suport banc sau perete

- *optiune de montare pe banc sau pe perete*
- *destinat atelierelor profesionale si de acasa.*
- *clema poate prinde tuburi de orice forma, cu diametrul de minim Ø22 mm la maxim Ø60 mm*
- *surubul usor accesibil ne permite sa modificam deschiderea si presiunea falcilor atunci cand sunt inchise. Surubul poate fi rotit cu mana, fara utilizarea unei chei*



UNIOR

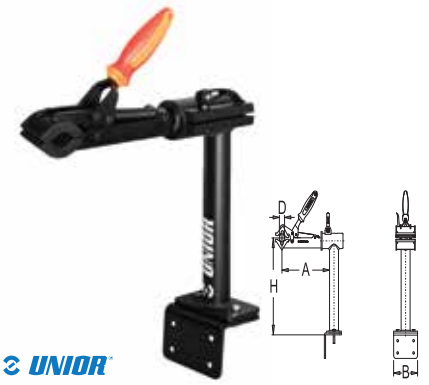
	B	A	H		
627773	120	239	313	4330	1807.87



1693.2-US

Falci pentru menghina de banc si perete

- *optiune de montare pe un banc sau pe perete*
- *destinat profesionistilor si pasionatilor de biciclete*
- *standul este compatibil cu tuburi de diametru de min. Ø24 mm si max. Ø32 mm*



UNIOR

	D↓	D↑	B	A	H		
625020	24	32	120	239	313	4280	1467.05

1693.2S-US

Falca reglabila pentru montaj de perete sau pe banc

- *optiune de montare pe un banc sau pe perete*
- *destinat profesionistilor si pasionatilor de biciclete*
- *standul este compatibil cu tuburi de diametru de min. Ø24 mm si max. Ø40 mm*
- *surubul de reglare accesibil permite modificarea deschiderii falcilor si forta de inchidere.Surubul poate fi reglat cu mana fara a folosi o cheie.*



UNIOR

	D↓	D↑	B	A	H		
625021	24	38	120	239	313	4280	1447.21

1693.11

Falci de schimb de cauciuc pentru 1693.1

IN LIMITA STOCULUI



UNIOR

	A	B	C		
621961	96,5	66	35	168	121.10
627266	70	66	35	125	46.48

1693EL

Stand electric pentru reparat biciclete 2.0 cu placa fixa 1693EL.1

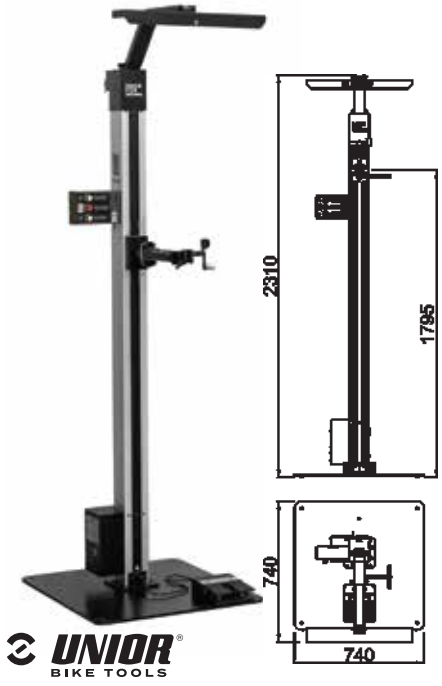
• construit in jurul unei coloane robuste din aluminiu, suportul electric de reparatii Unior ofera o stabilitate de neegalat, in timp ce ascunde toate cablurile in interior, asigurand un spatiu de lucru curat si eficient pentru intretinerea bicicletelor. Acesta ridica cu usurinta bicicletele de pana la 70 kg la inaltimea dorita, garantand conditii ergonomice optime pentru fiecare tehnician si fiecare sarcina de reparatie. Ajustarea continua a inaltimii face ca ridicarea sau coborarea bicicletei cu o simpla apasare de buton sa fie usoara, in timp ce sistemul de oprire automata asigura pozitonarea precisa. Cu limitatoare de deplasare reglabile prin buton, utilizatorii pot personaliza intervalul standului, in timp ce mecanismul de siguranta integrat protejeaza atat tehnicianul, cat si bicicleta. Cu ajutorul sistemului versatil de control bidirectional, tehnicianul poate alege intre operarea standului prin panoul de control sau pedala de picior, in functie de preferintele si nevoile individuale. In plus, o lumina LED ajustabila integrata asigura iluminare constanta, indiferent de conditiile de iluminare ale mediului. Construit pentru a rezista, suportul de reparatii electric Unior este proiectat pentru durabilitate, necesitand intretinere minima si oferind o operare fara probleme pentru multi ani de acum inainte. Proiectat pentru a fi complet reparabil de utilizator, fiind sustinut cu piese de schimb disponibile si instructiuni de reparare.

Caracteristici:

• cablu principal de alimentare cu energie electrica discret rutat de la partea superioara, eliminand obstructiile in spatiul de lucru.
• cablu ascuns pentru un aspect elegant si profesional.
• ajustare continua a inaltimii pentru o versatilitate de neegalat.
• operabil prin panoul de control intuitiv sau pedala de picior convenabila.
• sistem de oprire automata cu functie de descarcare pentru o siguranta sporita.
• limitatoare de deplasare ajustabile controlate de un buton pe panou, cu functie de memorie pentru mai mult confort.
• afisaj al incarcaturii curente pentru performanta optima.
• doua porturi USB (A si C) pentru incarcarea dispozitivelor si optiune de conectivitate Wi-Fi.
• functie de auto-diagnosticare.
• interfata de clema antiderapanta care asigura o pozitionare sigura a bicicletei.
• echipat cu clema de reparatie Master shop 1693.1M.
• lumina LED integrata ofera iluminare optima in orice mediu.
• coloana principala din aluminiu.
• se monteaza usor direct pe podea sau pe o placa metalica fixa de mare rezistenta.
• placa mare fixa, de mare rezistenta, cu functie de nivelare pe podea.
• montaj minim necesar. Standul trebuie fixat pe podea sau pe placa, iar panoul de control trebuie atasat.

Specificatii tehnice:

• capacitate de incarcare: 700N (70kg)
• inaltimea maxima: 1750 mm
• cerinte de putere: 0,32 kW
• tensiune de operare: 24V DC
• intrare: 90V-260V; 47-63 Hz
• viteza de miscare: 5 m/min
• clasa de protectie: IP30 – utilizare in interior
• conformitate CE



UNIOR BIKE TOOLS

	L	B	H		
629760	740	740	1795	98000	**25393.44**







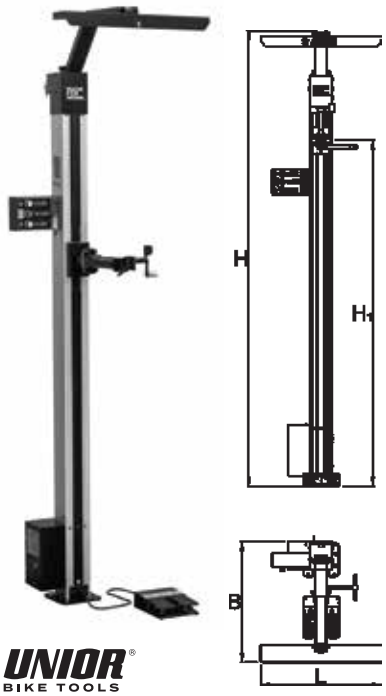




1693EL1

Stand electric pentru reparat biciclete 2.0 fara placa fixa 1693EL.1

• aceeleasi caracteristici ca si articolul 1693EL



UNIOR BIKE TOOLS

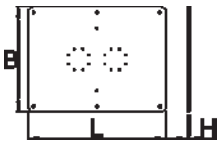
	L	B	H	$H1_{max}$	$H1_{min}$		
629761	361	324	2074	1795	240	45000	**21295.08**

1693EL.22

Placa de fixare pentru doua standuri electrice pentru reparat biciclete

• atasati in siguranta doua suporturi electrice de reparatii pe o singura placa.
• designul care economiseste spatiu combina doua statii de lucru intr-o amprenta compacta.
• functia de nivelare a podelei asigura stabilitate pe suprafete neuniforme.
• pentru a finaliza constructia, combinati placa fixa pentru doua standuri de reparatii electrice cu Standuri de reparatii electrice 2.0 (SKU 629761).
• compatibil cu Standul de reparatii electric 1.0 si Standul de reparatii electric 2.0.





UNIOR BIKE TOOLS

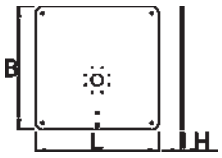
	L	B	H		
629855	976	740	12	68400	**6147.54**

YouTube

1693EL.1

Placa fixa pentru 1693EL





UNIOR

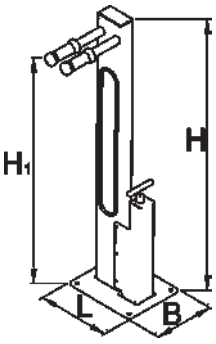
	L	B	H				
628743	740	740	20	52000	1K	1	3934.26

1693ES

Stand pentru reparare biciclete Fix it yourself cu pompa din otel inoxidabil

• standul de reparatii pentru biciclete fix-it-yourself este utilizat in locuri publice: de-a lungul traseelor de biciclete, parcurilor de biciclete, campingurilor, in fata hotelurilor, centrul orasului si a altor destinatii turistice, deosebit de populare printre biciclisti.
standurile sunt echipate cu scule pentru reparatii de baza si o pompa de otel specifica pentru exterior de inalta calitate. Pe suport, putet gasi o cheie reglabila, unealta cu lant, unealta Schrader & Presta, un set de chei hexagonale (2,5 - 8), cheie spite 3.3, 3.45 si DT, chei TX 10, 25, PH si surubelnita plana, chei de dimensiuni 13, 14, 15, 17 si set de parghii pentru anvelope.
• bicicleta poate fi agatata pe suporturi special concepute, protejate cu cauciuc.
• toate instrumentele sunt atasate la un fir puternic si, atunci cand nu sunt utilizate, sunt pastrate cu grija in cadrul suportului.
• suportul trebuie sa fie insurubat la sol; suruburile nu sunt incluse





UNIOR

	H1	H	L	B				
628425	1400	1500	400	330	23200	1F	1	16469.81



1693ES

Pompa exterior din otel inoxidabil pentru standurile 1693E si 1693ES

• pompa este destinata utilizarii in exterior pe standurile 1693E si 1693ES si functioneaza pe toate versiunile standurilor.
• carcasa este din aluminiu
• manerul si tubul cartusului sunt fabricate din otel inoxidabil.
• manere de cauciuc
• manometrul creste pana la 10 bar - umplut cu silicon lichid si fabricat din otel inoxidabil
• SKS Cap multivalva







UNIOR

629021	1800	1F	1	4915.82

1693R.2

Adaptor ax pentru 1693R

• adaptorul axial este compatibil cu standurile din seria 1693R.
• permite fixarea bicicletelor cu axele de 12 mm sau 15 mm
• pentru a monta bicicleta pe adaptor, pur și simplu scoateti roata din bicicleta și instalati bicicleta prin ax inapoi in furca sau cadru; adaptorul fixeaza apoi axul traversant și fixeaza bicicleta in pozitie



UNIOR

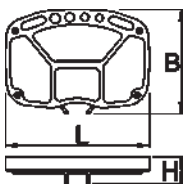
628710	476	1K	1	543.69

1693.3

Suport SOS pentru 1693

- *Noul modul de aranjare scule 1693.3 este fabricat din tabla de otel subtire si rezistenta, cu doua sine si un modul de spuma SOS*
- *Modulul de spuma este intersanjabil, cod 1693.6*
- *Modulul de aranjare se potriveste in noua generatie de suport 1693*
- *Verificati compatibilitatea cu distribuitorul local.*





UNIOR

623820	822	1K	1	280.98

1693.6

Modul SOS de schimb pentru modulul de organizare art. 1693.3

• *Modul SOS de schimb pentru modulul de organizare 1693.3*



UNIOR

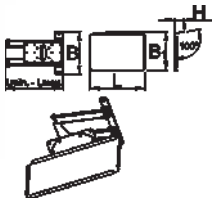
623821	27	1V	1	43.47

1693EL.2

Suport pentru laptop cu brat pliabil pentru 1693EL

• *suportul pliabil pentru laptop se monteaza pe coloana standului electric de reparatii Unior si asigura amplasarea optima pentru laptop. Configurarea va face munca mai confortabila si mai productiva, deoarece computerul va fi exact acolo unde aveti nevoie si nu va trebui sa va intoarceti la bancul de lucru pentru a-l accesa. Tava este suficient de mare pentru a suporta laptopuri pana la dimensiunea 15˝ si se poate roti cu 90 de grade la stsnga sau la dreapta. Bratul pliabil are o lungime de 500 mm si permite sa trageti laptopul peste bicicleta, mai aproape de dvs. sau sa il mutati din zona de lucru cand nu este utilizat.*





UNIOR

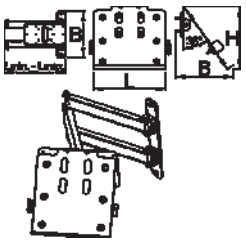
	L	B	B1	H	Lmin				
629025	405	215	291	75	284	476	1K	1	682.99

1693EL.4

Suport pentru tableta cu brat pliabil pentru 1693EL

• *suportul pentru tableta pliabil se fixeaza pe coloana standului electric de reparatii electrice Unior si asigura amplasarea optima pentru tableta. Configurarea va face munca mai confortabila si mai productiva, deoarece tableta va fi exact acolo unde aveti nevoie si nu va trebui sa va intoarceti la bancul de lucru pentru a o accesa. Suportul are cauciuc protector la suprafata pentru a preveni zgarierea tabletei și brat reglabil pentru a sustine tablete cu latimea de la 210 mm la 340 mm. Suportul se monteaza sub un unghi de 67° pentru o glisare mai usoara si o vizualizare mai buna si poate fi rotit cu 90° la stanga sau la dreapta. Bratul pliabil are o lungime de 500 mm si permite sa trageti suportul peste bicicleta daca este necesar sau sa il mutati din zona de lucru cand nu este utilizat*





UNIOR

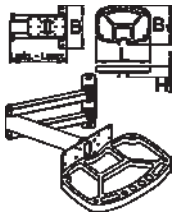
	L	B	B1	H	Lmin				
629027	500	215	65	174	284	476	1K	1	686.21

1693EL.5

Tava pentru scule cu brat pliabil pentru 1693EL

• *tava de scule pliabila se monteaza pe coloana standului electric de reparatii Unior si asigura amplasarea optima a tavii de scule. Tava va fi chiar acolo unde aveti nevoie de ea, oferind o amplasare perfecta pentru scule si piese mici, crescand astfel productivitatea muncii, deoarece nu va trebui sa va rotiti la bancul de lucru. Tava pentru scule se poate roti cu 90 de grade la stanga sau la dreapta. Bratul pliabil are o lungime de 500 mm si permite sa trageti tava de scule peste bicicleta daca este necesar sau sa o mutati din zona de lucru cand nu este utilizata. Tava pentru scule este fabricata din placa metalica subtiire si tava din spuma SOS, cu spatiu pentru a atarna diferite instrumente si compartimente deschise pentru depozitare.*





UNIOR

	L	L1	B	H				
629028	363.5	238	237	65	1259	1K	1	605.01

1693EL.8

Suport prosoape de hartie cu montare pe cadru pentru 1693EL

• *suportul de prosoape de hartie se monteaza pe coloana standului electric de reparatii Unior si asigura amplasarea optima pentru acesta. Configurarea va face munca mai confortabila si mai productiva, deoarece prosopul de hartie va fi chiar acolo unde aveti nevoie si nu va trebui sa va intoarceti la bancul de lucru pentru a-l accesa*





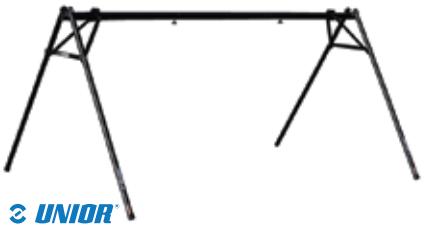
UNIOR

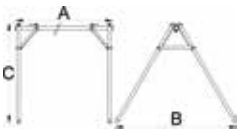
	L	L1	B				
629031	382	260	74	710	1K	1	146.37

1693F

Stand pentru evenimente

• *standul pentru evenimente va ajuta sa stocati pana la 10 biciclete langa sa. Util la curse si evenimente in aer liber, precum si pentru depozitarea in interior.*
• *standul pentru evenimente poate fi utilizat in versiunea lunga sau scurta: lungimea zonei utile de sustinere a bicicletei in versiunea lunga este de 2090 mm si in versiunea scurta 1260 mm. Lungimea este usor reglabila cu un tub de conectare.*
• *standul se livreaza intr-o punga compacta care stocheaza toate piesele in siguranta si este usor de transportat.*
• *standul este fabricat din piese din aluminiu si cantareste doar 7,5 kg in versiunea mai lunga*





UNIOR

	L	B	H				
625500	1820-2630	1452	185	8200	1K	1	3748.36



TRAN.1693F

Banner pentru standul de evenimente 1693F, set 2 bucati

• *bannerul este realizat din panza durabila si este atasat la cadrul A al suportului pentru evenimente cu legaturi cu fermoar prin intermediul unor garnituri metalice*



UNIOR

627083	714	2571.48

1693H

Stand de sustinere, reglabil

• *nu va faceti probleme cu asezarea bicicletei, lasati-o in garaj, asezati-o pe podea sau afisati-o in camera de zi. Orice bicicleta, oriunde. Suportul de podea reglabil Unior este potrivit pentru orice, de la biciclete pentru copii pana la utilizatrori mari de peste 29 de ani. Partea superioara este reglabila pe inaltime (pentru 123 mm) si unghi, in timp ce stratul de cauciuc va protejeaza cadrul impotriva zgarieturilor. Slotul este suficient de larg pentru a se potrivi tuturor dimensiunilor populare ale puntii spate.*
• *standul este fabricat din otel inoxidabil si ofera o stabilitate excelenta, indiferent de greutatea bicicletei. Baza suportului este echipata cu insertii din cauciuc de inalta calitate car impiedica miscarea si protejeaza suprafata podelei. Finisajul negru garanteaza compatibilitatea cu orice stil de magazin, birou sau casa*



UNIOR

	A	B	Cmin	C max	Hmin	Hmax	
626542	252	200	267	390	284	407	287.00

1684

Suport de bicicleta

• *Greutate suportata: 50 lb sau 22,5 kg.*

Cum sa utilizati scula:

• *Suportul de bicicleta este un dispozitiv simplu ce permite agatarea bicicletei. Sistemul este fixat de perete. Ansamblul de agatare este fixat de perete. Bicicleta poate di ridicata sau coborata folosind o franghie.*



UNIOR

618371	1675	153.30

1600PROKIT-US

Set de scule de bicicleta 1600PROKIT in valiza

• *valiza setului Pro Kit este lumea reala proiectata si testata pentru mecanica profesionala pe cele mai dure curse din lume.*
• *Bine gandit, panourile de scule extrem de durabile organizeaza si tin sculele in locurile lor. Buzunarele sunt proiectate pe dimensiunea sculelor noastre. De asemenea, dispune de cateva buzunare suplimentare lasandu-va spatiu pentru a personaliza Kit-ul.*
• *Dupa proiectarea carcasei setului pentru Pro Kit, ne-am asezat cu echipa noastra de mecanici si cu atentie am selectat un set de scule pe care mecanicii exigenti de biciclete o vor aprecia. Am ales 48 de repere din sculele noastre, care sunt o potrivire perfecta pentru un set portabil, magazin, acasa sau mecanica de echipa.*
Numarul de piese in set: 49



UNIOR

627358	46	5123.28

110/1 (6 x 7, 8 x 9, 10 x 11, 13 x 15, 17 x 19); **1342** (160); **1609/2BI-US; 1644/4; 1647/2ABI-US; 1666/2DP-US** (2,2); **1670.7/4; 1670.9/4; 1670/2BI-US** (11/12); **1750/2DP-US; 183/2** (8 x 10); **190.8/2BI-US** (1/2"); **193HX-US** (2, 2,5, 3, 4, 5, 6, 8, 10); **193TX-US** (TX 10, TX 25); **220/3** (1.5, 2, 2.5); **220/3S** (3, 4, 5); **250/1** (200); **271** (0 - 150); **406/1VDEBI** (180); **461/1VDEBI** (160); **536PLUS/1DP-US** (140x8 - 13); **584/4BI-US** (180); **603VDETBI** (0.5x3.0x100, 1.0x5.5x125); **613VDETBI** (PH1x80); **639C** (165); **710R-US** (3 m); **763HB-US** (200); **819A-US** (45); **970PROKIT** (464x366x176); **KAT.BIKEBOOK1** (EN)

1600HOMEKIT

Trusa de scule 33 piese

• *trusă compactă de scule cu selecție inteligentă și spațiu suplimentar pentru personalizare.*
• *Home Kit este setul perfect pentru începători, pe care îl poți completa treptat cu scule adaptate nevoilor tale, pentru a-ți construi o trusă de vis în atelierul de acasă. Cele 38 de scule Unior atent selectate și de înaltă calitate sunt suficiente pentru mult mai mult decât întreținerea de bază a oricărui tip de bicicletă.*
• *tăvile din spumă decupate păstrează sculele organizate, iar carcasa rezistentă la praf și apă asigură depozitarea în siguranță a acestora. Tava suplimentară din spumă, nepersonalizată, oferă spațiu pentru adăugarea sculelor preferate sau poate fi îndepărtată pentru a crea loc suplimentar de depozitare.*

Setul include:
• *set de 9 chei imbus cu cap rotund (tip bilă). Dimensiuni: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm*
• *set de 9 chei Torx cu gaură, pe suport. Dimensiuni: T8, T9, T10, T15, T20, T25, T27, T30, T40*
• *mâner profesional pentru capete tip soclu, pătrat de 1/2"*
• *cheie tip crowfoot pentru pedale*
• *indicator de uzură pentru discuri de frână - evaluare rapidă a uzurii*
• *scule pentru montarea/demontarea casetei: cheie pentru inel de blocare și bici pentru lanț, compatibile cu casete 6-12 viteze*
• *presă pentru lanț, compatibilă cu lanțuri de 11 și 12 viteze*
• *clești pentru verigi rapide, cu funcție de deschidere și închidere*
• *indicator de uzură a lanțului, compatibil cu lanțuri de 6-13 viteze, inclusiv Sram flat top*
• *cheie rotundă pentru spițe, compatibilă cu 8 dimensiuni de niplu*
• *cheie pentru monobloc, 16 crestături*
• *unealtă 2-în-1 pentru frâne pe disc - întinde plăcuțele și îndreaptă discul*
• *foarfecă pentru cabluri și cămăși*
• *surubelniță plată și șurubelniță PH*
• *set de două leviere pentru anvelope*
• *unealtă pentru capac de braț pedalier și cheie pentru piulițe de foaie*
• *chei pentru conuri, dimensiuni: 13, 14, 15, 16, 17 mm*
• *ruletă de 2 m / 6 ft*

Avantaje:
• *38 de scule Unior atent selecționate și de calitate superioară*
• *două tăvi SOS din spumă decupată, una în capac și una în partea de jos*
• *decupajele din spumă sunt gravate cu laser cu denumirile/codurile sculelor*
• *tavă suplimentară din spumă nepersonalizată, pentru depozitare adițională*
• *cutie impermeabilă și rezistentă la praf, certificare IP67*
• *garnitură etanșă pe capac*
• *supapă automată pentru eliberarea presiunii*
• *inchizători duble, ușor de manevrat*
• *maner ergonomic testat la sarcină*
• *carcasă robustă, fabricată din material compozit de înaltă rezistență*



UNIOR
BIKE TOOLS

640041	33	4605	0000.00

1609.1; 1609/2HOBBY-US; 1612/2 (13 x 14x15 x 17) **1612/2** (13 x 14x15 x 16); **1613/2CF** (15); **1631/5** (3.3x3.45x3.7x4x4,2x5x4.4x5.5); **1644/6; 1647/2ABI-US 1657RED; 1660/2DP-US; 1668/2; 1670.5/4; 1720/4DP; 1728/6 1757/2DP-US; 1843MFW-BIKE TOOLS; 190.8/2BI-US** (1/2") **220/3SLPH-US; 220/7TXNPH** (TX8 - TX40x9); **584/4BI-US** (180) **605CR** (0.8 x 4.0x100); **615CR** (PH 2x100); **710R-US** (3 m)

970PROKIT

Tool case Prokit - 970PROKIT

• setul de scule este conceput special pentru unelte de bicicleta; este fabricat din plastic rezistent si este impermeabil si etans la praf.
• Dispune de un panou de agatare cc carlige care se agata la orificiile de pe partea din fata a carcasei, permitandu-va sa ai toate sculele la indemana. Panoul are 9 buzunare, care sunt concepute pentru a transporta totul de la clesti pana la chei fixe.
• Clapetele din capac pot fi inchise strans cu curelele Velcro; Cand este inchis, ei asigura, de asemenea, mentinerea sculelor la locul lor. Clapetele deschise si partea interioara a capacului va ofera 35 de buzunare individuale pentru scule. Cele mai mari buzunare pot lua cheia imbus cu maner in T pana la dimensiunea 10 si un buzunar mic special poate tine in siguranta cheia imbus in L pana la dimensiunea 1,5mm sau instrumente similare mici, astfel incat nimic niciodata nu se va pierde

Avantaje:

• Buzunarele sunt cusute impreuna cu filet de nailon durabil
• Impermeabil și etans la praf in conformitate cu certificatul IP67
• Garnitura etansa in jurul capacului
• Supapa de eliberare automata a presiunii
• Usor de deschis incuietori duble de aruncare
• Maner de prindere moale cu sarcina testata
• Orificii pentru curea de umar (curea neinclusa in Kit)
• Material gros de carcasa
• Pini de nailon, fara coroziune panou de agatare cu 9 buzunare, concepute pentru a transporta totul, de la cleste pana la chei fixe
• Separator de aluminiu in partea de jos a carcasei instrumentului pentru a va pastra instrumentele organizate
• Flapsurile se inchid perfect in capacul carcasei setului
• Capacul poate transporta chei inbuss cu maner in T pana la dimensiunea 10
• Buzunare speciale de siguranta pentru a detine scule mici
• 44 buzunare toate impreuna + depozitare sub palet



UNIOR

627041	1627.22



1600ROLL-US

Set de scule de bicicleta 15 piese in husa

• trusa in husa textila este o solutie excelenta pentru un ciclist care dorește sa fie pregatit pentru orice sau un motociclist modern, va fi la indemana chiar și pentru utilizatorii mai pretentiosi precum mecanica XC sau CX. Geanta este compacta, ușoara și ușor de depozitat in rucsac sau in mașina. In aceasta versiune vine cu o selectie excelenta de instrumente.

Caracteristici de impachetare:

• ochiuri din aluminiu pentru fixarea foliei pe scaunul auto, cu fixare sub tetiera
• curele puternice Velcro® pentru inchidere sigura
• buzunare laterale cu inchidere completa pentru piese sau scule suplimentare
• curele elastice suplimentare pentru și mai multe scule
• fabricat din material PU acoperit, impermeabil și rezistent la ulei
• posibilitate montare și mini pompa



UNIOR

628714	15	592.95

1609.1; 1647/5MINI; 220/7TXN (TX 25); **220/3SL** (1.5, 2, 2.5, 3, 4, 5, 6, 8); **1657RED; 615E** (PH 00x60); **1631/2; 970ROLL** (500 x 285)

1600ROLL-P-US

Set de scule de bicicleta 20 piese in husa

• trusa in husa textila este o solutie excelenta pentru un ciclist care dorește sa fie pregatit pentru orice sau un motociclist modern, va fi la indemana chiar și pentru utilizatorii mai pretentiosi precum mecanica XC sau CX. Geanta este compacta, ușoara și ușor de depozitat in rucsac sau in mașina. In aceasta versiune vine cu o selectie excelenta de instrumente.

Caracteristici de impachetare:

• ochiuri din aluminiu pentru fixarea foliei pe scaunul auto, cu fixare sub tetiera
• curele puternice Velcro® pentru inchidere sigura
• buzunare laterale cu inchidere completa pentru piese sau scule suplimentare
• curele elastice suplimentare pentru și mai multe scule
• fabricat din material PU acoperit, impermeabil si rezistent la ulei
• posibilitate montare și mini pompa



UNIOR

628716	20	1118.69

190.8/2BI (1/2"); **1609.1; 1647HOBBY/4P-US; 1644/4; 1670/2BI-US** (11/12); **220/7TXN** (TX 25); **1670.5/4; 1631/2; 1657RED; 615E** (PH 00x60); **1757/2DP-US; 220/3SL** (1.5, 2, 2.5, 3, 4, 5, 6, 8); **970ROLL-P** (650 x 380)

970ROLL

Husa textila 500 x 285 mm

• ochiuri din aluminiu pentru fixarea foliei pe scaunul auto, cu fixare sub tetiera
• curele puternice Velcro® pentru inchidere sigura
• buzunare laterale cu inchidere completa pentru piese sau scule suplimentare
• curele elastice suplimentare pentru și mai multe scule
• fabricat din material PU acoperit, impermeabil și rezistent la ulei
• posibilitate montare și mini pompa



UNIOR

	A x B		
628717	500 x 285	264	241.50

970ROLL-P

Husa textila 650 x 380 mm

• ochiuri din aluminiu pentru fixarea foliei pe scaunul auto, cu fixare sub tetiera
• curele puternice Velcro® pentru inchidere sigura
• buzunare laterale cu inchidere completa pentru piese sau scule suplimentare
• curele elastice suplimentare pentru și mai multe scule
• fabricat din material PU acoperit, impermeabil și rezistent la ulei
• posibilitate montare și mini pompa



UNIOR

	A x B		
628718	650 x 380	264	299.53

1600HOMEKIT-US

NOU

Home kit

- *34 de unelte Unior de inaltă calitate selectate cu grija*
- *două tsvi de spumă SOS cu decupaje pentru toate uneltele, una intr-un capac si una in partea de jos a carcasei*
- *decupajele din spuma prezinta nume/coduri gravate cu laser ale instrumentelor*
- *tavă suplimentara goals din spuma SOS pentru depozitarea uneltelor*
- *rezistent la apa si praf in conformitate cu certificatul IP67*
- *garnitura etansa la apa în jurul capacului*
- *supapa de eliberare automata a presiunii*
- *usor de deschis/inchis zavoare duble*
- *maner moale testat la sarcina*
- *carcasa robusta din compozit rezistent*



UNIOR

629070	37	4490	**1859.84**

1609.1; 1609/2HOBBY-US; 1612/2 (13 x 14x15 x 17, 13 x 14x15 x 16); **1613/2CF; 1631/2 1644/4; 1647/2ABI-US; 1657RED; 1660/2DP-US; 1668/2; 1670.5/4; 1670/2BI-US** (11/12) **1750/2DP-US; 190.8/2BI-US** (1/2"); **220/3L** (8); **220/3SLPH-US; 220/7TXN** (TX 10, TX 15, TX 25, TX 27, TX 30); **605CR** (0.8 x 4.0x100); **615CR** (PH 2x100); **710R-US** (3 m)

1600MASTERKIT-US

NOU

Master tool kit

- *cutie de scule complet echipata cu 94 de unelte Unior de inalti calitate atent selectate*
- *roti si maner retractabil cu zavor de siguranta pentru transport usor*
- *buzunarele sunt cusute impreuna cu fir de nailon rezistent*
- *tava din spuma SOS din stanga si din dreapta (280 mm × 250 mm) cu decupaje pentru scule si fund metalic care se agata pe marginea carcasei.*
- *tava din spuma SOS (385 mm × 280 mm) în partea inferioara a carcasei, cu decupaje pentru unelte mai mari*
- *decupajele din spuma prezinta nume/coduri gravate cu laser ale instrumentelor*
- *rezistent la apa si praf în conformitate cu certificatul IP67*
- *garnitura etansa la apa in jurul capacului*
- *supapă de eliberare automată a presiunii*
- *usor de deschis/inchis zavoare duble*
- *maner moale testat la sarcina*
- *carcasă robusta din compozit rezistent*
- *stifturi din nailon fara coroziune*
- *opțiune de blocare a carcasei cu lacat (nu este inclus)*
- *despărțitor din aluminiu in partea de jos a cutiei de scule pentru a va mentine uneltele organizate*
- *clapele se inchid bine în capacul cutiei de scule*
- *capacul poate transporta hexuri cu mâner în T pana la dimensiunea 10*
- *buzunare speciale de siguranta pentru a tine unelte mici*
- *44 de buzunare in total, trei tavi de spumă SOS care pot incapea 50 sau mai multe unelte, organizator pentru piese mici*



UNIOR

629067	95	20800	**11846.39**

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19); **1342** (160); **1602/5; 1609.1 1613/2DP-US** (15); **1617/2DP-US** (13 (2x), 14 (2x), 15 (2x)); **1632; 1643/4** (0 - 1,2); **1647/2BBI-US 1657BLACK; 1659/2DP-US; 1661/4; 1670.1/4; 1670.5/4; 1670.9/4; 1670/2BI-US** (12/11); **1671.1/4 1671.16N; 1671.BSA30; 1701/5; 1751/2; 1751/2T; 1755/2; 1756** (1,5, 2,5); **1757/2DP-US 1758/4** (20, 12, 15); **183/2** (8 x 10); **187/2HX** (3, 4, 5, 6); **187/2TX** (TX 10, TX 15, TX 25, TX 27, TX 30) **188.1/1ABI-US** (1/4"); **188.7/2** (1/4" - 3/8"); **188/2 6p** (6, 7, 8, 9, 10, 11, 13, 12); **190.1/1ABI-US** (1/2") **190.7/2** (1/2"x3/8"); **190/1 6p** (15); **193HX-US** (2, 2,5, 3, 4, 5, 6, 8, 10); **193TX-US** (TX 10, TX 25) **220/3** (3, 1.5, 2, 2.5); **220/3S** (4, 5, 6); **220/7TXN** (TX 8); **250/1** (200); **266B** (1/4"x1 - 20); **271** (0 - 150) **406/1VDEBI** (160); **461/1VDEBI** (160); **584/4BI-US** (180); **603VDETBI** (0.5 x 3.0x100, 1.0 x 5.5x125) **613VDETBI** (PH1x80); **639C** (165); **710R-US** (3 m); **760HB-US** (200); **820** (27) **970MASTERKIT** (585x361x238); **970MASTERKIT-ORG; KAT.BIKEBOOK1** (EN)

1600N1-US NOU

Set de scule de bicicleta in carucior de scule 940EV6

• contine o selectie curata a celor mai utilizate instrumente pentru atelierul si evenimentele dvs.
• dispune de 7 sertare cu unelte, toate tinute in tavi de spuma taiate cu laser si un al 8-lea sertar adânc suplimentar pentru depozitarea articolelor esentiale de atelier.

Caracteristici carucior:
• material: tabla Premium PLUS de 1,2 mm grosime
• posibilitatea adaugarii de accesorii
• pe cărucior sunt montate piulite oarbe pentru fixarea accesoriilor
• capacitatea de incarcare statica a căruciorului fara roti: 1600 kg
• capacitate dinamica de încărcare a sertarelor: 300 kg
• capacitate maxima a fiecarui sertar: 45 kg
• 8 sertare (7x L563 x L365 x H70 mm, 1x L563 x L383 x H150 mm)
• dimensiuni de baza cu maner si roti L 800 x l 440 x H 923 mm
• volumul total al sertarelor: 135 litri
• sertarele sunt compatibile cu tavile de scule SOS 1/3, 2/3, 3/3
• partea stanga si dreaptă sunt perforate
• include 10 carlige dimensiune 50 mm
• placa ABS pe partea superioară a caruciorului



629226	152	79800	1K	1	21987.54

1600SOS13-US; 1600SOS14-US; 1600SOS15-US 1600SOS16-US; 1600SOS17-US ; 1600SOS18-US 1600SOS19-US; 940E4/1L-BLACK (770x448x895)

vl1600SOS13 NOU

Modul spuma SOS pentru set scule 1600SOS13



	B	L	H				
629198	564	364	30	141	1K	1	107.87

vl1600SOS14 NOU

Modul spuma SOS pentru set scule 1600SOS14



	B	L	H				
629200	564	364	30	137	1K	1	107.87

vl1600SOS15 NOU

Modul spuma SOS pentru set scule 1600SOS15



	B	L	H				
629202	564	364	30	139	1K	1	107.87

vl1600SOS16 NOU

Modul spuma SOS pentru set scule 1600SOS16



	B	L	H				
629204	564	364	30	139	1K	1	107.87

vl1600SOS17 NOU

Modul spuma SOS pentru set scule 1600SOS17



	B	L	H				
629206	564	364	30	139	1K	1	107.87

vl1600SOS18 NOU

Modul spuma SOS pentru set scule 1600SOS18



	B	L	H				
629208	564	364	30	144	1K	1	107.87

vl1600SOS19 NOU

Modul spuma SOS pentru set scule 1600SOS19



	B	L	H				
629210	564	364	30	133	1K	1	107.87

vl1600SOS20

Modul spuma SOS pentru set scule 1600SOS20



	B	L	H				
626105	564	364	30	133	1K	1	107.87

SET-2600E-US NOU

Set de scule de bicicleta in module SOS pentru 2600E

• kitul de instalare include dispozitiv filetat, adaptoare pentru urmatoarele tipuri de rulmenti standard: 608, 1526, 6000, 6001, 6802, 6803, 6804, 6805, 6900, 6901, 6902, 6903, R6, 28x17 (Hope), BB30, toate Press - se potrivesc standardelor si doua adaptoare acoperite din plastic de dimensiuni diferite, pentru a proteja suprafetele de carbon in timpul instalarii rulmentului.
• unul dintre manerele filetate include un sistem de eliberare rapida pentru o utilizare rapida si usoara.
• setul de extractoare include un ciocan glisant de mare capacitate cu adaptoare care sustin indepartarea rulmentului cu dimensiunile interioare ale rulmentului 6.5-8,10-12, 12-15, 17-20, 22-28, 30-36mm.
• toate piesele sunt aranjate in tavi de spuma decupate, care se potrivesc carucioarelor Europlus, Eurovision, Eurostyle si Hercules



UNIOR

628676	34	4930	1K	1	2926.07

1721.1 (30 x 42 - BB30 (2x), 24 x 41-BB86/92 (2x), 22 x 41 (2x), 10 x 26 - 6000, 10 x 22 - 6900, 12 x 28 - 6001, 12 x 24 - 6901, 15 x 28 - 6902, 15 x 24 - 6802, 15 x 26 - 1526, 17 x 28 - 17286, 17 x 30 - 6903, 17 x 26 - 6803, 20 x 32 - 6804, 25 x 37 - 6805, 9.5 x 22.2 (3/8" x 7/8") - R6 (2x), 8 x 22 - 608, DUB 29×42 (2x)) **1721.2**; **1721.3**; **1721.4**; **689.1/4** (6,5 - 8, 10 - 12, 12 - 15, 17 - 20, 22 - 28, 30 - 36); **689.2/2BI-US**; **vl.1600SOS20** (564x364x30)

SET2-2600AC NOU

Set de scule in SOS 2 pentru 2600A si 2600C - scule BB & pedalier

• dimensiuni: 560x570x40 mm



UNIOR BIKE TOOLS

629834	26	7020	5517.54

1671.BB9000; 1671.BBR60; 1671.BSA30; 1671.MEvo; 1671.16N; 1.67E13; 1671.HP; 1671.T47; 1671.RET; 1671.9/2DP 1671.10/2DP; 1725/2CF (32, 36)**; 1671.8/2BI-US; 1625/2** (80)**; 1625/2BB90; 1671.2/4; 1609.1; 1609.2DUB/5; 1662/4; 1661/4 1613/2BI-US** (15)**; 1602/5; 190.2/1BI-US** (1/2"x450)**; 190.1/1ABI-US** (1/2")**; vl2-2600A** (560x570x40)

SET1-2600AC NOU

Set scule in SOS 1 pentru 2600A si 2600C - Scule generale

• dimensiuni: 560x570x40 mm



UNIOR BIKE TOOLS

629833	28	2770	2288.85

193TX-US (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30)**; 193HX-US** (2, 2,5, 3, 4, 5, 6, 8, 10)**; 461/1VDEBI** (160)**; 584/4BI-US** (180)**; 1755/2**; 710R-US (3 m)**; 582/3P-US** (150)**; 270A** (0 - 150)**; 45/2DP; 639C** (165)**; 603VDETBI** (0.4 x 2.5x75, 1.0 x 5.5x125)**; 613VDETBI** (PH0x60, PH2x100)**; vl1-2600AC** (560x570x40)

SET4-2600AC NOU

Set de scule in SOS 4 pentru 2600A si 2600C - Chei dinamometrice si clesti

• dimensiuni: 560x570x40 mm



UNIOR BIKE TOOLS

629836	74	7920	7167.87

110/1 (4 x 5, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 29, 30 x 32)**; 193HXS-US** (3, 4, 5)**; 406/1VDEBI** (160)**; 449/1PYTHON-US** (240)**; 449.1** (240)**; 506/1VDEBI** (140)**; 1642.1/2P-US; 407/4PR** (170)**; 463/4BI-US** (140)**; 1781/2HX-US** (4x5x6, 2x2,5x3)**; 1781/2TX-US** (10x15x25)**; 220/7TX** (TR 10)**; 220/3L** (10, 12)**; 220/3SL** (1.5, 2, 2.5, 3, 4, 5, 6, 8)**; 266B** (1/4"x1 - 20, 1/2"x4,3 - 85) **1760/2; 187/2HX** (2,5, 3, 4, 5, 6)**; 187/2TX** (TX 8, TX 10, TX 15, TX 25, TX 27, TX 30)**; 188.7/2** (1/4" - 3/8")**; 188.4/2** (1/4"x100) **190.4/1** (1/2"x125)**; 188/2 6p** (7, 8, 9, 10, 11)**; 190/1 6p** (12, 13, 14, 15, 17, 18, 19)**; 192/2HXL** (6x64, 8x64, 10x64) **190.7/2** (1/2"x3/8")**; 190.1/1ABI-US** (1/2")**; 188.1/1ABI-US** (1/4") **vl4-2600AC** (560x570x40)

SET3-2600AC NOU

Set scule in SOS 3 pentru 2600A si 2600C - Scule roti

• dimensiuni: 560x570x40 mm



UNIOR BIKE TOOLS

629835	40	4820	2360.66

1617/2DP-US 13 (2x), 14 (2x), 15 (2x), 16 (2x), 17 (2x), 18, 19 (2x), 20, 22, 23, 24, 26, 27, 30, 32, 36; **1657ORANGE; 1657/2A; 1632; 1630/5** (4, TX20, 3,3, 3,45)**; 1633/2P-US** (3,3x3,45, 4x4,4)**; 1634/2P-US** (4,3x4,4)**; 1636/2P-US** (5x5,5, 5.5x6)**; 1635/2P-US; 1635/2AP-US** (6,8)**; 1666/2DP-US** (2,2)**; 1750/2DP-US; 1727/2DP; vl3-2600AC** (560x570x40)



SET5-2600AC NOU

Set de scule in SOS 5 pentru 2600A si 2600C - Unelte pentru transmisie

• dimensiuni: 560x570x40 mm



UNIOR BIKE TOOLS

629837	18	3920	2145.41

1647/2BBI-US; 1720/4DP; 1668/2; 1644/6; 1658/2P; 1670/2BI-US (11/12)**; 1670/2BI-AXS-US; 1660/2DP-US; 1670.1/4; 1670.2/4; 1670.3/4; 1670.4/4; 1670.5/4; 1670.6/4; 1670.9/4; 819A-US** (45) **190.8/2BI-US** (1/2")



SCULE SERVICE MOTOCICLETE

Protectia suprafetelor

Sculele sunt facute dintr-o excelenta compozitie imbunatatita de otel. Mai multe modele beneficiaza de o finisare cromata ca protectie suplimentara.

UNIOR® MOTO TOOLS

Tehnologii noi avansate

Folosirea de noi tehnologii si de materiale de prima calitate duce la obtinerea de scule cu o durata de viata lunga; elementele de siguranta incorporate permit lucrul de reparatii fara risc de stricare sau de ranire; solutiile potrivite, eficacitatea optimizata, materialele moderne si o conceptie ergonomica confera sculelor un aspect atractiv si garanteaza o utilizare in deplina siguranta

Materiale de cea mai inalta calitate

Design-ul bine gandit si realizarea precisa previn defectiuni supra obiectului de lucru, chiar si sub incarcari considerabile. Cu aceste caracteristici, eficiente sculele Unior sunt alegerea potrivita pentru meseriasii care cer scule de calitate si rezistente cu o durata de serviciu mai mare


248




UNIOR




UNIOR
GENERATION






UNIOR






501



3050/2BI

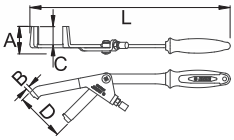
Scula pentru ambreaj si pinion de antrenare

- *material: compozitie speciala pentru calire revenire*
- *suprafata:cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*

Avantaje:
- *forma de pana asigura blocarea protejând dantura impotriva deteriorarii.*
- *scula include de asemenea un surub care asigura fixarea sculei in pozitia dorita si in consecinta o strângere ferma.*

Mod de utilizare
- *aceasta scula este destinata la fixarea ambreiajului,rulmenti si arborele cu came la strângerea rulmentilor, pana la marimea de 130 mm in timpul montarii si demontarii.*
- *pentru toate tipurile de motociclete*





UNIOR MOTO TOOLS

	D↓	D↑	C	B	A	L			
620261	40	130	35	6	53	390	637	1G	164.26

3051/2BI

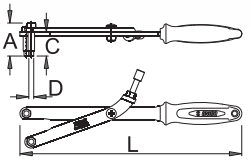
Scula pentru ambreaj si pinion de antrenare

- *material:compozitie speciala pentru calire revenire*
- *suprafata:cromata in concordanta cu standardul EN 12540*
- *maner ergonomic rezistent bimaterial*

Avantaje:
- *datorita structurii universale aceasta permite fixarea gaurilor cu un diametru de 5-9 mm si o distanta intre 20 si 180 mm*
- *scula are de asemenea un surub care asigura fixarea sculei la distanta adecvata intre gauri si magnet sau roata.*

Mod de utilizare
- *scula este proiectata pentru oprirea magnetului si a pinionului in timpul ansambluri si demontarii.*
- *pentru toate tipurile de motociclete*





UNIOR MOTO TOOLS

	D↓	D↑	D1	D2	L	A			
620262	20	180	5	9	340	32	604	1G	142.62





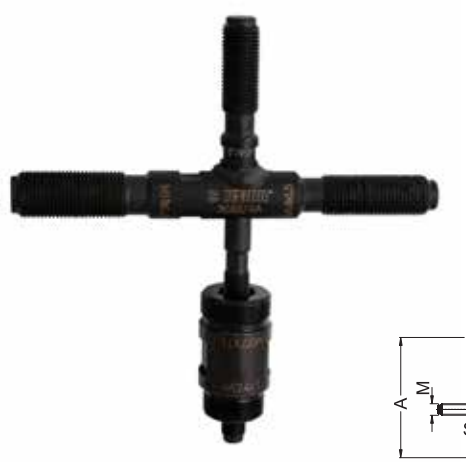
3055/4A

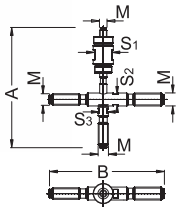
Extractor volant cu filet interior

- *material: otel carbon*
- *acoperire prin brunare conform DIN 50938*
- *tarozii M10, M14,M16,M18,M24 sunt pe partea dreapta, iar M27 este pe stanga*

Avantaje:
- *scula are 6 marimi diferite ale filetelor,aceasta asigurând acoperirea majoritatii tipurilor de motoare care au magnet cu filet interior.*
- *permite schimbarea rotii libere fara demontarea motorului de pe cadru.*
- *pe fiecare axa, este un atasament pentru o cheie fixa care face mai usoara scoaterea volantei magnetice.*

Utilizare:
- *pentru demontarea volantilor cu filet intern*





UNIOR MOTO TOOLS

	M	M	M	M	M	M	S1	S2	S3	A	B			
620278	M10x1	M14x1,5	M16x1,5	M18x1,5	M24x1	M27x1	24	14	11	168	160	531	1E	161.15

3055/4B

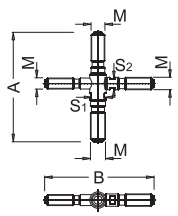
Extractor volant cu filet interior

- *material: otel carbon*
- *acoperire prin brunare conform DIN 50938*
- *toti tarozii sunt pe partea dreapta*

Avantaje:
- *scula are 4 marimi diferite ale filetelor,aceasta asigurând acoperirea majoritatii tipurilor de motoare care au magnet cu filet interior.*
- *permite schimbarea rotii libere fara demontarea motorului de pe cadru.*
- *pe fiecare axa, este un atasament pentru o cheie fixa care face mai usoara scoaterea volantei magnetice.*

Utilizare:
- *pentru demontarea volantilor cu filet intern*





UNIOR MOTO TOOLS

	M	M	M	M	S1	S2	A	B			
620279	M16x1,5	M18 1,5	M20x1,5	M22x1,5	19	14	161	161	630	1E	127.87

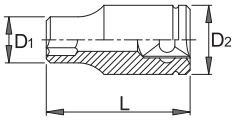
3056/2

Cap cheie tubulara

- *material: crom molibden*
- *finisarea suprafetei: acoperire cromare conform ISO 1456:2009*
- *conceput pentru lucrul in spatii unde nu exista suficient loc pentru antrenor standard de cap tubular*

Important
- *nu va putea suporta un cuplu de strangere corespunzator normei DIN pentru capetele tubulare standard*





UNIOR MOTO TOOLS

		L	D1	D2			
620280	3/4"	38,5	23,9	23,9	61	4B	33.11
620281	5/8"	38,5	21,5	22,5	59	4B	31.15
620282	19	38,5	23,9	23,9	60	4B	33.11



2202.1/2

Piesa de presare pentru comprimare arcuri pistoane

- *material: otel carbon de scule*
- *capul cheii este tratat in intregime*
- *dimensiunile 17, 21, 25 pentru motociclete, 21, 25, 30, 35, 43 pentru masini*





UNIOR MOTO TOOLS

	D	A	B	D1	D2	D3			
620211	43	44	75	30	16	M12	106		156.39

3054/4

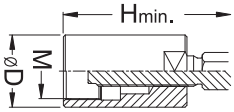
Extractor volant cu filet interior

- *material: otel carbon de scule calit si revenit*
- *acoperire prin brunare conform DIN 50938*

Avantaje:
- *permite inlocuirea volantei pe motociclete*
- *pe fulie este un atasament pentru o cheie fixa, care ar trebui sa sustina magnetul*

Utilizare:
- *pentru demontarea fuliilor cu filet extern*





UNIOR MOTO TOOLS

		D	H			
620270	M24 x 1.5	32	80	332	1E	81.31
620271	M26 x 1	34	80	353	1E	83.77
620272	M28 x 1	36	80	385	1E	89.51
620273	M30 x 1	38	80	417	1E	94.75
620274	M30 x 1.5	38	80	432	1E	96.72
620275	M35 x 1.5	45	90	666	1E	118.69
620276	M38 x 1.5	48	105	880	1E	152.13
620277	M50 x 1.5	60	105	1254	1E	205.08

3054.1/4

Protector pentru arborele cotit

- *material: otel carbon de scule calit si revenit*
- *acoperire prin brunare conform DIN 50938*
- *M12x1.25 (part al fuliei M24x1.5)*
- *D12mm (parte a fuliei 26x1)*
- *M14x1.25 (parte a fuliei M28x1)*
- *M16x1,5 (face parte din extractorul M38x1,5)*

Avantaje:
- *permite protectia arborelui de transmisie tragand volanta*

Utilizare:
- *capacele de protectie sunt insurubate pe arborele cotit al motorului si protejeaza arborele cotit atunci când magnetul este inlaturat. Capacele de protectie sunt utilizate atunci când sunt utilizate piulite relativ mici pentru a fixa magnetul pe arborele cotit. Este deosebit de important sa folositi capacele de protectie ale motoarelor, in cazul in care sistemul de lubrifiere pentru lubrifierea rulmentilor de capat trece prin centrul arborelui cotit*



UNIOR MOTO TOOLS

		3054/4			
624228	M16x1.5	M38x1.5, M50x1.5	60	1E	24.43

3200/2BI

Scula de montare lant, presare si nituire pentru motocicleta

• *material: otel carbon*
• *suprafata: cromata in concordanta cu standardul EN 12540*
• *maner ergonomic rezistent bimaterial*
• *dimensiunea cutiei: 321x198x54 mm*

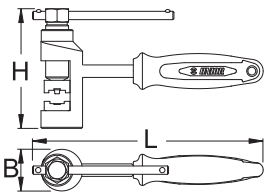
Utilizare:
• *pentru lanturile DID cu clasificarea 520, 525, 530 si 532*
• *pentru lanturile Regina cu clasificarea 520, 525, 530*
• *pentu RK a lanturilor din clasa 520, 525, 530 si 532*
• *compatibil cu majoritatea angrenajelor cu lant pentru motociclete*

Demontarea lantului
• *un set robust pentru demontarea unui lant fara sa fie nevoie de polizarea axului in prealabil*
• *alegeti pin-ul potrivit (diametru Ø3, Ø4 ou Ø5mm) si piulita (Ø4 Ø5 ou Ø6 mm) care corespund diametrului pinului lantului*
• *introduceti pinul in scula, apoi pozitionati-o pe veriga lantului si rotiti scula pana cand pinul lantului iese complet*

Montarea lantului:
• *montati lantuul dupa instuctiunile fabricantului*
• *alegeti un set potrivit de adaptaore de compresie in functie de marimea placutelor (largime de 13.5 mm sau 16 mm)*
• *instalati ansamblul in scula. Puneti scula pe veriga de legatura si comprimati veriga rotind scula de nituit folosind manerul pana cand plachetele si lantul sunt strans conectate*
• *dupa ce veriga de racord si plachetele sunt bine aliniate, instalati pin-ul lantului.*
• *puteti alege intre trei tipuri de pini de nituire (tip A,B, sau C)*
• *plasati ansamblul de poansoane in scula si rotiti manerul pentru a deforma capul axei si a-l da un diametru de5.5 - 5.8mm, dupa recomandarile fabricantului respectiv*










UNIOR MOTO TOOLS

	B	H	L			
623220	40	115	270	2490	1G	662.62

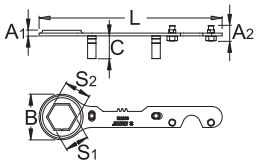
3057/2

Scula de blocare pentru variator si antrenorul de ambreiaj

• *material: compozitie speciala pentru calire revenire*
• *suprafata: cromata in concordanta cu standardul EN 12540*

Avantaje:
• *este prevazut cu 3 lungimi diferite a accesoriilor care acopera mai multe tipuri de actionari*

Utilizare:
• *pentru scutere PIAGGIO, GLIERA 50-125cc (racite cu apa sau aer)*
• *are functie tripla*
• *destinat imobiliazarii pinionului starterului la desfacerea partii din fata a angrenajului*
• *accesorii pentru oprirea cuzinet in partea din spate a antrenarii pentru desurubarea piulitei*
• *cheie pentru desurubarea piulitei interioare a partii din spate a actionarii*

UNIOR MOTO TOOLS

	A1	A2	B	C	S1	S2	L			
623187	8	22	65	32.5	34	38	262	319	1E	136.89

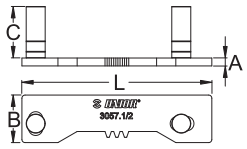
3057.1/2

Scula de blocare pentru variator si antrenorul de ambreiaj

• *material:compozitie speciala pentru calire revenire*
• *suprafata:cromata in concordanta cu standardul EN 12540*

Utilizare:
• *destinat imobiliazarii pinionului starterului la desfacerea partii din fata a angrenajului*
• *pentru scutere PIAGGIO, GLIERA 50-125cc (racite cu apa sau aer)*





UNIOR MOTO TOOLS

	A	B	C	L			
623188	5	30	32.5	120	150	1E	65.41



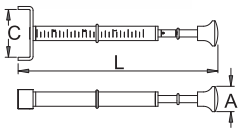
3201/2

Scula pentru controlul intinderii curelei de distributie la motocicletele

• *material:compozitie speciala pentru calire revenire*
• *finisarea suprafetei: acoperire cromare conform ISO 1456:2009*

Utilizare:
• *serveste la controlarea tensiunii din curelele de antrenare*
• *se monteaza pe curea scula de control. La nivelul indicat de marcajul de pe motor, cureaua trebuie sa fie apasata manual pentru a determina gradul de joc existent si a se asigura ca acesta este conform unei forte de 45N si cu sageata indicata de producator*





UNIOR MOTO TOOLS

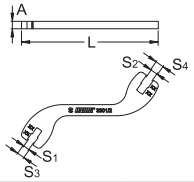
	A	C	L			
620286	21	405	164	100	1G	152.13

3301/2

Cheie de spite pentru motociclete

• *material: otel carbon*
• *finisarea suprafetei: acoperire cromare conform ISO 1456:2009*
Avantaje:
• *forma ergonomica a cheii permite un acces simplificat si o forta de strangere importanta pentru efectuarea operatiunilor de strangere si desurubare*
Utilizare:
• *cheia de spite este folosita pentru a strange piulitele spitelor*





UNIOR MOTO TOOLS

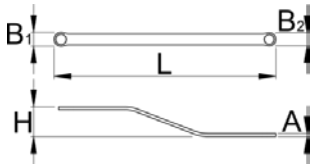
	S1	S2	S3	S4	L	A			
620296	5	6	6,3	7	111	6	71	4A	14.43
623186	5,4	5,6	6,5	6,8	111	6	71	4A	14.43

3060/2 NOU

Cheie pentru pinion spate

• *forma curbata ofera acces mai usor la surub sau piulita, lucru mai rapid si mai eficient si durabilitate de lunga durata*
• *material: premium plus oțel carbon*
• *complet calit si revenit*
• *decalajul cheii permite un acces mai usor la piulita si surubul pinionului spate*
• *lungimea cheii permite o strangere si o slăbire mai usoara*





UNIOR MOTO TOOLS

		L	B1	B2	A	H			
629539	12 x 13	292	19	18	4	40	125	1E	72.54

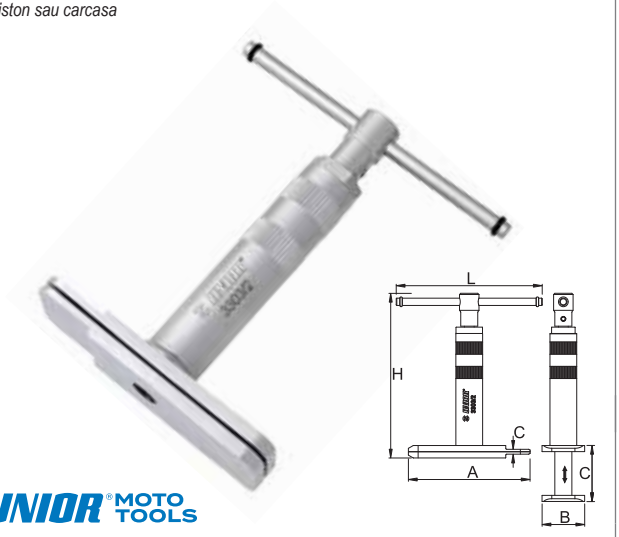
3303/2

Disc intinzator pentru motociclete

• *material: otel carbon*
• *suprafata: cromata in concordanta cu standardul EN 12540*
• *pentru frane cu piston dublu sau triplu, placutele de frana uzate trebuie lasate in locul lor din corpul franei, pentru a evita eventuala expulzare a vreunuia dintre pistoane.*
• *dupa compresie, inlocuiti pacutele uzate cu altele noi*

Utilizare:

• *Scula este folosita pentru a comprima pistoanele de frana atunci cand se schimba placutele de frana*
• *poate fi folosita la comprimarea pistoanelor de frana simple, duble sau triple*
• *scula permite presarea rapida si usoara a pistoanlor inapoi in carcasa fara probleme pentru piston sau carcasa*



UNIOR MOTO TOOLS

	L	A	B	C↓	C↑			
620298	120	100	35	4	45	507	1G	215.25

3305/2

Scula de blocare pentru tije de amortizor moto

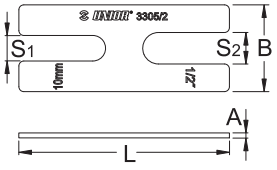
• *material: otel carbon*
• *finisarea suprafetei: acoperire cromare conform ISO 1456:2009*

Utilizare:

• *scula este folosita la inlocuirea bucselor, a garniturilor si a uleiului din amortizoarele din fata.*
• *scula se introduce intre piulita si tub pentru a mentine amortizorul in pozitie ridicata in timpul montarii si a demontarii.*







UNIOR MOTO TOOLS

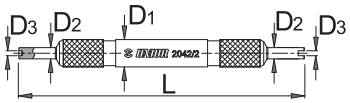
	A	B	L	S1	S2			
623246	2	35	85	10,3	12,7	34	1E	16.39

2042/2

Scule pentru valve de cauciucuri

- *material: compozitie speciala pentru calire revenire*
- *acoperire: cromare in concordanta cu ISO 1456:2009*
- *pentru montarea si demontarea mecanismului Schrader al valvelor*
- *un capat este destinat montarii si demontarii mecanismului, celalalt capat pentru esaparea usoara a aerului*
- *corpul manerului striat pentru o mai buna strangere*





UNIOR MOTO TOOLS

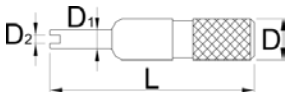
	L	D1	D2	D3			
621998	115	11	4,5	2	65	4A	**33.44**

2042/5 NOU

Scule pentru valve de cauciucuri

- *material: premium plus otel carbon*
- *finisaj suprafete: cromat conform ISO 1456:2009*
- *pentru asamblarea si dezasamblarea mecanismului supapelor Schrader*





UNIOR MOTO TOOLS

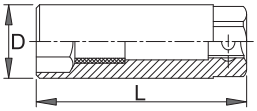
	L	D	D1	D2		
629497	115	11	5	4,5	22	**49.12**

3058/2

Cheie pentru bujii 3/8" cu perete subtire

- *material: crom vanadiu*
- *acoperire cromare conform ISO 1456:2009*
- *forjata, calire si revenire totala*
- *conceput pentru inlocuirea bujiilor acolo unde lipsa de spatiu face dificila utilizarea unei chei standard*
- *capul tubular este prevazut la interior cu un inel de cauciuc pentru a retine bujia*





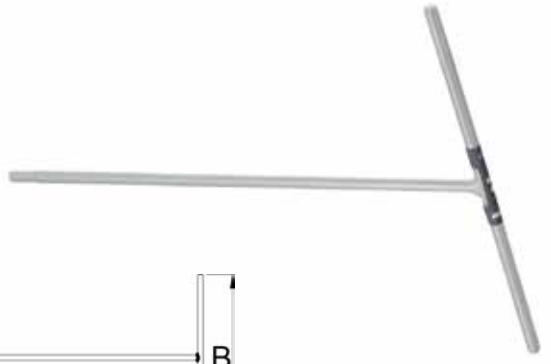
UNIOR MOTO TOOLS

		D	L				
623215	16	20,9	65	19	80	4B	**53.61**
623216	18	22,3	65	22	92	4B	**57.38**
623217	21	25,6	65	19	111	4B	**57.05**

196HX NOU

Cheie hexagonala cu maner in T

- *material: premium plus otel carbon*
- *finisaj suprafata: zincat conform ISO 2081:2018 (E)*
- *profilul HX este calit prin inducte*
- *codul de culoare al dimensiunii cheii este situat pe manerul în T.*
- *cheia se caracterizeaza, de asemenea, prin greutatea redusa si echilibrul de lucru excelen*
- *lungimea cheii în T asigura accesibilitatea in locurile care nu pot fi atinse cu cheile conveniionale.*
- *marcarea dimensiunilor cu coduri de culoare asigura identificarea si selectarea usoara si rapida a dimensiunii potrivite pentru munca dumneavoastra*





UNIOR MOTO TOOLS

		B	L			
629488	4	180	260	94	4B	**53.01**
629489	5	180	260	95	4B	**53.23**
629490	6	180	260	128	4B	**57.58**

196N NOU

Cheie tubulara cu maner in T

- *material: premium plus otel carbon*
- *finisaj suprafata: zincat conform ISO 2081:2018 (E)*
- *profilul tubular este calit prin inducte*
- *codul de culoare al dimensiunii cheii este situat pe manerul în T.*
- *cheia se caracterizeaza, de asemenea, prin greutatea redusa si echilibrul de lucru excelen*
- *lungimea cheii în T asigura accesibilitatea in locurile care nu pot fi atinse cu cheile conveniionale.*
- *marcarea dimensiunilor cu coduri de culoare asigura identificarea si selectarea usoara si rapida a dimensiunii potrivite pentru munca dumneavoastra*





UNIOR MOTO TOOLS

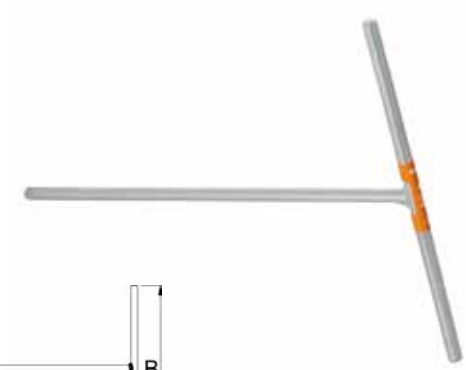
		B	L		
629491	6	200	300	200	**76.45**
629492	8	200	300	200	**76.45**
629493	10	200	300	215	**77.99**
629494	12	200	300	225	**79.02**

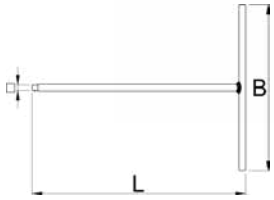
196Q

NOU

Cheie cu patrat 1/4” si maner in T

- *material: premium plus otel carbon*
- *finisaj suprafata: zincat conform ISO 2081:2018 (E)*
- *profilul de antrenare 1/4” este calit prin inducte*
- *codul de culoare al dimensiunii cheii este situat pe manerul în T.*
- *cheia se caracterizeaza, de asemenea, prin greutatea redusa si echilibrul de lucru excelen*
- *lungimea cheii în T asigura accesibilitatea in locurile care nu pot fi atinse cu cheile conveniionale.*
- *marcarea dimensiunilor cu coduri de culoare asigura identificarea si selectarea usoara si rapida a dimensiunii potrivite pentru munca dumneavoastra*





UNIOR MOTO TOOLS

		B	L			
629495	1/4”	200	257	177	4B	66.90

3401/2P

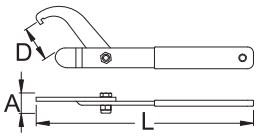
Cheie cu gheara pentru motociclete

- *material: otel special de scule*
- *finisarea suprafetei: acoperire cromare conform ISO 1456:2009*
- *maner tras in plastic*
- *versiune subtire a cheii permite lucrul pe piulite cu cap mic*

Utilizare:

- *pentru ajustarea amortizoarele telescopice la motociclete si scutere*
- *pentru diametre de la 32mm la 60mm*





UNIOR MOTO TOOLS

	L	D	D	L			
620413	20	32	60	220	186	4B	49.18

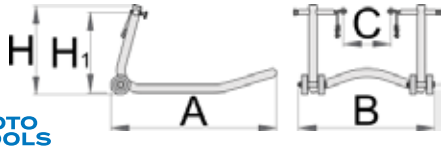


3000/6

Stand fata pentru motociclete

- *material: otel constructii*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *adaptorii sunt placati cu crom, in cocordanta cu ISO 1456:2009*
- *ajustabil la latimea furcii de fata a motocicletei de la 180-250mm*
- *constructia solida permite o capacitate de incarcare pna la 200Kg*
- *adaptoare rapide si standuri de reglaj*
- *adaptori de schimb rapid si standuri de reglare*
- *standul este folosit pentru servisarea motocicletelor in garaj*
- *este folosibil la majoritatea tipurilor de motociclete*





UNIOR MOTO TOOLS

	A	B	MC	H	H1			
620259	705	610	375	345	310	5800	1V	791.97

3001/6A

Stand spate pentru motocilclete

- *material: otel constructii*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *adaptorii sunt placati cu crom, in cocordanta cu ISO 1456:2009*
- *ajustabil la deschiderea furcii din spate a motocicletei, intre 270-360mm*
- *adaptoarele sunt acoperite cu PVC*
- *constructia solida permite o capacitate de incarcare pna la 200Kg*
- *adaptoare rapide si standuri de reglaj*
- *adaptori de schimb rapid si standuri de reglare*
- *standul este folosit pentru servisarea motocicletelor in garaj*
- *este folosibil la majoritatea tipurilor de motociclete*





UNIOR MOTO TOOLS

620260	5200	1V	671.15

3001/6B

Stand de spate pentru motociclete cu adaptor in V

- *material: otel constructii*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *adaptorii sunt placati cu crom, in cocordanta cu ISO 1456:2009*
- *ajustabil la deschiderea furcii din spate a motocicletei, intre 270-360mm*
- *constructia solida permite o capacitate de incarcare pna la 200Kg*
- *adaptoare rapide si standuri de reglaj*
- *adaptori de schimb rapid si standuri de reglare*
- *standul este folosit pentru servisarea motocicletelor in garaj*
- *eate folosibil la majoritatea tipurilor de motociclete*



UNIOR MOTO TOOLS

624300	4700	1V	628.36



1863MOTO

Covor garaj

- *o fata din nylon si cealalta din cauciuc nitrilic*
- *previne scurgerile de lichide (ulei, apa si benzina) datorita absorbtiei extreme*
- *covorul de garaj pentru motociclete este lavabil*





UNIOR Motorbike tools

L	B				
628574	2000	1000	5238	1G	987.54

3302/6

Stand de motociclete pentru aliniere roata

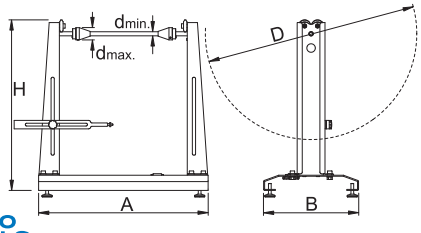
- *material otel special de scule*
- *elemente de structura lacuite, alte elemente placate cu zinc*
- *suportul este destinat in principal pentru folosire in atelierele de reparatii motociclete, dar si pentru utilizatori casnici.*
- *suportul are o nivela cu bula care permite reglarea in pozitia orizontala.*
- *permite controlul pozitie radiale a jentii cu ajutorul unui senzor*
- *geometria calibrului de reglare asigura un control axial simultan pentru acuratetea reglarii rotii*
- *suportul permite ajustarea conurilor pa axa rotii pentru ca aceasta sa fie centrata pe rulmentul propriu, evitandu-se astfel eventualele erori de centrare*
- *are doua inaltimi pentru instalarea rotii, in functie de largime*
- *rotatia axei pe un rulment extern permite centrarea dupa metoda standard*

Utilizare:

- *pot fi centrate roti cu dimensiuni pana la maximum 32"*
- *pentru arbori de dimensiuni intre 12mm si 36mm*







UNIOR MOTO TOOLS

DT	d min	d max	A	B	H				
620297	32"	12	36	500	280	525	9600	4B	1072.79

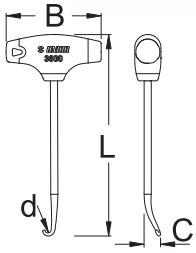
3600/2BI

Carlig arcuri motocicleta

• *material: lama din otel special de scule*
• *maner ergonomic rezistent bimaterial*

Utilizare:
• *scula este folosita pentru asamblarea si demontarea arcurilor (arcul de la suport, sa si rezervor, sistemul de evacuare, ca scula pentru asamblarea lantului de la arborele cotit, etc.)*
• *pentru toate tipurile de motociclete*







UNIOR MOTO TOOLS

	d	C	B	L			
620411	4,2	130	80	170	67	4B	**83.11**

516/4

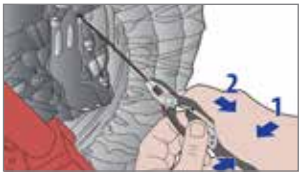
Clestele de rasucit pentru asigurare

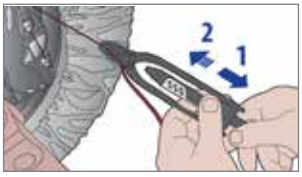
• *clestele de sigurantat este un instrument versatil care va ajuta sa realizati rapid si consecvent blocarea cu fir rasucit*
• *asigurarile cu sarma rasucita, raman cea mai pozitiva si sigura metoda de fixare a elementelor de fixare critice care nu trebuie lasate sa se desface: orice tendinta de slabire a dispozitivului de fixare este contracarata prin strangerea firului de siguranta.*
• *capacitate de rasucire si taiere*
• *sarma de otel inox diametrul 0,5 mm fara tratament termic*
• *sarma moale diametrul 0.8 mm*

Utilizare:
• *strangerea suruburilor, capacelor de ulei, a robinetului de evacuare, a supapelor si a conectorilor electrici cu rasucire unica*

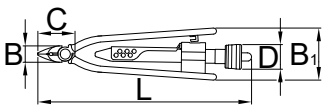












UNIOR MOTO TOOLS

	L	B	B1	C	D			
627530	213	19	49	40	24	250	1G	**255.41**

3700MX PROKIT

Trusa mobila servisare motocicleta de teren

• *utilizare de uz profesional pe teren*
• *geanta cu 35 buzunare personalizate pentru fiecare scula in parte pentru eficienta sporita*
• *contine 107 scule adecvate interventiilor rapide necesare la fata locului*
• *geanta impermeabila durabila in timp pentru lucrul in conditii atmosferice variate*
• *dimensiuni interioare: 500x350x194 mm*
• *gabarit exterior: 555x428x211 mm*
• *fundul este prevazut cu spuma protectie de 470x170 mm pentru asezarea sculelor aditionale trusei*
• *supapa automata de descarcare presiune interioara*
• *valiza heavy-duty etansa la apa si praf din compozit rezistent*



UNIOR MOTO TOOLS

628977	106	19200	1G	**6991.80**

125/1 (6, 8, 10, 12, 13, 14, 16, 17, 19, 21, 22, 27, 30, 32); **186.4/2A** (14); **188.1/1ABI** (1/4") **188.3/2** (1/4"); **188.4/2** (1/4"x55, 1/4"x150); **188.6/2** (1/4"); **188/2 6p** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13, 12, 14); **190.1/1ABI** (1/2"); **190.3/1** (1/2"); **190.4/1** (1/2"x125, 1/2"x250); **190.6/2** (1/2") **190.7/2** (1/2"x3/8"); **190/1 6p** (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32); **192/2HX** (6, 7, 8, 10, 12, 14, 17); **193N** (6, 8, 10); **193TX** (TX 15, TX 20, TX 25, TX 30) **192/2TXL** (TX 45); **220/3SLPH; 220/7TXPH; 300/2** (500 (3x)); **461/1BI** (140); **449/1PYTHON** (240); **506/1BI** (140); **516/4** (213); **556A** (160x18); **605TBI** (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x100, 1.2 x 8.0x175); **615TBI** (PH 1x80, PH 2x100); **710R** (2 m); **820A** (22); **2042/2** (115); **3301/2** (5x6x6,3x7, 5,4x5,6x6,5x6,8); **3202/1P; 3600/2BI** (4,2)

SET1-3800MX

NOU

Set de scule in modul SOS 1 pentru 3800MX



UNIOR MOTO TOOLS

629522	21	2920	1G	**1241.88**

120/1 (7, 8, 10 (2x), 12, 13, 14, 17, 19), **2 x 300/2** (300), **508/1BI** (170), **556A** (160x18), **605TBI** (0.8x4.0x100, 1.2x6.5x125), **615TBI** (PH 1x80, PH 2x100), **710R** (3 m), **820B** (40), **3202/1P, vl1.3800MX** (560x267x30)

SET2-3800MX NOU

Set de scule in modul SOS 2 pentru 3800MX



UNIOR MOTO TOOLS

629523	40	3280	1G	1409.02

187/2HX (3, 4, 5, 6, 7), **187/2TX** (TX 30, TX 40), **188/2 6p** (8, 10, 12, 13, 14), **190.3/1** (1/2"), **190/1 6p** (24, 27, 30, 32), **192/2TXL** (TX 45), **236/2HX** (6, 8), **238.1/1ALBI** (3/8"), **238.4/1** (3/8"x250), **238.7/1** (3/8" - 1/2", 3/8" - 1/4"), **238/1 6p** (10, 12, 13, 14, 15, 17, 19, 21, 22), **2042/5** (115), **3301/2** (5x6x6,3x7, 5,4x5,6x6,5x6,8), **188.6/2** (1/4"), **3600/2BI** (4,2), **196Q** (1/4"), **vl2.3800MX** (560x267x30)

SET3-3800MX NOU

Set de scule in modul SOS 3 pentru 3800MX



UNIOR MOTO TOOLS

629524	5	1240	1G	487.28

196N (8, 10, 12), **h.3002.T.WRE, vl3.3800MX** (560x267x40)

SET1-3800ENDURO NOU

Set de scule in modul SOS 1 pentru 3800ENDURO



UNIOR MOTO TOOLS

629531	29	3080	1G	1393.91

238.1/1ALBI (3/8"), **190.3/1** (1/2"), **238.7/1** (3/8" - 1/2", 3/8" - 1/4"), **238/1 6p** (10, 12, 13, 17, 19, 21), **190/1 6p** (27, 30, 32), **238.4/1S** (3/8"x125), **196Q** (1/4"), **187/2TX** (TX 15, TX 20, TX 25, TX 30, TX 40), **231/4ATX** (TX 45), **187/2HX** (3), **236/2HX** (8), **3058/2** (21), **186.4/2A** (14), **3301/2** (5,4x5,6x6,5x6,8), **629TBI** (6), **3600/2BI** (4,2), **h.3002.T.WRE**

SET2-3800ENDURO NOU

Set de scule in modul SOS 2 pentru 3800ENDURO



UNIOR MOTO TOOLS

629532	21	4955	1G	1493.23

196N (8, 10, 12), **196HX** (4, 5, 6), **110/1** (8 x 10, 10 x 11, 12 x 13), **120/1** (17, 19, 21, 27, 30, 32), **160/2** (10), **605TBI** (0.8 x 4.0x100, 1.2 x 6.5x125), **615TBI** (PH 1x80, PH 2x100), **300/2** (300)

SET3-3800ENDURO NOU

Set de scule in modul SOS 3 pentru 3800ENDURO



UNIOR MOTO TOOLS

629533	10	2405	1G	1299.62

407/4DP (170), **447/1HPP** (240), **461/1BI** (160), **3202/1P, 556B** (160x18), **710P** (3 m), **820B** (40), **271** (0 - 150), **2042/5** (115), **2035**

3800MX NOU

Set de scule MX Master



UNIOR MOTO TOOLS

629509	67	30600	1G	6483.16

3800 (694x336x400), **SET1-3800MX, SET2-3800MX, SET3-3800MX**

3800ENDURO NOU

Set de scule Enduro Essentials



UNIOR MOTO TOOLS

629530	61	33600	1G	7531.77

3800 (694x336x400), **SET1-3800ENDURO, SET2-3800ENDURO, SET3-3800ENDURO**

SET1-3800ROAD NOU

Set de scule în tava 1 pentru 3800ROAD



UNIOR MOTO TOOLS

629549	31	2870	1G	1375.25

187/2HX (3, 4, 5, 6); **236/2HX** (8, 10); **192/2HX** (12); **238.7/1** (3/8" - 1/2", 3/8" - 1/4"); **238/1 6p** (8, 10, 12, 13, 14, 15, 17, 19); **238.1/1ALBI** (3/8"); **238.4/1** (3/8"x250); **196Q** (1/4"); **196N** (8, 10); **196HX** (4, 5); **h.3002.T.WRE; 605TBI** (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 8.0x175); **615TBI** (PH 1x80, PH 2x100)

SET2-3800ROAD NOU

Set de scule în tava 2 pentru 3800ROAD



UNIOR MOTO TOOLS

629550	19	3580	1G	1049.67

120/1 (6, 8, 10 (2x), 11, 12 (2x), 13, 14, 15, 16, 17, 19, 22, 24); **125/1** (27, 30, 32)

SET3-3800ROAD NOU

Set de scule în tava 3 pentru 3800ROAD



UNIOR MOTO TOOLS

629551	17	3860	1G	1643.44

406/1BI (180); **514/1BI** (160); **447/1HPP** (240); **516/4** (213); **3058/2** (16, 18, 21); **186.4/2** (19) **192/2HX** (22, 24); **190/1 6p** (30, 32); **190/1 12p** (36); **190.1/1ABI** (1/2"); **3600/2BI** (4,2) **2086** (150)

SET4-3800ROAD NOU

Set de scule în tava 4 pentru 3800ROAD



UNIOR MOTO TOOLS

629552	11	2250	1G	757.54

820B (40); **205/2** (60 - 140); **2087** (1); **556A** (160x18); **710R** (2 m); **300/2** (300 (2x)); **2042/5** (115) **3401/2P; 641/6** (3)

3800ROAD NOU

Set de scule Road Pro Tool Set



UNIOR MOTO TOOLS

629557	79	35110	1G	8170.82

3800 (694x336x400), **SET1-3800ROAD, SET2-3800ROAD, SET3-3800ROAD, SET4-3800ROAD**

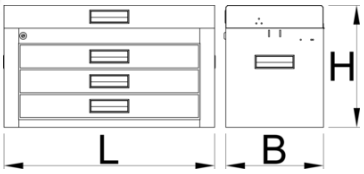
3800 NOU

Cutie scule

• pentru toti pasionatii de motociclete care depun eforturi pentru un mediu de lucru ordonat si le place sa-si repare motocicletele în confortul casei sale, cutia de scule portabila este alegerea potrivita. Indiferent daca sunteti pe teren, la pista de curse sau acasa, trusele de instrumente vor fi intotdeauna bine depozitate si organizate
• material: tabla premium PLUS
• sistem de inchidere centralizata pentru sertar si capac cu incuietoare
• acoperit cu culoare eco din standardul de calitate Qualicoat
• sertarele au glisiere cu rulment cu bile cu inchidere usoara
• deschidere asistată de stifturi de gaz
• sertarele 100% extensibile permit o imagine de ansamblu buna si acces usor la instrumente.
• 3 sertare (L 563 x l 270 x H 75 mm)
• spatiu de depozitare sub capac de 560 x 267 mm
• maner ergonomic pentru transportul cutiei de scule si deschiderea sertarului
• posibilitatea de a extinde functionalitatea cutiei de scule cu suporturi pentru chei in T si surubelnite







UNIOR MOTO TOOLS

	L	B	H			
629487	694	336	400	21400	1G	3345.00

h.3002.SCR NOU

Suport pentru surubelnite

• pentru reparatii mai rapide si de mai bună calitate la motoarele dvs., suportul pentru surubelnite este alegerea potrivită pentru dvs. Accesibil rapid, actualizat si clar aranjat, acest suport va va permite sa aveti un mediu de lucru mai rapid si mai organizat.
• montarea sa usoara pe cutia de instrumente va ofera, de asemenea, portabilitate, indiferent unde va aflati.
• utilizabil cu cutia de scule 3800
• usor de agatat pe cutia de instrumente (stanga si dreapta)
• 6 locasuri de depozitare a surubelnitelor
• acces rapid si usor la cheile in T



UNIOR MOTO TOOLS

629513	340	1G	157.89

h.3002.T.WRE NOU

Suport pentru chei cu maner in T

• pentru reparatii mai rapide si de mai bună calitate la motoarele dvs., suportul pentru surubelnite este alegerea potrivită pentru dvs. Accesibil rapid, actualizat si clar aranjat, acest suport va va permite sa aveti un mediu de lucru mai rapid si mai organizat.
• montarea sa usoara pe cutia de instrumente va ofera, de asemenea, portabilitate, indiferent unde va aflati.
• utilizabil cu cutia de scule 3800
• usor de agatat pe cutia de instrumente (stanga si dreapta)
• 8 locasuri de depozitare a surubelnitelor
• acces rapid si usor la cheile in T







UNIOR MOTO TOOLS

629485	193	1G	145.81

992PIT1 NOU

Statie de lucru 500x825x1500 mm PIT BOX

• statie de lucru mobila inovatoare, special conceputa pentru pasionatii de moto
• dezvoltat in stransa colaborare cu un renumitul expert in motociclete, PITBOX este solutia perfecta pentru amatori si echipe profesionale din industria moto.
• Unior PITBOX ofera libertate de miscare si spatiu suficient pentru toate nevoile dumneavoastra
• proiectat avand in vedere funcționalitatea si caracterul practic, ofera spatiu de lucru amplu pentru depozitarea uneltelor si a articolelor mai mari
• PITBOX vă permite sa personalizati suprafata de lucru in functie de nevoile dvs.
• puteti alege intre blaturile din lemn, plastic, metal sau inox, asigurand flexibilitate si functionalitate completa.
• nu numai că va facilitează munca, dar imbunatateste și organizarea si eficienta in intretinerea autovehiculelor.
• pe spatele caruciorului sunt instalate un cablu electric si un furtun pentru racordarea aerului comprimat
• toate cele patru roti pivotante la 360° au un diametru de 125 mm, asigurand manevrabilitate si pozitionare perfecta a caruciorului; o roata este echipata cu frana si una cu blocare a directiei.
• in partea inferioara a caruciorului, sunt patru panouri care ascund vederea rotilor si confera caruciorului un aspect si mai estetic
• panourile pot fi ridicate inainte de mutare si sunt atașate magnetic inapoi la colturile caruciorului.
• caneluri practice sunt situate pe partea stanga si dreaptă a caruciorului pentru montarea surubelnitelor si a suporturilor pentru chei T.
• contine 7 sertare standard, oferind suficient spatiu pentru un mediu de lucru organizat si ordonat si pentru depozitarea sculelor











UNIOR MOTO TOOLS

629515	694	336	400	21400	1G	18602.00



SCULE PENTRU ELECTRONISTI

Precizie

Sculele pentru electronisti se disting prin acuratetea de fabricatie si functionalitatea excelenta, care garanteaza o adaptare completa fata de obiectul de lucru, chiar in locuri mai greu accesibile.

Eficacitate

Sculele au mai multe functii, cum ar fi taierea, inlaturarea si sertizarea firelor, ceea ce face ca lucrul sa fie mai rapid si fara efort fizic suplimentar

UNIOR Eklind EGA Master ART IN INNOVATION TIVOLY narex

Clesti electronisti 781

Surubelnite electronisti 783

Scule electronisti ESD 787

Truse scule electronisti 788

Pensete 790

Scule de perforare 790





Descarcarea electrostatica (ESD) este un fenomen electrostatic care determina un curent electric brusc si de scurta durata intre doua obiecte diferite cu potential electric diferit.

Produsele ESD disipa energia electrostatica intr-un mod sigur si controlat pentru utilizator si componentele electronice. Acestea sunt instrumentele perfecte pentru aplicatii electronice.

Manere antiderapante din material dublu si ergonomice, cu un sentiment placut la atingere pentru cele mai bune performante.

Sfaturi de siguranta:
Nu confundati uneltele ESD cu cele izolate. Uneltele ESD nu trebuie utilizate cu componente supuse tensiunii electrice.



Durabilitate

Materialele de calitate previn uzura rapida a sculei, elementele de siguranta fac posibile reparatiile fara risc de ranire, iar forma ergonomica asigura folosirea sigura, confortabila si simpla.



62241 NOU

Cleste combinat pentru electronisti

- *acesti clesti sunt potriviti pentru aplicatii electrice datorita dimensiunilor reduse. Sunt conceputi pentru prindere, indoire, taiere... pentru orice lucru care necesită precizie ridicata*
- *manerele bicomponente asigura o prindere antiderapanta, ergonomica si un confort maxim*
- *TITACROM® - este un tratament special de suprafata, mai rezistent la coroziune decat cromul standard, rezistent la impact si frecare, nereflectant cu finisaj foarte atractiv*
- *arc dublu pentru o deschidere usoara si uniforma*

DIN 9655



	L	B	C	A				
62241	125	21	8	19	70	4B	6	120.09

62247 NOU

Cleste tais lateral pentru electronisti

- *acesti clesti sunt potriviti pentru aplicatii electrice datorita dimensiunilor reduse. Sunt conceputi pentru prindere, indoire, taiere... pentru orice lucru care necesită precizie ridicata*
- *manerele bicomponente asigura o prindere antiderapanta, ergonomica si un confort maxim*
- *TITACROM® - este un tratament special de suprafata, mai rezistent la coroziune decat cromul standard, rezistent la impact si frecare, nereflectant cu finisaj foarte atractiv*
- *arc dublu pentru o deschidere usoara si uniforma*

DIN 9654



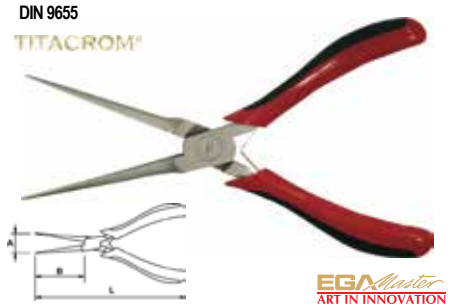
	L	B	A	C				
62247	115	15	13	13	60	4B	6	104.33

62246 NOU

Cleste cu varfuri semirotunde drepte pentru electronisti

- *acesti clesti sunt potriviti pentru aplicatii electrice datorita dimensiunilor reduse. Sunt conceputi pentru prindere, indoire, taiere... pentru orice lucru care necesită precizie ridicata*
- *manerele bicomponente asigura o prindere antiderapanta, ergonomica si un confort maxim*
- *TITACROM® - este un tratament special de suprafata, mai rezistent la coroziune decat cromul standard, rezistent la impact si frecare, nereflectant cu finisaj foarte atractiv*
- *arc dublu pentru o deschidere usoara si uniforma*

DIN 9655



	L	B	A					
62246	150	48	65		65	4B	6	104.33

62249 NOU

Cleste cu tais fata pentru electronisti

- *acesti clesti sunt potriviti pentru aplicatii electrice datorita dimensiunilor reduse. Sunt conceputi pentru prindere, indoire, taiere... pentru orice lucru care necesită precizie ridicata*
- *manerele bicomponente asigura o prindere antiderapanta, ergonomica si un confort maxim*
- *TITACROM® - este un tratament special de suprafata, mai rezistent la coroziune decat cromul standard, rezistent la impact si frecare, nereflectant cu finisaj foarte atractiv*
- *arc dublu pentru o deschidere usoara si uniforma*

DIN 9654



	L	B	C	A				
62249	110	7.5	17	19	60	4B	6	114.59

62242 NOU

Cleste cu varfuri plate pentru electronisti

- *acesti clesti sunt potriviti pentru aplicatii electrice datorita dimensiunilor reduse. Sunt conceputi pentru prindere, indoire, taiere... pentru orice lucru care necesită precizie ridicata*
- *manerele bicomponente asigura o prindere antiderapanta, ergonomica si un confort maxim*
- *TITACROM® - este un tratament special de suprafata, mai rezistent la coroziune decat cromul standard, rezistent la impact si frecare, nereflectant cu finisaj foarte atractiv*
- *arc dublu pentru o deschidere usoara si uniforma*

DIN 9655



	L	B	A					
62242	125	28	21	65	4B	6	97.86	

62244 NOU

Cleste cu varfuri semirotunde pentru electronisti

- *acesti clesti sunt potriviti pentru aplicatii electrice datorita dimensiunilor reduse. Sunt conceputi pentru prindere, indoire, taiere... pentru orice lucru care necesită precizie ridicata*
- *manerele bicomponente asigura o prindere antiderapanta, ergonomica si un confort maxim*
- *TITACROM® - este un tratament special de suprafata, mai rezistent la coroziune decat cromul standard, rezistent la impact si frecare, nereflectant cu finisaj foarte atractiv*
- *arc dublu pentru o deschidere usoara si uniforma*

DIN 9655



	L	B	A	C				
62244	125	28	42	8	65	4B	6	108.12



62243 NOU

Cleste cu varfuri rotunde pentru electronisti

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partea de prindere dintata*
- *manere bimaterial pentru conditii grele*

DIN 9655



	L	B	A					
62243	125	25	40	60	4B	6	106.26	

62248 NOU

Cleste tais lateral triunghiular pentru electronisti

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *partea de prindere dintata*
- *manere bimaterial pentru conditii grele*

DIN 9654



	L	A	B	C							
62248	115	25	14	13	2,0	1,0	1,5		60		103.51

62245 NOU

Cleste cu varfuri semirotunde

- *acesti clesti sunt potriviti pentru aplicatii electrice datorita dimensiunilor reduse. Sunt conceputi pentru prindere, indoire, taiere... pentru orice lucru care necesită precizie ridicata*
- *manerele bicomponente asigura o prindere antiderapanta, ergonomica si un confort maxim*
- *TITACROM® - este un tratament special de suprafata, mai rezistent la coroziune decat cromul standard, rezistent la impact si frecare, nereflectant cu finisaj foarte atractiv*
- *arc dublu pentru o deschidere usoara si uniforma*

DIN 9655

TITACROM®



	L	B	C	A				
62245	125	26	9	44	65	4B	6	97.04

64730

Cleste combinat ESD cu maner bimaterial

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial cu protectie ESD*



	L	A	B	C		
64730	120	25	22	8	75	274.99

64731

Cleste cu varfuri drepte ESD cu maner bimaterial

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial cu protectie ESD*



	L	A	B	C		
64731	130	38	36	-	90	247.25

64732

Cleste cu varfuri rotunde ESD cu maner bimaterial

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial cu protectie ESD*



	L	A	B	C		
64732	130	47	27	-	75	268.74

64733

Cleste cu varfuri semirotunde drepte ESD cu maner bimaterial (pentru telefonie)

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial cu protectie ESD*



	L	A	B	C		
64733	135	33	40	9	90	274.99

64734

Cleste cu varfuri semirotunde indoite ESD cu maner bimaterial (pentru telefonie)

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial cu protectie ESD*



	L	A	B	C		
64734	135	31	36	9	90	292.68

64735

Cleste cu varfuri semirotunde ascutite ESD cu maner bimaterial

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial cu protectie ESD*



	L	A	B	C		
64735	155	70	47	-	85	265.54

64736

Cleste cu tais lateral ESD cu maner bimaterial

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial cu protectie ESD*



	L	A	B	C		
64736	120	18	14	13	75	274.99

64737

Cleste cu tais fata ESD cu maner bimaterial

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial cu protectie ESD*



	L	A	B	C		
64737	110	10	9	18	90	278.11

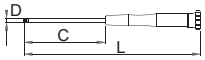
8326 NOU

Surubelnita port bit 4 mm MICRO LINE PROFI

- *potrivite pentru asamblarea si repararea dispozitivelor mici (de exemplu, telefoane mobile, instrumente de masură sau camere).*
- *material: otel aliat tratat*
- *suprafata cromata*
- *partea de lucru cu finisaj negru*
- *maner cu 2 componente cu sectiune transversală rotunda*
- *miez dur PP, capac moale TPE*



narex







	C	L	D				
832600	SW4	25	132	4.0	13	4A	1	**28.11**

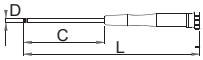
619E

Surubelnita electronica cu profil TS

- *material: tija-crom vanadiu tratata complet*
- *maner ergonomic rezistent bimaterial*
- *model cu protectie anticoroziva*
- *maner cu cap rotitor*
- *pentru suruburi pentalobe*
- *folosire: pentru modelele mai noi de Apple iPhone*



UNIOR



		C	L	D				
623364	TS 1	60	153	2,5	13	4A	1	**40.33**

615E

Surubelnite cu profil Phillps pentru electronisti

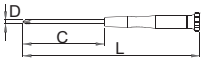
- *material: tija-crom vanadiu tratata complet*
- *maner ergonomic rezistent bimaterial*
- *model cu protectie anticoroziva*
- *maner cu cap rotitor*

DIN 5262PH, ISO 8764PH

Premium



UNIOR



		C	L	D				
608304	PH 000	60	153	2.5	12	4A	10	**36.72**
608305	PH 00	60	153	2.5	12	4A	10	**31.48**
608306	PH 0	60	153	3	14	4A	10	**22.13**
608307	PH 1	80	173	4.5	22	4A	10	**22.79**

605E

Surubelnite varf plat pentru electronisti

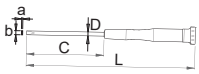
- *material: tija-crom vanadiu tratata complet*
- *maner ergonomic rezistent bimaterial*
- *model cu protectie anticoroziva*
- *maner cu cap rotitor*

DIN 5266, ISO 2381

Premium



UNIOR



	a x b	C	L	D				
608296	0.25x1.2	60	153	2.5	10	4A	10	**27.54**
608297	0.23x1.5	60	153	2.5	11	4A	10	**27.05**
608298	0.3x1.8	60	153	2.5	12	4A	10	**26.56**
608299	0.4x2.5	75	168	2.5	12	4A	10	**24.75**
608300	0.5x3.0	100	193	3	13	4A	10	**22.79**
608301	0.5x3.0	150	243	3	18	4A	10	**25.08**
608302	0.8x4.0	100	193	4	23	4A	10	**25.74**
608303	0.8x4.0	150	243	4	28	4A	10	**26.72**

621E

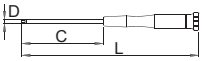
Surubelnite cu profil TORX pentru electronisti

- *material: tija-crom vanadiu tratata complet*
- *maner ergonomic rezistent bimaterial*
- *model cu protectie anticoroziva*
- *maner cu cap rotitor*

Premium



UNIOR



		C	L	D				
604546	TX 4	60	153	3	12	4A	10	**27.87**
604547	TX 5	60	153	3	12	4A	10	**27.87**
608310	TX 6	60	153	3	13	4A	10	**27.87**
608311	TX 7	60	153	3	14	4A	10	**27.87**
608312	TX 8	60	153	3	12	4A	10	**27.87**
608313	TX 9	60	153	3	15	4A	10	**28.20**
608314	TX 10	60	153	3	14	4A	10	**28.20**
608315	TX 15	60	153	3.5	17	4A	10	**28.20**
608316	TX 20	80	173	4	19	4A	10	**29.67**

625E

Surubelnite cu profil Pozidrive pentru electronisti

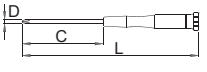
- *material: tija-crom vanadiu tratata complet*
- *maner ergonomic rezistent bimaterial*
- *model cu protectie anticoroziva*
- *maner cu cap rotitor*

DIN 5262PZ, ISO 8764PZ

Premium



UNIOR



		C	L	D				
608308	PZ 0	60	153	3	13	4A	10	**23.11**
608309	PZ 1	80	173	4.5	26	4A	10	**23.93**

608CS5E

Set de surubelnite pentru electronisti in cutie de carton



UNIOR

Premium

620962	5	133	1G	1	**138.20**

615E (PH 000x60, PH 00x60, PH 0x60, PH 1x80)

625E (PZ 0 x 60)

606CS5E

Set de surubelnite pentru electronisti in cutie de carton



UNIOR

Premium

620959	5	131	1G	1	**131.31**

605E (0.23 x 1.5 x 60, 0.3 x 1.8 x 60, 0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100)

607CS7E

Set de surubelnite pentru electronisti in cutie de carton



UNIOR

Premium

620960	7	170	1G	1	**176.23**

605E (0.3 x 1.8 x 60, 0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100),

615E (PH 00 x 60, PH 0 x 60, PH 1 x 80)

621CS7E

Set de surubelnite TORX pentru electronisti in cutie de carton



UNIOR

Premium

620961	TX 6 - TX 20 / 7	166	1G	1	**197.54**

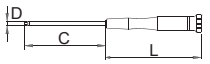
621E(TX 6, TX 7, TX 8, TX 9, TX 10, TX 15, TX 20)

Hex MM PSD™

Surubelnite cu profil hexagonal, cap rotativ

- *instrumente profesionale de calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratat termic pentru rezistenta si ductilitate optime*
- *finisat cu oxid negru Eklind® pentru a rezista la rugina*
- *surubelnitele de precizie Eklind® PSD au manere mai mari si o suprafata moale pentru un confort si ergonomie sporite*
- *include capac rotativ mare pentru control precis*
- *dimensiune marcata permanent pe capacul rotativ*
- *varf prelucrat cu precizie.*
- *cod albastru pentru METRIC*





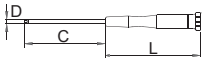
		C	L				
92407	0,7	64	168	50	4A	10	**14.59**
92409	0,9	64	168	50	4A	10	**14.59**
92413	1,3	64	168	50	4A	10	**17.54**
92415	1,5	64	168	50	4A	10	**17.21**
92420	2,0	64	168	50	4A	10	**15.57**
92425	2,5	64	168	63	4A	10	**14.59**
92430	3,0	64	168	63	4A	10	**14.59**
92440	4,0	64	168	63	4A	10	**14.59**

Ball-Hex MM PSD™

Surubelnite cu profil hexagonal varf sferic, cap rotativ

- *instrumente profesionale de calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratat termic pentru rezistenta si ductilitate optime*
- *finisat cu oxid negru Eklind® pentru a rezista la rugina*
- *surubelnitele de precizie Eklind® PSD au manere mai mari si o suprafata moale pentru un confort si ergonomie sporite*
- *include capac rotativ mare pentru control precis*
- *dimensiune marcata permanent pe capacul rotativ*
- *varf prelucrat cu precizie.*
- *cod albastru pentru METRIC*

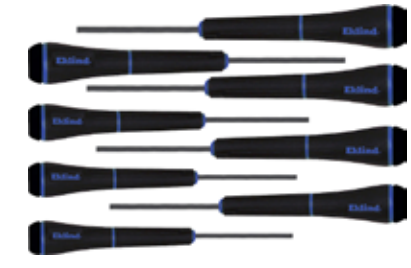




		C	L				
92613	1,27	64	168	50	4A	10	**14.59**
92615	1,5	64	168	50	4A	10	**14.59**
92620	2,0	64	168	50	4A	10	**14.59**
92625	2,5	64	168	63	4A	10	**14.59**
92630	3,0	64	168	63	4A	10	**14.59**
92640	4,0	64	168	63	4A	10	**14.59**

92400

Set surubelnite cu profil hexagonal cap rotativ



92400	8	450	1G	1	**97.70**

HEX PSD™: 0,7; 0,9; 1,3; 1,5; 2,0; 2,5; 3,0; 4,0

92600

Set surubelnite cu profil hexagonal varf sferic, cap rotativ



92600	6	350	1G	1	**73.44**

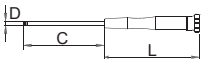
BALL-HEX PSD™: 1,3; 1,5; 2,0; 2,5; 3,0; 4,0

Hex inch PSD™

Surubelnite cu profil hexagonal, cap rotativ

- *instrumente profesionale de calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratat termic pentru rezistenta si ductilitate optime*
- *finisat cu oxid negru Eklind® pentru a rezista la rugina*
- *surubelnitele de precizie Eklind® PSD au manere mai mari si o suprafata moale pentru un confort si ergonomie sporite*
- *include capac rotativ mare pentru control precis*
- *dimensiune marcata permanent pe capacul rotativ*
- *varf prelucrat cu precizie.*
- *cod rosu pentru INCH*





		C	L				
92301	.028"	64	168	50	4A	10	**14.59**
92302	.035"	64	168	50	4A	10	**14.59**
92303	.050"	64	168	50	4A	10	**14.59**
92304	1/16"	64	168	50	4A	10	**14.59**
92305	5/64"	64	168	50	4A	10	**14.59**
92306	3/32"	64	168	63	4A	10	**14.59**
92307	7/34"	64	168	63	4A	10	**14.59**
92308	1/8"	64	168	63	4A	10	**14.59**
92309	9/64"	64	168	63	4A	10	**14.59**
92310	5/32"	64	168	63	4A	10	**14.59**

92300

Set surubelnite cu profil hexagonal cap rotativ



92300	10	550	1G	1	**122.46**

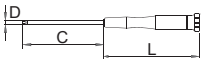
HEX PSD™: .028; .035; .050; 1/16"; 5/65"; 3/32"; 7/64"; 1/8"; 9/64"; 5/32

Ball-Hex inch PSD™

Surubelnite cu profil hexagonal varf sferic, cap rotativ

- *instrumente profesionale de calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratat termic pentru rezistenta si ductilitate optime*
- *finisat cu oxid negru Eklind® pentru a rezista la rugina*
- *surubelnitele de precizie Eklind® PSD au manere mai mari si o suprafata moale pentru un confort si ergonomie sporite*
- *include capac rotativ mare pentru control precis*
- *dimensiune marcata permanent pe capacul rotativ*
- *varf prelucrat cu precizie.*
- *cod rosu pentru INCH*





		C	L				
92502	.035"	64	168	50	4A	10	**14.59**
92503	.050"	64	168	50	4A	10	**14.59**
92504	1/16"	64	168	50	4A	10	**14.59**
92505	5/64"	64	168	50	4A	10	**14.59**
92506	3/32"	64	168	50	4A	10	**14.59**
92507	7/34"	64	168	63	4A	10	**14.59**
92508	1/8"	64	168	63	4A	10	**14.59**
92509	9/64"	64	168	63	4A	10	**14.59**
92510	5/32"	64	168	63	4A	10	**14.59**

92500

Set surubelnite cu profil hexagonal varf sferic, cap rotativ



92500	8	550	1G	1	**97.70**

BALL-HEX PSD™: .050; 1/16"; 5/65"; 3/32""; 7/64""; 1/8"; 9/64"; 5/32"

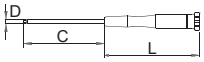


Slotted MM PSD™

Surubelnite cu profil lat, cap rotativ

- *instrumente profesionale de calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratat termic pentru rezistenta si ductilitate optime*
- *finisat cu oxid negru Eklind® pentru a rezista la rugina*
- *surubelnitele de precizie Eklind® PSD au manere mai mari si o suprafata moale pentru un confort si ergonomie sporite*
- *include capac rotativ mare pentru control precis*
- *dimensiune marcata permanent pe capacul rotativ*
- *varf prelucrat cu precizie.*
- *cod galben pentru profil Slott, Phillips si Pozidrive*





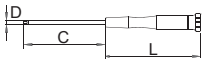
		C	L				
92008	0,8	64	168	50	4A	10	14.59
92010	1,0	64	168	50	4A	10	14.59
92012	1,2	64	168	50	4A	10	14.59
92015	1,5	64	168	50	4A	10	14.59
92018	1,8	64	168	50	4A	10	14.59
92020	2,0	64	168	50	4A	10	14.59
92025	2,5	64	168	63	4A	10	14.59
92030	3,0	64	168	63	4A	10	14.59
92035	3,5	64	168	63	4A	10	14.59
92040	4,0	64	168	63	4A	10	14.59

PoziDriv PSD™

Surubelnite cu profil Pozidriv, cap rotativ

- *instrumente profesionale de calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratat termic pentru rezistenta si ductilitate optime*
- *finisat cu oxid negru Eklind® pentru a rezista la rugina*
- *surubelnitele de precizie Eklind® PSD au manere mai mari si o suprafata moale pentru un confort si ergonomie sporite*
- *include capac rotativ mare pentru control precis*
- *dimensiune marcata permanent pe capacul rotativ*
- *varf prelucrat cu precizie.*
- *cod galben pentru profil Slott, Phillips si Pozidrive*





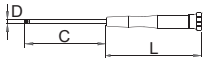
		C	L				
92100	PZ 0	64	168	50	4A	10	14.59
92101	PZ 1	64	168	50	4A	10	14.59

Phillips PSD™

Surubelnite cu profil Phillips, cap rotativ

- *instrumente profesionale de calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratat termic pentru rezistenta si ductilitate optime*
- *finisat cu oxid negru Eklind® pentru a rezista la rugina*
- *surubelnitele de precizie Eklind® PSD au manere mai mari si o suprafata moale pentru un confort si ergonomie sporite*
- *include capac rotativ mare pentru control precis*
- *dimensiune marcata permanent pe capacul rotativ*
- *varf prelucrat cu precizie.*
- *cod galben pentru profil Slott, Phillips si Pozidrive*





		C	L				
92108	PH 000	64	168	50	4A	10	14.59
92109	PH 00	64	168	50	4A	10	14.59
92110	PH 0	64	168	50	4A	10	14.59
92111	PH 1	64	168	50	4A	10	14.59

92199

Set surubelnite pentru electronisti



92199	10	550	1G	1	122.46

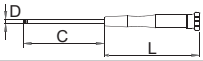
SL PSD™: 1,0; 1,5; 2,0; 2,5; 3,0; 4,0
PH PSD™: PH 000; PH 00; PH 0; PH 1

TORX® PSD™

Surubelnite cu profil TORX, cap rotativ

- *instrumente profesionale de calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratat termic pentru rezistenta si ductilitate optime*
- *finisat cu oxid negru Eklind® pentru a rezista la rugina*
- *surubelnitele de precizie Eklind® PSD au manere mai mari si o suprafata moale pentru un confort si ergonomie sporite*
- *include capac rotativ mare pentru control precis*
- *dimensiune marcata permanent pe capacul rotativ*
- *varf prelucrat cu precizie.*
- *cod verde pentru profil TORX*

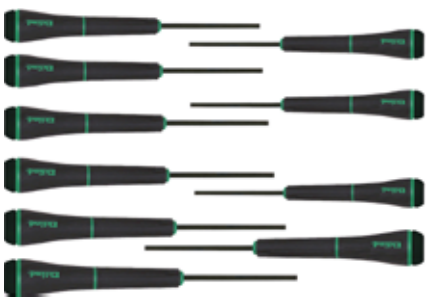




		C	L				
92203	T3	64	168	50	4A	10	14.59
92204	T4	64	168	50	4A	10	14.59
92205	T5	64	168	50	4A	10	14.59
92206	T6	64	168	50	4A	10	14.59
92207	T7	64	168	50	4A	10	14.59
92208	T8	64	168	50	4A	10	14.59
92209	T9	64	168	63	4A	10	14.59
92210	T10	64	168	63	4A	10	14.59
92215	T15	64	168	63	4A	10	14.59
92220	T20	64	168	63	4A	10	14.59

92200

Set surubelnite profil TORX pentru electronisti



92200	10	550	1G	1	122.46

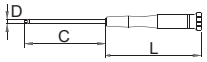
TORX PSD™: T3; T4; T5; T6; T7; T8; T9; T10; 15; T20

TORX® Plus PSD™

Surubelnite cu profil TORX Plus, cap rotativ

- *instrumente profesionale de calitate industriala*
- *fabricat din otel aliat Eklind®*
- *tratat termic pentru rezistenta si ductilitate optime*
- *finisat cu oxid negru Eklind® pentru a rezista la rugina*
- *surubelnitele de precizie Eklind® PSD au manere mai mari si o suprafata moale pentru un confort si ergonomie sporite*
- *include capac rotativ mare pentru control precis*
- *dimensiune marcata permanent pe capacul rotativ*
- *varf prelucrat cu precizie.*
- *cod gri pentru profil TORX Plus*

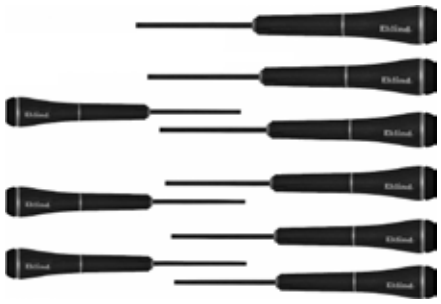




		C	L				
92704	4IP	64	168	50	4A	10	17.54
92705	5IP	64	168	50	4A	10	17.54
92706	6IP	64	168	50	4A	10	17.54
92707	7IP	64	168	50	4A	10	17.54
92708	8IP	64	168	50	4A	10	17.54
92709	9IP	64	168	50	4A	10	17.54
92710	10IP	64	168	63	4A	10	17.54
92715	15IP	64	168	63	4A	10	17.54
92720	20IP	64	168	63	4A	10	17.54

92700

Set surubelnite profil TORX Plus pentru electronisti



92700	9	550	1G	1	140.16

TORX Plus PSD™: 4IP, 5IP, 6IP, 7IP, 8IP, 9IP, 10IP, 15IP, 20IP

8336 NOU

Surubelnite Phillips pentru electronisti MICRO LINE PROFI 8336

- *potrivite pentru asamblarea si repararea dispozitivelor mici (de exemplu, telefoane mobile, instrumente de masură sau camere).*
- *material: otel aliat tratat*
- *suprafata cromata*
- *partea de lucru cu finisaj negru*
- *maner cu 2 componente cu sectiune transversală rotunda*
- *miez dur PP, capac moale TPE*



		Diametru lama	Lungime lama	Dimensiuni maner	
833651	PH 000	2,0	60	107 x 15	17.93
833652	PH 00	2,0	60	107 x 15	17.93
833653	PH 0	3,0	60	107 x 15	17.93
833654	PH 1	4,0	60	107 x 15	17.93

8335 NOU

Surubelnite late pentru electronisti MICRO LINE PROFI 8335

- *potrivite pentru asamblarea si repararea dispozitivelor mici (de exemplu, telefoane mobile, instrumente de masură sau camere).*
- *material: otel aliat tratat*
- *suprafata cromata*
- *partea de lucru cu finisaj negru*
- *maner cu 2 componente cu sectiune transversală rotunda*
- *miez dur PP, capac moale TPE*





		Diametru lama	Lungime lama	Dimensiuni maner	
833551	1,2	2,5	60	107 x 15	17.93
833552	1,5	2,5	60	107 x 15	17.93
833553	1,8	2,5	60	107 x 15	17.93
833554	2,5	2,5	75	107 x 15	17.93
833555	3,0	3,0	100	107 x 15	17.93
833557	4,0	4,0	100	107 x 15	17.93

8337 NOU

Surubelnite Pozidriv pentru electronisti MICRO LINE PROFI 8337

- *potrivite pentru asamblarea si repararea dispozitivelor mici (de exemplu, telefoane mobile, instrumente de masură sau camere).*
- *material: otel aliat tratat*
- *suprafata cromata*
- *partea de lucru cu finisaj negru*
- *maner cu 2 componente cu sectiune transversală rotunda*
- *miez dur PP, capac moale TPE*



		Diametru lama	Lungime lama	Dimensiuni maner	
833750	PZ 0	3,0	60	107 x 15	17.93
833751	PH 1	4,0	60	107 x 15	17.93

8338 NOU

Surubelnite TORX pentru electronisti MICRO LINE PROFI 8338

- *potrivite pentru asamblarea si repararea dispozitivelor mici (de exemplu, telefoane mobile, instrumente de masură sau camere).*
- *material: otel aliat tratat*
- *suprafata cromata*
- *partea de lucru cu finisaj negru*
- *maner cu 2 componente cu sectiune transversală rotunda*
- *miez dur PP, capac moale TPE*



		Diametru lama	Lungime lama	Dimensiuni maner	
833854	TX 4	3,0	50	107 x 15	17.93
833855	TX 5	3,0	50	107 x 15	17.93
833856	TX 6	3,5	50	107 x 15	17.93
833857	TX 7	3,5	50	107 x 15	17.93
833858	TX 8	3,5	60	107 x 15	17.93
833859	TX 9	4,0	60	107 x 15	18.30
833860	TX 10	4,0	60	107 x 15	18.30
833865	TX 15	4,0	60	107 x 15	18.30
833870	TX 20	4,0	80	107 x 15	18.30

8626 22 NOU

Set surubelnite late si Phillips pentru electronisti MICRO LINE PROFI 8626

- *material: otel aliat tratat*
- *suprafata cromata*
- *partea de lucru cu finisaj negru*
- *maner cu 2 componente cu sectiune transversală rotunda*
- *miez dur PP, capac moale TPE*



862622	6	534	1	102.95

Slotted (1.8 x 60; 2.5 x 75; 3.0 x 100)
Pozidrive (PH000 x 60; PH00 x 60; PH0x60)

8626 51 NOU

Set surubelnite late si Phillips pentru electronisti MICRO LINE PROFI 8626

- *material: otel aliat tratat*
- *suprafata cromata*
- *partea de lucru cu finisaj negru*
- *maner cu 2 componente cu sectiune transversală rotunda*
- *miez dur PP, capac moale TPE*



862651	6	733	1	118.69

Slotted (1.5 x 60; 1.8 x 60; 2.5 x 75; 3.0 x 100)
Phillips (PH0 x 60; PH1 x 60)

8626 71 NOU

Set surubelnite late, Pozidrive si Phillips pentru electronisti MICRO LINE PROFI

- *material: otel aliat tratat*
- *suprafata cromata*
- *partea de lucru cu finisaj negru*
- *maner cu 2 componente cu sectiune transversală rotunda*
- *miez dur PP, capac moale TPE*



862671	6	733	1	118.69

Slotted (1.5 x 60; 2.5 x 75)
Phillips (PH0 x 60; PH1 x 60)
Pozidrive (PZ0 x 60; PZ1 x 60)

8626 52 NOU

Set surubelnite late si Pozidrive pentru electronisti MICRO LINE PROFI 8626

- *material: otel aliat tratat*
- *suprafata cromata*
- *partea de lucru cu finisaj negru*
- *maner cu 2 componente cu sectiune transversală rotunda*
- *miez dur PP, capac moale TPE*



862652	6	733	1	118.69

Slotted (1.5 x 60; 1.8 x 60; 2.5 x 75; 3.0 x 100)
Pozidrive (PZ0 x 60; PZ1 x 60)

69434 NOU

Set de 3 clesti electronisti in husa

- *acesti clesti sunt potriviti pentru aplicatii electrice datorita dimensiunilor reduse. Sunt conceputi pentru prindere, indoire, taiere... pentru orice lucru care necesită precizie ridicata*
- *manerele bicomponente asigura o prindere antiderapanta, ergonomica si un confort maxim*
- *TITACROM® - este un tratament special de suprafata, mai rezistent la coroziune decat cromul standard, rezistent la impact si frecare, nereflectant cu finisaj foarte atractiv*
- *arc dublu pentru o deschidere usoara si uniforma*



69434	3	433	1	340.79

62241 (125), **62249** (110), **62247** (115),

69433 NOU

Set de 8 scule electronisti in husa

- *acesti clesti sunt potriviti pentru aplicatii electrice datorita dimensiunilor reduse. Sunt conceputi pentru prindere, indoire, taiere... pentru orice lucru care necesită precizie ridicata*



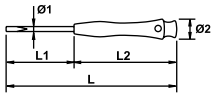
69433	8	433	1	709.92

62244 (125), **62249** (110), **62247** (115),
62245 (125), **62246** (150), **69530** (115)
66846 (50 x 2) **66850** (PH 00)

Surubelnite ESD cu profil lat, pentru electronisti

- *pentru toate lucrarile pe componente electrostatic sensibile*
- *surubelnițele sunt potrivite pentru lucrul cu echipamente electronice datorita dimensiunilor mici*
- *tijele sunt fabricate din otel al Cr-V de inalta calitate*
- *varfurile au un finisaj cromat mat si ofera o precizie si durabilitate ridicate datorita unui proces de fabricatie mecanizat*
- *manerele bi-materiale asigură disiparea sarcinii statice intr-un mod sigur si controlat, in afara de a permite o buna prindere ergonomica*



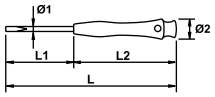


	A	B	Ø1	Ø2	L	L1	L2		
64740	1	0,2	2	16	140	40	100	14	**48.41**
64741	1,5	0,3	2	16	140	40	100	14	**48.41**
64742	2	0,4	2	16	160	60	100	16	**48.41**
64743	2,5	0,4	2,5	16	160	60	100	17	**48.41**
64744	3	0,5	3	16	160	60	100	19	**48.41**
64745	3,5	0,6	3,5	16	160	60	100	21	**48.41**
64746	4	0,7	4	16	160	60	100	24	**48.41**

Surubelnite ESD cu profil lat, pentru electronisti

- *pentru toate lucrarile pe componente electrostatic sensibile*
- *surubelnițele sunt potrivite pentru lucrul cu echipamente electronice datorita dimensiunilor mici*
- *tijele sunt fabricate din otel al Cr-V de inalta calitate*
- *varfurile au un finisaj cromat mat si ofera o precizie si durabilitate ridicate datorita unui proces de fabricatie mecanizat*
- *manerele bi-materiale asigură disiparea sarcinii statice intr-un mod sigur si controlat, in afara de a permite o buna prindere ergonomica*



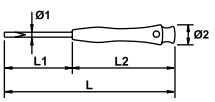


	A	B	Ø1	Ø2	L	L1	L2		
55459	5/64"	3/64"	2	16	140	2"	100	14	**48.41**
55460	5/64"	1/16"	2	16	140	2"	100	14	**48.41**
55461	5/64"	5/64"	2	16	160	2"	100	16	**48.41**
55463	1/8"	1/8"	3	16	160	2"	100	19	**48.41**
55464	9/64"	9/64"	3,5	16	160	2"	100	21	**48.41**
55465	5/32"	5/32"	4	16	160	2"	100	24	**48.41**

Surubelnite ESD cu profil Phillips, pentru electronisti

- *pentru toate lucrarile pe componente electrostatic sensibile*
- *surubelnițele sunt potrivite pentru lucrul cu echipamente electronice datorita dimensiunilor mici*
- *tijele sunt fabricate din otel al Cr-V de inalta calitate*
- *varfurile au un finisaj cromat mat si ofera o precizie si durabilitate ridicate datorita unui proces de fabricatie mecanizat*
- *manerele bi-materiale asigură disiparea sarcinii statice intr-un mod sigur si controlat, in afara de a permite o buna prindere ergonomica*



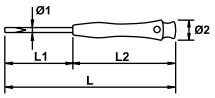


		Ø1	Ø2	L	L1	L2		
64747	PH000	2,5	16	160	60	100	17	**49.38**
64748	PH00	3,0	16	160	60	100	19	**49.38**
64749	PH1	4,0	16	160	60	100	24	**49.38**

Surubelnite ESD cu profil Pozidriv, pentru electronisti

- *pentru toate lucrarile pe componente electrostatic sensibile*
- *surubelnițele sunt potrivite pentru lucrul cu echipamente electronice datorita dimensiunilor mici*
- *tijele sunt fabricate din otel al Cr-V de inalta calitate*
- *varfurile au un finisaj cromat mat si ofera o precizie si durabilitate ridicate datorita unui proces de fabricatie mecanizat*
- *manerele bi-materiale asigură disiparea sarcinii statice intr-un mod sigur si controlat, in afara de a permite o buna prindere ergonomica*



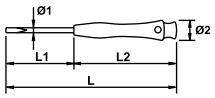


		Ø1	Ø2	L	L1	L2		
64753	PZ0	3,0	16	160	60	100	19	**51.61**
64754	PZ1	4,0	16	160	60	100	24	**54.28**

Surubelnite ESD cu profil TORX, pentru electronisti

- *pentru toate lucrarile pe componente electrostatic sensibile*
- *surubelnițele sunt potrivite pentru lucrul cu echipamente electronice datorita dimensiunilor mici*
- *tijele sunt fabricate din otel al Cr-V de inalta calitate*
- *varfurile au un finisaj cromat mat si ofera o precizie si durabilitate ridicate datorita unui proces de fabricatie mecanizat*
- *manerele bi-materiale asigură disiparea sarcinii statice intr-un mod sigur si controlat, in afara de a permite o buna prindere ergonomica*



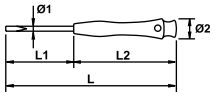


		Ø1	L1	L2	L	Ø2		
64756	TX 4	2,5	40	100	140	16	14	**78.08**
64757	TX 5	2,5	40	100	140	16	14	**78.08**
64758	TX 6	2,5	40	100	140	16	14	**78.38**

Surubelnite ESD cu profil TORX cu gaura, pentru electronisti

- *pentru toate lucrarile pe componente electrostatic sensibile*
- *surubelnitele sunt potrivite pentru lucrul cu echipamente electronice datorita dimensiunilor mici*
- *tijele sunt fabricate din otel al Cr-V de inalta calitate*
- *varfurile au un finisaj cromat mat si ofera o precizie si durabilitate ridicate datorita unui proces de fabricatie mecanizat*
- *manerele bi-materiale asigură disiparea sarcinii statice intr-un mod sigur si controlat, in afara de a permite o buna prindere ergonomica*





		Ø1	L1	L2	L	Ø2		
64762	TTX 7	2,5	40	100	140	16	15	**86.33**
64763	TTX 8	2,5	40	100	140	16	15	**90.57**
64764	TTX 9	3,0	60	100	160	16	19	**95.03**
64765	TTX 10	3,0	60	100	160	16	19	**99.79**

Bratara ESD pentru electronisti

- *pentru toate lucrarile pe componente electrostatic sensibile*



	L		
64767	8 ft	35	**64.69**



68898

Set surubelnite si clesti ESD pentru electronisti



68898	8	550	1G	1	**1194.08**

64730 (115), **64736** (115), **64733** (135)
64742 (2.0x60 mm) **64744** (3.0x60 mm)
64747 (PH00) **64748** (PH0) **64749** (PH1)

68899

Set surubelnite ESD pentru electronisti



68899	6	550	1G	1	**332.09**

64742 (2.0x60 mm) **64744** (3.0x60 mm)
64747 (PH00) **64748** (PH0)
64753 (PZ0) **64754** (PZ1)

11501570041

Trusa biti si accesorii pentru intretinere si reparatie Smartphone si tablete - 32 piese

• trusa completa care permite demontarea celor mai multe aparate (aparate electrice, de comunicare, televizoare, optice, calculatoare etc), pentru lucrari de precizie (modelism), precum si a Smartphone-urilor, tabletelor si a iPhone-urilor





Pentalobe 0,8-0,8-1,2-1,5 - iPhone 4/5/6

TORX cu gaura TTX 6 - 6

Lat 1,5/2,0/2,5

HX 1,5/1,5/2,0

TX4/TX5/TX6/TX8/TX10

PH000/PH00/PH0/PH1

Triunghiular TZ30 (3 mm)

Tri-Lobe #0/#0

1 adaptor 6,35 mm pentru biti 4 mm
1 intermediar
1 antrenor de precizie pentru biti
1 prelungitor
1 penseta
2 despartitoare
1 ventuza pentru ecran

HEXA 4 mm

TIVOLY

11501570041	32 piese	199.67

11501570043

Trusa biti si accesorii pentru intretinere si reparatie Smartphone si tablete - 17 piese

• un kit de baza mini pentru Smartphone, tablete etc.
• ideal pentru Iphone, Samsung, BlackBerry, Motorola, Nokia, HTC, Ipad, Sonny PSP Slimetc.
• contine noii biti (pentalobe) esentiali pentru iPhone 4/5/6 inclusiv noul iPhone 7



Pentalobe 0,8 - 0,8 - 1,2 – 1,2

Lat 1,5 / 2,0

TX3 / TX4 / TX5 / TX6

PH000 / PH0

1 antrenor de precizie pentru biti

1 extractor carduri SIM

2 despartitoare

1 ventuza pentru ecran

TIVOLY

11501570043	17 piese	105.57

11501570042

Trusa biti si accesorii pentru intretinere si reparatie Smartphone si tablete - 57 piese

• un kit de baza mini pentru Smartphone, tablete etc.
• ideal pentru Iphone, Samsung, BlackBerry, Motorola, Nokia, HTC, Ipad, Sonny PSP Slimetc.
• contine noii biti (pentalobe) esentiali pentru iPhone 4/5/6 inclusiv noul iPhone 7





• curea de mana antistatica pentru a proteja dispozitivele electronice impotriva deteriorarii electrostatice
• ventuza mica
• 5x instrumente de plastic pentru a demontare
• 2x pene pentru deschidere dispozitivele electronice
• penseta curbata - cu falci zimtate pentru o mai buna aderenta
• spatula metalica
• cutit - instrument util pentru deschiderea dispozitivelor
• 1x maner pentr biti
• 1x prelungitor
• 1 extractor de cartele SIM
• set de 42 de biti:

	28 mm	6	0,8-0,8-1,2-1,2-1,5-2 mm
	28 mm	5	PH000-PH000-PH00-PH0-PH1
	28 mm	1	U2,6
	28 mm	6	TX3-4-5-6-8-10
	28 mm	5	TTX6-7-8-9-10
	28 mm	2	3,8-4,5 mm
	28 mm	5	TA 18-20-23-27-32
	28 mm	3	SL1,5-2-2,5 mm
	28 mm	3	H1,5-1,5-2
	50 mm	3	Y000-Y0-Y1
	50 mm	1	ELIPSE
	50 mm	2	Y0-Y1

TIVOLY

11501570042	57 piese	287.21



11501570026

Trusa biti si accesorii pentru aplicatii de precizie 35 piese

• trusa completa care permite demontarea celor mai multe aparate (aparate electrice, de comunicare, televizoare, optice, calculatoare etc), pentru lucrari de precizie (modelism)



- 1,0 / 1,5 / 2,0 / 2,5 / 3,0/ 3,5/4,0
- PH000 / PH00 / PH0 / PH1
- PZ 0 / PZ1
- 3
- 0,7 / 0,9 / 1,3 / 1,5 / 2,0 /2,5 / 3,0 / 4,0
- 2,6
- TX4 / TX5 / TX6 / TX7 / TX8 TX9 / TX10 / TX15 / TX20
- 0

TIVOLY

11501570026	35 piese	114.92

11501570038

Trusa biti si accesorii pentru plicatii de precizie 17 piese

• trusa care permite demontarea celor mai multe aparate (aparate electrice, de comunicare, televizoare, optice, calculatoare etc), pentru lucrari de precizie (modelism)



- PZ1 / PZ2 x 25; PZ1 / PZ2 x 120 mm
- PH1 / PH2 x 25; PH1 / PH2 x 120 mm
- TX10 / TX15 / TX20 / TX25 x 25 mm TX10 / TX15 / TX20 / TX25 x 120 mm

TIVOLY

HEXA 6.35mm | DIN 3126 | HEXA 6.35mm | Ø=Ø

11501570038	17 piese	101.97

11501570025

Trusa biti si accesorii pentru aplicatii de precizie 27 piese

• trusa completa care permite demontarea celor mai multe aparate (aparate electrice, de comunicare, televizoare, optice, calculatoare etc), pentru lucrari de precizie (modelism)



- 2,0 / 3,0 / 4,0
- 2,5 / 3,0 / 3,5 / 4,0 / 4,5/5,0
- PH00 / PH0 / PH1 / PH2
- 4,0 / 4,5 / 5,0 / 5,5 / 6,0
- TX 5 / TX 6 / TX7 / TX8/ TX 9 / TX10 / TX15

HEXA 4mm

TIVOLY

11501570025	27 piese	147.14

701664

Set biti de precizie 60 piese

• prindere hexagonala de 4 mm: speciala pentru biti de precizie
• pentru biti foarte mici, proiectati pentru utilizare manuala cu maner de antrenare
• otel S2
• cutie ergonomica
• tratati antioxidare
• dimensiuni cutie: 205x100x26 mm
• greutate: 0,327

IN CURAND



C4 mm | Material S2 | 60 piese

Componenta

• 1 surubelnita de precizie hexagonala magnetica de 4 mm
• 1 x prelungitor magnetica de 4 mm lungime
• 1 x prelungitor flexibila magnetica de 4 mm
• 1 x adaptor pentru biti de 4 mm cu coadă hexagonala 6,35 mm

- PH 2 interior
- 2-3-4-5
- 2,6-3
- 1-1,5-2-2,5 3,5 mm
- 6-7-8-9-10 15-20
- 0-1-2
- 0,7-0,9-1,3 1,5-2-2,5-3 4-4,5-5 6 mm
- 1-1,5-2 2,5-3-3,5 4 mm
- 2,5-3-3,5 4-4,5-5 5,5 mm
- Y 0,6 2-2,5
- 0,8-1,2 1,5
- 2-3
- 0,8 extractor card SIM

KRONUS Professional Quality

902786	60 piese	327	92.30

701665

Set biti de precizie 60 piese

• prindere hexagonala de 4 mm: speciala pentru biti de precizie
• pentru biti foarte mici, proiectati pentru utilizare manuala cu maner de antrenare
• otel S2
• cutie ergonomica
• tratati antioxidare
• dimensiuni cutie: 205x100x26 mm
• greutate: 0,327

IN CURAND



C4 mm | Material S2 | 60 piese

Componenta

• 1 surubelnita de precizie hexagonala magnetica de 4 mm
• 1 x prelungitor magnetica de 4 mm lungime
• 1 x prelungitor flexibila magnetica de 4 mm
• 1 x adaptor pentru biti de 4 mm cu coadă hexagonala 6,35 mm

- PH 2 interior
- (2x) 2-3-4-5
- 2,6-3
- 1-1,5-2-2,5 3,5 mm
- 6-7-8-9-10 15-20
- 0-1-2
- 0,7-0,9-1,3 1,5-2-2,5-3 4-4,5-5 6 mm
- 1-1,5-2 2,5-3-3,5 4 mm
- 2,5-3-3,5 4-4,5-5 5,5 mm
- 2-3
- 0,8 extractor card SIM

KRONUS Professional Quality

902787	60 piese	327	92.30

11110420001

IN LIMITA STOCULUI

Placa magnetica pentru reparatii

• organizeaza toate componentele dispozitivului la care lucrati
• puteti lua notite chiar pe placa si evitati sa faceti greseli
• economisiti pana la 40% timp la remontarea dispozitivului
• suprafata magnetica puternica este sigura pentru echipamentele electronice magnetismul este reglat astfel incat suruburile mici sa nu alunece
• dimensiuni: 25,4 x 20,32 x 0,25 cm



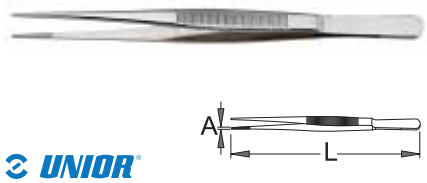
TIVOLY

11110420001	L x l x h 254x203.2x2.5	75.41

1342

Penseta plata

- *material otel inoxidabil*



UNIOR

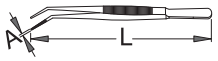
	L	A				
619280	160	2	25	4A	10	31.31

1343

Penseta plata cu varfuri indoite

- *material otel inoxidabil*





UNIOR

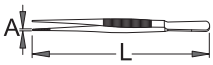
	L	A				
619281	155	2	26	4A	10	31.31

1344

Penseta plata

- *material otel inoxidabil*





UNIOR

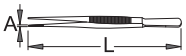
	L	A				
619282	140	1.5	18	4A	10	24.26

1345

Penseta ascutita

- *material otel inoxidabil*





UNIOR

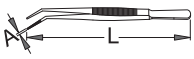
	L	A				
619283	115	1.5	11	4A	10	21.48

1346

Penseta ascutita cu varfuri indoite

- *material otel inoxidabil*





UNIOR

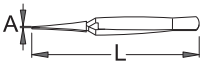
	L	A				
619284	165	2	28	4A	10	31.31

1347

Penseta cu varfuri ascutite incrucisate

- *material otel inoxidabil*





UNIOR

	L	A				
619285	115	1.2	15	4A	10	19.84

1348

Penseta cu varfuri tip lopata

- *material otel inoxidabil*





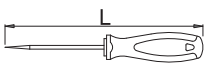
UNIOR

	L	A				
619286	120	1	12	4A	10	21.31

639A

Scula de gaurit rotunda cu lama dreapta







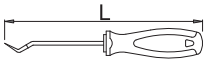
UNIOR

	L				
617773	165	31	4B	10	21.31

639C

Scula de gaurit cu lama rotunda dublu indoita







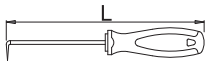
UNIOR

	L				
617775	165	31	4B	10	24.26

639B

Scula de gaurit rotunda, lama indoita la 90°







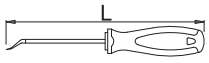
UNIOR

	L				
617774	165	31	4B	10	24.26

639D

Scula de gaurit rotunda,dublu indoita si lama mica







UNIOR

	L				
617776	165	31	4B	10	25.74

639PB

Set scule de gaurit



UNIOR

617777	4	140	1F	1	95.74

639A (165), 639B (165), 639C (165), 639D (165)



SCULE CONSTRUCTII SI AMENAJARI

FSC (Forest Stewardship Council)

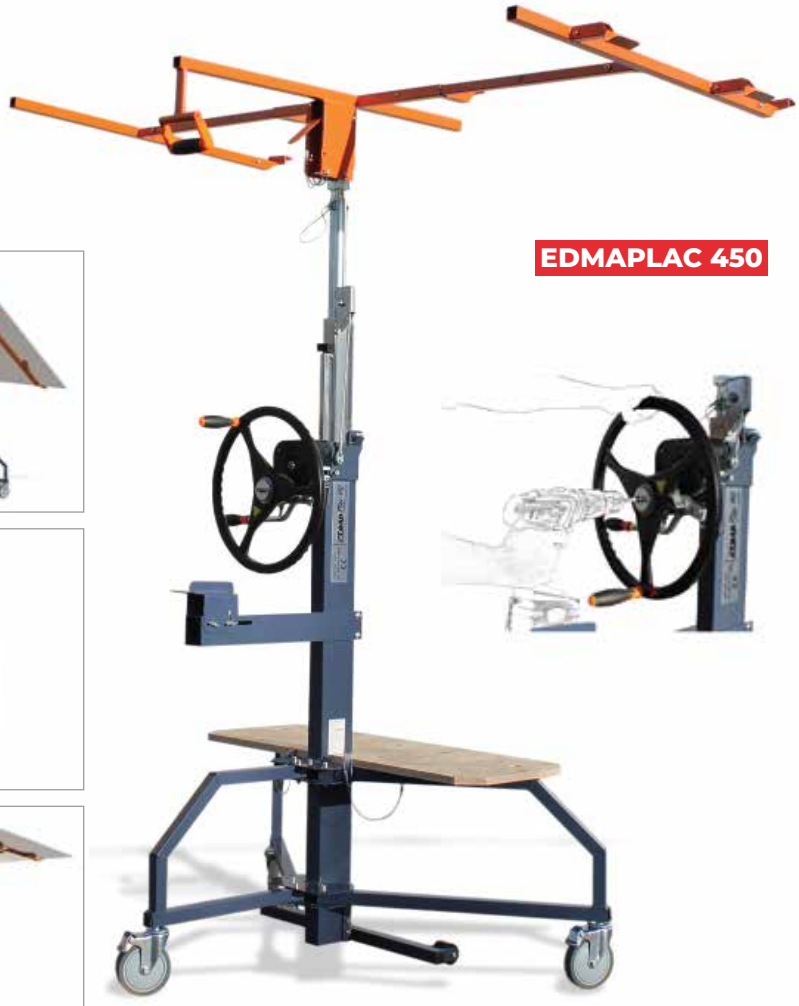
FSC (Forest Stewardship Council) este o organizatie independenta, neguvernamentala si non-profit aparuta in anul 1993 pentru a promova un management forestier responsabil in padurile din intreaga lume.

Scule amenajari

scule pentru gips-carton, scule pentru zidarie, scule pentru montare izolatii exterioare, scule montare acoperisuri, scule pentru montare podele, scule pentru montare gabioane

EDMA UN OUTIL D'AVANCE · KRONUS Professional Quality · Finie · Zbirovia · Malco · GRUPPO stamplast

EDMA®
UN OUTIL D'AVANCE









EDMA UN OUTIL D'AVANCE

SCULE AMENAJARI INTERIOARE SI EXTERIOARE

- Scule pentru gips-caron
- Scule pentru zidarie
- Scule izolari exterioare
- Scule montare acoperisuri
- Scule montare podele
- Scule montare gabioane



Mistrii si gletiere	793
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7150R

Mistrie rotunjita

- *material: OLC 50*
- *grosime: 0,7 mm*
- *duritate 52 HRC*
- *maner lemn*



	mm		
71560	180	260	**17.00**
71561	200	285	**18.12**
71562	210	335	**18.56**

7150P

Mistrie patrata

- *material: OLC 50*
- *grosime: 0,7 mm*
- *duritate 52 HRC*
- *maner lemn*



	mm		
71571	180	260	**17.00**
71572	200	285	**18.12**

7150T

Mistrie triunghiulara

- *material: OLC 50*
- *grosime: 0,7 mm*
- *duritate 52 HRC*
- *maner lemn*



	mm		
71578	140	215	**10.50**
71579	160	240	**11.20**

7011

Gletiera cu maner de lemn

- *material: 3cr13*
- *grosime: 0,7 mm*
- *maner lemn*



	mm		
70111	200 x 80	360	**38.93**
70110	240 x 100	385	**41.39**
70112	130 x 280	435	**46.54**



EDMAPLAC® 450

Dispozitiv cu cremaliera pentru ridicat placi gips-carton EDMAPLAC® 450

- *pentru a ridica placile de gips-carton in toate pozitiile: orizontala (instalare pe tavan), unghiulara (instalare pe tavan inclinat) si verticala (instalare pe perete)*
- *sistem inovator de franare cu 2 manere (frana principala + frana de siguranta) pentru a cobori rapid panoul sub control*
- *functionare automata datorita functieri de utilizare cu ajutorul masinilor de insurubat electrice*
- *sistemul sau cu cremaliera si pinion permite ridicarea placilor de gips-carton cu mai putin efort decat alte platforme de ridicat*
- *design ergonomic cu maner bi-material pentru a inclina suportul superior in pozitie verticala*
- *placa de lemn suport pentru scule inclusa*
- *usor de trecut prin usa datorita picioarelor pliabile*
- *3 roti, inclusiv 2 roti cu frana*
- *fara zgomot in timpul ridicarii placilor pe santier*
- *certificat CE*
- *in conformitate cu directiva europeana "MACHINERY"-2006/42/CE.*
- *aprobat prin raportul de conformitate VERITAS nr. 628 8214-1.*

SPECIFICAȚII:

- *dimensiunile maxime ale placii: 1,20 x 3,60 m*
- *dimensiunile minime ale placii: 0,15 x 0,60 m*
- *inaltime maxima cu extensie: 4,50 m*
- *inaltime maxima fara extensie: 3,50 m*
- *inaltime minima: 161 cm*
- *inaltime maxima pentru ridicare verticala cu o inaltime de 2,50 m: 5,75 m*
- *inaltimea de incarcare a placii fara extensie: 84 cm*
- *latime minima in pozitie de miscare / depozitare: 63 cm*









	dimensiune maxima placa	dimensiune minima placa	inaltime maxima cu extensie		
267355	1,20 x 3,60 m	0,15 x 0,60 m	4,50 m	60000	**6718.69**

EDMAPLAC CABLE

NOU

Dispozitiv cu scripete pentru ridicat placi gips-carton EDMAPLAC CABLE

- *cap rotativ la 360°.*
- *ridică placa de gips-carton in poziție orizontala si inclinata*
- *cablu dublu pentru ridicare si coborare = siguranta.*
- *scripeti cu rulment cu bile pentru un efort mai mic.*
- *troliu cu maner bimaterial.*
- *maner basculant ergonomic pentru incarcarea usoara a placii de gips-carton.*
- *dimensiuni mai mici, mai usoare, mai putin voluminoase.*
- *trecere usoara a usii datorită picioarelor laterale rabatabile.*
- *echipat cu 3 roti, 2 cu frana si 2 roti de stabilizare/transport.*
- *se livreaza asamblat cu exceptia capului.*
- *certificare CE.*
- *conform directivei europene "MACHINERY" - 2006/42/CE.*
- *aprobat prin raportul de conformitate VERITAS #10673478-1.*

SPECIFICAȚII :

- *sarcina maxima: 60 kg.*
- *dimensiuni maxime placa : 1,20 x 3,60 m.*
- *dimensiuni minime placa : 0,15 x 0,60 m.*
- *inaltime maxima: 3,50 m.*
- *inaltime minima: 1,6 m.*
- *inaltimea de incarcare a placii: 80 cm.*
- *dimensiuni : 131 x 85 x 25 cm.*

EDMAPLAC CABLE





EDMA

	dimensiune maxima placa	dimensiune minima placa	inaltime maxima cu extensie		
268655	1,20 x 3,60 m	0,15 x 0,60 m	3,50 m	42500	**3890.98**

EDMABLADE

NOU

Gletiera pentru finisare cu lama rigida

- *adaptabila pe maner telescopic EDMA (conector si maner sunt furnizate separat)*
- *lama din otel inoxidabil de 0,5 mm cu margini rotunjite*



EDMA

	mm		
371655	15	160	**135.08**
371755	25	290	**169.67**
371855	35	412	**222.13**
371955	45	520	**246.23**
372055	60	700	**346.72**
372155	80	950	**462.13**
372255	100	1180	**577.87**

EDMABLADE FLEXIBLE

NOU

Gletiera de finisare cu lama flexibila

- *adaptabila pe maner telescopic EDMA (conector si maner sunt furnizate separat)*
- *lama din otel inoxidabil de 0,3 mm cu margini rotunjite*



EDMA

	mm		
171655	15	160	**123.77**
171755	25	340	**155.74**
171855	35	480	**203.77**
171955	45	620	**225.74**
172055	60	840	**318.03**
172155	80	1110	**423.93**
172255	100	1380	**530.16**

EDMABLADE TWIST

NOU

Gletiera de finisare cu lama flexibila pivotanta

- *permite netezirea materialului, a benzii de imbinare, a tencuielii.*
- *manerul poate fi reglat in 2 pozitii pentru a se adapta suprafetei de lucru.*
- *uor de utilizat datorita structurii sale usoare si ergonomice.*
- *adaptabil pe manere telescopice EDMA (conectorul si manerul nu sunt incluse).*
- *lama din otel inoxidabil cu margini rotunjite pentru un rezultat fara dungi si fara pierderi de material*
- *grosimea lamei: 0,3 mm*



EDMA

	mm		
271655	15	210	**136.23**
271755	25	390	**171.31**
271855	35	580	**224.10**
271955	45	880	**248.36**
272055	60	1200	**350.00**
272155	80	1390	**466.23**
272255	100	1740	**583.11**

610191 NOU

Set gletiere pentru finisare cu lama flexibile in geanta XL

• adaptabila pe maner telescopic EDMA (conector si maner sunt furnizate separat)
• lama din otel inoxidabil de 0,3 mm cu margini rotunjite



610191	12	8300	2981.97

743036 Cutie de depozitare XL - 1350 x 350 x 100 mm
171655 EDMABLADE - Gletiera finisare flexibila 15 cm
171755 EDMABLADE - Gletiera finisare flexibila 25 cm
171855 EDMABLADE - Gletiera finisare flexibila 35 cm
171955 EDMABLADE - Gletiera finisare flexibila 45 cm
172055 EDMABLADE - Gletiera finisare flexibila 60 cm
172155 EDMABLADE - Gletiera finisare flexibila 80 cm
172255 EDMABLADE - Gletiera finisare flexibila 100 cm
271555 Maner EDMABLADE
169955 Tija telescopica 1,20 - 2,40 m
181355 Spaclu flexibil Premium pentru rostruri - 10 cm
181555 Spaclu flexibil Premium pentru rostruri - 15 cm
164355 Scula multifunctionala - 8 cm

610190 NOU

Set gletiere pentru finisare cu lama flexibile in geanta S

• adaptabila pe maner telescopic EDMA (conector si maner sunt furnizate separat)
• lama din otel inoxidabil de 0,3 mm cu margini rotunjite



610190	7	3400	1475.41

743035 Cutie de depozitare S - 650 x 250 x 90 mm
171755 EDMABLADE - Gletiera finisare flexibila 25 cm
171855 EDMABLADE - Gletiera finisare flexibila 35 cm
171955 EDMABLADE - Gletiera finisare flexibila 45 cm
172055 EDMABLADE - Gletiera finisare flexibila 60 cm
271555 Maner EDMABLADE
169955 Tija telescopica 1,20 - 2,40 m
181555 Spaclu flexibil Premium pentru rostruri - 15 cm

271555 NOU

Maner EDMABLADE

• permite conectarea lamelor de finisare EDMABLADE la un tija telescopica EDMA
• sistem de prindere rapid si usor
• cap pivotant pentru a se adapta la suportul de lucru
• ergonomie pentru o utilizare usoara



271555	-	280	119.18

NOU

Tija telescopica

• cap din aluminiu.
• varf plat, rotativ si anti-alunecare.



179555	0,50 - 0,90	833	78,36
179655	0,80 - 1,50	917	95.74
169955	1,20 - 2,40	640	127.54

278055 NOU

Rola de colt interior

• ideala pentru a strange banda de gips-carton in colturile interioare orizontale si verticale.
• se livreaza cu un adaptor pentru conectarea la tijele telescopic EDMA (nu sunt incluse).
• compatibil cu un maner cu prindere mama M10



278055	m	480	446.89

278155 NOU

Rola de colt exterior

• ideala pentru a strange banda de gips-carton in colturile exterioare orizontale si verticale.
• se livreaza cu un adaptor pentru conectarea la tijele telescopic EDMA (nu sunt incluse).
• compatibil cu un maner cu prindere mama M10



278155	m	480	446.89

743036 NOU

Geanta de transport XL

- *usoara si rezistenta la impact*
- *fabricat din EVA si elastan*
- *sistem de inchidere cu fermoar dublu*
- *plasa de depozitare interioara cu fermoar*
- *prevazut cu maner pentru transport usor*
- *dimensiuni : 1350 x 350 x 100 mm*



	mm		
743036	1350 x 350 x 100	2400	455.90

743035 NOU

Geanta de transport S

- *usoara si rezistenta la impact*
- *fabricat din EVA si elastan*
- *sistem de inchidere cu fermoar dublu*
- *plasa de depozitare interioara cu fermoar*
- *prevazut cu maner pentru transport usor*
- *dimensiuni : 650 x 250 x 90 mm*



	mm		
743035	650 x 250 x 90	1200	309.02



NOU

Spaclu cu lama flexibila INOX

- *din otel inoxidabil integral, finisaj oglinda*



	mm		
181055	40	120	62.46
181155	60	130	64.59
181255	80	150	65.90
181355	100	150	71.31
181455	120	160	74.26
181555	150	170	79.34
182055	200	170	108.03
182155	250	220	136.72

610161 NOU

Set spacluri cu lama flexibila INOX in mapa textila

- *din otel inoxidabil integral, finisaj oglinda*



610161	6	1750	712.13

181055 Spaclu cu lama flexibila INOX - 4 cm
181355 Spaclu cu lama flexibila INOX - 10 cm
181455 Spaclu cu lama flexibila INOX - 12 cm
181555 Spaclu cu lama flexibila INOX - 15 cm
182055 Spaclu cu lama flexibila INOX - 20 cm
164355 Scula multifunctionala - 8 cm
280255 Mapa textila

NOU

Spaclu cu lama rigida INOX

- *din otel inoxidabil integral, finisaj oglinda*



	mm		
181655	40	140	59.34
181755	50	150	59.84
181855	80	170	62.79
181955	100	190	65.41

NOU

Spaclu cu lama flexibila INOX si maner bi-material

- *lama din otel inoxidabil, finisaj oglinda*
- *maner bi-material cu cap metalic*



	mm			
165255	25	106	NOU	20.82
165355	40	110	NOU	25.25
165455	60	128	NOU	30.66
165555	80	128	NOU	33.61
165655	100	139		35.57
165755	120	141		37.38
165855	150	159		41.15
265555	180	170	NOU	49.51
265655	200	180	NOU	54.75
265755	220	170	NOU	57.38
265855	240	200	NOU	61.64

610160 NOU

Set spacluri cu lama flexibila INOX si maner bimaterial in mapa textila

• din otel inoxidabil integral, finisaj oglinda

Stainless Steel Blade
more resistant



610160	6	1700	**611.48**

165355 Spaclu cu lama flexibila INOX - 4 cm
165655 Spaclu cu lama flexibila INOX - 10 cm
169255 Spaclu pentru gips-carton - 15 cm cu biti
265655 Spaclu cu lama flexibila INOX - 20 cm
265855 Spaclu cu lama flexibila INOX - 24 cm
164355 Scula multifunctionala - 8 cm
280255 Mapa textila

NOU

Spaclu cu lama rigida otel carbon si maner bi-material

• lama din otel inoxidabil, finisaj oglinda
• maner bi-material cu cap metalic

Carbon Steel Blade
more resistant



	mm		
268155	40	120	**25.25**
268255	50	130	**30.66**
268355	80	155	**33.61**
268455	100	180	**36.23**

280255 NOU

Mapa textila cu 6 buzunare

• cu maner
• sistem de inchidere cu fermoar
• 6 buzunare: 24.5x11; 21x11; 16x10; 10.5x10 8.5x10 si 8x10 cm
• dimensiune inchisa: 485 x 275 mm
• dimensiune deschisa: 485 x 555 mm



	mm		
280255	485 x 275	784	**218.03**

Spaclu cu lama flexibila INOX, maner bi-material si biti

• din otel inoxidabil integral, finisaj oglinda
• cu biti interschimbabili PH1, PH2, SL 5 mm si 6 mm.
• sistem integrat de depozitare a bitilor in maner
• maner bimaterial cu cap metalic

Stainless Steel Blade
more resistant



	mm		
169055	100	131	**76.07**
169155	125	136	**85.90**
169255	150	155	**95.90**

NOU

Drisca din aluminiu si maner bi-material

• pentru a mentine compusul inainte de aplicare
• maner bimaterial si spuma EVA.
• lama din aluminiu cu suprafata ondulata
• pentru a mentine compusul pe mistrie







	mm		
069955	330 x 330	800	**272.79**



NOU

Mistrie INOX montare ransforsata cu fibra de sticla

• lama din otel inoxidabil
• montare din poliamida armata cu fibra de sticla - usoara si durabila
• maner bimaterial

Stainless Steel Blade
more resistant





266055 lama dreapta
266155 lama curbata
266255 lama tesita

	forma		
266055	dreapta	360	**111.15**
266155	curbata	360	**117.21**
266255	tesita	360	**132.30**

167055 NOU

Spaclu acoperire colturi si maner bi-material

• ideal pentru imprastierea compusului in zone greu aaccesibile
• lama din otel inoxidabil
• maner bimaterial cu cap metalic

Stainless Steel Blade
more resistant



	mm		
167055	-	130	**87.05**

167955 NOU

Spaclu semirotund si maner bi-material

• ideal pentru imprastierea compusului in unghiuri
• lama din otel inoxidabil
• maner bimaterial cu cap metalic

Stainless Steel Blade
more resistant



	mm		
167955	-	130	**85.74**

065455 NOU

Mistrie pentru colt interior si maner bi-material

• ideala pentru a imprastia compusul pe ambele parti interioare ale peretelui intr-o singura trecere
• lama din otel inoxidabil.
• maner ergonomic.
• unghi 103°



	mm		
065455	-	200	101.48





065755 NOU

Mistrie pentru colt exterior si maner bi-material

• ideala pentru a imprastia compusul pe ambele parti exterioareale peretelui intr-o singura trecere
• lama din otel inoxidabil.
• maner ergonomic.
• unghi 87°



	mm		
065755	-	200	101.48

164055 NOU

Spaclu din cauciuc pentru colturi

• ideal pentru a imbina unghiurile interioare, precum si zonele rotunde si greu accesibile.
• cu ranforsare din nailon.
• foarte usor si usor de curatat.
• poate fi folosit manual sau cu maner





	mm		
164055	-	200	106.89

Spaclu cu lama rigida INOX si maner bi-material

• lama din otel inoxidabil, finisaj oglinda
• maner bi-material cu cap metalic



	mm		
169355	200	209	83.61
169455	250	240	91.15
169555	300	262	100.66
169655	350	290	109.84

NOU

Spaclu ergonomic cu lama INOX si maner bi-material

• lama din otel inoxidabil montata pe armatura rigida din aluminiu.
• maner bimaterial nituit.
• ideal pentru imprastierea compusului pe suprafete mari.



	mm		
174355	250	293	92.30
174455	350	630	105.25
166355	600	524	115.57





164355

Spaclu multifunctional cu maner bi-material

• lama din otel inoxidabil.
• deschizător de sticle, extractor de cuie si ciocan, deschizator de cutii de vopsea, dispozitiv de curatare cu role, racleta, cutit pentru rosturi, cutit de demascare, cutit de umplere/curatator de fisuri, cutter, cheie de 11 mm (1/4 inchi), cheie de 14 mm (3/8") ") cheie.
• maner bimaterial cu cap metalic.



	mm		
164355	80	145	68.03

164555 NOU

Razuitor Heavy Duty 80 mm cu maner bi-material

• razuitor de bataie, reglabila pe maner.
• lama din otel inoxidabil.
• maner bimaterial cu cap metalic.
• compatibil cu tija telescopica ref. 169955.



	mm		
164555	80	180	81.64

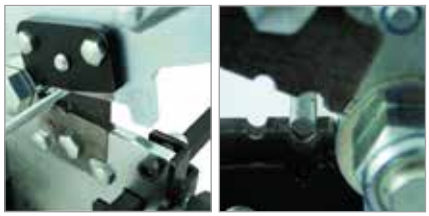
065055 NOU

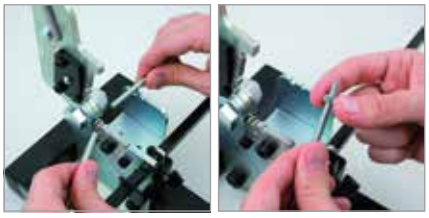
Ghilotina pentru tije filetate 6 mm (M6) si sarma suspensie 4 mm MINI RODUT

- *taieri curate, fara zgomot.*
- *poate fi folosit pentru a repara tije deteriorate*
- *fara resturi de metal (fara pilitură de metal).*
- *fara scantei - fara risc de incendiu - fara permis special.*
- *ghidajul de taiere reglabil de 545 mm poate fi pozitionat la dreapta sau la stanga.*
- *pana la 6,6 otel moale: 60 kg/mm².*
- *nu se poate taia tija filetată din otel inoxidabil*

MINI RODCUT M6







	mm		
065055	4 / 6	4700	2214.43

175355

Nivela cu locasuri magnetice 120 cm

- *profil 900 g / m - puternic.*
- *indicator incorporat pentru a instala traversele mai repede si mai usor: distanta de 40, 60 si 90 cm.*
- *distanța de 90 cm este dedicata instalarii de gips-carton de 90 cm*
- *sloturi de 76 mm pentru a se potrivi cu toate tipurile de traverse, chiar si spate in spate sau F530*
- *maner de transport incorporat.*
- *2 flacoane acrilice solide blocate epoxidic:*
- *1 flacon vertical, de asemenea, vizibil din fata prin efect de oglinda*
- *1 flacon orizontal*
- *suprafata frezata*
- *capace de capat rezistente la socuri*
- *precizie: 0,5 mm / m.*





	mm		
175355	1200	1310	765.08

175455

Nivela cu locasuri magnetice 90 cm

- *profil 900 g / m - puternic.*
- *indicator incorporat pentru a instala traversele mai repede si mai usor: distanta de 40, si 60 cm.*
- *distanța de 90 cm este dedicata instalarii de gips-carton de 90 cm*
- *sloturi de 76 mm pentru a se potrivi cu toate tipurile de traverse, chiar si spate in spate sau F530*
- *maner de transport incorporat.*
- *2 flacoane acrilice solide blocate epoxidic:*
- *1 flacon vertical, de asemenea, vizibil din fata prin efect de oglinda*
- *1 flacon orizontal*
- *suprafata frezata*
- *capace de capat rezistente la socuri*
- *precizie: 0,5 mm / m.*



	mm		
175455	900	990	605.57



PROFIL

Cleste pentru sertizat profile metalice de gips-carton, utilizare cu doua maini

- *capacitate maxima: 1 + 1 mm*
- *preducea model nou, brevetat*
- *fixari cu 60% mai puternice*
- *cu 30% mai putin efort*

PROFIL









	mm		
060055	1+1	930	497.38

060155

Perforator de schimb pentru cleste pentru sertizat 060055

- *capacitate maxima: 1 + 1 mm*
- *preducea model nou, brevetat*
- *fixari cu 60% mai puternice*
- *cu 30% mai putin efort*



	mm		
060155	1+1	45	60.66

PROFIL 2 RM NOU

Cleste pentru sertizat profile metalice de gips-carton, 0,8 + 0,8 mm

- *capacitate maxima: 0,8 + 0,8 mm.*
- *pentru setarea dreapta si stanga.*
- *cap articulat care este ideal de-a lungul peretelui.*
- *perforator patentat.*
- *fixare cu 60 % mai puternica*
- *efort cu 30% mai mic*

PROFIL 2 RM









	mm		
061055	1+1	930	497.38

061855 NOU

Perforator de schimb pentru clesti 061955, 061055, 060355

- *capacitate maxima: 0,8 + 0,8 mm*
- *preducea model nou, brevetat*
- *fixari cu 60% mai puternice*
- *cu 30% mai putin efort*



	mm		
061855	0,8 + 0,8	45	60.00

MASTER PROFIL®

Cleste MASTER PROFIL de sertizat profile, actionat cu o singura mana

- *operare cu o singura mana*
- *capacitate maxima: 1 + 1 mm*
- *perforator brevetat*
- *fixare cu 60% mai puternica*
- *cu 30% mai putin efort.*

MASTER-PROFIL®



	mm		
062055	1+1	760	**493.77**



062155

Perforator de schimb pentru cleste pentru sertizat 062055

- *capacitate maxima: 1 + 1 mm*
- *preducea model nou, brevetat*
- *fixari cu 60% mai puternice*
- *cu 30% mai putin efort*



	mm		
062155	1+1	15	**62.62**

ERGOTOP® NOU

Cleste ERGOTOP® de sertizat pentru orice tip de profile

- *pentru toate tipurile de profile si sine*
- *capacitate maxima: 1 + 1 mm*
- *pentru setarea dreapta si stanga*
- *perforator patentat*
- *fixare cu 60 % mai puternica*
- *efort cu 30% mai mic*

ERGOTOP®



	mm		
061955	1+1	800	**555.25**







ULTRA PROFIL®

Cleste pentru sertizat profile metalice de gips-carton, utilizare cu o mana

- *capacitate maxima: 1 + 1 mm*
- *preducea model nou, brevetat*
- *fixari cu 60% mai puternice*
- *cu 30% mai putin efort*

ULTRA PROFIL®





	mm		
066855	1+1	825	**609.34**

566855

Perforator de schimb pentru cleste pentru sertizat 066855

- *capacitate maxima: 1 + 1 mm*
- *preducea model nou, brevetat*
- *fixari cu 60% mai puternice*
- *cu 30% mai putin efort*



	mm		
566855	1+1	35	**90.33**

DUO PROFIL NOU

Cleste de fixare a sectiunilor pentru profile spate-in-spate DUO PROFIL

- *special conceput pentru sertizarea profilelor metalice spate-in-spate.*
- *recomandat montajelor la inaltimi de peste 2,50 m.*
- *sertizare obisnuita intre profile de la 90 mm latime.*
- *capacitate maxima: 1 + 1 mm.*

DUO PROFIL





	mm		
160455	1+1	1490	**619.67**

260455 NOU

Perforator de schimb pentru cleste pentru sertizat 160455

- *capacitate maxima: 1 + 1 mm*
- *preducea model nou, brevetat*
- *fixari cu 60% mai puternice*
- *cu 30% mai putin efort*



	mm		
260455	1+1	34	62.62

TWIN PROFIL® NOU

Cleste de fixare a sectiunilor pentru profile spate-in-spate TWIN PROFIL®

- *usor de utilizat si economiseste timp*
- *falca cu deschidere mare pentru a sertizat profilele spate-in-spate dintr-o singura actionare*
- *sertizare obisnuita intre profile de la 90 mm latime.*
- *capacitate maxime: 1 + 1 mm*

TWIN PROFIL®











	mm		
060355	1+1	1450	585.74



POWER PROFIL NOU

Cleste de reglare automata a sectiunilor pentru toate tipurile de profile si sine POWER PROFIL

- *fara efort de sertizare*
- *pentru a sertizat toate tipurile de profile si sine (chiar si profile F530 pentru aplicare pe tavan)*
- *capacitate amxima: 1 + 1 mm.*
- *se potriveste tuturor tipurilor de masini de insurubat electrice (de la 14,4 V)*

POWER PROFIL











	mm		
161455	1+1	1130	1010.16

CANALCUT NOU

Taietor de precizie pentru izolatii CANALCUT

- *pentru toate tipurile de materiale de izolare, cum ar fi: E.P.S., poliuretan, vata de roca, vata de sticla, incalzire in pardoseala.*
- *lama din otel inoxidabil cu canelur pentru realizarea canalului de 35 mm (latime) x 35 mm (adancime) pentru a introduce tevi cu diametrul de până la 32 mm.*
- *2 lame interschimbabile:*
- *lama cu canelura 1/ 35 x 35 mm.*
- *puntile termice sunt usor de evitat in timpul taierii*
- *lama de 2/80 cm pentru indepartarea formei curbate.*
- *pentru taierea materialul izolator.*



CANALCUT

	mm		
069055	35 x 35	660	646.56

5294

Fierastrau profesional pentru taiere gips-carton

- *fierastrau profesional pentru taiere gips-carton, panouri termoizolante, placi OSB, PAL, lemn subtire si mediu-gros, materiale plastice etc.*
- *varf ascutit pentru perforare*
- *lungime lama 160 mm*
- *lama calita*
- *trei muchii taietoare*
- *grosime 2.0 mm*
- *lungime totala 300 mm*
- *maner ergonomic bimaterial*



PILANA



	mm		
52941604000	300	225	124.59

067055

Fierastrau coada de soarece pentru gips-carton CROCOPLAC II

- *util pentru decupaje in placi prefabricate din beton, gips-carton, placi din lemn etc.*
- *lama cu 3 fatete*
- *dinti pe ambele parti pentru taieri multidimensionale*
- *cu greutate redusa si usor de manevrat*
- *maner ergonomic bi-material*

CROCOPLAC II







	mm		
067055	150	225	124.59

067255

Fierastrau coada de soarece pentru gips-carton CROCOPLAC II

- *util pentru decupaje in placi prefabricate din beton, gips-carton, placi din lemn etc.*
- *lama cu 3 fatete*
- *dinti pe ambele parti pentru taieri multidimensionale*
- *cu greutate redusa si usor de manevrat*
- *maner ergonomic bi-material*

CROCOPLAC II







	mm		
067255	250	246	146.07

066455 NOU

Cutit pentru taiat vata minerala/bazaltica 300 mm

- *usor de utilizat pentru toate tipurile de materiale de izolare*
- *2 forme de dinti diferite.*
- *husa inclusa*
- *maner bi-material simetric*
- *pentru a taia fara efort azbest, vata de sticla, panouri izolatoare din lana sau canepa, in, panouri de vata de celuloza, etc.*





	mm		
066455	300	270	235.90

168055 NOU

Cutit pentru taiat vata minerala/bazaltica 420 mm

- *usor de utilizat pentru toate tipurile de materiale de izolare*
- *2 forme de dinti diferite.*
- *husa inclusa*
- *maner bi-material simetric*
- *pentru a taia fara efort azbest, vata de sticla, panouri izolatoare din lana sau canepa, in, panouri de vata de celuloza, etc. de la 3 la 20 mm*



	mm		
168055	420	360	271.80



ROLL PLAC

Mini troller pentru transport placi gips-carton ROLL PLAC

- *transport fara efort si autonom de gips-carton.*
- *permite transportul a pana la 2 placi de catre o persoana*
- *2 roti incorporate pentru o miscare rapida si fara efort intr-o pozitie confortabilă.*
- *baza lata permite o mai buna stabilitate si previne deteriorarea plăcii de gips-carton.*
- *cadru de otel = rezistent.*
- *maner bimaterial pentru un confort optim.*
- *instrument usor si compact = foarte usor de depozitat.*

ROLL PLAC



	mm		
064655	-	2680	444.59



064555

Maner pentru transport placi gips-carton TRANSPLAC

- *permite transportul placilor de gips-carton de catre o singura persoana*
- *baza larga pentru o mai buna asezare a panourilor*

TRANSPLAC



	mm		
064555	565 x 140	1240	164.10

064055

Manere pentru transport placi gips-carton (2 buc) DUOPLAC

- *manere din otel Ø 15 mm pentru transportul placilor de gips-carton de catre doua persoane*
- *sustin pana la doua placi*
- *manere din cauciuc ergonomic*
- *constructie rezistenta*
- *pot fi atasate la curea*

DUOPLAC





	mm		
064055	115 x 140	1260	164.75

066055

Levier cu parghie pentru pozitionare placi FOOTPLAC

- *ideal pentru a ridica panourile pentru o pozitionare precisa datorita sistemului sau de balansare*
- *baza larga pentru un echilibru mai bun.*
- *de asemenea, ideal pentru demontarea usilor.*
- *bucla foarte lata potrivita pentru majoritatea incaltamintei de siguranta*

FOOTPLAC





	mm		
066055	-	1030	151.48

066555

Levier pentru fixare placi BLOCPLAC

- *instrument durabil si usor de utilizat.*
- *permite lucrul singur datorita blocului mobil.*
- *pentru a ridica si a mentine placa sau panoul izolator în pozitie în timp ce il insurubati pe cadrul metalic.*
- *maner offset.*
- *margine tesita pentru a evita deteriorarea placii de gips-carton*

BLOCPLAC







	mm		
066555	-	1600	249.84

064755

Rindea dreapta pentru gips-carton si lemn VARIO RAP

- *3 pozitii reglabile de lucru*
- *raspel interschimbabil*

VARIO RAP

















	mm		
064755	257	425	155.25

066755

Mini-rindea dreapta pentru gips-carton EASY RAP

- *design ergonomic*
- *raspel interschimbabil*

EASY RAP











	mm		
066755	257	185	89.67

163155

Echer pentru marcarea placilor de gips-carton

- *pentru realizarea rapida a taierilor drepte*
- *maxim 62 cm*
- *perfect pentru marcare si de taiere*
- *scala dubla: inch / mm*









	mm		
163155	515 x 625	615	341.31

173055

Echer reglabil pentru gips-carton

- *unghi reglabil*
- *poate fi pliat la 0°, pentru economisire de spatiu*
- *grosime de 7 mm*
- *constructie usoara si rezistenta din aluminiu*











	mm		
173055	0-360°	1023	278.52



062955

Dispozitiv de taierte gips-carton PLAC & ROLL

- *taiere rapida si simultana pe ambele parti ale placii de gips-carton.*
- *adancime de taiere reglabila pana la 150 mm*
- *roti reglabile pentru o grosime de taiere de pana la 18 mm.*
- *2 manere ergonomice bimateriale pentru taieturi drepte si ghidate*

PLAC & ROLL



	mm		
062955	150	998	**370.49**

020155

Instrument de expansiune pentru toate ancorele metalice BABY-FIX® BRICO

- *manere cu arcuri.*
- *balama dubla.*
- *suprafata suport: 100 x 20 mm*
- *protectie degete*
- *capacitate maxima: ø 6 mm*

BABY-FIX® BRICO



	mm		
020155	100 x 20	400	**94.10**

021155

Instrument de expansiune pentru toate ancorele metalice BABY-FIX® JUNIOR

- *manere cu arcuri.*
- *balama dubla.*
- *suprafata suport: 100 x 20 mm*
- *protectie degete*
- *capacitate maxima: ø 8 mm*

BABY-FIX® JUNIOR



	mm		
021155	100 x 20	500	**136.23**

020355

Instrument de expansiune pentru toate ancorele metalice FIX

- *setare directa de-a lungul liniei gaurii*
- *manere cu arcuri.*
- *poate fi folosit cu un efort minim.*
- *special pentru zone cu acces dificil*
- *capacitate: ø 8 mm*

FIX



	mm		
020355	-	520	**228.69**

021355

Instrument de expansiune pentru toate ancorele metalice SUPER-FIX®

- *cap inclinat pentru a extinde ancorele metalice in colturi intr-o singura actiune usoara*
- *manere cu arcuri*
- *usor de utilizat in spatii restranse.*
- *capacitate maxima: ø 8 mm.*

SUPER-FIX®



	mm		
021355	-	500	**266.72**

023155

Instrument de expansiune pentru toate ancorele metalice SUPRA-FIX®

- *usor de utilizat în zone mici.*
- *compact.*
- *suprafata suport: 20 x 20 mm.*
- *lungimea cursei imbunatatita: 20 mm.*
- *capacitate maxima: ø 8 mm*

SUPRA-FIX®



	mm		
023155	20 x 20	490	**193.93**

023255

Instrument de expansiune pentru toate ancorele metalice ULTRA-FIX®

- *actiune cu clichet cu 5 crestaturi.*
- *special conceput pentru utilizare fara efort cu ancore metalice de Ø 8 mm.*
- *suprafata de suport exceptionala de 30 mm.*
- *sistem usor de eliberare a manerului.*
- *capacitate maxima: ø 8 mm.*

ULTRA-FIX®



	mm		
023255	-	600	**280.00**

260255

Scara dubla trei trepte din aluminiu

- *fabricata din aluminiu*
- *tampoane antiderapante*
- *acces dublu*
- *ultra usoara: 2,7 kg*
- *sarcina maxima: 150 kg*
- *inaltime maxima: 59 cm*



	mm		
260255	590	2700	**468.36**

260355

Platforma de lucru din aluminiu 96x45 cm

- *fabricat din aluminiu.*
- *tampoane antiderapante.*
- *lungime: 96 cm*
- *latime: 45 cm*
- *inaltime de lucru: 49 cm*
- *ultra usor: 7,2 kg*
- *maxim sarcina: 150 kg*



	mm		
260355	96 x 45	7500	**909.84**

161155

Picioroange reglabile 45-76 cm

- *reglabile de la 45 la 76 cm*
- *greutatea maxima: 102 kg*
- *economisire de timp pentru toate aplicatiile la inaltime*
- *2 blocuri suport pentru o mai buna stabilitate*
- *picioroange din aluminiu - greutate redusa*
- *curele cu catarame metalice pentru o buna stabilitate*





	mm		
161155	450 - 760	7730	**2919.34**

161255

Slefuitor manual cu foaie abraziva si sistem EASY LOCK

- *permite slefuirea si finisarea peretilor si tavanelor*
- *previne acumulare de praf pe foaia abraziva*
- *inlocuire rapida si usoara a foilor abrazive*



	mm		
161255	280 x 93	385	**97.05**

162255

Set 3 carote Ø 60, 67, 74 mm pentru gips-carton

- *pot fi utilizate pentru lemn, PVC si gips-carton*
- *adancime de taiere: 32 mm*







	mm		
162255	Ø 60, 67, 74	295	**129.18**

162355

Set 5 carote Ø 68, 74, 80, 90, 100 mm pentru gips-carton

- *pot fi utilizate pentru lemn, PVC si gips-carton*
- *adancime de taiere: 30 mm*



	mm		
162355	Ø 68, 74, 80, 90, 100	575	**196.39**



266955

Ghilotina pentru armaturi

- *permite taierea armaturilor cu diametru maxim de 18 mm*
- *functie dubla: taiere si indoire*
- *diametru maxim de taiere: 18 mm*
- *diametrul maxim de indoire: 16 mm*







	mm		
266955	max. 18	19400	**3160.82**

042755

Dispozitiv automat de infasurat cablu

- *1.5 infasurari pe ciclu.*
- *pentru a inchide saci, garduri, cadre, etc.*
- *suficient de mic pentru a fi transportat in buzunar*



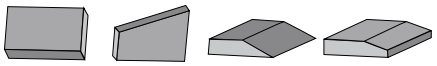
	mm		
042755	200	220	**196.56**

266655

Aparat de taiat cu fir cald

- *aparat taiat cu fir cald pentru taieri curate in polistiren*
- *pentru polistiren expandat si extrudat (XPS și E.P.S)*
- *adancime maxima de taiere: 330 mm*
- *latime maxima de taiere: 1370 mm*
- *transformator de 40 V / 200 W / 230 V*
- *certificat UE*





Taieri rectangulare | Taieri unghiulare | Taieri cu sanfren

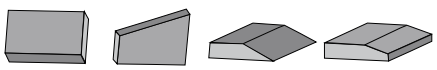
	mm		
266655	1370	8000	**2180.66**

267955 NOU

Aparat de taiat cu fir cald cu acumulator

- *aparat taiat cu fir cald pentru taieri curate in polistiren*
- *pentru polistiren expandat si extrudat (XPS și E.P.S)*
- *adancime maxima de taiere: 330 mm*
- *latime maxima de taiere: 1370 mm*
- *acumulator Li-ion: 36 V - 1,5 Ah*
- *certificat UE*





Taieri rectangulare | Taieri unghiulare | Taieri cu sanfren

	mm		
267955	1370	4500	**2504.59**

266855

Rezerva pentru aparat de taiat cu fir cald

- *latime maxima de taiere: 1370 mm*



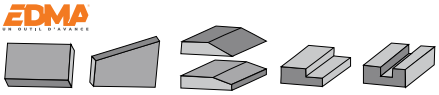
	mm		
266855	1370	10	**101.31**

266555

Aparat de taiat cu fir cald

- *dispozitiv de taiat cu fir cald pentru o taiere curata*
- *pentru polistiren expandat si extrudat (EPS si XPS)*
- *adancime maxima de uaiere: 330 mm*
- *inaltime maxima de taiere: 1320 mm*
- *latime maxima de taiere: 1550 mm*
- *taieri unghiulare de la 0° la 90°*
- *taieri cu sanfren de la 90° la 15°*
- *taiere canale pana la adancimea de 300 mm*
- *temperatura firului cald: 350 °C*
- *transformator: 40 V / 200 W / 230 V*
- *certificat CE*





Taieri rectangulare | Taieri unghiulare | Taieri cu sanfren | Taieri in trepte | Taieri canale



	mm		
266555	1550	12600	**7746.72**

368655 NOU

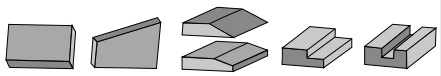
Aparat de taiat compatibil cu fierastraie electrice

- *aparat de taiere din aluminiu stabil si puternic.*
- *combinat cu fierastrăul electric WOOLCUT ref. 368755 (se vinde separat), taie materiale izolante flexibile si comprimate precum fibra de lemn, vata de roca si alte fibre naturale dar si panouri din poliuretan, polistiren si spuma de sticla*
- *poate fi echipat cu diferite fierastraie electrice de izolare.*
- *echipat cu 2 rigle de ghidaj lateral cu unghi reglabil.*
- *caruciorul de taiere alunecă pe un ghidaj pivotant reglabil in adancime.*
- *inaltime maxima de taiere (cu fierastrau electric): 1350 mm.*
- *grosime maxima de taiere (cu ferăstrău electric): 300 mm.*

Set de livrare:
- *cutit de izolare EDMA 300 mm ref. 066455.*
- *sablon de gaurire pentru montarea fierastraului BOSCH GFZ 16-35 AC.*
- *sablon de gaurire pentru montarea fierastraului DEWALT DWE 397 si DSC 397.*
- *sablon de gaurire pentru montarea fierastraului FESTOOL ISC 240.*
- *cheie tubulara cotita*
- *cheie imbus*
- *geanta de transport cu roti.*

Forme de taiere posibile: *dreptunghiulara, unghiulara si tesita*





Taieri rectangulare | Taieri unghiulare | Taieri cu sanfren | Taieri in trepte | Taieri canale



	mm		
368655	1350	12600	**11065.57**

368155 NOU

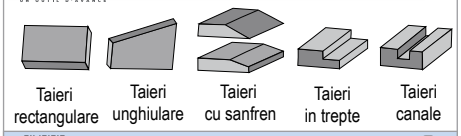
Aparat de taiat cu fir cald dublu pentru polistiren

- *taiere curata fara proiectie de margele de polistiren.*
- *pentru polistiren expandat si extrudat (E.P.S. si X.P.S.).*
- *sistem cu 2 fire calde perpendiculare care se misca in acelasi cadru datorita celor 2 glisoare.*
- *inaltime maxima de taiere: 1320 mm.*
- *adancime maxima de taiere: 330 mm.*
- *cadru reglabil de la 0 la 45°.*
- *functioneaza la retea, cu suport integrat pentru 2 baterii pentru utilizare fara fir (bateria 18 V - 2 Ah se vinde separat ref. 536831 sau la pachet de 2 baterii + incarcator dublu ref. 536840).*
- *se livreaza asamblat, pliabil pentru depozitare si transport usor.*
- *certificat CE.*

Set de livrare:
- *geanta de transport.*
- *3 fire de tăiere de fiecare lungime.*

Forme de taiere posibile: *dreptunghiulare, unghiulare, tesite, trepte, canelate, ajurate si alte taieturi verticale*





	mm		
368155	1320	12600	**16311.48**

OSCILOCUT XL NOU

Masa de taiere cu sarma vibranta pentru materiale izolatoare de dimensiuni mari

- *taiere curata a materialelor izolatoare precum vata de roca, vată minerala, vată de sticla, poliuretan, polistiren expandat si extrudat (E.P.S. si X.P.S.), spuma fenolica, spumă de sticla, spuma de cauciuc.*
- *functioneaza cu baterie pentru o mai mare libertate de lucru.*
- *se livreaza asamblat, pliabil pentru depozitare si transport usor.*
- *inaltime maxima de taiere: 1460 mm.*
- *grosime maxima de taiere: 340 mm.*
- *motor: 18 V, fara perii = durata de viata mai lunga.*
- *baterie cu litiu: 18 V - 2 Ah.*
- *frecventa vibratiilor: 1500 ori/min.*
- *certificat CE.*

Accesorii incluse:
- *geanta de transport din aluminiu si lemn*
- *motor*
- *acumulator + incarcator baterie*
- *6 fire de taiere*
- *3 benzi aspre autoadezive de rezerva*
- *5 capace de frana de rezerva*

Forme de taiere posibile: *dreptunghiulare, unghiulare, tesite, trepte, canelate, ajurate si alte taieturi verticale*





	mm		
368555	1460	12600	**in curand**

OSCILOCUT XL NOU

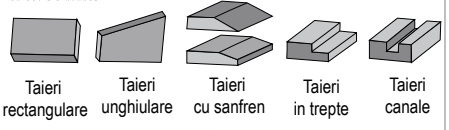
Masa de taiere cu sarma vibranta pentru materiale izolatoare

- *taiere curata a materialelor izolatoare precum vata de roca, vata minerala, vata de sticlă, poliuretan, polistiren expandat si extrudat (E.P.S. și X.P.S.), spumă fenolica, spuma de sticla, spuma de cauciuc.*
- *functioneaza cu baterie pentru o mai mare libertate de lucru.*
- *livrat asamblat, compact pentru depozitare si transport usor.*
- *inaltime maxima de taiere: 650 mm.*
- *grosime maxima de taiere: 270 mm.*
- *motor: 18 V, fara perii = durata de viata mai lunga.*
- *baterie litiu: 18 V - 2 Ah.*
- *frecventa vibratiilor: 1500 ori/min.*
- *certificat CE.*

Set de livrate:
- *geanta de transport din aluminiu si lemn*
- *motor*
- *cumulator + incarcator baterie*
- *1 fir de taiere montat + 5 fire de rezerva*

Forme de taiere posibile: *dreptunghiulare, unghiulare, tesite, trepte, canelate, ajurate si alte taieturi verticale.*









	mm		
368355	650	38300	**14944.59**



EDMAFOAM

Cutit cu lama calda cu sistem de racire cu aer

- *taiere mai rapida, mai curata si fara efort pentru spuma de polistiren (E.P.S./X.P.S.).*
- *fara praf*
- *sistem de racire cu aer care permite functionarea continua*
- *putere: 320 W.*
- *certificat CE.*
- *livrat într-o cutie de plastic care include:*
- *lama de 200 mm*
- *perie metalica*
- *cheie de fixare a lamei*





	mm		
366755	200	1300	**1493.28**

EDMAFOAM NOU

Cutit cu lama calda cu sistem de racire cu aer si set 3 lame

- *taiere mai rapida, mai curata si fara efort pentru spuma de polistiren (E.P.S./X.P.S.).*
- *fara praf*
- *sistem de racire cu aer care permite functionarea continua*
- *putere: 320 W.*
- *certificat CE.*
- *livrat într-o cutie de plastic care include:*
- *lama de 200 mm*
- *perie metalica*
- *cheie de fixare a lamei*





	mm		
367555	200	1440	**2104.26**

366955 NOU

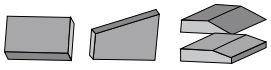
Masa de taiere vata minerala

- *special pentru panouri din vata minerala*
- *ideal pentru a taia lana, vata de sticla, vata de celuloza*
- *permite taieturi precise si curate.*
- *inaltime maxima de taiere: 1200 mm.*
- *grosime maxima de taiere: 260 mm.*
- *taiere tesita pana la 45°.*
- *unghi de taiere pana la 50°.*
- *fabricat din aluminiu.*

Set de livrare:
- *cutit de 300 mm pentru material izolator*
- *geanta de transport cu roti.*

Forme posibile de taiere: *dreptunghiulara, unghiulara, tesit.*





Taieri rectangulare | Taieri unghiulare | Taieri cu sanfren

















	mm		
366955	1200	30550	**6703.61**

260155 NOU

Masa de taiere orizontala pentru polistiren

- *taiere curata fara proiectie de margele de polistiren.*
- *pentru polistiren expandat si extrudat (E.P.S. si X.P.S.).*
- *adancime maxima de taiere: 330 mm.*
- *latime maxima de taiere: 1320 mm.*
- *tieri in unghi de la 0° la 90°.*
- *de la 90° la 15° taieturi tesite.*
- *transformator: 40 V / 200 W / 230 V.*
- *certificat CE.*

Forme de taiere posibile: *dreptunghiulara, unghiulara si tesit.*





Taieri rectangulare | Taieri unghiulare | Taieri cu sanfren













	mm		
260155	1200	15000	**4009.02**

466955 NOU

Kit taiat gauri oarbe pentru cutit cu lama calda Ø 30 -150 mm

- *ideal pentru introducerea cutiilor electrice si a conductelor de scurgere.*

Set de livrare:
- *1 cadru perforator cu sarma de taiere pre-asamblata 100 mm.*
- *2 fire de taiere de rezerva care se formeaza in functie de diametrul de perforare dorit.*
- *1 clema pentru a forma firele de taiere*



	mm		
466955	30 - 150	380	**517.54**

STYROGUN NOU

Aparat de taiere cu fir cald pentru polistiren

- *taiere curata fara proiectie de margele de polistiren.*
- *pentru polistiren expandat si extrudat (E.P.S. si X.P.S.).*
- *permite o multitudine de taieturi precise si rapide datorita ghidului sau de traducere liniara. Canelare posibila datorita opritorului de adancime reglabil.*
- *mobilitate optimizata la locul de munca: fără fir, design compact, greutate redusă. Certificat CE.*

Set de livrare:
- *geanta de transport.*
- *acumulator + incarcator baterie.*
- *3 fire de taiere.*







	mm		
368455	650	1850	**5086.39**

INSULACUT NOU

Aparat de taiere cu lama calda pentru vata minerala

- *taiere fara efort, precisa si curata*
- *special pentru materiale de izolatie minerala, cum ar fi vata minerala.*
- *acumulator Li-ion de 14,4 V - 1,5 Ah si incarcator incluse.*
- *lungimea lamei: 300 mm.*
- *certificat CE.*







	mm		
366255	300	2700	**1627.21**

WOOLCUT

NOU

Fierastrau cu acumulator pentru materiale izolatoare bio si minerala

• ideal pentru taăierea izolatiei din fibre naturale, cum ar fi fibrele de lemn/lana, canepa și bumbacul reciclat, dar si vata minerala, vata de sticla, poliuretan, polistiren
• funcționeaza cu baterie pentru o mai mare libertate de lucru.
• echipat cu o lama cu miscare dubla opusa pentru o taiere rapida si eficientă, reducand in acelasi timp vibratiile.
• 2 tipuri de lama dubla: pentru izolatie flexibilă si comprimata
• motor fara perii = puternic, durabil, cu intretinere redusă.
• design ergonomic cu 2 butoane ON/OFF pentru usurinta in utilizare.
• sistemul de protectie cu dublu clic previne pornirea accidentala
• certificat CE.
• unghi de tăiere: 90° - 45°.
• grosime maxima de taiere: 240 mm.
• tensiune: 18 V DC.
• acumulator: 18 V - 4 Ah Li-ion.
• incarcator baterie: 21 V - 2,3 A.
• cursa: 30 mm.
• viteza cursei fara sarcina: 2800 spm (curse/min).

Set de livrare:
• 2 baterii 18 V - 4 Ah + incarcator.
• 1 lama dubla 240 mm pentru izolatie flexibila
• 1 lama dubla 240 mm pentru izolație comprimata
• 2 ghidaje de taiere: sus cu unghi reglabil si jos pe roti.
• hota de aspirare + adaptor pentru aspirator.
• geanta de transport.











	mm		
368755	240	6890	7540.98



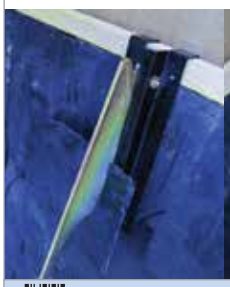
033055

Ghilotina pentru ardezie PRO MAT-COUP 210

• pentru ardezie naturala/ artificiala de pana la 7 mm
• taiat curate, fara efort
• miscarea de inaintare usoara ardeziei pentru taiere progresiva
• conceput pentru mobilitate, cu puncte de fixare









	mm		
033055	400	12000	507.21

289955

Ghilotina pentru podele lemn MEGA STRATICUT 400

• taieri curate fara nici un efort
• nu necesita ascutirea lamei
• fara praf si fara zgomot
• opritor detasabil pentru taieturi unghiulare, taieturi pe lungime si latime pana la 400 mm
• latimea maxima cu opritor (total): 230 mm, 320 mm si 400 mm
• capacitate de taiere: 15 mm grosime si pana la clasa 33 podele din lemn pentru trafic intens in zone comerciale (conform reglementării europene EN 685)

MEGA STRATICUT® 400







	mm		
289955		12460	1415.25

030355

Cleste pentru gofrat tubulatura cu trei lame

• utilizare optima datorita capului cotit
• pentru burlane
• pentru o muncă mai usoara in zone cu acces restrans
• utilizare pana la 30 mm













	mm		
030355	225	450	263.44

017255

Nibbler atasament pentru masini de gaurit cu acumulatori

• taiere rapida, usoara si curata
• capacitati de taiere:
- 0,8 mm otel inoxidabil
- 1,5 mm otel galvanizat, zinc, tabla, cupru, alama
- 2 mm PVC, pardoseli de vinil, aluminiu
- 2,5 mm policarbonat
• atasament pentru metale plate sau ondulate si suprafete din PVC
• turatie de minim 300 rpm





	mm		
017255	max. 2,5	255	673.11

Malco®

Work. Perform. Outlast.

TS1 NOU

Foarfeca pentru tabla TurboShear® maxim 1.02 mm

- *modelul nr. TS1 se insereaza direct in mandrina unei masini de gaurit standard de 1200 rpm cu sau fara cablu*
- *acest accesoriu robust taie drept si spre stanga si este capabil sa realizeze modele curbe si patrate stranse din otel galvanizat de 1,02 mm*
- *tierea necesita doar o gaura de pornire de 1/2" (12,7 mm)*
- *aplicatiile de taiere includ atat table feroase, cat si neferoase, panouri metalice pentru acoperisuri/constructii, vinil, plasa de otel, conducte, chiar si metalul gros al invelisului cuptorului, carcasele echipamentelor sau panourile caroseriei auto*
- *un design special care tine ambele maini departe de suprafata de lucru*
- *falcile intarite de lunga durata sunt de asemenea interchimbabile*
- *capacitate taiere otel galvanizat: 1.02 mm*
- *capacitate taiere otel laminat la rece: 0.91 mm*







TS1	737	826.23

TS1RB NOU

Falci de schimb pentru TS1

- *material: otel carbon de inalta rezistenta*



TS1RB	227	436.23

TSHD NOU

Foarfeca pentru tabla TurboShear® Heavy Duty maxim 1.32 mm

- *TurboShear Heavy Duty (TSHD) este o unealta puternica de taiere a tablei care poate fi atasata rapid la o masina de gaurit cu sau fara cablu*
- *acest accesoriu de forfecare electrica are capacitatea de a face taieturi rapide drepte, curbe sau patrate in cele mai comune foi de metal*
- *falcile cu deschidere larga ale foarfecei pot functiona la viteze mari sau mici pentru controlul de care aveti nevoie, atunci cand aveti nevoie.*
- *cu dispozitivul de taiat tabla TSHD de la Malco, puteti sa:*
  - *urmati o linie de taiere precisa*
  - *realizati taieturi transversale prin profile metalice si panouri de acoperis*
  - *taiati metal stratificat si cusaturi, chiar si nervurile conductelor spiralate*
- *falcile din otel carbon intarit ofera o capacitate de taiere de pana la 1,22 mm in otel moale*
- *capacitate de reglare laterala a lamei, care asigura mentinerea performantei optime de taiere si manevrabilitate pe toata durata de viata a lamelor*
- *sunt disponibile si lame de schimb si pot fi instalate cu usurinta*
- *un cap de forfecare din aluminiu turnat elegant si usor si o clema turnata permit portabilitate maxima*
- *clema telescopica compacta patentata se ajusteaza pentru a se potrivi atat pe lungime, cat si pe latimea dimensiunilor de masini de gaurit populare, inclusiv a masinilor de gaurit cu impact mai mici*
- *pe clema sunt depozitate distantiere optionale pentru masini de gaurit mari*
- *gulerul de prindere permite capului de forfecare sa fie rotit la 360° si fixat in orice pozitie pentru un spatiu optim al sculei atunci cand taiati profile sau pentru a facilita fluxul usor de material.*
- *capacitate taiere conducta spiralata: 1.02 mm*
- *capacitate taiere otel galvanizat: 1.32 mm*
- *capacitate taiere otel moale: 1.22 mm*







TSHD	1000	1524.10

TSHDRB NOU

Falci de schimb pentru TSHD

- *material: otel carbon de inalta rezistenta*



TSHDRB	810	200	655.74

TSCM NOU

Foarfeca pentru tabla TurboShear® Corrugated Metal pentru tabla acoperisuri 0.31-0.61 mm

- *taierea acoperisului din metal ondulat este mai usoara cu TSCM TurboShear de la Malco*
- *aceasta foarfeca atasament functioneaza mai bine si mai rapid decat foarfecele manuale pentru acoperisuri metalice*
- *realizeaza usor taieturi transversale, taieturi rapide pe lungime si taieturi precise circulare si patrate*
- *acoperisurile din metal ondulat si panourile de acoperis metalice cu model trapezoidal (cutie) pot fi taiate cu usurinta cu TSCM.*
- *falcile compacte creeaza un unghi de 75°, astfel incat masina de gaurit sa fie tinuta aproape aproape vertical atunci cand incepeti o taiere*
- *deoarece aceste lame decalate urmeaza unghiul de ridicare al unui profil ondulat sau trapezoidal, masina de gaurit cu sau fara cablu are spatiu liber pentru a se inclina in mod natural in jos si totusi sa elibereze suprafata panoului de acoperis*
- *acest foarfeca pentru acoperis ondulat functioneaza la viteze mari sau mici pentru controlul de care aveti nevoie pentru a urmari liniile de taiere precise*
- *angrenajele rezistente si lamele robuste din otel carbon intarit se combina pentru a oferi o durata lunga de viata prelungita la taierea in panouri metalice de acoperis de 0,31 – 0,61 mm*
- *capacitate de reglare laterala a lamei asigura mentinerea performantei optime de taiere si manevrabilitate pe toata durata de viata a lamelor.*
- *cap de forfecare elegant, usor, din aluminiu turnat si o clema de atasare patentata din polimer turnat compact permite portabilitate si usurinta maxima*
- *clema de gaurit telescopica se ajusteaza pentru a se potrivi atat pe lungime, cat si pe latimea dimensiunilor de masini de gaurit, inclusiv a masinilor de gaurit cu impact mai mici*
- *clema de atasament include distantiere optionale pentru carcasele mari ale motorului pentru o mai buna ajustare pe masina de gaurit*
- *gulerul de prindere permite capului de forfecare sa se roteasca la 360° pentru un spatiu optim al sculei atunci cand taiati prin profille sau pentru a facilita fluxul usor de material.*
- *lame de schimb care pot fi instalate cu usurinta la locul de munca disponibile si separat*
- *capacitate taiere otel moale: 0.31-0.61 mm*















TSCM	1000		1631.15

TSHDRB NOU

Falci de schimb pentru TSCM

• *material: otel carbon de inalta rezistenta*



TSCMRB	181	764.43

TSMD NOU

Foarfeca pentru tabla TurboShear® Double Cut Drill maxim 1.32 mm

• *se potriveste pe masini de gaurit cu sau fara cablu*
• *lamele TurboShear-ului Malco Double-Cut indeparteaza o spirala ingusta de pe traseul sculei pentru a produce o margine curata si dreapta pe ambele parti ale taieturii*
• *aceste lame se pot apropia de o taietura de la fiecare capat pentru a produce o margine de calitate a piesei de prelucrat*
• *de asemenea, pot realiza taieturi pe profilele exterioare de pana la 90° ale panourilor metalice de acoperis sau ale conductelor metalice si sunt suficient de robuste pentru a taia cusaturile*
• *lamele de otel carbon interschimbabile pot fi inlocuite cu usurinta la locul de munca*
• *clema telescopica compacta patentata gazduieste atat lungimea, cat si latimea carcasei masinii de orice dimensiune, inclusiv masini de gaurit cu impact mai mici, pentru a asigura o operare usoara cu o singura mana*
• *pe clema sunt depozitate distantiere optionale pentru masini de gaurit cu carcase mari*
• *gulerul de clema permite ca capul de forfecare sa fie rotit la 360° si fixat in orice pozitie pentru un spatiu optim al sculei*
• *se potriveste unui burghiu pe care il detineti deja.*
• *realizeaza margini curate pe ambele parti ale taieturii.*
• *taieturi pe profilele exterioare de 90°.*
• *taie prin cusaturi.*
• *capacitate taiere conducta spiralata: 1.02 mm*
• *capacitate taiere otel galvanizat: 1.32 mm*
• *capacitate taiere otel moale: 1.22 mm*







TSMD	1180	1,792.13

TSMDRB NOU

Falci de schimb pentru TSMD

• *material: otel carbon de inalta rezistenta*



TSMDRB	159	806.72

TSF2 NOU

Foarfeca pentru placi fibrociment TurboShear® maxim 13 mm

• *accesoriu TurboShear Drill pentru taiere rapida si curata, specializat pentru taierea de 12,7 mm, ideal pentru placi suport din fibrociment*
• *arborele de antrenare al acestui accesoriu de operare cu o singura mana se introduce rapid in mandrina unei masini de gaurit electric cu sau fara cablu*
• *o placa de protectie larga pe designul capului stabilizeaza actiunea de taiere pentru rezultate de taiere foarte fina*
• *aceasta foarfeca versatila realizeaza taieturi pe model curbat pentru arcadele ferestrelor si usilor si, de asemenea, taieturi de pana la 8 mm in placi din fibrociment*
• *lama din otel carbon*
• *cap de forfecare din aluminiu turnat elegant si usor si o clema de atasare turnata permit portabilitate maxima si usurinta de mers oriunde este lucrul*
• *clema de atasament telescopica compacta patentata se ajusteaza pentru a se potrivi atat pe lungimea, cat si pe latimea masinii de gaurit, inclusiv masini de gaurit cu impact mai mici*
• *distantierele optionale sunt stocate pe clema pentru masini de gaurit cu carcase mari*
• *gulerul de prindere permite ca, capul de forfecare sa fie rotit la 360° si fixat in orice pozitie pentru un spatiu optim al sculei sau pentru a facilita fluxul usor de material*
• *capacitate taiere fibrociment: 13 mm*







TSF2	1130	2418.36

TSF2RB NOU

Falci de schimb pentru TSF2

• *material: otel carbon de inalta rezistenta*



TSF2RB	159	771.48







GROUT SAW

NOU

Fierastrau pentru mortar

- *utilizare cu 1 sau 2 lame*
- *livrat cu 2 lame din carbura de tungsten:*

1 set pe unealta, cel suplimentar in compartimentul de depozitare



	m		
254755		140	52.46

277955

NOU

Razuitor de precizie cu 7 lame

- *multifunctional datorita lamelor sale de diferite forme si dimensiuni.*
- *4 lame din carbura de tungsten ideale pentru lucrari meticuloase, precise, precum rame de ferestre, plinte dar si locuri greu accesibile.*
- *3 lame din inox pentru decapare vopsea, lac, compus pe diferite forme.*
- *carcasa cu 6 lame pentru depozitare usoara.*
- *maner ergonomic bi-material pentru o prindere confortabila*
- *ivrat cu un toc pentru curea pentru depozitare.*







	m		
277955		280	231.64

277855

NOU

Razuitor triunghiular

- *permite saparea, largirea fisurilor din perete sau tavan inainte de umplere.*
- *lama inlocuibila din otel inoxidabil, grosime de 3 mm*
- *maner lung, bimaterial, utilizabil cu 2 maini*



	mm			
277855	3		240	53.28

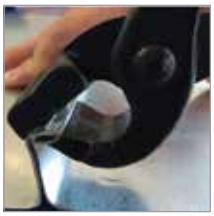
131155

NOU

Cleste pentru deschis pliuri

- *cleste pentru deschiderea pliurilor si a jgheaburilor*
- *cap din otel forjat.*
- *lungime cap 30 mm.*
- *manere din PVC (izolatie termica)*







	mm			
131155	30		490	630.33

035655

NOU

Cleste pentru tigla

- *lungime 220 mm*
- *tratat prin inductie*
- *manere din PVC (izolatie termica)*



	mm			
035655	220		490	218.52



251755

NOU

Cleste pentru placi mozaic

- *permite efectuarea de taieturi si decupari mici.*
- *falci de carbura de tungsten deportate.*
- *arc de redeschidere*
- *manere ergonomice bimateriale*



	mm			
251755	-		640	118.20

ALPHACUT

Ghilotina pentru taiere fibrociment

- *taiere ingrijita fara niciun efort.*
- *niciodată nu necesita ascutire pe lama*
- *fara praf*
- *fara zgomot.*
- *capacitate de taiere: 11 mm grosime si pana la 210 mm latime*

ALPHACUT



	mm			
037055	210		5960	760.66

VARIOCUT

Ghilotină pentru taiere fibrociment

- *taiere curata fara niciun efort.*
- *speciala pentru taieturi lungi*
- *nu este necesara niciodata ascutire.*
- *permite taieturi de la 0° la 90°.*
- *fara praf*
- *fara zgomot.*
- *max. 320 mm latime pentru taiere dreapta si max. 210 mm latime pentru taiere unghiulara*
- *taie pana la 12 mm grosime.*
- *nclude si :*

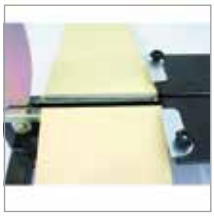
- 1 suport

- 1 colector de gunoi.

VARIOCUT











	mm			
089955	320		11380	2469.34

030555

Cleste pentru indoit tabla drept 180 mm

- *articulatie suprapusa*
- *adancime de pliere: 175 mm*



EDMA

	mm	<		
030555	180	175	2510	**1455.90**

030655

Cleste pentru indoit tabla drept 200 mm

- *articulatie suprapusa*
- *adancime de pliere: 185 mm*



EDMA

	mm	<		
030655	200	185	2590	**1567.87**

975

Cleste drept pentru faltuit

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*





Zbirovia

	L	A		
975/100	430	100	1055	**785.86**
975/125	430	125	1205	**835.41**
975/140	430	140	1240	**883.36**

976/125

Cleste indoit la 45° pentru faltuit

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*



Zbirovia

	L	A		
976/125	405	125	1140	**1185.99**

135755

Cleste cu varf plat

- *manere din PVC (plastizolat)*





EDMA

	mm		
135755	-	-	**in curand**

992

Cleste drept pentru faltuit 24 mm

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*
- *manson PVC*





Zbirovia

	L	A		
992/24 PH	180	24	205	**244.01**

039555

Cleste cu varf drept 100 mm

- *manere din PVC (plastizolat)*
- *articulatie suprapusa*
- *adancime pliere: 58 mm*





EDMA

	mm		
039555	58	730	**829.02**

135555

Cleste de faltuit pentru colturi

- *maner plastizolat*



EDMA

	latime	adancime		
135555		66	809	**789.70**

971

Cleste drept pentru faltuit 50 mm

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*
- *manson PVC*





Zbirovia

	L	A		
971/50 PH	260	50	515	**439.01**

034855

Cleste de faltuit la 90°

- *maner plastizolat*
- *adancime pliere: 58 mm*







	latime	adancime		
034855	60	58	770	660.82

034555

Cleste cu varf la 45° 80 mm

- *manere din PVC (plastizolat)*
- *articulatie suprapusa*
- *adancime pliere: 48 mm*





	mm		
034555	48	1030	924.59

034455

Cleste cu varf la 45° 60 mm

- *manere din PVC (plastizolat)*
- *articulatie suprapusa*
- *adancime pliere: 48 mm*





	mm		
034455	48	730	640.66

034255

Cleste cu varf la 45° 22 mm

- *manere din PVC (plastizolat)*
- *articulatie suprapusa*
- *adancime pliere: 28 mm*





	mm		
034255	28	730	481.48



972

Cleste indoit la 45° pentru faltuit 50 mm

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*
- *manson PVC*





	L	A		
972/50 PH	240	50	470	563.69

973

Cleste indoit la 90° pentru faltuit 50 mm

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*
- *manson PVC*





	L	A		
973/50 PH	220	50	500	611.64

993

Cleste indoit la 45° pentru faltuit 24 mm

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*
- *manson PVC*





	L	A		
993/24 PH	180	24	225	311.15

983 PH

Cleste cu varfuri rotunde pentru tabla

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*
- *manson PVC*







	L	A		
983 PH	240	Ø 4.5	300	**288.78**

998

Taietor ardezie

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*



	L	A		
998/400	400		1000	**530.65**
998/500	500		1400	**671.31**

974

Nicovala pentru faltuit

- *material: forjat din otel inalt aliat*
- *acoperire prin brunare*



	L		
974/100	100	1800	**531.73**
974/140	140	2300	**562.63**

134255

Rola silicon de presare 28 mm cu maner lemn

- *2 rulmenti cu bile*
- *rola de silicon*
- *maner din lemn pentru presiunea maxima*
- *diametru: Ø 33 mm*







	mm		
134255	28	158	**456.56**

134355

Rola silicon de presare 45 mm cu maner lemn

- *2 rulmenti cu bile*
- *rola de silicon*
- *maner din lemn pentru presiunea maxima*
- *diametru: Ø 33 mm*



	mm		
134355	45	195	**475.90**

134455

Rola silicon de presare 90 mm cu maner lemn la 45°

- *2 rulmenti cu bile*
- *rola de silicon*
- *maner din lemn pentru presiunea maxima*
- *diametru: Ø 33 mm*



	mm		
134455	45	194	**491.15**

234355 NOU

Rola silicon de presare 45 mm cu maner lemn

- *design ergonomic pentru a oferi presiune maxima*
- *2 rulmenti cu bile cu rulare lină.*
- *pentru sudare prin suprapunere.*
- *rola de silicon.*
- *Ø 33 mm.*



	mm		
234355	45	240	**502.62**

134655 NOU

Rola silicon de presare 90 mm cu maner lemn

- *rulment simplu.*
- *rola de silicon.*
- *ax nituit*
- *maner ergonomic din lemn.*
- *pentru sudare prin suprapunere.*
- *Ø 33 mm*



	mm		
134655	90	370	**572.13**

134555 NOU

Rola alama de presare 28 mm cu maner lemn la 45°

- *rulment cu bile*
- *unghi de 45°.*
- *maner ergonomic din lemn.*
- *Ø 28 mm*



	mm		
134555	28	130	**468.69**

134755 NOU

Rola otel de presare 40 mm cu maner lemn

- *2 rulmenti cu bile cu rulare lina*
- *rola de otel.*
- *design rezistent.*
- *maner ergonomic din lemn.*
- *pentru sudarea sub presiune la rece.*
- *Ø 40 mm.*





	mm		
134755	40	450	433.77

134855 NOU

Rola otel de presare 60 mm cu maner lemn

- *2 rulmenti cu bile cu rulare lina*
- *rola de otel.*
- *design rezistent.*
- *maner ergonomic din lemn.*
- *pentru sudarea sub presiune la rece.*
- *Ø 40 mm.*



	mm		
134855	60	610	477.70

050155

Menghina reglabila pentru pozitionat tevi

- *pentru tevi de la 8 pana la 30 mm*
- *pentru sudarea tevi, profile si fier forjat*
- *deschiderea bratelor variabila pana la 60 mm*





	mm		
050155	8 - 30	215	149.84

036155

Trasator pentru zinc

- *material: otel inoxidabil*
- *masurare (5 mm) de la 5-100 mm*





	mm		
036155	250	80	135.41

133355

Inclinometru

- *pentru masurarea unghiului*
- *1° precizie*



	mm		
133355	150	45	55.57

036455

Set pentru decapat

- *special pentru zinc*
- *nu aluneca pe acoperis*



	mm		
036455	220	205	131.31



236455

Decapant solid



	mm		
236455		107	41.80

136455

Set 25 pensule pentru decapat



	mm		
136455	-	72	168.03

135155

Recipient plastic cu perie unghiulara

- *LDPE transparent*
- *capac cu filet*
- *perie unghiulara atasata*
- *500 ml*



	ml		
135155	500	79	145.90

064255

Trasator cu creta 30 m cu doua manere

- *trasator cu creta cu doua manere*
- *ideal la montajul acoperisurilor*
- *diametrul sfoara: 2 mm*

capacitate: 2 x 100 g

- *sistem de filtrare care restrictioneaza excesul de creta*



	m		
064255	30	250	186.56

231055 NOU

Cleste pentru taierea si perforarea ardeziei naturale cu grosimea de pana la 7 mm

- *sistem de parghie optimizat pentru taiere fara efort*
- *design inovator pentru doua moduri de lucru diferite (clasic si invers).*
- *lama, pumnul si arcul au fost intarite prin tratament termic pentru a fi mult mai durabile.*
- *aparatoarea manerului evita să se ciupeasca*
- *cleste ergonomic cu manere bimateriale.*
- *intreținere usoara: realizat din putine piese, ceea ce face curatarea sculei mult mai usoara*

MASTERCUT











	mm		
231055	< 7.0	860	936.56

MAXI RET®

Cleste pentru gofrat tubulatura cu 5 lame

- *instrument de sertizare a tevilor pentru toate tipurile de tevi metalice.*
- *special pentru tevi din osel inoxidabil pana la 0,8 mm*
- *reducerea progresiva a diametrului conductei*
- *prelevare cu 52 mm cu 2 amprente intr-o singura presa*

MAXI-RET®







	mm		
035055	52	810	470.98

MAT NOU

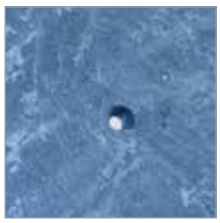
Cleste de taiat si perforat ardezie, lama de 35 mm

- *2 in 1 = taerea si perforarea ardeziei.*
- *fara praf*
- *maner ergonomic si bimaterial.*
- *pentru a taia si a perfora ardezie naturala si artificiala max. 7 mm grosime.*

MAT







	mm		
031055	35	810	630.49

MAT 2 NOU

Cleste de taiat si perforat ardezie, lama de 55 mm

- *2 in 1 = taerea si perforarea ardeziei.*
- *fara praf*
- *maner ergonomic si bimaterial.*
- *pentru a taia si a perfora ardezie naturala si artificiala max. 7 mm grosime.*

MAT



	mm		
032455	55	900	682.79

MAT COUP NOU

Cleste de taiat ardezie, lama de 35 mm

- *fara praf*
- *maner ergonomic si bimaterial.*
- *pentru a taia si a perfora ardezie naturala si artificiala max. 7 mm grosime.*

MAT COUP





	mm		
032055	35	690	352.62

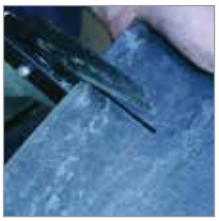
MAT COUP 2 NOU

Cleste de taiat ardezie, lama de 35 mm

- *fara praf*
- *maner ergonomic si bimaterial.*
- *pentru a taia si a perfora ardezie naturala si artificiala max. 7 mm grosime.*

MAT COUP





	mm		
032555	55	710	367.87

INTERPERFOR NOU

Masina de perforat cu crestaturi 3.5 x 15 mm

- *ideal pentru foi de placare acoperite cu vinil, zinc sau aluminiu.*
- *capacitate de crestare:*
- *0,8 mm : zinc, placare din tabla*
- *1 mm: plastic*
- *face o crestatura de 3,5 x 15 mm pentru a preveni flambajul.*
- *adancime de 9 până la 21 mm de la axa alungita*

INTERPERFOR







	mm		
034155	35	810	622.30

251655 NOU

Cleste pentru placi ceramice

- *roata si sistem de rupere integrate*
- *arc de redeschidere*
- *maner ergonomic bimaterial*



	mm		
251655	-	380	125.25

073155

Dispozitiv de taiere pentru PVC, IRL, ICTA si tevi PER, Ø 16, 20 si 25 mm TRIOCOUP

- *taiere curata, fara efort si deformare sau colmatare*
- *lama din otel inoxidabil*
- *auto-blocare, 3 sloturi de taiere rotative pretensionate*
- *simplu rotirea cilindrului permite schimbarea diametrului de taiere*

TRIOCOUP'







	mm		
073155	Ø 16, 20 si 25	510	247.54

073255

Lama din otel inoxidabil pentru dispozitivul TRIOCOUP

- *taiere curata, fara efort si deformare sau colmatare*
- *lama din otel inoxidabil*



	mm		
073255	-	40	149.02

MULTI-COUP'®

Foarfeca cu unghi variabil de taiere

- *taiere curata fara efort*
- *deschiderea permite taierea usoara de placi decorative din lemn, plinte din lemn, garnituri din cauciuc, sectiuni din PVC*

MULTI-COUP'® EXTRA







	mm		
071055	235 x 420	390	280.16

018555

Perforator pentru tabla POLYPERFOR

- *forta de perforare: 740 kg*
- *include un set de 4 stante: Ø 3.3 mm; Ø 4,1 mm pentru cabluri suspendate din otel; Ø 4,9 mm si 6,2 mm pentru tije filetate*
- *deschidere precisa la maxim 8 mm*
- *opritor de adancime reglabil pana la 43 mm*
- *aplicatii: acoperisuri, tavane suspendate etc.*

POLYPERFOR



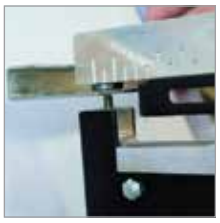




	TABLA	OTEL INOXIDABIL	ALUMINIU
Ø 3,3 mm	1,5 mm	1,2 mm	3 mm
Ø 4,1 mm	1,5 mm	1 mm	2 mm
Ø 4,9 mm	1,2 mm	0,8 mm	2 mm
Ø 6,2 mm	0,8 mm	0,5 mm	1,5 mm

	mm		
018555	3,3; 4,1	1150	1165.57

018455

Stante pentru perforator pentru tabla POLYPERFOR

- *Ø 3,3 mm / Ø 4,1 mm / Ø 4,9 mm / Ø 6,2 mm*



	mm		
018455	3.0, 4.1, 4.9, 6.2	135	457.21

037355

Tesla pentru acoperisuri

- *corp forjat*
- *unghie extractoare si ciocan*
- *maner din piele*



	mm		
037355	270	1175	1040.00

087055

Set complet pentru montarea parchetului laminat TAK-TIK

- *setul include:*
- *1 levier (cadru metalic): folosit pentru a muta placile pe lungime pentru a elimina spatiile libere la ajustarea podelelor*
- *1 batator lemn (rama de lemn): un bloc de protectie la montare si ajustare podele*
- *20 distantiere: pentru pozitionarea placilor la perete*

SET TAK-TIK







	mm		
087055	-	435	127.87

200-1

Clema de asamblat podele flotante

- *din metal finisat*



	Dim.	L	H	I		
200-1	450	450	120	55	1730	165.99

200-2

Clema de asamblat podele flotante

- *din metal finisat*



	Dim.	L	H	I		
200-2	285	285	60	20	440	48.59

200-4C

Set de pene de lemn pentru asamblarea podelelor flotante

- *se utilizeaza cu clema de 285 mm*



	Dim.		
200-4C	235 x 60 x 65	920	100.40

087355

Set 40 pane de pentru montat parchet laminat

• *pentru montarea parchetului laminat*



	mm		
087355	-	435	**74.26**

269155

Dispozitiv de montat parchet clasic/laminat prin lovire

• *pentru montarea parchetului laminat*



	mm		
269155	500 x 70 x 20	900	**257.54**

STRATICUT® 230 LVT

Ghilotina pentru laminate, podele de vinil STRATICUT ® 230 LVT

• *taiere rapida si fara efort*
• *nu este necesara ascutirea lamei*
• *fara praf / fara zgomot*
• *matrita de taiere cu 2 pozitii:*
- pozitia 1 (filare ingusta): pentru taierea pardoselilor LVT (Luxury Vinyl Tile), vinil HD si PVC cu grosimea de pana la 12 mm.
- pozitia 2 (filare lata) : pentru taierea pardoselilor laminate cu grosimea de pana la 12 mm si a pardoselilor din lemn clasa 33 pentru trafic foarte intens in zone comerciale (conform reglementarii europene EN 685).
• *latime maxima cu opritoare: 230 mm total.*
• *opritoare detasabile pentru a face taieturi in unghi, taieturi in lungime si mai late de scanduri de 230 mm.*

Accesorii *:*
- 1 suport.
- 1 colector de praf.

STRATICUT® 230 LVT







	mm		
089355	230	7560	**796.23**

CAMELEON 130

Ghilotina unghiulara cu o lama interschimbabila din otel inoxidabil de 130 mm

• *taiere curata, fara praf: plinte din lemn, parchet, lambriuri, sipci, muluri pentru tocul usii etc..*
• *taiere perfecta pana la 28 mm inaltime si 130 mm lungime cu o gama de unghiuri de la 45 la 90°.*
• *maner lung pentru o taiere rapida si usoara*
• *ideal pentru taierea lemnelor europene (stejar, fag...), lemnelor americane (cires, pin galben de sud...), pin nordic, lambriuri PVC, lambriuri MDF*

CAMELEON 130







	mm		
085055	130	3480	**859.18**

STRATICUT® 230

Ghilotina pentru laminate, podele de vinil STRATICUT

• *taiere rapida si fara efort*
• *nu este necesara ascutirea lamei*
• *fara praf*
• *fara zgomot*
• *dopuri detasabile pentru a face taieturi unghiulare, taieturi in lungime si scanduri mai largi de 230 mm*
• *latime maxima cu dopuri: 230 mm*
• *capacitate de taiere: 12 mm grosime si pana la podeaua din lemn de clasa 33 pentru trafic foarte intens in zona comerciala (conform reglementării europene EN 685).*
• *accesorii:*
- 1 cavaler.
- 1 colector de praf.

STRATICUT® 230







	mm		
089055	230	7080	**772.46**

250155

Ventuza simpla pentru ridicare diametru 120mm

• *1 cap Ø 120 mm*
• *aliaj de aluminiu*
• *capacitate maxima pentru asezarea podelei: 40-50 kg*
• *capacitate maxima de montare pe perete: 30-40 kg*
• *pentru placi si suprafete netede*



	mm		
250155	120	480	**144.92**

250255 NOU

Ventuza dubla pentru ridicare diametru 120 mm

• *2 capete Ø 120 mm*
• *aliaj de aluminiu*
• *capacitate maxima pentru asezarea podelei: 90-100 kg*
• *capacitate maxima de montare pe perete: 80-90 kg*
• *pentru placi si suprafete netede*



	mm		
250255	2 x 120	480	**197.54**

250355 NOU

Ventuza triple pentru ridicare diametru 120mm

• *3 capete Ø 120 mm*
• *aliaj de aluminiu*
• *capacitate maxima pentru asezarea podelei: 130-140 kg*
• *capacitate maxima de montare pe perete: 120-130 kg*
• *pentru placi si suprafete netede*



	mm		
250355	3 x 120	1230	**270.00**

130755

Dispozitiv bordurat la 90° si 180°

• pentru realizarea de indoiri pe suprafete drepte si curbe cu raze mici (in interior si in afara)
• gradatii in cm si inch
• maner cu efect de levier
• inaltimea de indoire reglabila continuu de la 5 la 25 mm
• capacitati indoire:
- otel inoxidabil: 0,5 mm
- otel / tabla: 0,7 mm
- cupru: 0,8 mm
- zinc / aluminiu: 1 mm





	mm		
130755	5,0 - 25,0	1010	4222.95

130655 NOU

Dispozitiv bordurat cu 2 role la 90° si 180°

• inaltimea de la 8 mm la 40 mm.
• grosime maxima: 1 mm.
• instrument gata de lucru: nu este necesara ajustarea.
• capacitate de pliere:
- otel inoxidabil: 0,5 mm.
- ttel/tabla: 0,7 mm.
- cupru: 0,8 mm.
- zinc/aluminiu: 1 mm.





	mm		
130655	8,0 - 40,0	3500	10874.43

130855 NOU

Dispozitiv pentru pliuri, contrapliuri, zone ridicate tabla

• dispozitiv pentru indoit tabla
• pentru zinc, aluminiu, metal moale, otel inoxidabil.
• 8 role de ghidare pentru foi lungi
• posibilitatea de separare a scului pentru a obtine doua dispozitive 4X4 (ref. 130155).
• inaltime de la 5 mm pana la 200 mm.
• capacitate de pliere:
- orel inoxidabil: 0,5 mm.
- ttel/tabla: 0,7 mm.
- cupru: 0,8 mm.
- zinc/aluminiu: 1 mm





	mm		
130855	5,0 - 200,0	5200	12246.72

130255

Dispozitiv bordurat la 90° si 180°

• inaltime de la 8 mm la 40 mm
• grosimea maxima de 1 mm
• instrument gata de lucru: nu necesita alte reglari
• capacitati indoire:
- otel inoxidabil: 0,5 mm
- otel / tabla: 0,7 mm
- cupru: 0,8 mm
- zinc / aluminiu: 1 mm





	mm		
130255	4,0 - 40,0	1080	4201.80





130455 NOU

Dispozitiv pentru pliuri, contrapliuri, zone ridicate tabla

• dispozitiv pentru indoit tabla
• pentru zinc, aluminiu, metal moale, otel inoxidabil.
• 4 role de ghidare pentru foi lungi
• posibilitatea de separare a scului pentru a obtine doua dispozitive X2 (ref. 130355).
• inaltime de la 5 mm pana la 200 mm.
• capacitate de pliere:
- orel inoxidabil: 0,5 mm.
- ttel/tabla: 0,7 mm.
- cupru: 0,8 mm.
- zinc/aluminiu: 1 mm





	mm		
130455	5,0 - 200,0	5200	9501.80

BENDER 4X4 NOU

Dispozitiv pentru pliuri 350 mm, contrapliuri, zone ridicate tabla

• dispozitiv pentru indoit tabla
• mai rapid decat clestele de fixare.
• 4 roti.
• capacitate de pliere:
- otel inoxidabil: 0,5 mm.
- otel/tabla: 0,7 mm.
- cupru: 0,8 mm.
- zinc/aluminiu: 1 mm.
• adsncime de pliere: 350 mm.





	mm		
130955	350,0	4000	5840.66



BENDER X2 NOU

Dispozitiv pentru pliuri, contrapliuri, zone ridicate tabla

- *dispozitiv pentru indoit tabla*
- *mai rapid decat clestele de fixare.*
- *2 roti.*
- *capacitate de pliere:*
- *otel inoxidabil: 0,5 mm.*
- *otel/tabla: 0,7 mm.*
- *cupru: 0,8 mm.*
- *zinc/aluminiu: 1 mm.*
- *adsncime de pliere: 200 mm.*





	mm		
130355	200,0	2310	4581.80



BENDER 4X4 NOU

Dispozitiv pentru pliuri 200 mm, contrapliuri, zone ridicate tabla

- *dispozitiv pentru indoit tabla*
- *mai rapid decat clestele de fixare.*
- *4 roti.*
- *capacitate de pliere:*
- *otel inoxidabil: 0,5 mm.*
- *otel/tabla: 0,7 mm.*
- *cupru: 0,8 mm.*
- *zinc/aluminiu: 1 mm.*
- *adsncime de pliere: 350 mm.*





	mm		
130155	200,0	2820	5067.87

TILE LIFTER 280-665 NOU

Dispozitiv transportat placi ceramice 280-665 mm

- *sistem de reglare rapida*
- *ideal pentru a transporta cu usurinta gresie*
- *maner centrat, indiferent de latimea placii de transportat*



	mm		
269055	280 - 665	1490	378.36

TILE LIFTER 280-800 NOU

Dispozitiv transportat placi ceramice 280-800 mm

- *sistem de reglare rapida*
- *ideal pentru a transporta cu usurinta gresie*
- *maner centrat, indiferent de latimea placii de transportat*



	mm		
369055	280 - 800	1810	452.13

259755 NOU

Genunchere cu gel

- *confortabil si rezistent*
- *carcasa moale din nailon.*
- *tesatura neopren SBR respirabila*
- *spuma injectata si captuseala cu gel pentru confort maxim.*
- *curele duble reglabile cu catarame = reglare usoara, fara efect de forfecare.*
- *ideal pentru a va proteja genunchii de suprafete dure, cum ar fi ciment, acoperisuri si alte pardoseli.*
- *certificat CE, EN14404: 2004+A1: 2010 - Tip 1 nivel 1*



	m		
259755		-	233.61

259855 NOU

Genunchere cu gel

- *stabilitate si protectie optima datorită armaturilor TPR.*
- *tesătura neopren SBR respirabila*
- *spumă injectata si captuseala cu gel pentru confort maxim.*
- *curele duble reglabile cu catarame = reglare usoara, fara efect de forfecare.*
- *ideal pentru a vă proteja genunchii de suprafete dure, cum ar fi ciment, acoperisuri si alte pardoseli*
- *certificat CE, EN14404: 2004+A1: 2010 - Tip 1 nivel 1*



	m		
259855		-	314.10

258555 NOU

Genunchere cu role

- *usoare si confortabile pentru o mobilitate optima*
- *ideal pentru montarea tuturor tipurilor de pardoseli.*
- *rotire la 360° datorita celor 3 roti, permitand miscari rapide fara a lasa urme.*
- *perna de gel pentru mai mult confort.*
- *cureaua reduce tensiunea din spatele genunchiului.*
- *aproape de podea pentru a evita oboseala prematura a spatelui.*
- *posibilitatea de a scoate baza pe roti prin apăsarea unui buton*









	m		
258555		2970	804.59



041055

MAJOR - Cleste manual pentru inele, cu magazie

- *fixare perpendiculara*
- *pentru plasa de sarma si plasa de franghie.*
- *diaametru maxim de fixare : 3,9 + 3,6 mm (plasa de sarma + sarma de tensionare).*
- *magazie cu 50 de capse*
- *compatibil cu inele OMEGA 20*

MAJOR







	Ø		
041055	3.9 + 3.6 mm	1070	**645.74**

040055

JUNIOR - Cleste manual pentru inele, cu magazie

- *fixare perpendiculara*
- *pentru plasa de sarma si plasa de franghie.*
- *diaametru maxim de fixare : 2.1 + 2.2 mm (plasa de sarma + sarma de tensionare).*
- *magazie cu 50 de capse*
- *compatibil cu inele OMEGA 16*

JUNIOR





	Ø		
040055	2.1 + 2.2 mm	620	**479.34**

040355

TOP GRAFER 18 - Cleste manual pentru inele, cu magazie

- *instrument usor si la indemana*
- *magazie cu 50 de capse din otel tratat.*
- *indepartarea rapida a magaziei (spațiu de depozitare mai mic)*
- *compatibil cu DELTA 28*

TOP GRAFER 18



040355	410	**272.13**

040155

TOP GRAFER 16 - Cleste manual pentru inele, cu magazie

- *instrument usor si la indemana*
- *magazie cu 50 de capse din otel tratat.*
- *indepartarea rapida a magaziei (spațiu de depozitare mai mic)*
- *compatibil cu DELTA 16*

TOP GRAFER 16



040155	420	**268.36**

040555

TOP GRAFER 30 - Cleste manual pentru inele, cu magazie

- *instrument usor si la indemana*
- *magazin cu 50 de capse din otel tratat*
- *indepartarea rapida a revistei (spatiu de depozitare mai mic)*
- *compatibil cu DELTA 30*

TOP GRAFER 30





040555	490	**317.54**

041155

TOP GRAFER 20/22 - Cleste manual pentru inele, cu magazie

- *instrument usor si la indemana*
- *2 taietoare de sarma incorporate pana la 3 mm grosime.*
- *magazie cu 50 de capse din otel tratat.*
- *indepartarea rapida a magaziei (spațiu de depozitare mai mic)*
- *compatibil cu DELTA 22 si OMEGA 20*

TOP GRAFER 20/22







041155	480	**268.36**

041855

Pechet pentru montat garduri

- *continut:*
- *1 cleste cu inele de porc TOP GRAFER 20/22 (ref. 041155).*
- *1000 inele acoperite cu PVC verde OMEGA 20 (ref. 043001).*
- *1 cleste de taiere 220 mm (ref. 040455).*
- *pentru instalarea rapida si usoara a gardurilor cu zale.*



041855	410	**537.38**

POWER GRAFER

Cleste automat pentru strans inele atasament pentru masini de gaurit cu acumulatori

- *se potriveste tuturor tipurilor de masini de gaurit (de la 14,4 V).*
- *executie de mare viteza = economie de timp.*
- *revista cu 50 de capse*
- *pozitionarea utilizarii pentru stangaci si dreptaci.*
- *compatibil cu capse OMEGA 20 si DELTA 22.*



EDMA





041455	1040	1468.85

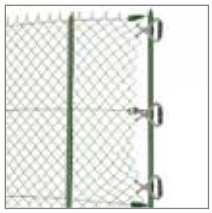
048455

Gheare de tensionare garduri

- *set de 2 dispozitive de pretensionare universale pentru gard pentru sectiune in T sau stalpi rotunzi.*
- *pentru o instalare perfecta si usoara de catre o singura persoana*
- *tine plasa in pozitie in timp ce o capseaza*



EDMA





048455	460	143.61

042455

PIC 7 - Cleste multifunctional

- *fabricat din otel crom-vanadiu (CrV): 44-50 HRC.*
- *diverse aplicatii: ciocan, intinzator de sarma, dispozitiv de indepartare a capselor, 2 taietori de sarmă, matisator*
- *msanere PVC anti-alunecare*

PIC 7



EDMA

042455	660	171.80

PUNCHER

Ciocan de capsat

- *recomandat pentru fixarea foilor grele, a foilor izolante pe acoperis si a benzilor de protectie pentru grinzile din lemn.*
- *magazie securizată cu incsrçare rapida si usoara a capselor.*
- *capacitate magazie: aprox. 175 capse.*
- *gama mare de lovire.*
- *echilibrul foarte bun.*
- *maner bimaterial ultra-confortabil*



EDMA





031855	-	1	439.67

041255

Cleste strans inele BABY GRAFER 16/20

- *taietor de sarma incorportat pana la 3 mm grosime*
- *opritor pentru o prindere mai puternica a inelului*
- *compatibil cu: OMEGA 16, 18, 20 si DELTA 18, 22*

BABY GRAFER 16/20



EDMA







041255	-	236	123.77



040655

Cleste strans inele BABY GRAFER 30

- *opritor pentru o prindere mai puternica a inelului*
- *compatibil cu: OMEGA 16, 18, 20 si DELTA 18, 22, 30*

BABY GRAFER 30







EDMA

040655	185	242	152.46



042855

Cleste strans inele MASTER GRAFER

- *falci puternice de 6 mm grosime din otel inoxidabil*
- *foarte usor de manevrat datorita manerelor sale arcuite*
- *falca special concepute pentru a fixa perfect plasa de sarma de stalp*
- *compatibil cu inele CL 29*

MASTER GRAFER







EDMA

042855	240	610	380.82

043855

Cleste strans inele “BECA” UNI-CLIP BECA

- *falci puternice de 6 mm grosime din otel inoxidabil*
- *foarte usor de manevrat datorita manerelor sale arcuite*
- *permite utilizarea de inele CL 35 Ø 3,5 mm pe stalpi (de tip "BECA")*
- *compatibil cu inele CL 35*

UNI-CLIP BECA







	mm		
043855	242	590	**331.31**

049855

Cleste pneumatic pentru inele CL 24 TURBO 24

- *pentru lucru foarte rapid*
- *presiune de lucru: 5-8 bar*
- *consumul aer: 6 litri/inel*
- *capacitate magazie: ± 100 inele*
- *compatibil cu inele CL 24*

TURBO 24







	mm		
049855	200 x 385	1483	**11388.20**



046455 NOU

Cleste manual pentru inele CL 50 GABION

- *rapid de utilizat.*
- *incarcare usoara a capselor.*
- *capacitate magazie: +/- 50 CL 50 (45 x 24 x 3 mm) capse.*
- *blocare de securitate.*
- *aplicatii: protectie impotriva eroziunii, ziduri de sprijin, armarea solului, constructia drumurilor, protectia coastelor, inginerie civila etc.*

CL 50







	mm		
046455	200 x 385	5440	**8132.95**

TURBO 50 PREMIUM NOU

Cleste pneumatic pentru inele CL 50 GABION

- *special pentru instalatii cu gabioane.*
- *presiune de lucru 5-7 bar.*
- *capacitate reviste: 120 CL 50 (45 x 24 x 3 mm) capse.*
- *viteza de fixare: 40 de capse pe minut.*
- *sistem de incarcare rapida a capselor.*
- *aplicatii: protectia impotriva eroziunii, ziduri de sprijin, armarea solului, construcția drumurilor, protectia litoralului, inginerie civila, etc.*
- *livrat intr-o carcasa din plastic ergonomica, rezistenta*
- *masina ultra-robustă pentru o utilizare intensiva*
- *protectie pentru magazie inclusa*

TURBO 50 PREMIUM









	mm		
049555	45 x 24 x 3 mm	10150	**28487.38**

047755

Cleste strans inele de tip Concertina

- *actionare compusa pentru o singura mana*
- *pentru inele galvanizate 046601 si inele otel inoxidabil 046701 Concertina (nu sunt incluse)*







	mm		
047755	180	285	**323.11**

Capse OMEGA 16 galvanizate A

- *grosime: Ø 1,3 mm*
- *rezistenta firului: 600 - 800 N/mm²*
- *compatibile cu clestii:*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *040155 TOP GRAFER 16*
  - *040055 JUNIOR*

OMEGA 16





	cantitate		
041501	250	90	**34.43**
041901	1250	450	**73.11**
041601	2500	900	**142.13**

Capse OMEGA 16 invelite in PVC verde

- *grosime: Ø 1,3 mm*
- *rezistenta firului: 900 - 1100 N/mm²*
- *compatibile cu clestii:*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *040155 TOP GRAFER 16*
  - *040055 JUNIOR*

OMEGA 16





	cantitate		
044501	250	70	**46.39**
044201	1250	280	**148.52**
044001	2500	470	**277.05**

Capse OMEGA 16 galvanizate invelite in PVC gri inchis

- *grosime: Ø 1,3 mm*
- *rezistenta firului: 900 - 1100 N/mm²*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *040155 TOP GRAFER 16*
  - *040055 JUNIOR*

OMEGA 16





	cantitate		
040801	250	70	44.92
040901	1250	350	144.75

Capse OMEGA 16 din otel inoxidabil AISI 316

- *grosime: Ø 1,3 mm*
- *rezistenta firului: 600 - 750 N/mm²*
- *compatibile cu clestii:*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *040155 TOP GRAFER 16*
  - *040055 JUNIOR*

OMEGA 16





	cantitate		
044300	1250	380	170.49

Capse OMEGA 18 galvanizate A

- *grosime: Ø 2,0 mm*
- *rezistenta firului: 450 - 550 N/mm².*
- *compatibile cu clestii:*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *040155 TOP GRAFER 18*

OMEGA 18





	cantitate		
900470	1200	800	93.44

Capse OMEGA 18 invelite in PVC verde

- *grosime: Ø 2,0 mm*
- *rezistenta firului: 450 - 600 N/mm².*
- *compatibile cu clestii:*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *040155 TOP GRAFER 18*

OMEGA 18





	cantitate		
EDM-900480	3000	1860	434.75

Capse OMEGA 20 galvanizate A

- *grosime: Ø 2,0mm*
- *rezistenta firului: 450 - 550 N/mm²*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *041155 TOP GRAFER 20/22*
  - *041055 MAJOR*
  - *041455 POWER GRAFER*

OMEGA 20





	cantitate		
042501	200	190	42.46
042001	1000	830	89.18

Capse OMEGA 20 invelite in PVC verde

- *grosime: Ø 2,0mm*
- *rezistenta firului: 450 - 600 N/mm²*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *041155 TOP GRAFER 20/22*
  - *041055 MAJOR*
  - *041455 POWER GRAFER*

OMEGA 20





	cantitate		
043501	200	170	54.75
043001	1000	750	155.25

Capse OMEGA 20 invelite in PVC gri inchis

- *grosime: Ø 2,0mm*
- *rezistenta firului: 450 - 600 N/mm²*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *041155 TOP GRAFER 20/22*
  - *041055 MAJOR*
  - *041455 POWER GRAFER*

OMEGA 20





	cantitate		
042601	200	190	44.26
043201	1000	760	144.75

Capse OMEGA 20 invelite in PVC negru

- *grosime: Ø 2,0mm*
- *rezistenta firului: 450 - 600 N/mm²*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *041155 TOP GRAFER 20/22*
  - *041055 MAJOR*
  - *041455 POWER GRAFER*

OMEGA 20





	cantitate		
047201	1000	730	159.67

Capse OMEGA 20 invelite in PVC alb

- *grosime: Ø 2,0mm*
- *rezistenta firului: 450 - 600 N/mm²*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *041155 TOP GRAFER 20/22*
  - *041055 MAJOR*
  - *041455 POWER GRAFER*

OMEGA 20





	cantitate		
042900	200	170	68.69

Capse OMEGA 20 din aluminiu

- *grosime: Ø 2,0mm*
- *rezistenta firului: 270 N/mm².*
  - *041255 BABY GRAFER 16/20*
  - *040655 BABY GRAFER 30*
  - *041155 TOP GRAFER 20/22*
  - *041055 MAJOR*
  - *041455 POWER GRAFER*

OMEGA 20





	cantitate		
042101	1000	310	166.23







Capse OMEGA 20 din otel inoxidabil AISI 316

- • grosime: Ø 2,0mm
- • rezistenta firului: 550 - 650 N/mm²
- 041255 BABY GRAFER 16/20
- 040655 BABY GRAFER 30
- 041155 TOP GRAFER 20/22
- 041055 MAJOR
- 041455 POWER GRAFER

OMEGA 20



	cantitate		
042301	1000	910	369.51

Capse DELTA 18 din cupru

- • grosime: Ø 1,6 mm
- • rezistenta firului: 850 - 950 N/mm²
- 041255 BABY GRAFER 16/20
- 040655 BABY GRAFER 30

DELTA 18



	cantitate		
900466	3360	1860	166.39

Capse DELTA 22 din otel inoxidabil AISI 316

- • grosime: Ø 2,0 mm
- • rezistenta firului: 550 - 650 N/mm²
- 041255 BABY GRAFER 16/20
- 040655 BABY GRAFER 30
- 041155 BABY GRAFER 20/22
- 041455 POWER GRAFER

DELTA 22



	cantitate		
EDM-900461	1000	920	384.10

Capse DELTA 22 galvanizate A

- • grosime: Ø 2,0 mm
- • rezistenta firului: 450 - 550 N/mm²
- 041255 BABY GRAFER 16/20
- 040655 BABY GRAFER 30
- 041155 BABY GRAFER 20/22
- 041455 POWER GRAFER

DELTA 22



	cantitate		
EDM-900460	1000	930	108.03

Capse DELTA 22 invelite in PVC verde

- • grosime: Ø 2,0 mm
- • rezistenta firului: 450 - 600 N/mm².
- 041255 BABY GRAFER 16/20
- 040655 BABY GRAFER 30
- 041155 BABY GRAFER 20/22
- 041455 POWER GRAFER

DELTA 22



	cantitate		
EDM-900463	1000	760	168.36

Capse DELTA 30 galvanizate A

- • grosime: Ø 2,0 mm
- • rezistenta firului: 450 - 550 N/mm²
- 040655 BABY GRAFER 30
- 040555 TOP GRAFER 30

DELTA 30



	cantitate		
047101	500	580	74.10
046500	2500	2970	291.31

Capse CL 29 galvanizate A

- • grosime: Ø 2,9 mm
- • rezistenta firului: 450 - 550 N/mm²
- 042855 MASTER GRAFER

CL 29



	cantitate		
046901	100	250	57.54
047400	1000	2300	560.49

Capse CL 29 din otel inoxidabil AISI 316

- • grosime: Ø 2,9 mm
- • rezistenta firului: 650 - 800 N/mm²
- 042855 MASTER GRAFER

CL 29



	cantitate		
046801	100	250	75.41
146800	500	1300	406.23
047300	1000	2480	730.66

Capse CL 35 din otel inoxidabil AISI 316

- • grosime: Ø 3,5 mm
- • rezistenta firului: Wire resistance: 719 N/mm².
- 043855 UNI-CLIP BECA

CL 35



	cantitate		
043700	500	1570	649.84

Capse CL 40 aluzinc

- • grosime: Ø 4,0 mm
- • rezistenta firului: Wire resistance: 450 - 600 N/mm².
- 043855 UNI-CLIP BECA

CL 40



	cantitate		
140001	1000	4950	421.15

Inel pentru CONCERTINA

- • vrac
- • tratament prin galvanizare



	cantitate		
046601	1000	3200	228.52

Capse CL 24 galvanizate

- • grosime: Ø 1,8 mm
- • rezistenta firului: Wire resistance: 650 - 750 N/mm².
- 049855 TURBO 24

CL 24



	cantitate		
190000	10000	4950	574.10

Capse CL 50 aluzinc inalta rezistenta la tractiune

- • grosime: Ø 1,8 mm
- • rezistenta firului: 1750 - 1950 N/mm².
- • fabricat din 95% zinc + 5% aluminiu

CL 50





	cantitate		
150000	1600	6940	818.85

Capse CL 50 din otel inoxidabil AISI 304

- • grosime: Ø 1,8 mm
- • rezistenta firului: 1500 - 1700 N/mm²
- • fabricat din otel inoxidabil AISI 304

CL 50





	cantitate		
160000	1600	6900	1730.16

232155

Capse pentru ciocan de capsat 10 mm - 1000 bucati

- *capse galvanizate*
- *inaltime: 10 mm*



	mm		
232155	10	63	36.56

232055

Capse pentru ciocan de capsat 12 mm - 1000 bucati

- *capse galvanizate*
- *inaltime: 12 mm*



	mm		
232055	12	63	37.70

232255

Capse pentru ciocan de capsat 8 mm - 1000 bucati

- *capse galvanizate*
- *inaltime: 8 mm*



	mm		
232255	8	63	35.08

Capse

- *galvanizate*



	mm	buc		
031955	10	5000	635	111.15
231955	14	1000	191	39.18

EDMATYER NOU

Masina de legat cu acumulator fier-beton pana la 24 mm

- *usoare si compacte.*
- *permite legarea rapidă, eficienta si fara efort a barelor de armare.*
- *reglarea automată a puterii de legare in functie de dimensiunile barelor de armare de legat.*
- *pentru a fi utilizat cu bobine de sarma de 100 m, adica aproximativ 280 de legaturi/bobina*
- *capacitate de legaturi: ø 12 pana la 24 mm.*

Set de livrare:

- *1 bobina de sarma 100 m*
- *2 baterii 14,4 V - 2 Ah*
- *1 incarcator dublu*
- *1 cleste de taiere*
- *1 cheie hexagonala*
- *1 cutie de transport*



EDMATYER



	mm		
367655	24	3780	8641.97

TORNADO NOU

Dispozitiv automat de infasurat cablu

- *ideal pentru fixarea barelor de armare sau aplicatii pentru garduri.*
- *maner moale*

TORNADO





	mm		
045555		330	196.56

EDMATYER XL NOU

Masina de legat cu acumulator fier-beton pana la 40 mm

- *usoare si compacte.*
- *permite legarea rapidă, eficienta si fara efort a barelor de armare.*
- *reglarea automată a puterii de legare in functie de dimensiunile barelor de armare de legat.*
- *pentru a fi utilizat cu bobine de sarma de 100 m, adica aproximativ 145 de legaturi/bobina*
- *capacitate de legaturi: ø 26 pana la 40 mm.*

Set de livrare:

- *1 bobina de sarma 100 m*
- *2 baterii 14,4 V - 2 Ah*
- *1 incarcator dublu*
- *1 cleste de taiere*
- *1 cheie hexagonala*
- *1 cutie de transport*



EDMATYER



	mm		
367755	40	3740	9199.51

NOU

Sarma de lagat zincata in bobina Ø 1 mm x 120 mm - x 1000 buc

- *permite fixarea elementelor intre ele*
- *de utilizat cu un liant automat.*
- *pentru diferite tipuri de prindere: bare de armare, garduri, saci de pietris*
- *cantitate aproximativa pe bobina*



	cantitate		
960452	1000	1220	**97.05**

NOU

Sarma de lagat recoapta in bobina Ø1,1 mm

- *permite fixarea elementelor intre ele.*
- *de utilizat cu un dispozitiv automat.*
- *pentru diferite tipuri de prindere: bare de armare, garduri, saci de pietriș.*
- *cantitate aproximativa pe bobina*



	Ø	l	cantitate		
960457	1,1	100	1000	1320	**84.59**
960449	1,1	120	1000	1360	**91.97**
961449	1,1	120	2500	3800	**195.41**
960453	1,1	120	5000	6000	**437.70**
961480	1,1	140	1000	1600	**118.85**
961459	1,1	140	2500	3900	**210.33**
960459	1,1	140	5000	6900	**499.02**
960458	1,1	160	1000	1700	**109.51**
962458	1,1	160	2500	4250	**225.25**
963453	1,1	180	1000	1800	**119.67**
962449	1,1	200	1000	1560	**128.36**

032855

Subler de pozitionare scanduri

- *usor de folosit.*
- *model din aluminiu.*
- *cu scara de la 15 la 40 mm*



	mm		
032855	15 - 40	230	**222.46**

262055

NOU

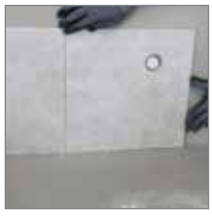
Sablon contur multi-unghiular

- *cu sabloane de trasare Ø 25, 40, 45, 55 si 75 mm.*
- *permite transferul rapid si urmarirea locatiei unei gauri inainte de gaurire.*
- *echipat cu 6 segmente culisante de 175 mm din aluminiu, gradate in cm si inch.*
- *localizator de 108 x 108 mm, inclusiv 5 sabloane de diferite diametre.*
- *pliabil si usor de reglat datorita butoanelor sale in forma de cruce pentru a se adapta la diverse unghiuri si forme.*













	mm		
262055	175	209	**157.05**

DUPLIC FORM

NOU

Sablon profil 250 mm

- *pentru copierea profilelor de taiat*
- *pentru tevi de instalatii sanitare, precum si mulaje si asa mai departe.*
- *latime: 250 mm.*
- *adancime: 45 mm*

DUPLIC FORM







	mm		
088255	250 x 45	450	**169.51**

040755

NOU

Cleste intinzator de sarma pentru plase si plase sudate

- *pentru plase si plase sudate.*
- *garantia unei instalari perfecte prin asigurarea rigiditatii pe gard.*
- *rigidizare eficienta prin ciupirea succesiva a firelor orizontale.*
- *creeaza garduri uniforme*







	mm		
040755	180	360	**129.02**

SCSRC1 EV

Dispozitiv de taiere tigle metal acoperite cu piatra

- *acest dispoziti de taiere efectueaza taieturi rapide, sigure si precise in tigla de otel acoperită cu piatra, inclusiv marcile DECRA, METRO si GERARD, pe tot parcursul sezonului*
- *parghia compusa si lungimea generoasa a manerului a taietorului SCSRC1 reduce forta de taiere a utilizatorului cu pana la 30% fata de ghilotine care reprezinta o provocare chiar si pentru cei mai experimentati profesionisti*
- *tigla este taiata dintr-o singura mișcare usoara si constanta*
- *actiunea de forfecare are un efect de „stergere" asupra stratului de zinc al tiglei care etanseaza marginea taiata pentru a rezista la rugin*
- *un cutit si o matrita din otel calit ofera muchii de taiere reversibile pentru o durată de viata de doua ori mai mare, inainte de ascutire*
- *si lama si matrita sunt, de asemenea, usor de inlocuit*
- *cu stiftul de blocare a lamei in pozitie, acest taietor portabil este sigur de transportat si se instaleaza practic oriunde pe santier*
- *cadrul robust cu doua tuburi pentru picioare de lungimi diferite ofera utilizatorului dous optiuni de inaltime a mesei de lucru*
- *suprafata mare a mesei permite controlul sigur si previne deteriorarea piesei de prelucrat*
- *designul mesei permite, de asemenea, taieturi in unghi lung*







	mm		
SCSRC1 EV	540 - 743	32000	**14677.52**

C5R EV

Cleste de gofrat cu 5 lame

• C5R creeaza gofrari duble lungi si putin adanci
• aceste gofrari mai lungi si mai putin adanci au ca rezultat o potrivire mai stransă, o conexiune mai autonoma si rezistenta la scurgeri.
• fabricat cu placare cu nichel pentru a ajuta la rezistenta la coroziune si otel calit pentru o rezistenta mai mare in conditii grele
• dispune de mâner RedLine ergonomic si confortabil; aceste manere ofera contururi de prindere anti-alunecare, actionare cu arc si un dispozitiv de blocare a manerului actionat cu degetul mare. Deschiderea manerului proiectata a instrumentului completeaza puterea naturala a mainii oricarui utilizator.
• reduceti rapid capetele conductei rotunde si ale tevii de evacuare a fumului.
• creeaza o fixare stransa, mai multa conexiune cu sertizare autoportabila







	mm	L		
C5R EV	41.3	244	482	516.25

HC1 EV

Dispozitiv reglabil de taiere circulara pentru tabla 51-305 mm

• dispozitivul de taiere a gaurilor pentru tabla de la Malco se instaleaza rapid in mandrina oricarei masini de gaurit cu fir sau cu acumulatori de 1/4 inch (6,35 mm)
• freza de taiat, rulmentii foarte durabili si pinul pivot formeaza cea mai durabila, cea mai rapida taiere precum si cea mai usoara solutie de reglare pentru taierea gaurilor in tabla
• un cadru usor din aluminiu face ca aceste accesorii sa fie extrem de portabile pentru o varietate de aplicatii de taiere a gaurilor in tabla, care include otel galvanizat de calibrul 20 (1,02 mm)
• un model compact de taiere a gaurilor HC1 este reglabil pentru a face gauri cu diametrul de 2 pana la 12 inchi (51 pana la 305 mm)







	mm		
HC1 EV	51-305	454	993.69

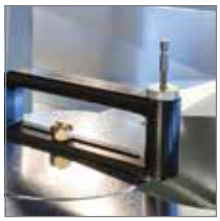
CB

Freza dispozitiv reglabil de taiere circulara pentru tabla HC1 EV

• material: HSS







	mm		
CB	-	-	168.05

HP18KR EV

Perforator pentru tabla 3,2-4,8 mm

• pentru a face gauri de-a lungul marginii tablei si vinilului, inclusiv gauri de fixare pentru nituri sau suruburi in conductele metalice si extrudarea ferestrelor din vinil, sau gauri pentru inele C pentru atasarea semnelor sau barelor de protectie la garduri sau magazii pentru echipamente
• scula este furnizata cu un poanson si matrita de 1/8 inch (3,2 mm), preinstalate pe unealta, precum si un ansamblu perforator si matrita de 3/16 inch (4,8 mm)
• ansamblurile poanson si matrite sunt de asemenea disponibile separat, inclusiv ansambluri poanson si matrite de 3,6, 4,1 și 6,3 mm
• poansonele si matritele din otel pentru scule pot fi schimbate sau inlocuite la locul de munca
• un limitator permite reglarea adancimii gatului sculei de la 1/4 la 1-1/8 inch (6,4 la 28,6 mm) pentru o plasare usoara a gaurilor
• corpul sculei este alcătuit dintr-un cap de cadru „C" din aluminiu turnat sub presiune si manere din otel calit si piese stantate cu o placare cu nichel rezistenta la rugina pentru a asigura o durata lunga de viata
• Malco HP18KR Hole Punch dispune si de tehnologia ergonomica RedLine Handle. Deschiderea manerului proiectata completeaza puterea naturala a mainii oricarui utilizator si maximizeaza avantajul mecanic puternic 8:1 al legaturii cap la maner cu parghie compusa. Contururile confortabile ale manerului, o insertie anti-alunecare, actionarea manerului cu arc si zavorul manerului actionat cu degetul mare asigura o potrivire si o senzatie naturala pentru o operare confortabila cu o singura mana oriunde la locul de munca







	mm	L		
HP18KR EV	3,2-4,8	229	454	1363.43

MB48B EV

Dispozitiv de indoit tabla 1,2 m

• dispozitiv de indoit tabla MB48B „Pan Style" este proiectat pentru a fabrica tavi de picurare si cutii de contoare, precum si colturi complexe
• cu putin sub 45 kg poate fi transportat confortabil de doua persoane sau separat rapid in componente de nicovala si masa pentru transportul unei singura persoana
• MB48B functioneaza pe un banc de lucru, hayon sau picioare optionale pentru a produce coturi de 135° din otel galvanizat de calibrul 22 (0,86 mm) la o latime de maxim 1,2 m
• un sort de masa din tabla de otel de 7,9 mm si un cadru de nicovala, cu deplasare reglabila si nervuri de intarire, asigura o indoire uniforma
• clemele cu cama peste centru mentin nicovala in siguranta in orice pozitie pentru o functionare in siguranta
• pentru a face tavi si cutii, nicovala este compusa din 16 segmente mobile din otel: cinci de 2 inchi (50,8 mm); sase 3 inchi (76,2 mm); si cinci segmante de 4 inchi (101,6 mm) pentru a crea o latime de indoire de maxim 48 inchi (1,2 m)
• latimea minima de indoire este limitata la latimea segmentelor de 50,8 mm
• distanta nicovala permite o gama de dimensiuni de inaltime a flansei de la 1/2 la 3 inchi (12,7-76,2 mm)













	mm	unghi		
MB48B EV	1200	0-135°	44900	12532.72

MBL

Suport dispozitiv de indoit tabla

• material: HSS



	mm		
MBL	-	-	1493.03

N1R EV

Stantator manual in V maxim 20,6 mm

• stantatorul manual N1R realizeaza o taietura curata de 30° in forma de „V" in otel galvanizat de calibrul 24 (0,71 mm)
• adancimea maxima a stantare este de 13/16 inchi (20,6 mm)
• falca de taiere superioara este din otel aliat forjat
• designul cu carlig al falcilor de taiere faciliteaza crestarea colturilor sau scoaterea urechilor la adancimea dorita, fara alunecare
• falcile de taiere cu rezistenta îndelungata si componentele din otel calit placat de nichel rezistenta la rugina
• dispune si de tehnologia ergonomics RedLine Handle. Deschiderea manerului completeaza puterea naturala a mainii oricarui utilizator si maximizează avantajul mecanic puternic 7:1 al legaturii cap maner cu parghie compusa. contururile confortabile ale manerului, o insertie anti-alunecare, actionarea manerului cu arc si zavorul manerului actionat cu degetul mare asigură o potrivire si o senzatie naturala pentru o operare confortabila cu o singura mana oriunde la locul de munca



	mm		
N1R EV	20,6	454	**757.38**

S2R

Cleste de faltuit 76,2 mm

• clestii de faltuit Malco, cu falci din otel forjat, sunt alegerea principala pentru indoirea, plierea, aplatizarea si indreptarea marginilor tablei sau pentru prinderea si mutarea in siguranta a tablei pe santier
• falcile forjate prezinta marcaje de adancime gradate in trepte de 1/4 inch (6,4 mm) si sunt completate de un design puternic de parghie compusa
• indoiti cu usurinta flansele sau aplatizati complet cusaturile de la 1/4 la 1-1/4 inch (6,4-31,8 mm) adancime in otel galvanizat de calibrul 24 (0,71 mm) sau (0,61 mm) moale.
• dispune si de tehnologia ergonomics RedLine Handle. Deschiderea manerului completeaza puterea naturala a mainii oricarui utilizator si maximizează avantajul mecanic puternic 7:1 al legaturii cap maner cu parghie compusa. contururile confortabile ale manerului, o insertie anti-alunecare, actionarea manerului cu arc si zavorul manerului actionat cu degetul mare asigură o potrivire si o senzatie naturala pentru o operare confortabila cu o singura mana oriunde la locul de munca



	mm		
S2R	76.2	454	**753.64**

S9R

Cleste de faltuit 230 mm

• clestii de faltuit Malco, cu falci din otel forjat, sunt alegerea principala pentru indoirea, plierea, aplatizarea si indreptarea marginilor tablei sau pentru prinderea si mutarea in siguranta a tablei pe santier
• falcile forjate prezinta marcaje de adancime gradate in trepte de 1/4 inch (6,4 mm) si sunt completate de un design puternic de parghie compusa
• indoiti cu usurinta flansele sau aplatizati complet cusaturile de la 1/4 la 2 inch (50,8 mm) adancime in otel galvanizat de calibrul 24 (0,71 mm) sau (0,61 mm) moale.
• dispune si de tehnologia ergonomics RedLine Handle. Deschiderea manerului completeaza puterea naturala a mainii oricarui utilizator si maximizează avantajul mecanic puternic 7:1 al legaturii cap maner cu parghie compusa. contururile confortabile ale manerului, o insertie anti-alunecare, actionarea manerului cu arc si zavorul manerului actionat cu degetul mare asigură o potrivire si o senzatie naturala pentru o operare confortabila cu o singura mana oriunde la locul de munca



	mm		
S9R	25,4	454	**897.34**

N2R EV

Stantator manual in V maxim 25,4 mm

• stantatorul manual N1R realizeaza o taietura curata de 30° in forma de „V" in otel galvanizat de calibrul 24 (0,71 mm)
• adancimea maxima a stantare este de 1 inchi (25,4 mm)
• falca de taiere superioara este din otel aliat forjat
• designul cu carlig al falcilor de taiere faciliteaza crestarea colturilor sau scoaterea urechilor la adancimea dorita, fara alunecare
• falcile de taiere cu rezistenta îndelungata si componentele din otel calit placat de nichel rezistenta la rugina
• dispune si de tehnologia ergonomics RedLine Handle. Deschiderea manerului completeaza puterea naturala a mainii oricarui utilizator si maximizează avantajul mecanic puternic 7:1 al legaturii cap maner cu parghie compusa. contururile confortabile ale manerului, o insertie anti-alunecare, actionarea manerului cu arc si zavorul manerului actionat cu degetul mare asigură o potrivire si o senzatie naturala pentru o operare confortabila cu o singura mana oriunde la locul de munca



	mm		
N2R EV	25,4	482	**799.38**

S6R EV

Cleste de faltuit 150 mm

• clestii de faltuit Malco, cu falci din otel forjat, sunt alegerea principala pentru indoirea, plierea, aplatizarea si indreptarea marginilor tablei sau pentru prinderea si mutarea in siguranta a tablei pe santier
• falcile forjate prezinta marcaje de adancime gradate in trepte de 1/4 inch (6,4 mm) si sunt completate de un design puternic de parghie compusa
• indoiti cu usurinta flansele sau aplatizati complet cusaturile de la 1/4 la 1-1/4 inch (6,4-31,8 mm) adancime in otel galvanizat de calibrul 24 (0,71 mm) sau (0,61 mm) moale.
• dispune si de tehnologia ergonomics RedLine Handle. Deschiderea manerului completeaza puterea naturala a mainii oricarui utilizator si maximizează avantajul mecanic puternic 7:1 al legaturii cap maner cu parghie compusa. contururile confortabile ale manerului, o insertie anti-alunecare, actionarea manerului cu arc si zavorul manerului actionat cu degetul mare asigură o potrivire si o senzatie naturala pentru o operare confortabila cu o singura mana oriunde la locul de munca



	mm			
S6R EV	150	830	454	**1072.62**





SCULE PENTRU LEMN

FIRST

Infiintata in anii ’60, FIRST a fost intodeauna o referinta constanta in Italia si in alte tari, pentru toti consumatorii care cauta scule fiabile si de inalta calitate. O preferinta obtinuta prin imbinarea experientei artizanale cu utilizarea celei mai moderne tehnologii industriale.

FANTACCI

Fantacci Industrie SRL este producator de scule pentru prelucrarea lemnului cu renume mondial. In portofoliul acestuia se regasesc atat scule standard, cat si scule speciale, freze placate CMS, dar si cu placute amovibile.

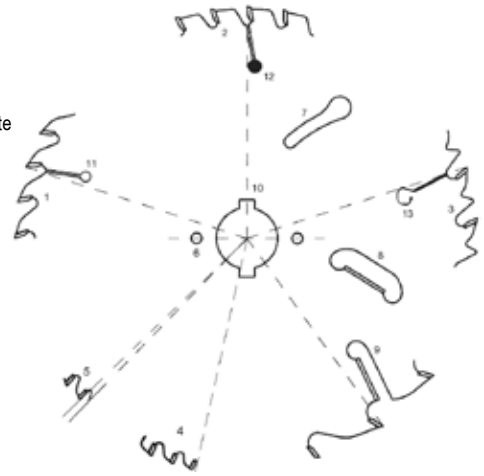
FREUD

Infiintata in 1962 in zona productiei de mobilier din nord-estul Italiei. Pozitia strategica a asigurat intotdeauna o apropiere de utilizatorii finali, permitand firmei Freud nu numai sa testeze noile inovatii in aplicatiile uzuale, ci si sa lucreze direct cu universitatile si fabricile de mobila pentru viitoarele solutii in industria lemnului.

FIRST freud FANTACCI 1960 DIAFANT 2002 BOC BOHRCRAFT TIVOLY Vilana Tivoli

Panze circulare

1 Forma normala de dinte, inclinatie pozitiva (fata de degajare)
2 Forma dintelui cu ceafa, inclinatie pozitiva si gol rotund de dinte
3 Dinte cu limitarea grosimii de aschiere
4 Dinte cu inclinatie negativa (fata de degajare)
5 Dinte cu inclinatie 0° (fata de degajare)
6 Goluri pentru sistemul de franare
7 Element racire
8 Dinte geluitor intern
9 Dinte geluitor de periferie
10 Locas pana
11 Locas de dilatare
12 Locas de dilatare cu pastila de Cu
13 Locas de dilatare



Viteze de taiere recomandate (in m/s) pentru diferite materiale, cu panze circulare cu dinti placati CMS

Material	Tip	m/s
Lemn moale	Brad, molid, plop	60 – 100
Lemn tare	Fag, stejar, salcam, specii exotice	60 – 100
Lemn furniruit	Multiplex	50 – 80
Panouri compozite (pentru mobila)	ST/STAE; lemn stratificat	50 – 90
Panouri din fibre de lemn dure	HDF	50 – 80
Panouri din fibre de lemn de densitate scazuta	MDF	60 – 80
Panouri aschii lemn	PAL	60 – 80
Panouri din particule din lemn acoperite cu PVC	KF	60 – 80
Panouri gips-carton	Carton	40 – 65
Panouri pentru constructii	Cu lianti - ciment	40 – 60
Plastic dur	Duromère	15 – 50
Plastic suplu	Plastomère	30 – 70
Panouri placate	Lemn stratificat, melaminat, texturat	50 – 70
Panouri cu suprafete minelare (vata de sticla/vata minerala)	Rockwool	2 – 8

Determinarea diametrului optim al panzei circulare in functie de turatia motorului si a vitezei de taiere optime

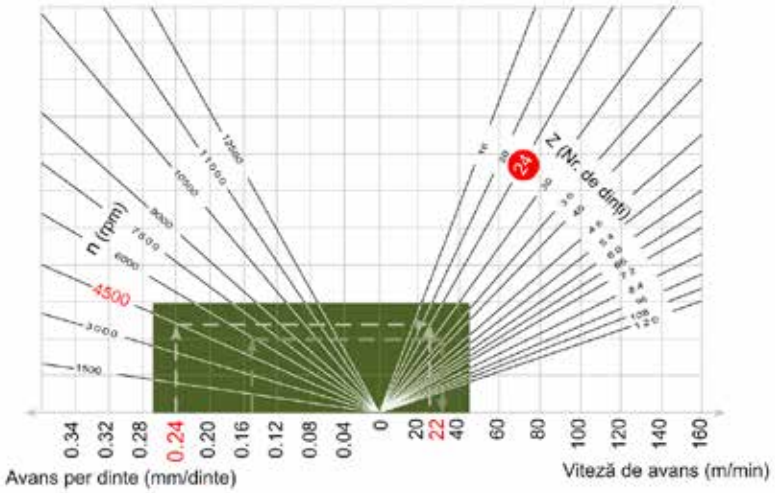
D/n	100	120	140	160	180	200	250	300	350	400	450	500	600 mm
1500	8	9	11	13	14	16	20	24	27	31	35	39	47
2000	10	13	15	17	19	21	26	31	37	42	47	52	63
2500	13	16	18	21	24	26	33	39	46	52	59	65	79
3000	16	19	22	25	28	31	39	47	55	63	71	79	94
4000	21	25	29	33	38	42	52	63	73	84	94	105	126
4500	24	28	33	38	42	47	59	71	82	94	106	118	
5000	26	31	37	42	47	52	65	79	92	105	118		
6000	31	38	44	50	57	63	79	94	110	126			
8000	42	50	59	67	75	84	105	126	147				
9000	47	57	66	75	85	94	118						
10000	52	63	73	75	94	105							
12000 rpm	63	75	88	100	113	126							

Viteza de taiere in m/s.

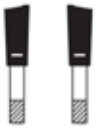
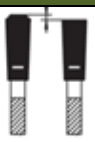
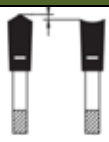
Exemplu: la turatia de 5.000 rpm cu viteza de taiere 79 m/s rezulta o panza cu diametrul de 300 mm

Determinarea numarului de dinti taietori ai panzei in functie de avansul pe dinte, turatie si viteza de avans

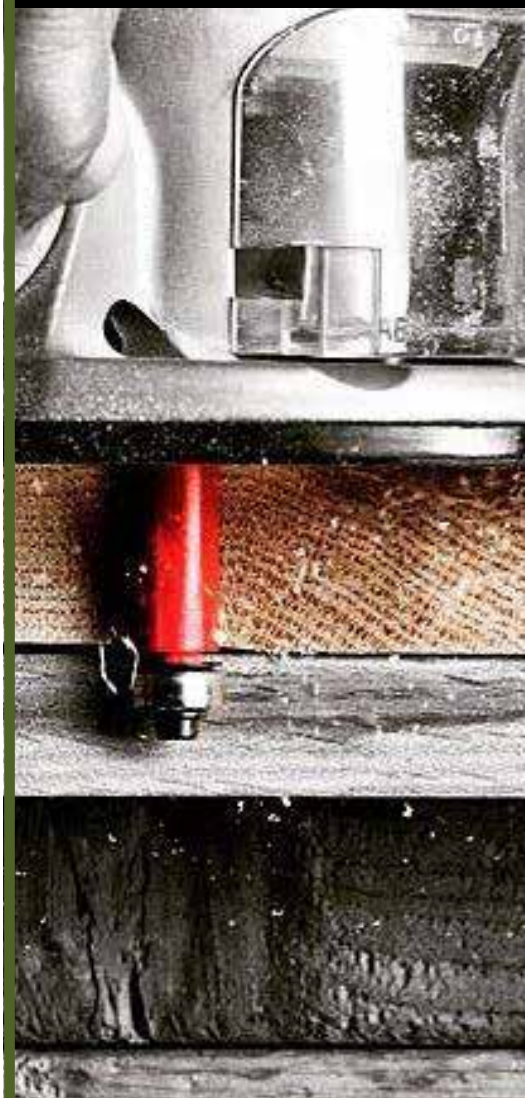
ATENTIE: la aceelasi diametru al panzei circulare numarul mic de dinti se utilizeaza pentru taierea in lungul fibrei lemnului (spintecare, tivire) iar numarul mai mare de dinti taietori pentru taiere transversal pe fibre (taierea la lungime, retezare)



Modalitati de ascutire a fetei de asezare la dintii taietori ai panzelor circulare placate CMS

Ascutire dreapta	Ascutire alternativa pentru taieri normale	Ascutire trapez drept	Ascutire alternativa pentru taieri fine	Ascutire trapez concav	Ascutire conica
					
P	BA	TPP	BAC	GC	C

Panze circula monometalice 833
Panze circulare multilama 834
Panze circulare placate pentru lemn 835
Incizoare 838
Panze circulare placate pentru neferoase 839
Burghie pentru lemn 840
Freze din carbura pentru lemn 840
Burghie precizie pentru lemn 842
Freze cu coada 844
Freze cu alezaj 867
Cutite abric 870
Scule manuale pentru tamplarie 871
Bancuri tamplarie 873



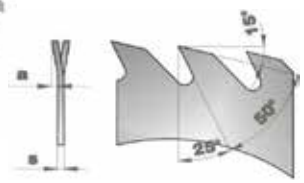
5310 - 56KV25°

Panze circulare monometalice (neplacate) pentru lemn

- *panze circulare monometalice (neplacate) cu dinti tip "de lup"*
- *unghi de atac pozitiv 25°*
- *recomandate la taierea transversala si longitudinala a lemnului de esenta moale sau tare*
- *valoarea maximă admisa a ceaprazului este de 1/3 din grosimea corpului panzei pe fiecare parte*



cel mai popular pentru taierea lemnului de foc la utilizare casnica si este, de asemenea, lama universala pentru taiere longitudinala (inaltimea mai mica a lemnului) sau transversala (limitata doar de diametrul lamei)



PILANA

	D	B	d	Z	á		
2253102001225	200	1.2	25	56	25°	760 O	65.08
2253102001625	200	1.6	25	56	25°	780 O	77.21
2253102501625	250	1.6	25	56	25°	810 O	114.75
2253102501825	250	1.8	25	56	25°	820 O	159.67
5100250 1220255600	250	2.2	25	56	25°	840	175.74
2253103001630	300	1.6	30	56	25°	880 O	166.39
5100300 1180305600	300	1.8	30	56	25°	900	189.34
5100300 1240305600	300	2.4	30	56	25°	1220	233.61
5100350 1180305601	350	1.8	30	56	25°	1250	220.16
5100400 1200305600	400	2.0	30	56	25°	1850	296.23
5100400 13003056000	400	3.0	30	56	25°	1930 O	436.07
5100450 1200305600	450	2.0	30	56	25°	2290	391.31
5100450 1220305600	450	2.2	30	56	25°	2550	392.13
2253104503530	450	3.5	30	56	25°	2770 O	569.18
5100500 1220305600	500	2.2	30	56	25°	3110	487.70
5100500 1250305600	500	2.5	30	56	25°	3540	507.87
2253105502530	550	2.5	30	56	25°	4200 O	669.84
2253105503530	550	3.5	30	56	25°	4400 O	939.18
2253107003535	700	3.5	35	56	25°	4350 O	1390.82
5100700 1400355600	700	4.0	35	56	25°	4450 O	1543.93
5100800 1450405600	800	4.5	40	56	25°	5100 O	2398.69

Material panze fierastrau circular

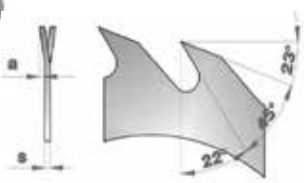
Panzele de fierastrau circular pentru taierea lemnului sunt fabricate din otel carbon pentru scule 75Cr1 (DIN 1.2003).
Panzele de fierastrau cu grosimea de pana la 3 mm sunt intarite la 44-48 HRc si panzele de fierastrau cu grosimea de 3 mm la 42-46 HRc.
Panzele de fierastrau sunt livrate indreptate si tensionate, cu dantura ceaprazuita si ascutita.
Turatia maxima indicata pe fiecare panza circulara corespunde unei viteze periferice de 60 m / s pentru grosimea inferioara a corpului si 80 m/s pentru grosimea mai mare a corpului.
Valoarea ceaprazului dintilor in mm nu trebuie sa depaseasca o treime din grosimea corpului panzei.
(Exemplu: Panza de fierastrau 600 x 4,0 x 30 (4,0: 3 = 1,333 mm) >> suprapunere ceapraz = 1,33 mm, scara totala = 6,66 mm (grosime + 2 × valoarea ceaprazului)
Utilizati urmatoarea formula pentru a calcula diametrul optim al flansei de prindere: 5x Diametrul fierastraului poate fi utilizat pentru calcularea diametrul optim al flansei.
Exemplu de specificatie standard: 56KV25 (56 = numarul de dinti;
KV = profilul dintilor - dinte de lup; 25 = unghi de carlig de 25°)

5311 - 36KV36°

Panze circulare monometalice (neplacate) pentru lemn

- *panze circulare monometalice (neplacate) cu dinti tip "de lup"*
- *unghi de atac pozitiv 36°*
- *recomandate la spintecarea lemnului de esenta moale sau tare*
- *pot fi utilizate la fierăstrăul circular multiplu de spintecat*
- *valoarea maxima admisa a ceaprazului este de 1/3 din grosimea corpului panzei pe fiecare parte*





PILANA

	D	B	d	Z	á		
5110300 1200303600	300	2.0	30	36	36°	1270	201.15
5110300 1240303600	300	2.4	30	36	36°	1470	233.61
5110300 1300303600	300	3.0	30	36	36°	1550	286.72
5110350 1280303600	350	2.8	30	36	36°	2000	333.11
2253113503030	350	3.0	30	36	36°	2100 O	356.56
2253113503530	350	3.5	30	36	36°	2250 O	393.93
2253114003030	400	3.0	30	36	36°	2800 O	436.07
2253114003530	400	3.5	30	36	36°	2950 O	471.97
2253114502830	450	2.8	30	36	36°	3600 O	492.13
2253114503530	450	3.5	30	36	36°	3850 O	569.18
5110500 1350303600	500	3.5	30	36	36°	5150	717.54
5110550 1300303600	550	3.0	30	36	36°	5350	752.30
2253116003530	600	3.5	30	36	36°	5950 O	1022.13
2253116004030	600	4.0	30	36	36°	6250 O	1128.03
2253117004035	700	4.0	35	36	36°	6500 O	1543.93

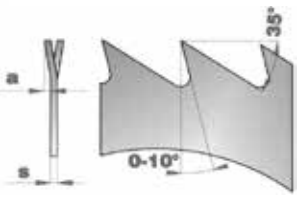
5314 - NV

Panze circulare monometalice (neplacate) pentru lemn

- *panze circulare monometalice (neplacate) cu dinti triunghiulari*
- *unghi de atac pozitiv 0 - 10°.*
- *recomandate la taierea longitudinala si transversala a lemnului subtire si a materialelor plastice*
- *valoarea maxima admisa a ceaprazului este de 1/3 din grosimea corpului panzei pe fiecare parte*



pentru grosimi mici de lemn, plastic etc., se folosesc mai ales pentru masini electrice



PILANA

	D	B	d	Z	á		
5140160 1100169000	160	1.0	16	90	0°	320	56.39
5140160 1100209000	160	1.0	20	90	0°	320	56.39
5140175 2100161000	175	1.4	16	100	0°	350	87.28
5140185 2140201000	185	1.4	20	100	0°	370	96.40
5140190 2140301000	190	1.4	30	100	0°	395	98.58
5140200 1180251000	200	1.8	25	100	8°	420	124.75
5140250 1180251200	250	1.8	25	120	8°	600	170.00
5140350 1180301400	350	1.8	30	140	10°	1300	200.16

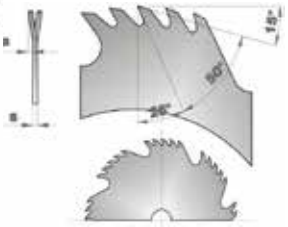
5333 - 40KV25H

Panze circulare monometalice (neplacate) pentru spintecat tip HANIBAL cu dinti dispusi in grupuri 5333

- *panze circulare monometalice (neplacate) pentru spintecat tip HANIBAL cu dinti dispusi in grupuri*
- *unghi de atac pozitiv 25°*
- *recomandate la spintecarea lemnului de esenta moale sau tare, spintecare busteni*
- *valoarea maxima admisa a ceaprazului este de 1/3 din grosimea corpului panzei pe fiecare parte.*
- *recomandat a fi utilizate numai cu avans mecanic.*

numai pentru taiere longitudinala si cu alimentare mecanica a materialului (alimentarea manuala a materialului este interzisa pentru 5333)





PILANA

	D	B	d	Z	á		
2253335003030	500	3.0	30	8 x 5	25°	4712	369.18
2253335003530	500	3.5	30	8 x 5	25°	5498	717.54
2253335503030	550	3.0	30	8 x 5	25°	5702	752.30
2253336003530	600	3.5	30	8 x 5	25°	7917	1022.13
2253337004035	700	4.0	35	8 x 5	25°	12315	1543.93

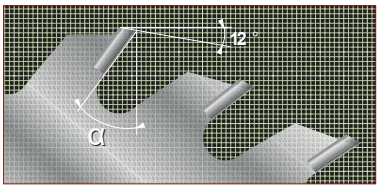
MIZAR

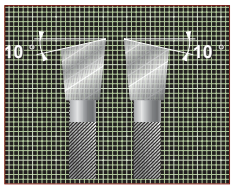
Panza circulara placata CMS pentru taieri multiple in lung de fibra a lemnului

- *pentru debitarea in lungul fibrei a lemnului masiv de esenta moale si tare*
- *utilizare pe utilaje cu panza unica, dubla si multipla*
- *ascutire alternativa cu 2 geluitori periferici din carbura metalica si 2 geluitori interni*
- *dimensiunile cu alezaj de 70 mm sunt prevazute cu 2 canale de pana*

FIRST









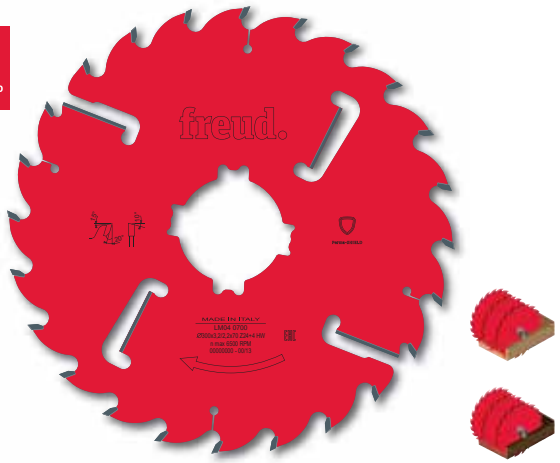
	D	B/b	Z+R	α	d	P/t	
LC4R2502005	250	3.2/2.2	20+4	20°	70	40	488.28
LC4R3002408	300	3.2/2.2	24+4	20°	70	60	551.06
F3003224430	300	3.2/2.2	24+4	20°	30	60	551.06
LC4R3502418	350	3.5/2.5	24+4	20°	70	90	641.73
F3503524430	350	3.5/2.5	24+4	20°	30	90	641.73
LC4R3502403	350	4.2/2.8	24+4	20°	70	90	823.10
F3504224430	350	4.2/2.8	24+4	20°	30	90	823.10
LC4R3802405	380	4.2/2.8	24+4	20°	70	110	948.66
F3804024430	380	4.2/2.8	24+4	20°	30	110	948.66
LC4R4002410	400	4.2/2.8	24+4	20°	70	120	962.61
F4004224430A	400	4.2/2.8	24+4	20°	30	120	962.61
F4504224430	450	4.2/2.8	24+4	20°	30	130	1464.84
F4504224470A	450	4.2/2.8	24+4	20°	70	130	1464.84

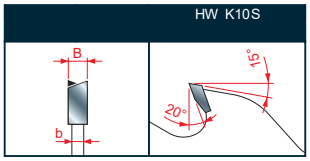
LM04

Panza circulara placata CMS cu dinti geluitori pentru taieri multiple in lung de fibra a lemnului

- *pentru debitarea in lungul fibrei a lemnului masiv de esenta moale si tare*
- *umiditate lemn 15%*
- *utilizare pe utilaje cu panza unica, dubla si multipla*
- *ascutire alternativa 10°*

Perma-SHIELD Coating





freud.

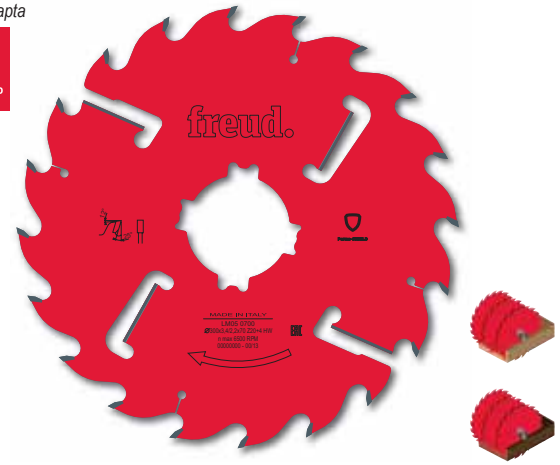
	D	B/b	Z	α	d	
LM04 0300	250	3,2/2,2	20 + 2 + 2	20°	70	509.51
LM04 0700	300	3,2/2,2	24 + 2 + 2	20°	70	594.43
LM04 0500	300	3,2/2,2	24 + 2 + 2	20°	30	594.43
LM04 2400	350	3,5/2,5	24 + 2 + 2	20°	70	815.90
LM04 1100	350	3,5/2,5	28 + 2 + 4	20°	30	843.11

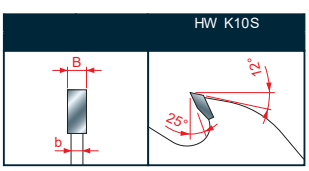
LM05

Panza circulara placata CMS cu dinti geluitori pentru taieri multiple in lung de fibra a lemnului

- *pentru debitarea in lungul fibrei a lemnului masiv de esenta moale, tare si extradur*
- *recomandat in special pentru fabrici de cherestea pentru taierea lemnului cu o rata a umiditatii de peste 10%*
- *utilizare pe utilaje cu panza unica, dubla si multipla*
- *ascutire dreapta*

Perma-SHIELD Coating





freud.

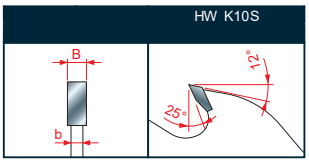
	D	B/b	Z	α	d	
LM05 1600	380	4,0/2,8	20 + 2 + 4	25°	30	925.08
LM05 1700	380	4,0/2,8	20 + 2 + 4	25°	70	925.08
LM05 1900	400	4,0/2,8	24 + 2 + 4	25°	30	970.49
LM05 2100	400	4,0/2,8	24 + 2 + 4	25°	70	970.49

LM06

Panza circulara placata CMS cu dinti geluitori pentru taieri multiple in lung de fibra a lemnului

- *pentru debitarea in lungul fibrei a lemnului masiv de esenta moale, tare si extradur*
- *recomandate pentru utilizare in fabricile de cherestea pentru taierea lemnului umed cu un continut ridicat de rasina si o umiditate de peste 10%*
- *utilizare pe utilaje cu panza unica, dubla si multipla*
- *ascutire dreapta*





freud.

	D	B/b	Z	α	d	
LM06 1300	350	4,2/3,0	20 + 2 + 4	25°	70	**943.28**



Acoperire cu start de argint I.C.E.

Reducerea frecarii: acoperire cu strat argint I.C.E.
• O acoperire de inalta performanta si anticoroziva pentru mentinerea temperaturii scazute a lamei in timpul procesului de lucru.
• Caracteristica anti-lipire imbunatateste evacuarea aschiei si reduce in mod semnificativ formarea rasinii, reducand frecarea si prelungind durata de viata a lamei.



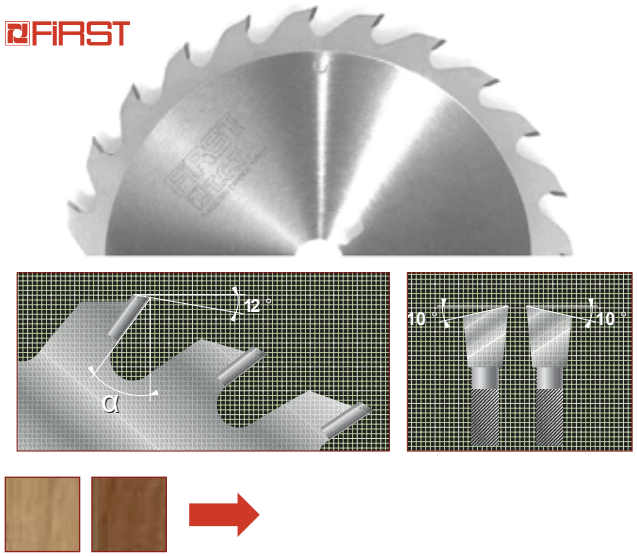
Vedere in sectiune pentru sloturile antivibratie

Precizie imbunatatita: sloturi anti-vibratii pentru finisarea perfecta
• Sloturi in corpul panzei taiate cu laser cu tehnologia inovatoare Freud.
• Disponibile si cu umplutura din poliuretan termoplastic, care reduce considerabil vibratiile si minimizeaza zgomotul.

GAMMA IV

Panza circulara placata CMS pentru taierea longitudinala a lemnului

- *pentru debitarea in lungul fibrei a lemnului masiv de esenta moale si tare*
- *utilizare pe circulare cu masa pentru formatizat*
- *ascutire alternativa*



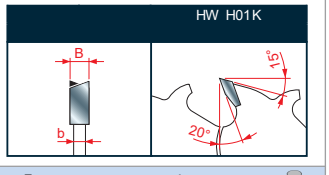
	D	B/b	Z	α	d	
LC2502401	250	3,2/2,2	24	20°	30	**404.57**
LC3002406	300	3,2/2,2	24	20°	30	**418.52**
LC3003601	300	3,2/2,2	36	18°	30	**460.38**
LC3502802	350	3,5/2,5	28	20°	30	**558.04**
LC3504206	350	3,5/2,5	42	18°	30	**578.96**
LC4003202	400	3,8/2,8	32	20°	30	**662.66**
LC4004801	400	3,8/2,8	48	18°	30	**718.46**
LC4503602	450	4,0/3,0	36	20°	30	**920.76**
LC4505404	450	4,0/3,0	54	18°	30	**1074.22**
LC5004003	500	4,0/3,0	40	20°	30	**1088.16**
LC5006002	500	4,0/3,0	60	18°	30	**1269.52**
LC5504401	550	4,0/3,0	44	20°	30	**1227.67**
LC6004804	600	4,0/3,0	48	20°	30	**1325.33**

LG1C

Panza circulara placata CMS pentru taierea longitudinala a lemnului masiv

- *pentru debitarea longitudinala pe fibra a lemnului masiv de esenta moale si tare*
- *utilizare pe circulare cu masa pentru formatizat sau multilama*
- *ascutire alternativa 10° cu unghi de taiere pozitiv*





freud.

	D	B/b	Z	α	d	
LG1C 1000	350	3,5/2,5	30	20°	30	**473.11**

22 5255

NOU

Panza circulara placata CMS pentru taierea longitudinala si transversala a lemnului

- *lemn de esenta moale: cherestea, panouri constructii, prisme ptr constructii, scanduri pentru podea, scanduri pentru terase, sipci*
- *materiale pe baza de lemn: laci OSB, PAL, Placi din fibra de lemn*
- *materiale plastice*









PILANA

	DØ	dØ	b	B	Z	RPM	ambalaj	
5255-11524222WZ	115	22.2	1.1	1.8	Z 24	13300	150x120	**14.21**
5255-11540222WZ	115	22.2	1.1	1.8	Z 40	13300	150x120	**18.72**
5255-12524222WZ	125	22.2	1.1	1.8	Z 24	12200	150x130	**15.27**
5255-12540222WZ	125	22.2	1.1	1.8	Z 40	12200	150x130	**20.85**
5255-1302420WZ	130	20	1.2	1.9	Z 24	11800	150x150	**15.93**
5255-1402420WZ	140	20	1.2	1.9	Z 24	11000	150x150	**16.20**
5255-1403020WZ	140	20	1.2	1.9	Z 30	11000	150x150	**20.45**
5255-1502420WZ	150	20	1.3	2.0	Z 24	10200	185x175	**19.25**
5255-1601820WZ	160	20	1.3	2.0	Z 18	9600	185x175	**19.52**
5255-1602420WZ	160	20	1.3	2.0	Z 24	9600	185x175	**21.11**
5255-1603620WZ	160	20	1.3	2.0	Z 36	9600	185x175	**25.63**
5255-1604820WZ	160	20	1.3	2.0	Z 48	9600	185x175	**30.14**
5255-1606020WZ	160	20	1.3	2.0	Z 60	9600	185x175	**34.66**
5255-1652420WZ	165	20	1.3	2.0	Z 24	9600	185x175	**23.93**
5255-1654820WZ	165	20	1.3	2.0	Z 48	9600	185x175	**33.44**
5255-1702416WZ	170	16	1.3	2.0	Z 24	9000	195x195	**24.57**
5255-1802420WZ	180	20	1.3	2.0	Z 24	8500	195x195	**26.42**
5255-1804020WZ	180	20	1.3	2.0	Z 40	8500	195x195	**32.53**
5255-1805020WZ	180	20	1.3	2.0	Z 50	8500	195x195	**35.99**
5255-1852420WZ	185	20	1.3	2.0	Z 24	8500	220x220	**26.56**
5255-1854020WZ	185	20	1.3	2.0	Z 40	8500	220x220	**32.67**
5255-1902430WZ	190	30	1.4	2.2	Z 24	8050	220x220	**30.67**
5255-1904030WZ	190	30	1.4	2.2	Z 40	8050	220x220	**36.25**
5255-1906020WZ	190	20	1.4	2.2	Z 60	8050	220x220	**43.95**
5255-1906030WZ	190	30	1.4	2.2	Z 60	8050	220x220	**43.95**
5255-2004030WZ	200	30	1.4	2.2	Z 40	7600	220x220	**40.50**
5255-2006030WZ	200	30	1.4	2.2	Z 60	7600	220x220	**47.94**
5255-2054030WZ	205	30	1.4	2.2	Z 40	7600	220x220	**40.50**
5255-2056030WZ	205	30	1.4	2.2	Z 60	7600	220x220	**47.94**
5255-2103030WZ	210	30	1.4	2.2	Z 30	7300	220x220	**43.16**
5255-2104030WZ	210	30	1.4	2.2	Z 40	7300	220x220	**44.75**
5255-2106030WZ	210	30	1.4	2.2	Z 60	7300	220x220	**52.19**
5255-2164230WZ	216	30	1.6	2.4	Z 42	7300	220x220	**51.12**
5255-2302430WZ	230	30	1.6	2.4	Z 24	6600	245x245	**46.61**
5255-2303630WZ	230	30	1.6	2.4	Z 36	6600	245x245	**51.39**
5255-2304830WZ	230	30	1.6	2.4	Z 48	6600	245x245	**60.68**
5255-2502430WZ	250	30	1.6	2.4	Z 24	6100	265x265	**53.65**
5255-2504030WZ	250	30	1.6	2.4	Z 40	6100	265x265	**61.88**
5255-2506030WZ	250	30	1.6	2.4	Z 60	6100	265x265	**73.30**
5255-2508030WZ	250	30	1.6	2.4	Z 80	6100	265x265	**83.92**
5255-3002830WZ	300	30	1.8	2.8	Z 28	5100	310x310	**83.52**
5255-3004030WZ	300	30	1.8	2.8	Z 40	5100	310x310	**85.91**
5255-3006030WZ	300	30	1.8	2.8	Z 60	5100	310x310	**100.25**
5255-3008030WZ	300	30	1.8	2.8	Z 80	5100	310x310	**110.08**
5255-3154030WZ	315	30	1.8	2.8	Z 40	4800	390x368	**94.81**
5255-3158030WZ	315	30	1.8	2.8	Z 80	4800	390x368	**119.24**
5255-3504030WZ	350	30	2.0	3.0	Z 40	4300	390x368	**115.52**
5255-3506030WZ	350	30	2.0	3.0	Z 60	4300	390x368	**129.33**
5255-4004030WZ	400	30	2.0	3.0	Z 40	3800	460x420	**164.26**
5255-4006030WZ	400	30	2.0	3.0	Z 60	3800	460x420	**177.54**

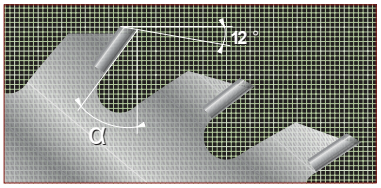
GAMMA III

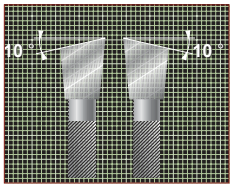
Panza circulara placata CMS pentru taierea longitudinala si transversala a lemnului

- *pentru debitarea in lungul si transversal pe fibra a lemnului masiv de esenta moale si tare*
- *pentru debitarea panourilor derivate din lemn si al lemnului stratificat, placaj, furnir*
- *utilizare pe circulare cu masa pentru formatizat*
- *ascutire alternativa*

FIRST









	D	B/b	Z	α	d	
LC2504003	250	3,2/2,2	40	12°	30	**432.48**
LC2504802	250	3,2/2,2	48	10°	30	**453.40**
LC3004802	300	3,2/2,2	48	12°	30	**502.23**
LC3006006	300	3,2/2,2	60	10°	30	**537.11**
LC3505403	350	3,5/2,5	54	12°	30	**592.91**
LC3507201	350	3,5/2,5	72	10°	30	**641.73**
LC4006401	400	3,8/2,8	64	12°	30	**781.24**
LC4008001	400	3,8/2,8	80	10°	30	**837.05**
LC4507201	450	4,0/3,0	72	12°	30	**1269.52**
LC5007202	500	4,0/3,0	72	12°	30	**1471.82**
LC5506005	550	4,0/3,0	60	18°	30	**1381.13**
LC6007201	600	4,0/3,0	72	12°	30	**1604.34**

LG2A

Panza circulara placata CMS pentru taierea longitudinala si transversala a lemnului

- *pentru debitarea in lung si transversal pe fibra a lemnului masiv de esenta moale si tare*
- *pentru debitare placi aglomerate si placaj neprelucrat*
- *utilizare pe circulare cu masa pentru formatizat sau portabile*
- *ascutire alternativa cu unghi de taiere pozitiv*

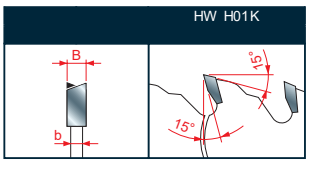
Anti-vibration

Silver I.C.E. Coating





HW H01K



freud.

	D	B/b	Z	α	d	
LG2A 1700	250	3,2/2,2	40	15°	30	**330.66**
LG2A 2100	300	3,2/2,2	48	15°	30	**458.03**

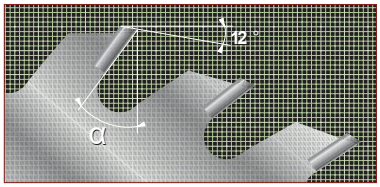
GAMMA II

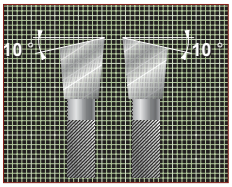
Panza circulara placata CMS pentru taierea transversala a lemnului

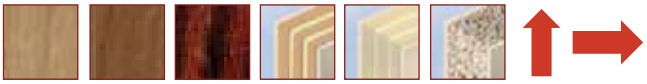
- *pentru debitarea transversal pe fibra a lemnului masiv de esenta moale si tare*
- *pentru debitarea panourilor derivate din lemn si al lemnului stratificat, placaj, furnir*
- *utilizare pe circulare cu masa pentru formatizat*
- *ascutire alternativa*

FIRST









	D	B/b	Z	α	d	
LC2506001	250	3,2/2,2	60	10°	30	**502.23**
LC3007201	300	3,2/2,2	72	10°	30	**571.99**
LC3057201	305	3,2/2,2	72	10°	30	**627.79**
LC3508404	350	3,5/2,5	84	10°	30	**711.49**
LC4009604	400	3,8/2,8	96	10°	30	**892.85**

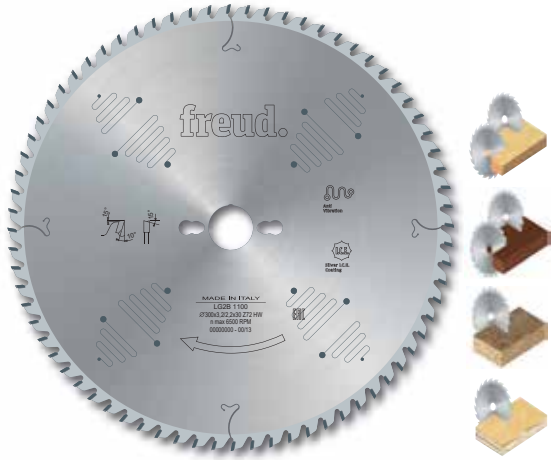
LG2B

Panza circulara placata CMS pentru taierea transversala a lemnului

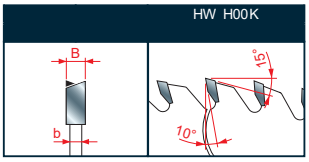
- *pentru debitarea transversal pe fibra a lemnului masiv de esenta moale si tare*
- *pentru debitare lemn exotic, placi aglomerate si placaj neprelucrat*
- *utilizare pe circulare cu masa pentru formatizat sau portabile*
- *ascutire alternativa 15° cu unghi de taiere pozitiv*

Anti-vibration

Silver I.C.E. Coating



HW H00K



freud.

	D	B/b	Z	α	d	
LG2B 0700	250	3,2/2,2	60	10°	30	**412.46**
LG2B 1400	350	3,5/2,5	72	10°	30	**521.64**

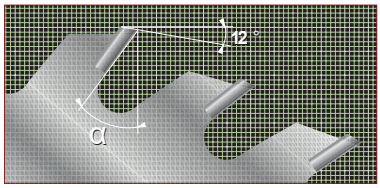
GAMMA I

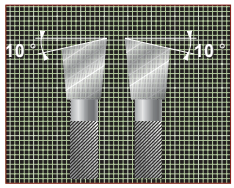
Panza circulara placata CMS pentru taierea transversala a lemnului

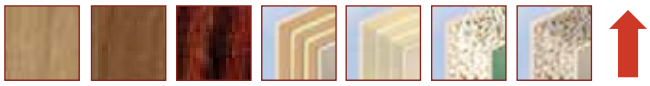
- *pentru debitarea transversal pe fibra a lemnului masiv de esenta moale si tare, lemnului exotic,*
- *pentru debitarea panourilor derivate din lemn si al lemnului stratificat, placaj, furnir, placilor melaminate pe o fata*
- *utilizare pe circulare cu masa pentru formatizat*
- *ascutire alternativa*

FIRST









	D	B/b	Z	α	d	
LC1504806	150	2,8/1,8	48	10°	30	**362.72**
LC1805602	180	2,8/1,8	56	10°	30	**460.38**
LC2006406	200	3,0/2,0	64	10°	30	**488.28**
LC2508001	250	3,2/2,2	80	10°	30	**571.99**
LC3009605	300	3,2/2,2	96	10°	30	**669.65**
LC3059601	305	3,2/2,2	96	10°	30	**711.49**
LC35010801	350	3,5/2,5	108	10°	30	**802.17**
LC40012003	400	3,8/2,8	120	10°	30	**976.56**

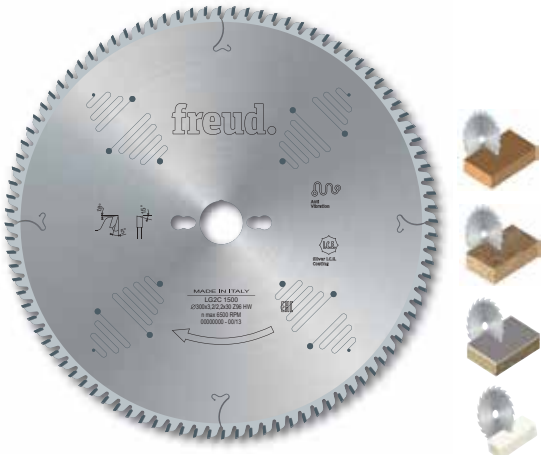
LG2C

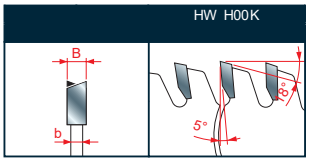
Panza circulara placata CMS pentru taierea transversala a lemnului masiv

- *pentru debitarea transversala pe fibra a lemnului masiv de esenta moale si tare*
- *pentru debitare lemn exotic, PAL, compozite termoplastice-lemn, placi MDF laminate pe o parte*
- *utilizare pe circulare cu masa pentru formatizat sau portabile*
- *ascutire alternativa 15° cu unghi de taiere pozitiv*

Anti-vibration

Silver I.C.E. Coating





freud.

	D	B/b	Z	α	d	
LG2C 1200	250	3,2/2,2	80	5°	30	**512.62**
LG2C 1500	300	3,2/2,2	96	5°	30	**582.30**

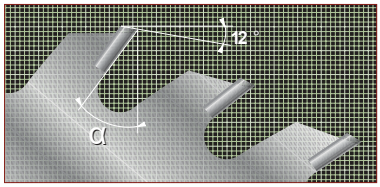
INDUS

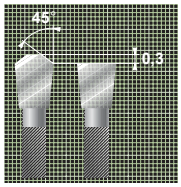
Panza circulara placata CMS pentru formatizarea PAL-ului melaminat pe ambele fete

- *utilizata pentru formatizarea PAL-ului melaminat pe ambele fete impreuna cu panzele incizor*
- *panzele circulare sunt proiectate pentru a realiza o taiere precisa si fina in materiale precum placaj, placi aglomerate, PAL, PAL melaminat,*
- *sunt utilizate pe circulare de formatizat cu masa orizontala, impreuna cu panza incizor*
- *ascutire: trapez drept, cu unghi de taiere pozitiv*

FIRST









	D	B/b	Z	α	d	
LC2508004	250	3,2/2,2	80	12°	30	**662.66**
LC3009603	300	3,2/2,2	96	12°	30	**767.29**
LC35010807	350	3,5/2,5	108	12°	30	**920.76**

Viteza de taiere recomandata in functie de diametru:

diametru mm	rpm maxim
100	15000
125	13000
150	12000
160	11000
180	10000
200	9000
250	7000
300	6000
350	5000
400	4500
450	4000
500	3500
550	3000
600	2800

Viteza de avans recomandata in functie de material:

material	viteza avans
lemn moale	10/40 m/min
lemn tare	10/30 m/min
placaj	10/20 m/min
materiale plastice	5/10 m/min

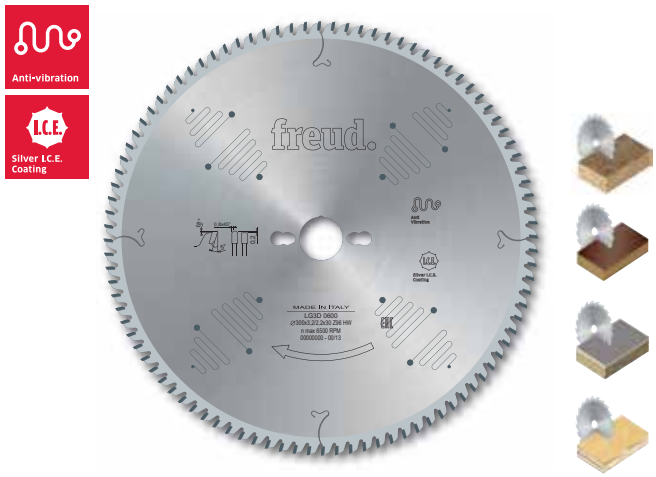
Viteza de taiere recomandata in functie de material:

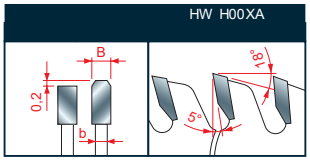
material	viteza taiere
lemn tare	60/90 m/sec
lemn tare	50/70 m/sec
placaj	60/80 m/sec
materiale plastice	25/60 m/sec
aluminiu	20/30 m/sec

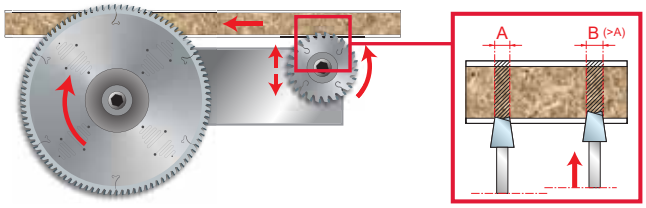
LG3D

Panza circulara placata CMS pentru taierea transversala a placilor melaminate pe una sau doua fete

- *pentru debitarea transversala pe fibra a panourilor bilaminate*
- *utilizare pe circulare cu masa pentru formatizat masini orizontale de dimensionare a panourilor*
- *ascutire trapez drept cu unghi de taiere pozitiv*







Latimea taierii panzei circulare de baza

freud.

	D	B/b	Z	α	d	
LG3D 0600	300	3,2/2,2	96	5°	30	**524.59**

CRESTEREA DURITATII

TF30	K10S	H01K	H00K	H00XA	H00XF
1515 9,8 11,75	1620 8,94 14,35	1870 8,22 14,36	1930 7,68 14,71	2070 7,71 14,73	2200 7,73 14,63

Duritate in Vickers (HV10)
Rezistenta la rupere (K1c)
Densitate (gr/cm³)

TiCo Carbide

Productie proprie de placute din carbura de tungsten Carbide (HW)
• TiCo Carbide reprezinta o formula speciala, carbura foarte compacta de titan cu cobalt, proiectata si fabricata „in-house" de catre Freud.
• Clasele speciale HW sunt amestecate pe baza nevoilor de aplicare si verificate in conformitate cu criterii stricte de calitate.
• Geometriile speciale ale dintilor sunt dezvoltate pentru taieri perfecte.

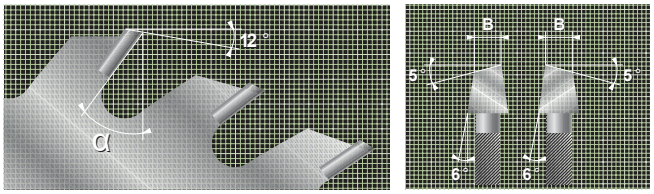
THYCO

Panza incizor conic

- *panza incizor cu dinti conici pentru circulare de formatizat PAL*
- *utilizata pentru formatizarea PAL-ului si MDF-ului melaminat pe ambele fete, pe circular de formatizat cu masa orizontala ce permite ajustarea pe verticala a inaltimii de taiere*

FIRST







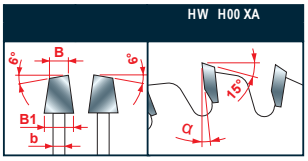
	D	B/b	Z	α	d	
LC1002010	100	3,1/4,3	20	10°	20	**390.62**
LC1202410	120	3,1/4,3	24	10°	20	**411.55**
LC1252420	125	3,1/4,3	24	10°	20	**411.55**

LI25M

Panza incizor conic

- *utilizata pentru formatizarea PAL-ului melaminat pe ambele fete*
- *utilaje: circular de formatizat cu masa orizontala ce permite ajustarea pe verticala a inaltimii de taiere*
- *ascutire: trapez, cu unghi de taiere pozitiv*
- *material: PAL sau MDF melaminat pe ambele fete*





freud.

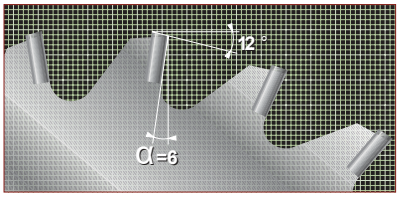
	D	B/b	Z	α	d	
LI25M31BC3	100	3,1/4,3	20	10°	20	**315.41**
LI25M31EA3	120	3,1/4,3	24	10°	20	**303.28**
LI25M31FA3	125	3,1/4,3	24	10°	20	**315.41**

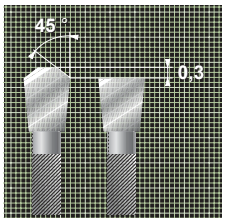
ALGOR (+)

Panza circulara placata CMS pentru aluminiu si neferoase

- *aceste panze sunt ideale pentru debitarea profilelor si barelor de aluminiu sau aliajelor neferoase*
- *ascutire: trapez drept, cu unghi de taiere pozitiv*
- *recomandate pentru utilaje actionate automat*











FIRST

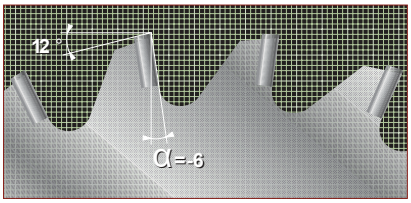
	D	B/b	Z	α	d	
LC2508003	250	3,2/2,2	80	6°	30	**620.82**
LC3009602	300	3,2/2,4	96	6°	30	**725.44**
LC35010803	350	3,4/2,8	108	6°	30	**871.93**
LC40012007	400	3,6/2,8	120	6°	30	**1102.11**

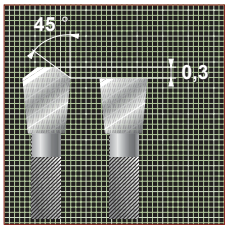
ALGOR (-)

Panza circulara placata CMS pentru aluminiu si neferoase

- *aceste panze sunt ideale pentru debitarea profilelor si barelor de aluminiu sau aliajelor neferoase*
- *ascutire: Trapez drept, cu unghi de taiere negativ*
- *recomandate pentru utilaje actionate manual*









FIRST

	D	B/b	Z	α	d	
LC2508002	250	3,2/2,2	80	-6°	30	**620.82**
LC3009604	300	3,2/2,4	96	-6°	30	**725.44**
LC35010805	350	3,4/2,8	108	-6°	30	**871.93**
LC40012001	400	3,6/2,8	120	-6°	30	**1102.11**

LU5D NOU

Panza circulara placata CMS pentru aluminiu si neferoase

- *panza circulara cu dinti de carbură pentru tăierea aluminiului si a metalelor neferoase*
- *carbura de inalta densitate TiCo exclusiv de la Freud, proiectata si fabricata special pentru fiecare aplicatie de taiere pentru a maximiza durata de viata a taierii.*
- *dinte plat-triplu cu unghi de taiere negativ.*
- *aoperirea I.C.E. previne acumularea pe suprafata lamei si mentine lama sa functioneze mai rece si mai curata*
- *design anti-vibratii*
- *ideala pentru: a taia produse trase si tuburi a caror grosime depaseste 5 mm*







Features TiCo™
Hi-Density Carbide



freud.

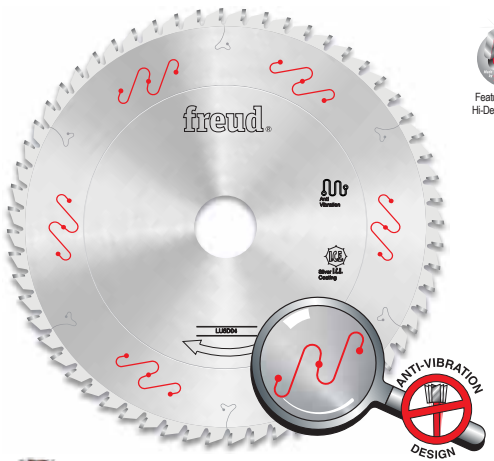
	D	B/b	Z	α	d	
LU5D 0100	160	2.8/2.2	42	-6°	20	**327.54**
LU5D 0200	190	2.8/2.2	54	-6°	30	**400.33**
LU5D 0800	250	3.5/3.0	80	-6°	30	**624.75**
LU5D 1200	300	3.5/3.0	96	-6°	30	**764.26**
LU5D 1700	350	3.5/3.0	108	-6°	30	**882.62**
LU5D 2300	400	3.5/3.0	120	-6°	30	**988.69**
LU5D 2900	450	4.0/3.2	128	-6°	30	**1480.00**

LU5C NOU

Panza circulara placata CMS pentru aluminiu si neferoase

- *panza circulara cu dinti de carbură pentru taierea aluminiului si a metalelor neferoase*
- *carbura de inalta densitate TiCo exclusiv de la Freud, proiectata si fabricata special pentru fiecare aplicatie de taiere pentru a maximiza durata de viata a taierii.*
- *dinte plat-triplu cu unghi de taiere negativ.*
- *aoperirea I.C.E. previne acumularea pe suprafata lamei si mentine lama sa functioneze mai rece si mai curata*
- *design anti-vibratii*
- *ideala pentru: a taia produse trase si tuburi a caror grosime depaseste 5 mm*





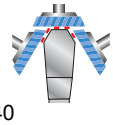


Features TiCo™
Hi-Density Carbide



freud.

	D	B/b	Z	α	d	
LU5C 2800	500	4.0/3.2	120	-6°	30	**1595.25**



DESIGN DINTI CU ASCUTIRE TRIPLA (TCG)
cu un unghi de ascutire pozitiv pentru o durata lunga de viata in aplicatii de productie.



CARBURĂ FREUD TICO™
este durabil si rezistent la substante chimice pentru o durata lungă de viata si taieturi ascutite

3100 / 3101

Burghie elicoidale cilindrice scurte pentru lemn, forma B, cu doua taisuri si varf de centrare

• burghie elicoidale cilindrice scurte pentru lemn, forma B, cu doua taisuri si varf de centrare conf DIN 1412 E, executie din otel crom-vanadiu, laminate si tratate termic, brunate, cu suprafata cilindrica / fatete rectificate.
• taiere pe dreapta. Unghiul spirei 20-30° .
• la diametre mai mari de 10 mm au coada redusa, de 10 mm si la diametre mai mari de 20 au coada redusa, de 13 mm .
• destinate pentru gaurire in lemn de esenta moale si tare, lemn stratificat si panouri din lemn fara strat de acoperire, PAL .
• se pot folosi atat pe masini de gaurit / utilaje stationare / fixe, cat si pe masini de gaurit portabile, electrice sau pneumatice



BOC BOHRCRAFT

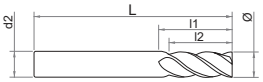
	Ø	LT	LU	Coada	
lungime normala					
31000700300	3,00	61	33	3	7.05
31000700400	4,00	74	43	4	7.05
31000700500	5,00	86	52	5	7.54
31000700600	6,00	93	57	6	8.20
31000700700	7,00	109	69	7	8.36
31000700800	8,00	117	75	8	10.82
31000700900	9,00	120	81	9	12.79
31000701000	10,00	133	87	10	13.61
31000701100	11,00	142	89	10	16.56
31000701200	12,00	151	96	10	20.16
31000701300	13,00	151	96	10	22.30
31000701400	14,00	151	96	10	24.43
31000701500	15,00	160	100	10	28.03
31000701600	16,00	160	100	10	34.75
31000701800	18,00	180	120	10	55.25
31000702000	20,00	200	130	10	75.57
lungime totala 250 mm					
31010700600	6,00	250	155	6	34.10
31010700800	8,00	250	155	8	35.74
31010701000	10,00	250	155	10	39.84
31010701200	12,00	250	155	10	49.84
31010701400	14,00	250	155	10	58.20
31010701600	16,00	250	155	10	73.11
31010701800	18,00	250	155	10	89.84
31010702000	20,00	250	155	10	104.43
lungime totala 400 mm					
31010700840	8,00	400	340	8	58.20
31010701040	10.00	400	340	10	61.31
31010701240	12,00	400	340	10	67.70
31010701440	14.00	400	340	10	82.46
31010701640	16,00	400	340	10	87.87
31010702040	20,00	400	340	10	121.64

8236671

Freze CMS integral Z 2

• unghiul spirei: 30º
• numar de dinti: Z2
• toleranta: h9





TIVOLY | HM CARB | BRIGHT UNCOATED | TIVOLY NORM | Z2 | 25° | h9

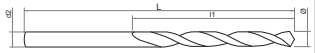
	Ø	d2	L	l2	
82366710600	6,0	6,0	60	20	270.49
82366710800	8,0	8,0	60	22	374.23
82366711000	10,0	10,0	72	30	485.22
82366711200	12,0	12,0	76	32	607.63

1086402

Burghie elicoidale cilindrice scurte pentru lemn, forma E, cu doua taisuri si varf de centrare, HSS, norma TIVOLY, SLR®

• burghie elicoidale cilindrice scurte pentru lemn, forma E, cu doua taisuri si varf de centrare norma TIVOLY, SLR®
• executie din HSS, tratate termic, rectificate, cu tratament de suprafata gold
• taiere pe dreapta, unghiul spirei 20 -:- 30°, profilul spirei special cu un volum mare al canalului de evacuare.
• ascutirea cu doua taisuri si varf de centrare conf DIN 1412 E,
• tija gradata pentu controlul adancimii gauririi
• destinate pentru gaurire in lemn de esenta moale si tare, lemn stratificat si panouri din lemn fara strat de acoperire, PAL .
• se pot folosi atat pe masini de gaurit / utilaje stationare / fixe, cat si pe masini de gaurit portabile, electrice sau pneumatice





TIVOLY



HSS | GOLD TREATED | TIVOLY NORM | GRADUATION | SPEED POINT | SPECIAL TYPE FLUTE

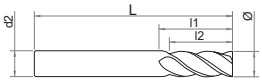
	Ø	d2	L	l1	
10864020200	2,0	2,0	55	23	40.82
10864020250	2,5	2,5	55	23	50.49
10864020300	3,0	3,0	61	33	66.07
10864020400	4,0	4,0	75	43	69.18
10864020500	5,0	5,0	86	52	82.62
10864020600	6,0	6,0	93	57	94.10
10864020700	7,0	7,0	109	69	115.90
10864020800	8,0	8,0	117	75	122.62
10864020900	9,0	9,0	125	81	144.75
10864021000	10,0	10,0	133	87	152.62
10864021200	12,0	12,0	151	101	224.92

8236651

Freze CMS integral Z 1

• unghiul spirei: 30º
• numar de dinti: Z1
• toleranta: h9





TIVOLY | HM CARB | BRIGHT UNCOATED | TIVOLY NORM | Z1 | 25°

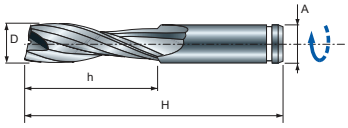
	Ø	d2	L	l2	
82366510600	6,0	6,0	60	20	309.53
82366510800	8,0	8,0	60	22	416.68
82366511000	10,0	10,0	72	30	535.17
82366511200	12,0	12,0	76	32	595.10

SCH2UF

Freza din carbura solida Z-2 cu eliminarea aschiei in sus

• conceput pentru: masini de frezat CNC pentru aplicatii general si finisaj perfect
• potrivit pentru: formatizat si gaurit
• SCH2U: spirala elicoidala, eliminare aschiei in sus pentru o finisare optima a panoului pe partea inferioara



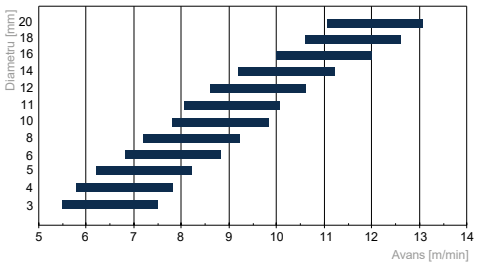


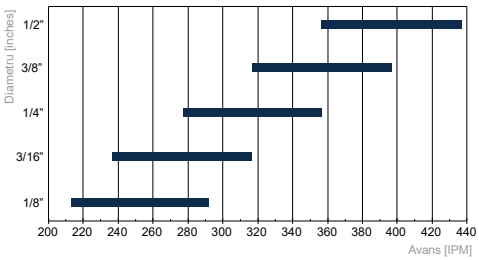
freud.



	D	h	H	A	Z	
SCH2UFN135R	3	13	50	8	2	222.46
SCH2UFN140R	4	16	50	8	2	229.18
SCH2UFN145R	5	17	50	8	2	248.52
SCH2UFN150R	6	25	60	8	2	248.52
SCH2UFN155R	7	32	80	8	2	281.64
SCH2UFN228R	8	32	80	8	2	287.87
SCH2UFN232R	8	42	90	8	2	342.62
SCH2UFN244R	10	42	100	10	2	392.46
SCH2UFN248R	10	52	100	10	2	420.49
SCH2UFN256R	12	32	80	12	2	473.44
SCH2UFN260R	12	42	90	12	2	498.36
SCH2UFN264R	12	52	100	12	2	510.82
SCH2UFN276R	14	52	100	14	2	719.51
SCH2UFN280R	16	52	100	16	2	819.18
SCH2UFN284R	18	52	110	18	2	1034.10
SCH2UFN288R	20	52	120	20	2	1258.36
SCH2UFN292R	20	72	130	20	2	1414.10

Viteza recomandata pentru: lemn moale - 18.000 RPM.
Adancimea de taiere egala cu diametrul de taiere

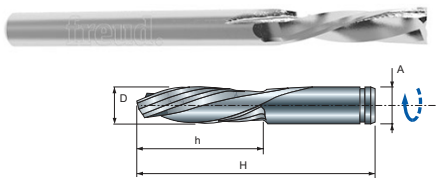


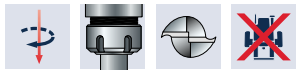


SCH2DF

Freza din carbura solida Z-2 cu eliminarea aschiei in jos

• conceput pentru: masini de frezat CNC pentru aplicatii general si finisaj perfect
• potrivit pentru: formatizat si gaurit
• SCH2D: spirala elicoidala, eliminare aschiei in sus pentru o finisare optima a panoului pe partea superioara





freud.

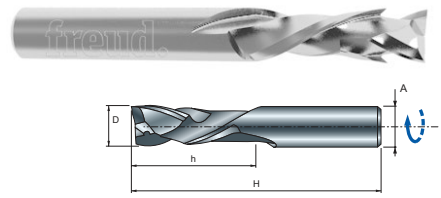


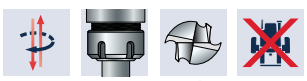
	D	h	H	A	Z	
SCH2DFN135R	3	13	50	8	2	229.18
SCH2DFN140R	4	16	50	8	2	235.41
SCH2DFN145R	5	17	50	8	2	255.41
SCH2DFN150R	6	25	60	8	2	255.41
SCH2DFN155R	7	32	80	8	2	287.87
SCH2DFN228R	8	32	80	8	2	294.59
SCH2DFN232R	8	42	90	8	2	348.85
SCH2DFN244R	10	42	90	10	2	392.46
SCH2DFN248R	10	52	100	10	2	420.49
SCH2DFN256R	12	32	80	12	2	473.44
SCH2DFN260R	12	42	90	12	2	498.36
SCH2DFN264R	12	52	100	12	2	510.82
SCH2DFN276R	14	52	100	14	2	735.08
SCH2DFN280R	16	52	100	16	2	825.41
SCH2DFN284R	18	52	110	18	2	1034.10
SCH2DFN288R	20	52	120	20	2	1258.36
SCH2DFN292R	20	72	130	20	2	1414.10

SCH2XFN

Freza din carbura solida Z-2 cu eliminarea aschiei in jos, coada cilindrica 8 mm

• conceput pentru: masini de frezat CNC pentru aplicatii general si finisaj perfect
• potrivit pentru: formatizat, gaurit si nesting
• SCH2D: spirala elicoidala, eliminarea aschiei in sus pentru o finisare optima a panoului pe partea inferioara si superioara





freud.



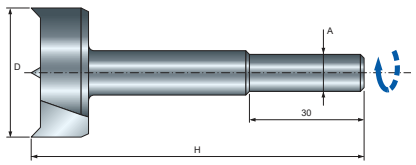
	D	h	H	A	hUP	Z	
SCH2XFN410R	8	32	70	8	10	2+2	342.62
SCH2XFN350R	10	32	80	10	5	2+2	420.49
SCH2XFN370R	12	42	100	12	5	2+2	563.77
SCH2XFN444R	16	35	90	16	14	2+2	865.90
SCH2XFN450R	18	55	110	20	24	2+2	1217.87
SCH2XFN455R	20	55	110	20	30	2+2	1270.82

3250

Burghiu de precizie gauri mari, cu coada cilindrica

• cu varf de centrare, doua muchii de taiere si o lama de taiere pe circumferinta
• taiere pe dreapta
• varianta forjata
• pentru gauri de precizie in lemn si distrugerea nodurilor





BOC BOHRCRAFT

	D	A	H	Z	
32500500800	8,0	8	90	2+2	43.77
32500501000	10,0	8	90	2+2	46.07
32500501200	12,0	8	90	2+2	48.85
32500501400	14,0	8	90	2+2	50.82
32500501500	15,0	8	90	2+2	53.77
32500501600	16,0	8	90	2+2	55.08
32500501800	18,0	8	90	2+2	59.51
32500502000	20,0	8	90	2+2	62.13
32500502200	22,0	8	90	2+2	65.90
32500502400	24,0	8	90	2+2	68.85
32500502500	25,0	8	90	2+2	72.46
32500502600	26,0	8	90	2+2	73.93
32500502800	28,0	8	90	2+2	78.85
32500503000	30,0	8	90	2+2	82.13
32500503200	32,0	10	90	2+2	86.56
32500503500	35,0	10	90	2+2	96.39
32500503800	38,0	10	90	2+2	108.20
32500504000	40,0	10	90	2+2	112.30
32500504500	45,0	10	90	2+2	130.16
32500505000	50,0	10	90	2+2	153.93

FB 5

Set burghie de precizie gauri mari, cu coada cilindrica

• cu varf de centrare, doua muchii de taiere
• taiere pe dreapta
• varianta forjata
• pentru gauri de precizie in lemn



BOC BOHRCRAFT

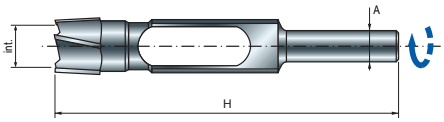
32501450005	15,0-30,0 / 5 piese	506.89
	3052 (15 / 20 / 25 / 30 / 35 mm)	

3650

Burghiu pentru dopuri cu coada cilindrica

• taiere pe dreapta
• varianta forjata
• pentru dopuri de lemn





BOC BOHRCRAFT

	int.	A	H	Z	
36500500800	8,0	11	140	4	206.72
36500501000	10,0	11	140	4	210.82
36500501200	12,0	13	140	4	225.74
36500501500	15,0	13	140	4	268.69
36500501600	16,0	13	140	4	288.85
36500502000	20,0	13	140	5	328.69
36500502200	22,0	13	140	5	360.66
36500502500	25,0	13	140	5	372.62
36500502600	26,0	13	140	5	405.41
36500503000	30,0	13	140	5	432.46
36500503500	35,0	16	160	5	481.31
36500504000	40,0	16	160	6	605.90

P6

Trusa burghie DIN 338, HSS, laminate, 2,0-8,0 mm / 6 piese

• burghie elicoidale cilindrice scurte pentru lemn, forma B, cu doua taisuri si varf de centrare conform DIN 1412 E, executie din otel crom-vanadiu, laminate si tratate termic, brunate, cu suprafata cilindrica / fatete rectificate.
• taiere pe dreapta. Unghiul spirei 20-30° .
• destinate pentru gaurire in lemn de esenta moale si tare, lemn stratificat si panouri din lemn fara strat de acoperire, PAL .
• se pot folosi atat pe masini de gaurit / utilaje stationare / fixe, cat si pe masini de gaurit portabile, electrice sau pneumatice



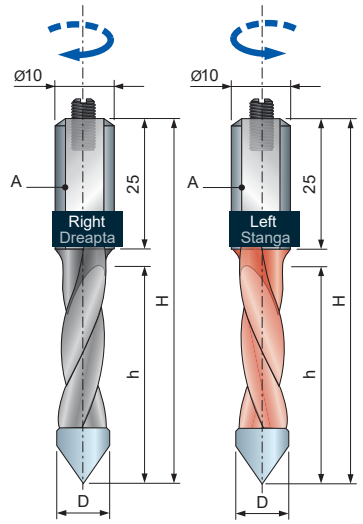
BOC BOHRCRAFT

11001430006	6 piese	39.02
	2,0-8,0 mm / 6 piese	

PF10MD - PF10MS

Burghiu placat CMS pentru gauri strapunse

- *pentru masini de gaurit multiplu.*
- *utilizate pentru realizarea gaurilor strapunse in lemn sau PAL melaminat*
- *placuta cu varf de centrare din carbura solida*
- *surub M5x10 mm de reglaj pe coada burghiului*
- *coada cilindrica aplatizata cu dimensiunea de 10x25 mm*





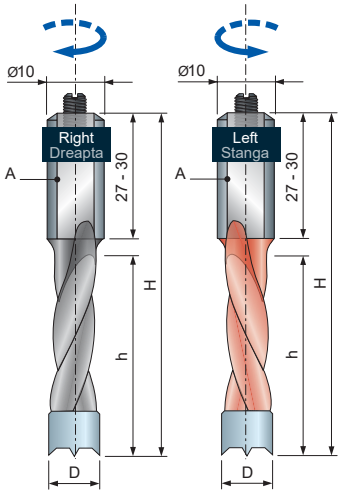
freud.

	D	h	H	A	Z	sens	
PF10MD AC3	5	35	70	10x25	2	dreapta	**128.36**
PF10MD BC3	6	35	70	10x25	2	dreapta	**137.38**
PF10MD CC3	7	35	70	10x25	2	dreapta	**144.92**
PF10MD DC3	8	35	70	10x25	2	dreapta	**141.48**
PF10MD EC3	10	35	70	10x25	2	dreapta	**164.43**
PF10MD GC3	12	35	70	10x25	2	dreapta	**193.11**
PF10MS AC3	5	35	70	10x25	2	stanga	**128.36**
PF10MS BC3	6	35	70	10x25	2	stanga	**137.38**
PF10MS CC3	7	35	70	10x25	2	stanga	**144.92**
PF10MS DC3	8	35	70	10x25	2	stanga	**141.48**
PF10MS EC3	10	35	70	10x25	2	stanga	**163.61**
PF10MS GC3	12	35	70	10x25	2	stanga	**193.11**

PF06MD - PF06MS

Burghiu placat CMS pentru gauri infundate

- *pentru masini de gaurit multiplu.*
- *utilizate pentru realizarea gaurilor oprite (infundate) in lemn sau PAL melaminat*
- *placuta cu varf de centrare din carbura solida*
- *surub M5x10 mm de reglaj pe coada burghiului*
- *coada cilindrica aplatizata cu dimensiunea de 10x25 mm*





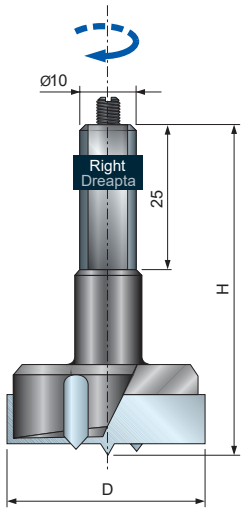
freud.

	D	h	H	A	Z	sens	
PF06MD AC3	5	35	70	10x30	2	dreapta	**96.23**
PF06MD BC3	6	35	70	10x30	2	dreapta	**102.13**
PF06MD CC3	7	35	70	10x30	2	dreapta	**123.11**
PF06MD DC3	8	35	70	10x30	2	dreapta	**108.03**
PF06MD EC3	9	35	70	10x30	2	dreapta	**145.41**
PF06MD FC3	10	35	70	10x30	2	dreapta	**125.25**
PF06MD GC3	12	35	70	10x30	2	dreapta	**149.18**
PF06MD HC3	14	35	70	10x30	2	dreapta	**208.69**
PF06MD IC3	15	35	70	10x30	2	dreapta	**218.69**
PF06MD KC3	16	35	70	10x30	2	dreapta	**251.31**
PF06MS AC3	5	35	70	10x30	2	stanga	**96.23**
PF06MS BC3	6	35	70	10x30	2	stanga	**102.13**
PF06MS CC3	7	35	70	10x30	2	stanga	**123.11**
PF06MS DC3	8	35	70	10x30	2	stanga	**108.03**
PF06MS EC3	9	35	70	10x30	2	stanga	**145.41**
PF06MS FC3	10	35	70	10x30	2	stanga	**125.25**
PF06MS GC3	12	35	70	10x30	2	stanga	**149.18**
PF06MS HC3	14	35	70	10x30	2	stanga	**208.69**
PF06MS IC3	15	35	70	10x30	2	stanga	**218.69**
PF06MS KC3	16	35	70	10x30	2	stanga	**251.31**

PC04MD

Burghiu precizie placat CMS pentru gauri mari

- *pentru masini de gaurit multiplu*
- *utilizate pentru realizarea gaurilor pentru balamale sau gaurilor oprite (infundate) in lemn sau PAL melaminat*
- *placuta cu varf de centrare din carbura solida*
- *surub M5x10 mm de reglaj pe coada burghiului*
- *coada cilindrica aplatizata cu dimensiunea de 10x25 mm*





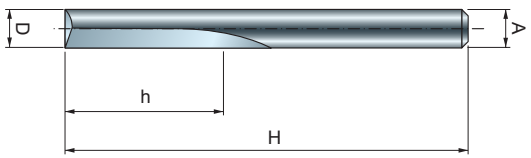
freud.

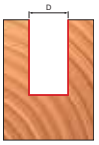
	D	H	A	Z	
PC04MD 123	12	57,5	10x25	2+2	**192.46**
PC04MD 143	14	57,5	10x25	2+2	**192.46**
PC04MD 153	15	57,5	10x25	2+2	**212.79**
PC04MD 163	16	57,5	10x25	2+2	**215.25**
PC04MD 183	18	57,5	10x25	2+2	**220.49**
PC04MD 203	20	57,5	10x25	2+2	**230.49**
PC04MD 223	22	57,5	10x25	2+2	**233.61**
PC04MD 253	25	57,5	10x25	2+2	**227.70**
PC04MD 263	26	57,5	10x25	2+2	**233.61**
PC04MD 303	30	57,5	10x25	2+2	**231.80**
PC04MD 353	35	57,5	10x25	2+2	**237.70**
PC04MD 383	38	57,5	10x25	2+2	**327.05**
PC04MD 403	40	57,5	10x25	2+2	**319.02**
PC04MD 503	50	57,5	10x25	2+2	**1002.95**
PC04MD 603	60	57,5	10x25	2+2	**1196.07**

04-

Freza din carbura solida, cu doua muchii drepte

- *material prelucrat: placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*





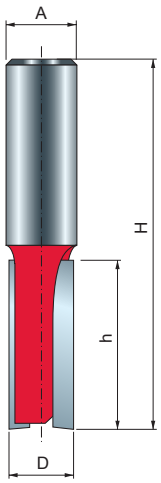
freud.

	D	h	H	A	Z	rpm max.	
04-09908P	3	9,5	44,5	8	2	24000	**139.51**
04-10108P	4	15,8	44,5	8	2	24000	**164.92**
04-11308P	5	12,7	50,8	8	2	24000	**143.11**
04-11008P	6	25,4	76,2	8	2	24000	**203.28**

04-, MM-

Freza cu coada, cilindrico frontala, placata CMS Z2

• *freza cu coada pentru realizarea ulucelor, profilelor drepte si a indreptarilor de cant*





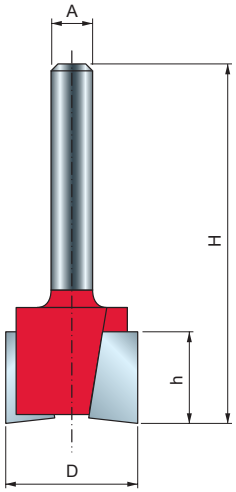
freud.

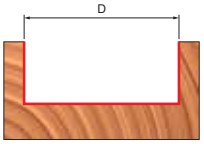
	D	h	H	A	Z	rpm max.	
04-11208P	7	25,4	63,5	8	2	24000	**126.23**
04-11908P	8	31,8	70	8	2	24000	**132.30**
MM-11008P	10	31,8	69	8	2	24000	**136.56**
04-13708P	12	31,8	68	8	2	24000	**137.70**
04-14508P	14	31,8	68,2	8	2	24000	**146.56**
04-14708P	15	31,8	68,2	8	2	24000	**146.56**
04-15008P	16	31,8	66	8	2	24000	**151.64**
04-15108P	18	20	52	8	2	24000	**138.52**
04-15508P	20	19	56	8	2	24000	**142.30**
04-15708P	22	19	51	8	2	24000	**166.56**
04-15808P	24	20	52	8	2	24000	**186.89**
04-15908P	25	19	56	8	2	24000	**183.77**

16-

Freza cu coada, cilindrico frontala, pentru mortezat, placata CMS Z2

• *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
• *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat*
• *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*





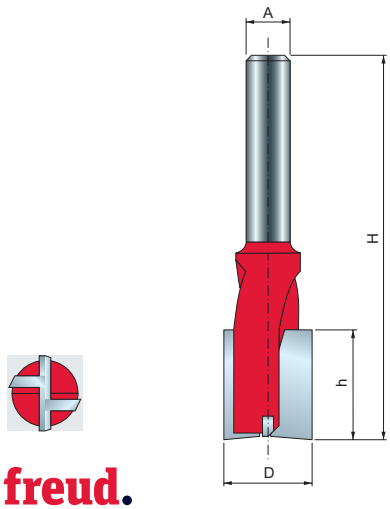
freud.

	D	h	H	A	Z	rpm max.	
16-10008P	12,7	12,5	50,8	8	2	24000	**101.31**
16-10408P	19	12,5	50,8	8	2	24000	**115.90**

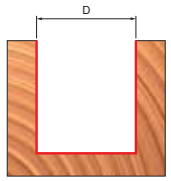
17-

Freza cu coada, cilindrico frontala, cu varf de centrare, placata CMS Z2

• *material prelucrat: materiale pe baza de lemn, laminate, placaj, lemn masiv.*
• *se pot utiliza pe masini portabile de frezat*
• *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*







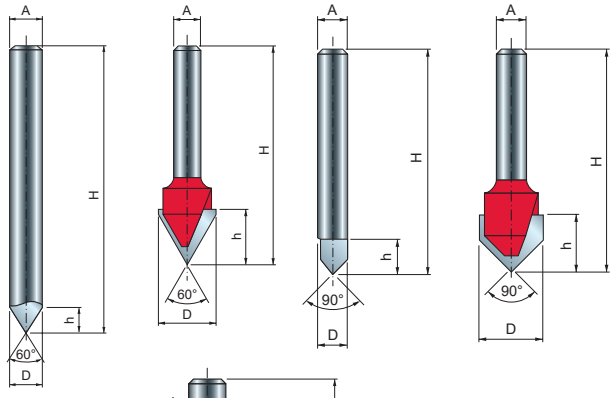
freud.

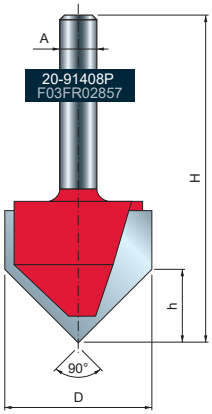
	D	h	H	A	Z	rpm max.	
17-10008P	16	45	85	8	2+1	24000	**318.52**
17-10208P	18	18	70	8	2+1	24000	**304.75**
17-10408P	20	18	70	8	2+1	24000	**348.89**
17-10608P	22	25	70	8	2+1	24000	**304.43**

20-

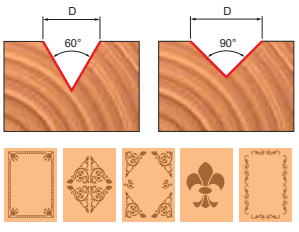
Freza profilata in V pentru gravura, placata CMS, cu coada, Z1, Z2, Z3

• *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
• *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat*
• *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*





■ **Carbura solida**



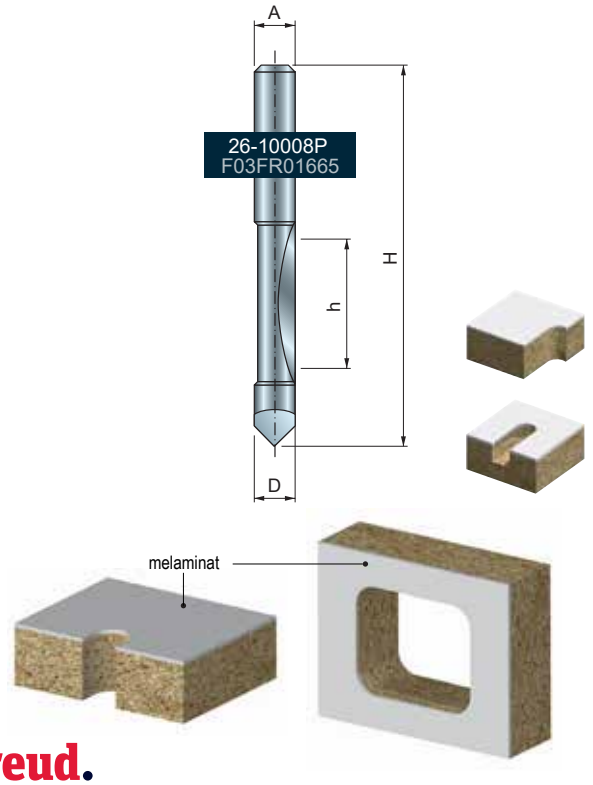
freud.

	D	h	H	A	α	Z	rpm max.	
20-16008P ■	8	8	70	8	60°	1	24000	**169.84**
20-15208P	12,7	12,7	49,2	8	60°	2	24000	**120.98**
20-15408P	12,7	11	57,3	8	60°	3	24000	**266.89**
20-10008P ■	6	6	38,1	8	90°	1	24000	**144.59**
20-10208P	9,5	10	44,5	8	90°	2	24000	**113.77**
20-10408P	12,7	10	44,5	8	90°	2	24000	**116.23**
20-91408P	31,7	16	51	8	90°	2	24000	**204.43**

26-

Freza pentru decupat placata CMS Z1, cu coada

- *material prelucrat: materiale pe baza de lemn, laminate, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



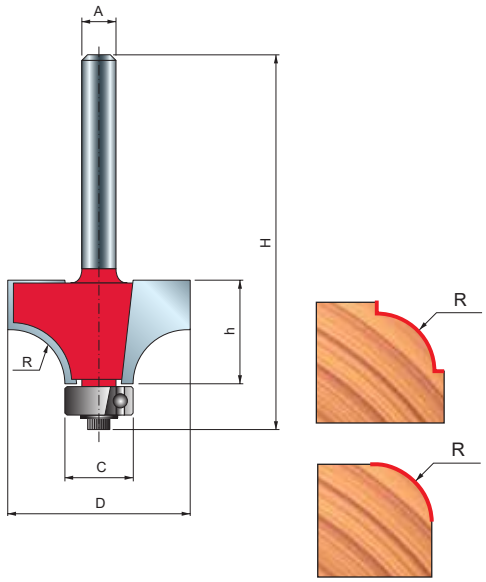
freud.

	D	h	H	A	Z	rpm max.	
26-10008P	8	19	75	8	1	24000	**121.31**

34-

Freza profilata 1/4 concav placata CMS Z-2 cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, laminate, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



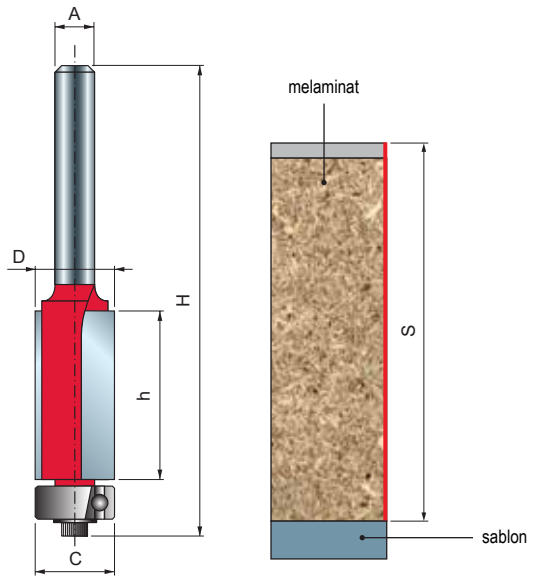
freud.

	D	h	H	A	C	R	Z	rpm max.	
34-10008P	15,8	12,7	54,9	8	12,7	1.6	2	24000	**140.49**
34-10108P	16,7	12,7	54,9	8	12,7	2	2	24000	**143.11**
34-10308P	18,7	12,7	54,9	8	12,7	3	2	24000	**156.23**
34-10408P	19	12,7	55,2	8	12,7	3.2	2	24000	**144.92**
34-10808P	22,2	12,7	54,9	8	12,7	4.8	2	24000	**140.66**
34-11008P	25,4	12,7	55,2	8	12,7	6.35	2	24000	**155.90**
34-11208P	28,6	12,7	55,2	8	12,7	8	2	24000	**162.62**
34-11408P	31,8	17,5	58	8	17,5	9.5	2	24000	**173.77**
34-11608P	38,1	19,05	60,7	8	19,05	12.7	2	24000	**196.23**
34-12708P	44,5	22,2	63,9	8	22,2	15.8	2	24000	**233.28**

42-

Freza de cant placata CMS Z-2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, laminate, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



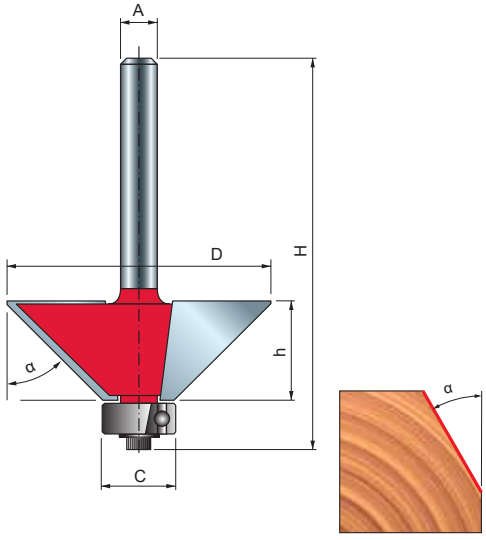
freud.

	D	h	H	A	C	S	Z	rpm max.	
42-10008P	9,5	25,4	71,5	8	9,5	25,4	2	24000	**132.46**
42-11508P	12,7	40	84	8	12,7	40	2	24000	**177.70**

40-

Freza unghiulara placata CMS placata CMS Z-2 cu coada si inel copier inferior

- *material prelucrat: materiale pe baza de lemn, laminate, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



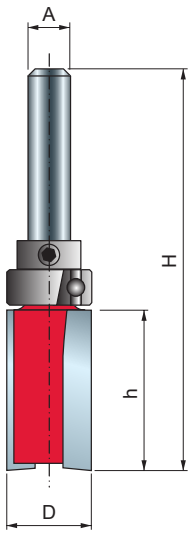
freud.

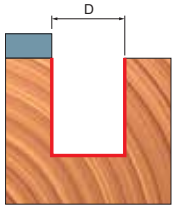
	D	h	H	A	C	α	Z	rpm max.	
40-10208P	23,6	12,7	54,9	8	12,7	25°	2	24000	**145.57**
40-10508P	31	9,5	52	8	12,7	45°	2	24000	**175.90**
40-10408P	33	11,5	54	8	12,7	45°	2	24000	**163.77**
40-10608P	44	18,5	61	8	12,7	45°	2	24000	**206.23**

50-

Freza de cant placata CMS Z-2, cu coada si rulment copier superior

- *material prelucrat: materiale pe baza de lemn, laminate, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*





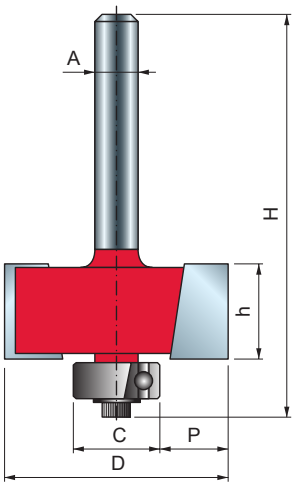
freud.

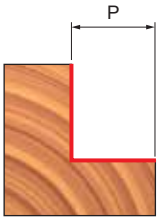
	D	h	H	A	C	Z	rpm max.	
50-10308P	16	20	60	8	16	2	24000	**195.08**
50-10808P	22	20	60	8	22	2	24000	**205.08**

32-

Freza pentru falt, placata CMS Z-2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*





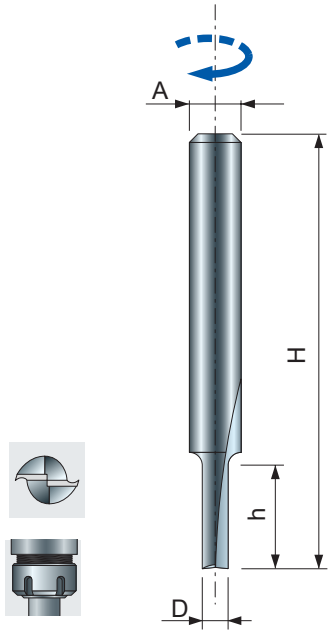
freud.

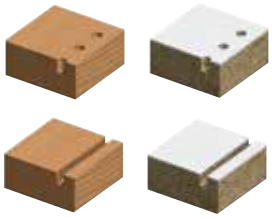
	D	h	H	A	C	P	Z	rpm max.	
32-10008P	31,8	12,7	55,2	8	12,7	9,5	2	24000	**163.44**
32-50008P	34,9	12,7	55,2	8	12,7	11,1	2	24000	**169.18**

R006M-

Freza din carbura solida, cu doua muchii drepte, coada 6 mm

- *material prelucrat: materiale pe baza de lemn, laminate, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*





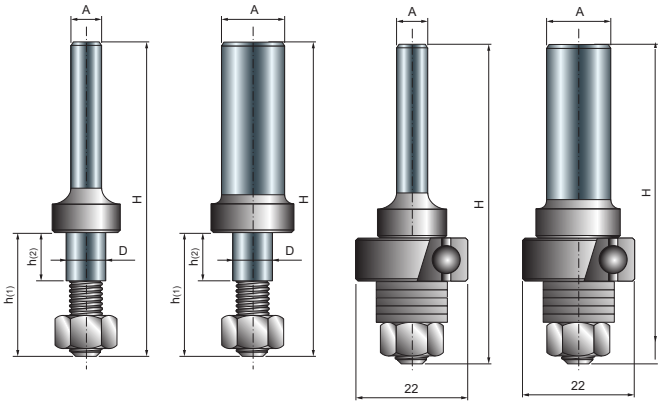
freud.

	D	h	H	A	Z	rpm max.	
R006M03006	3	12	50	6	2	24000	**154.75**
R006M05006	4	12	49	6	2	24000	**154.75**
R006M07406	5	16	51	6	2	24000	**169.84**
R006M10206	6	25	63	6	2	24000	**181.97**

60-

Arbori pentru freze

- *se utilizeaza pe masini de frezat portabile sau stationare*



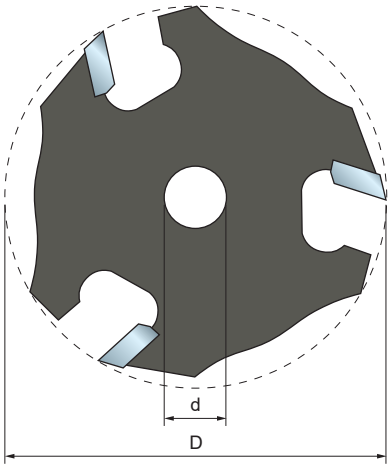
freud.

	D	h1	h2	C	A	
60-12006P	8	25,4	9.9		6	**70.33**
60-10008P	8	25,4	9.9	22	8	**57.05**
60-12008P	8	25,4	9.9		8	**70.33**

56-

Freza uluc placata CMS pentru arbore Z3

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se utilizeaza pe masini de frezat portabile sau stationare*





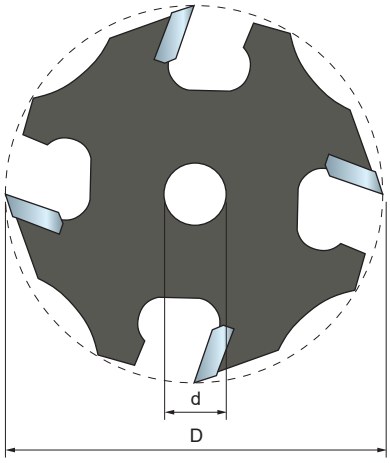
freud.

	D	h	d	Z	rpm max.	
56-09908P	50,8	1,5	8	3	24000	**121.31**
56-10408P	50,8	1,98	8	3	24000	**127.38**
56-11308P	50,8	2,5	8	3	24000	**131.64**
56-11408P	50,8	3	8	3	24000	**115.25**
56-11508P	50,8	3,5	8	3	24000	**118.36**
56-10908P	50,8	3,97	8	3	24000	**121.31**
56-11608P	50,8	5	8	3	24000	**124.43**

58-

Freza uluc placata CMS pentru arbore Z4

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se utilizeaza pe masini de frezat portabile sau stationare*





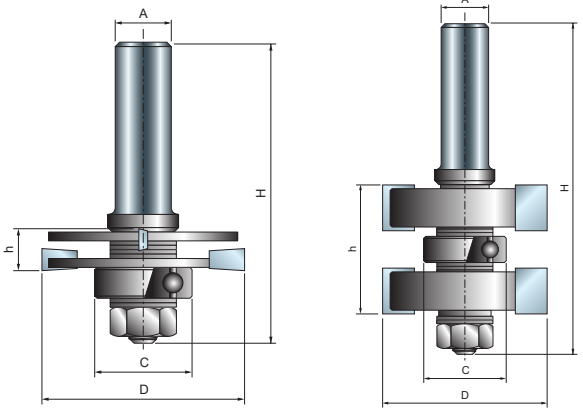
freud.

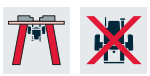
	D	h	d	Z	rpm max.	
58-09908P	50,8	1,5	8	4	24000	**133.44**
58-10408P	50,8	1,98	8	4	24000	**136.56**
58-11308P	50,8	2,5	8	4	24000	**136.56**
58-11408P	50,8	3	8	4	24000	**145.57**
58-11608P	50,8	5	8	4	24000	**151.64**
58-11108P	50,8	5,95	8	4	24000	**142.62**

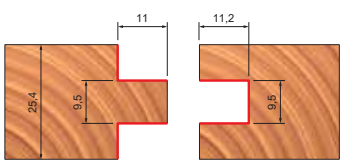
99-

Freza cu coada pentru profil lamba uluc

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se utilizeaza pe masini de frezat cu masa portabile sau stationare*



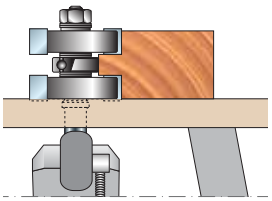




freud.

	D	h	d	A	C	Z	rpm max.	
99-03612P	44	5,5	9,5	12	22	2	24000	**758.20**

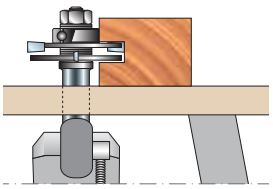
Exemplu de aplicatie
E



CONTRAPROFIL

Contraprofil	Spatiu necesar piese	Spatiu necesar distantier	Profil
5,5	-	-	5,5
6	1	0,5 mm	6
6,35	1	0,5 mm	6,35
	1	0,2 mm	
	1	0,15 mm	
6,75	1	1 mm	6,75
	1	0,15 mm	
	1	0,10 mm	
7,15	1	1 mm	7,15
	1	0,5 mm	
	1	0,15 mm	
7,55	1	1 mm	7,55
	1	0,5 mm	
	2	0,2 mm	
	1	0,15 mm	

Exemplu de aplicatie



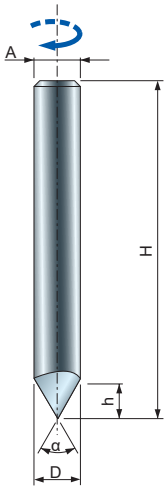
PROFIL

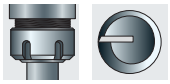
Contraprofil	Spatiu necesar piese	Spatiu necesar distantier	Profil
7,95	2	1 mm	7,95
	2	0,2 mm	
	1	0,15 mm	
	1	0,10 mm	
8,35	3	1 mm	8,35
	1	0,15 mm	
	1	0,10 mm	
8,75	3	1 mm	8,75
	1	0,15 mm	
	1	0,10 mm	
9,15	3	1 mm	9,15
	1	0,5 mm	
	1	0,15 mm	
9,5	3	1 mm	9,5
	1	0,5 mm	
	1	0,15 mm	

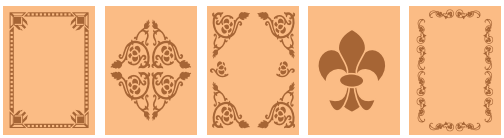
58-

Freza din carbura solida pentru sculptura

• *se utilizeaza pe masini de frezat portabile*







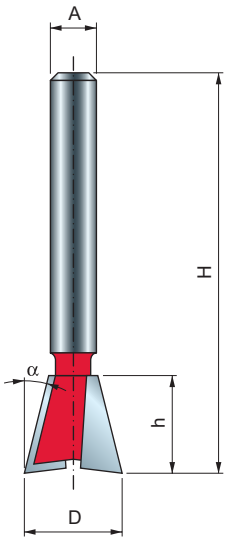
freud.

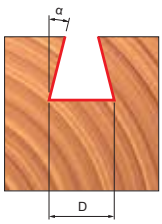
	D	h	H	A	α	Z	rpm max.	
PI01MD6083	8	6	70	8	25°	1	30000	**485.25**

22-

Freza profilata coada de randunica, placata CMS, Z2, cu coada

• *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
• *se utilizeaza pe masini de frezat portabile sau stationare cu masa*
• *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*





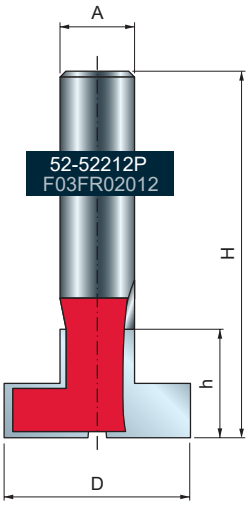
freud.

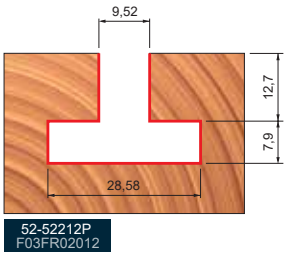
	D	h	H	A	α	Z	rpm max.	
22-10208P	9,5	9,5	47,6	8	9°	2	24000	**106.72**
22-10408P	12,7	12,7	47,5	8	14°	2	24000	**110.33**
22-10508P	15,8	22,2	54,2	8	7°	2	24000	**132.46**
22-10608P	19	22,2	54,2	8	7°	2	24000	**136.72**

52-

Freza profilata pentru canale T, placata CMS, Z2, cu coada

• *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
• *se utilizeaza pe masini de frezat portabile sau stationare cu masa*





52-52212P
F03FR02012

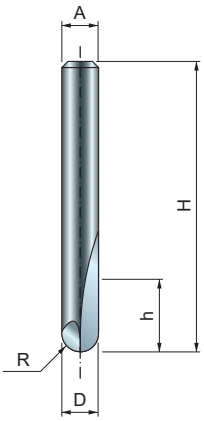
freud.

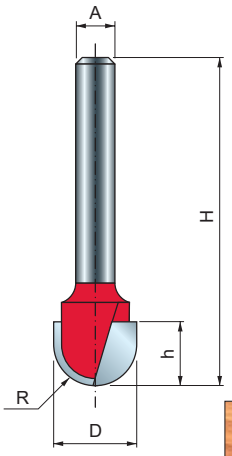
	D	h	H	A	Z	rpm max.	
52-52212P	28,58	20,6	63,5	12	2	24000	**242.62**

18-

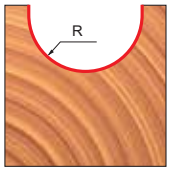
Freza cilindro-frontala profilata convex 1/2C, placata CMS, Z2, cu coada

• *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
• *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat*
• *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*





■ **Carbura solida**



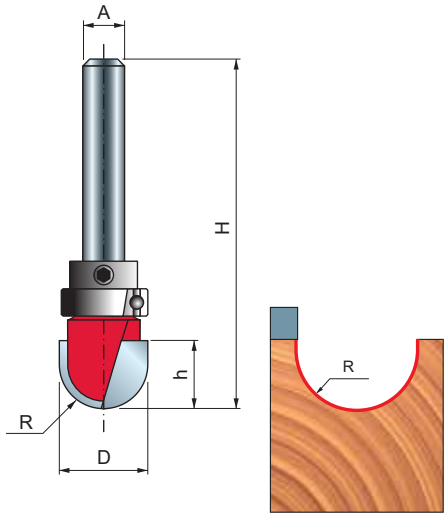
freud.

	D	h	H	A	R	Z	rpm max.	
18-10008P ■	3,2	9,5	50,5	8	1,6	2	24000	**173.77**
18-10208P ■	4,8	9,5	50,5	8	2,4	2	24000	**173.77**
18-10408P ■	6	12,7	50,8	8	3	2	24000	**176.89**
18-10608P	9,5	9	46	8	4,8	2	24000	**107.05**
18-10808P	12	9	46	8	6	2	24000	**112.30**
18-11008P	15,8	11	50,8	8	8	2	24000	**118.36**
18-11208P	19	11	50,8	8	9,5	2	24000	**128.85**

18-

Freza cilindro-frontala profilata convex 1/2C, cu rulment superior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



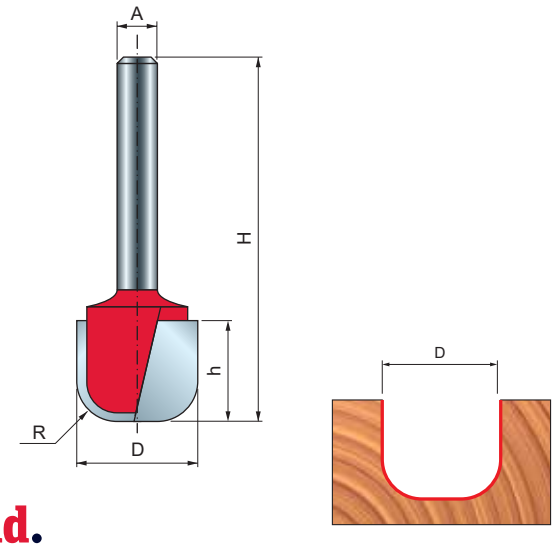
freud.

	D	h	H	A	C	Z	rpm max.	
18-51008P	15,8	11	59,5	8	15,8	2	24000	**192.30**
18-51208P	19	11,1	59,5	8	19	2	24000	**192.30**

19-

Freza cilindro-frontala cu profil cupa, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



freud.

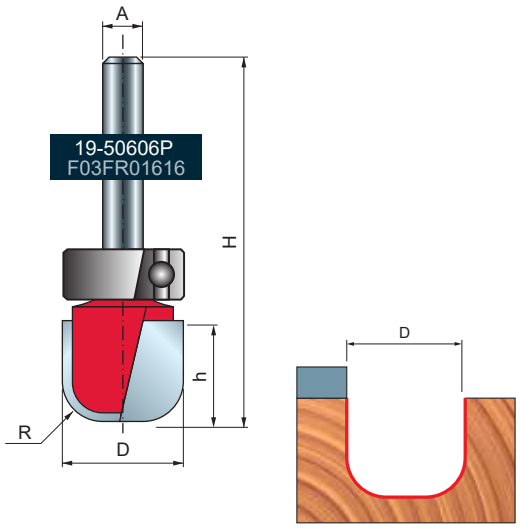
	D	h	H	A	R	Z	rpm max.	
19-10608P	19	15,9	47,5	8	6,35	2	24000	**191.97**



19-

Freza cilindro-frontala cu profil cupa, cu rulment superior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



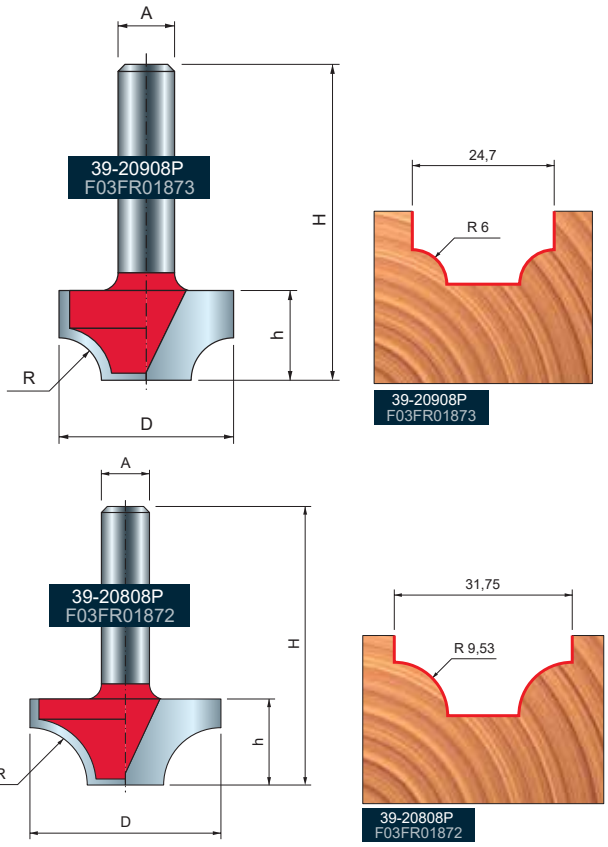
freud.

	D	h	H	A	C	R	Z	rpm max.	
19-50606P	19	15,9	58,7	6	19	6,35	2	24000	**218.36**

39-

Freza profilata frontal placata CMS Z-2, cu coada

- *pentru materiale compozite, placaj, lemn de esenta tare si rasinoase*
- *utilizare pe masini masini de frezat portabile*
- *folositi mai multe treceri atunci cand eliminati cantitati mari de material*



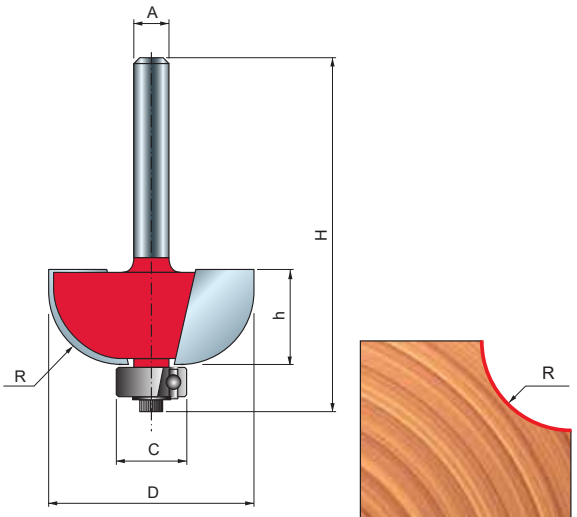
freud.

	D	h	H	A	R	Z	rpm max.	
39-20908P	24,7	12,7	44,7	8	6	2	24000	**191.97**
39-20808P	31,75	14,3	46,3	8	9,53	2	24000	**208.03**
39-20206P	12,7	8	50	6	3,2	2	24000	**155.90**

30-

Freza cu coada, profilata convex 1/2C, placata CMS, cu rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat*



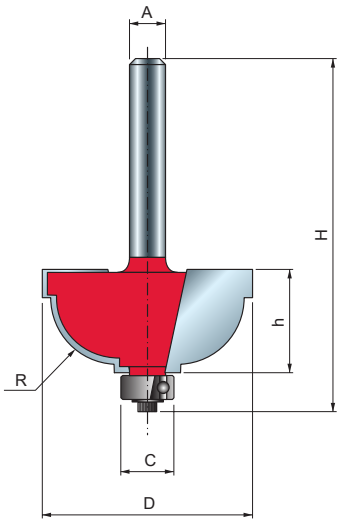
freud.

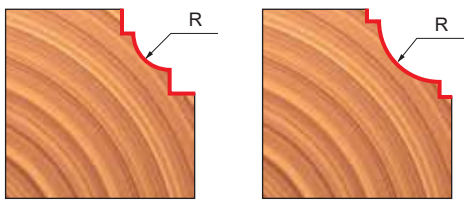
	D	h	H	A	C	R	Z	rpm max.	
30-10008P	19	12,7	54,2	8	9,5	4,8	2	24000	**168.69**
30-10208P	22,2	12,7	54,2	8	9,5	6,35	2	24000	**152.79**
30-10308P	25,4	12,7	54,2	8	9,5	8	2	24000	**186.23**
30-10408P	31,8	12,7	55,2	8	12,7	9,5	2	24000	**186.23**
30-10608P	38,1	16,4	58,3	8	12,7	12,7	2	24000	**191.97**

30-

Freza cu coada, profilata convex 1/2C cu tesire, placata CMS, cu rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat*





Cu rulment de ø 9,5 mm | Cu rulment de ø 12,7 mm

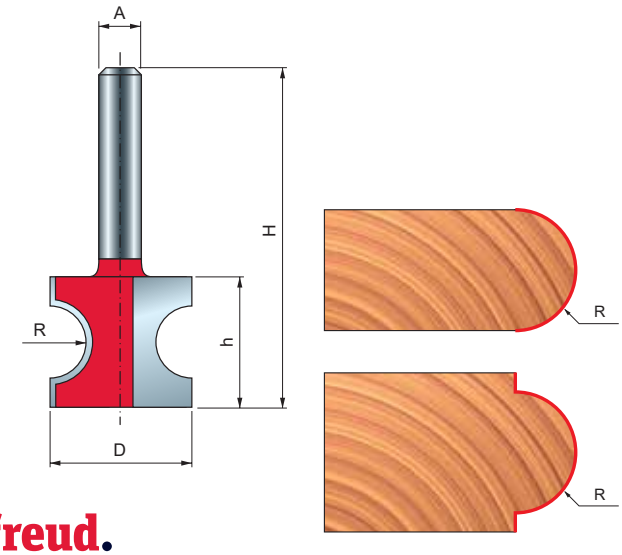
freud.

	D	h	H	A	C	R	Z	rpm max.	
30-30408P	28,6	12,7	54,2	8	9,5	4,8	2	24000	**180.49**
30-20208P	31,8	15,1	56,6	8	9,5	8	2	22000	**205.90**

82-

Freza profilata 1/2 concav, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat cu sau fara masa*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



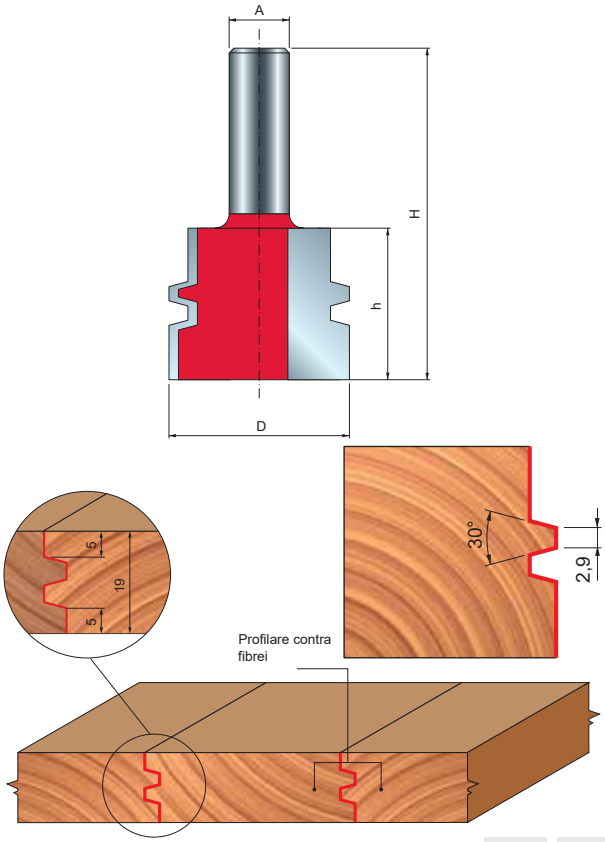
freud.

	D	h	H	A	R	Z	rpm max.	
82-10208P	19	12,4	44,7	8	3,2	2	24000	**154.75**
82-10408P	22,2	19,5	51	8	4,8	2	24000	**183.44**
82-10608P	25,4	22,9	55	8	6,35	2	24000	**189.84**

99-

Freza profilata pentru imbinari cu un dinte, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



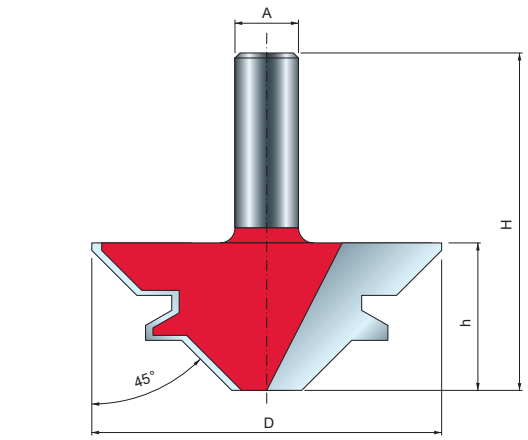
freud.

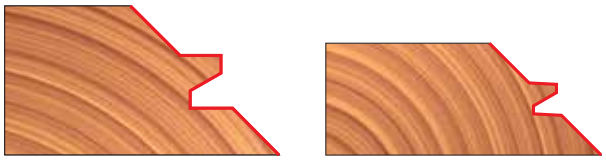
	D	h	H	A	Z	rpm max.	
99-03112P	38	32	70	12	2	24000	**294.26**

99-

Freza profilata pentru imbinari la 45°, cu un dinte, placata CMS, Z-2 cu coada

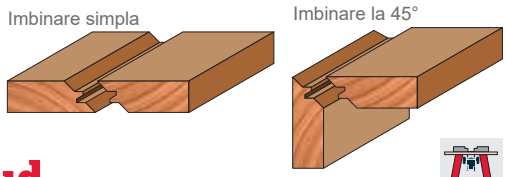
- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*





99-03412P
F03FR02424

99-03512P
F03FR02425



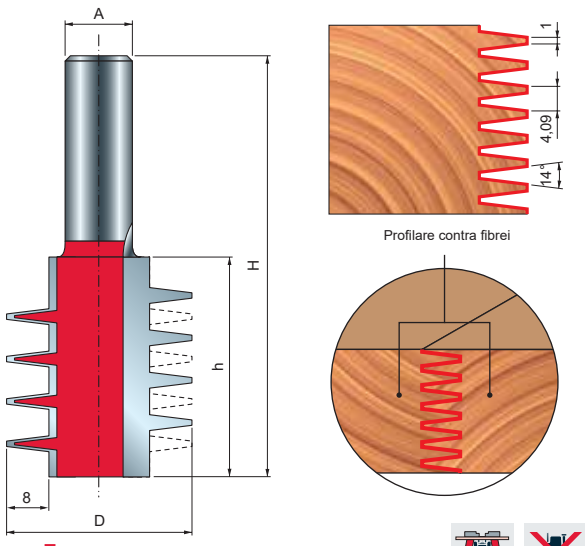
freud.

	D	h	H	A	α	Z	rpm max.	
99-03512P	55	23	61	12	45°	2	24.000	**411.31**
99-03412P	70	29,5	67,5	12	45°	2	16.000	**576.23**

99-

Freza profilata pentru imbinari in dinti, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



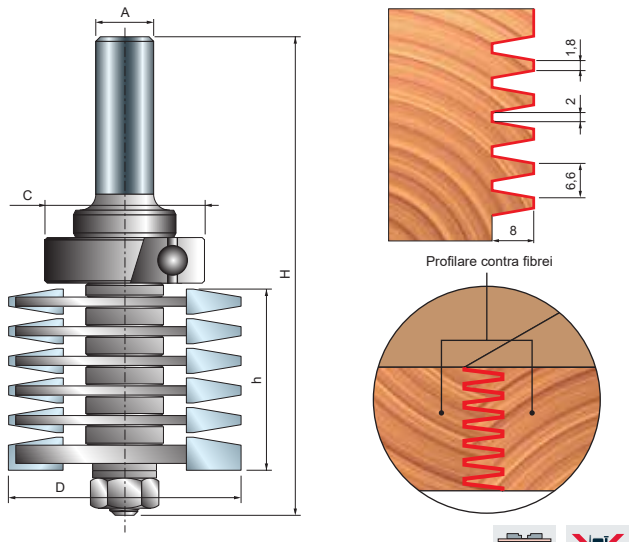
freud.

	D	h	H	A	Z	rpm max.	
99-03712P	35	41,5	78	12	2	24000	**520.98**

99-

Freza profilata pentru imbinari in dinti cu umar, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



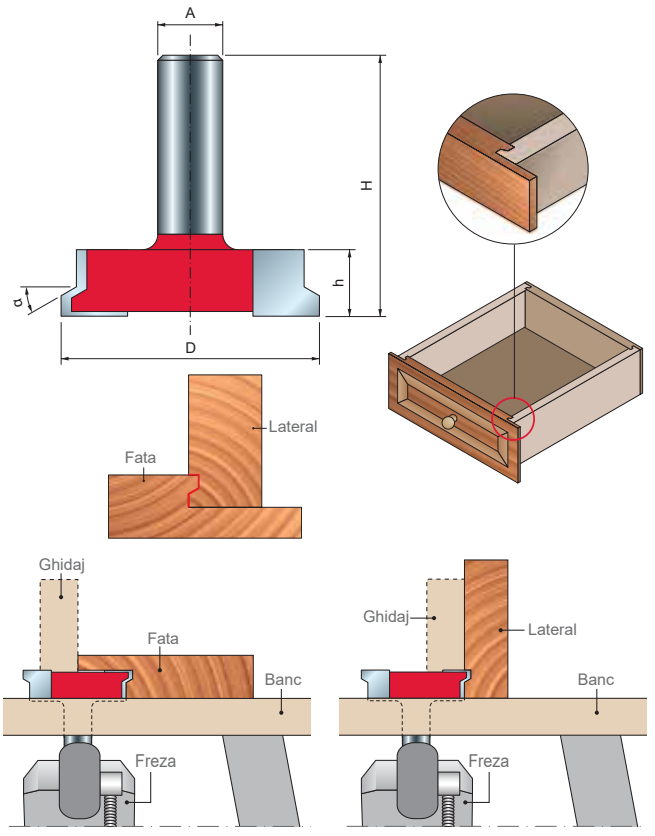
freud.

	D	h	H	A	C	Z	rpm max.	
99-03912P	50,8	45,2	108	12	35	2	24000	**852.30**

99-

Freza profilata pentru sertare, placata CMS, Z2, cu coada

- *freza profilata pentru imbinarea frontului de sertar cu lateralele acestuia, cu ajutorul unui ghidaj*
- *material prelucrat: materiale pe baza de lemn, lemn masiv*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



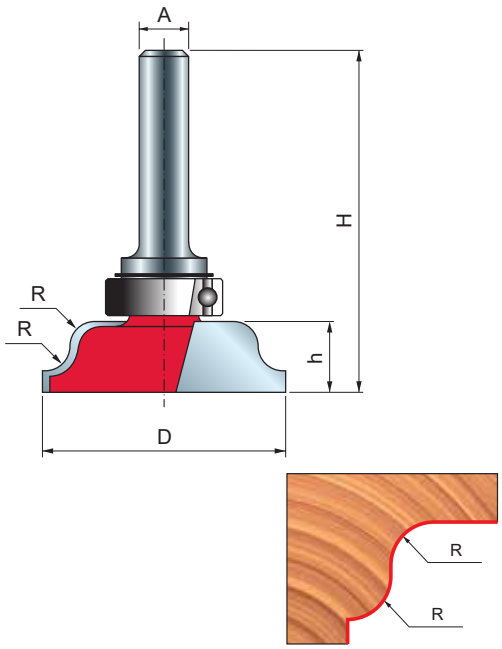
freud.

	D	h	H	A	α	Z	rpm max.	
99-24012P	50,5	13	51	12	30°	2	24.000	**287.54**

23-

Freza profilata sinusoidal, cu rulment copier superior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat cu sau fara masa*



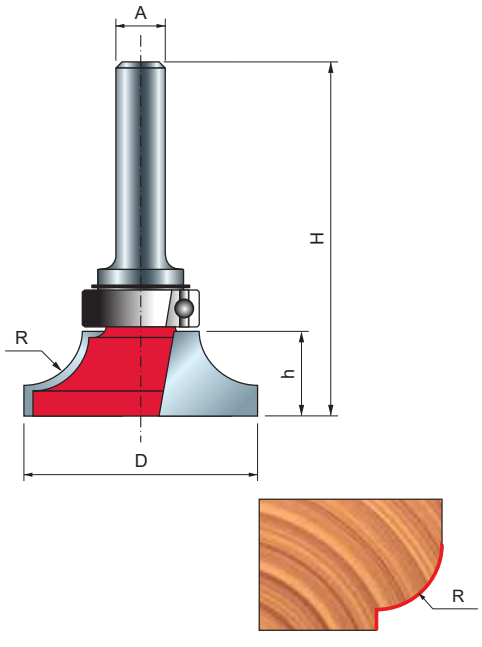
freud.

	D	h	H	A	C	R	Z	rpm max.	
23-10008P	39,5	11,5	54,6	8	19	4	2	24000	**254.43**

23-

Freza profilata concav 1/4 C, cu rulment copier superior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat cu sau fara masa*



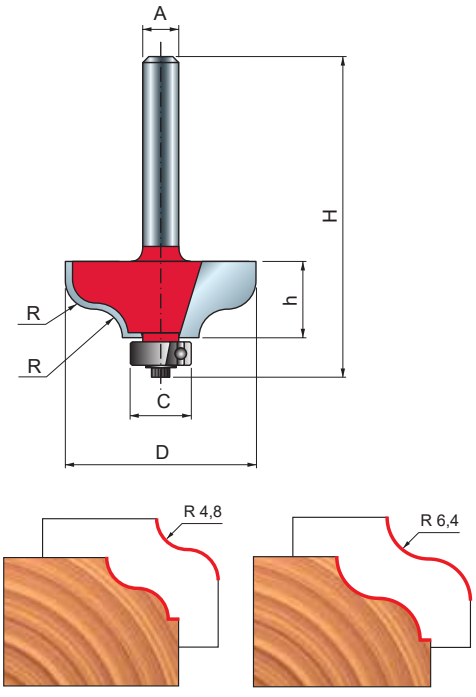
freud.

	D	h	H	A	C	R	Z	rpm max.	
23-20008P	38	12,5	55,6	8	19	6,35	2	24000	**253.61**
23-20208P	35	13,2	56,3	8	19	8	2	24000	**245.90**
23-20408P	38	14,5	57,6	8	19	9,5	2	24000	**261.48**

38-

Freza profilata sinusoidal, cu tesire jos, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*



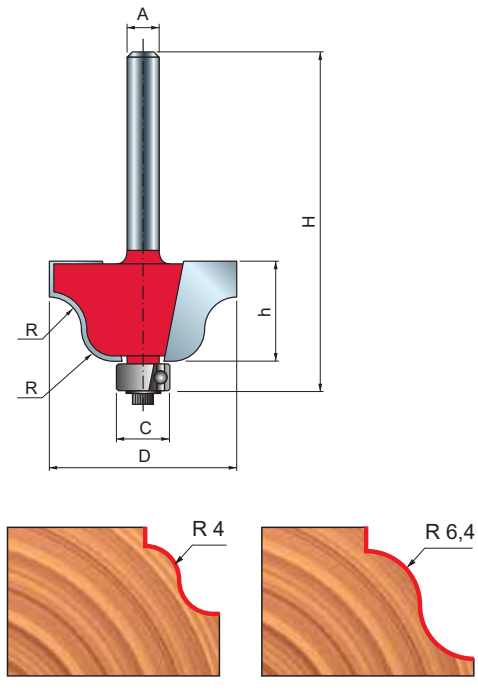
freud.

	D	h	H	A	C	R	Z	rpm max.	
38-20208P	31,8	12,7	54,2	8	9,5	4,8	2	24000	**189.02**
38-20408P	38,1	15,7	57,4	8	9,5	6,4	2	24000	**235.57**

38-

Freza profilata sinusoidal, cu tesire sus, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*



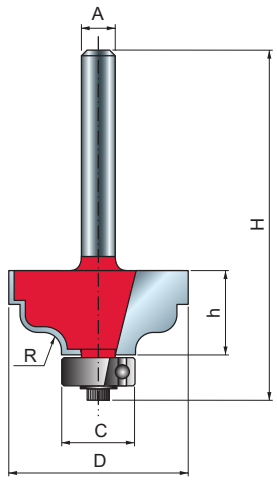
freud.

	D	h	H	A	C	R	Z	rpm max.	
38-10008P	27	13,3	54,7	8	9,5	4	2	24000	**167.05**
38-10208P	35	18,5	60,5	8	9,5	6,4	2	24000	**189.18**

38-

Freza profilata concav convex, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*





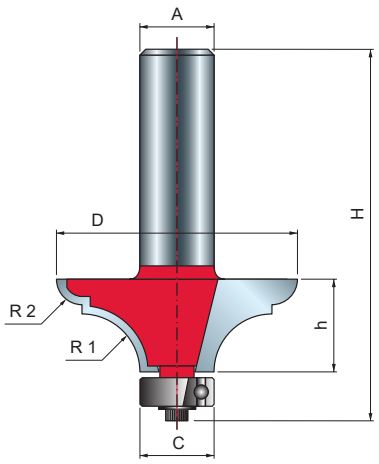
freud.

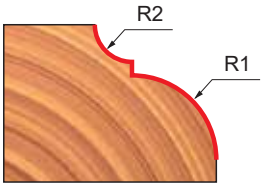
	D	h	H	A	C	R	Z	rpm max.	
38-40208P	31,8	15	56,7	8	12,7	3,2	2	24000	**196.56**

99-

Freza profilat pentru blat masa, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*





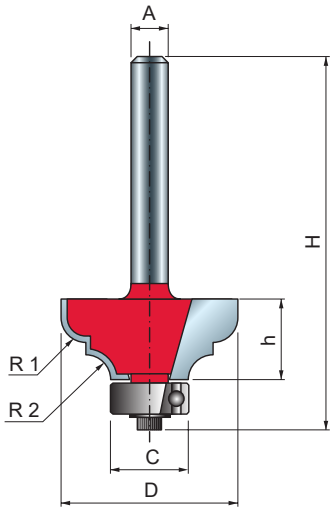
freud.

	D	h	H	A	C	R1	R2	rpm max.	
99-01108P	41,3	15,9	63,5	8	12,7	9,9	4,4	24000	**234.10**

38-

Freza profilata concav convex, cu tesire intre ele, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*





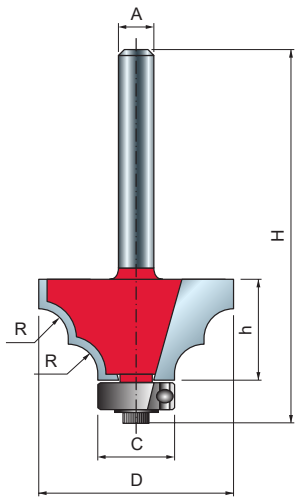
freud.

	D	h	H	A	C	R1	R2	rpm max.	
38-60208P	28,6	12,7	54,7	8	12,7	4	4	24000	**184.10**
38-60408P	34,9	18,3	60,3	8	12,7	6,4	4,8	24000	**233.77**

38-

Freza profilata concav concav, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*





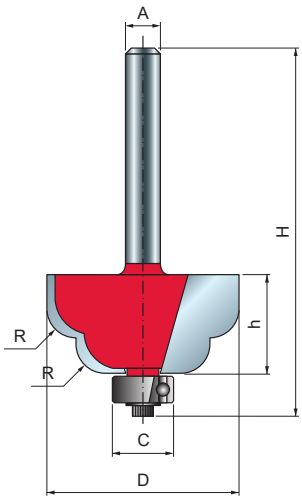
freud.

	D	h	H	A	C	R	Z	rpm max.	
38-90008P	32,7	15	57,2	8	12,7	5	2	24000	**229.51**

38-

Freza profilata convex convex, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*





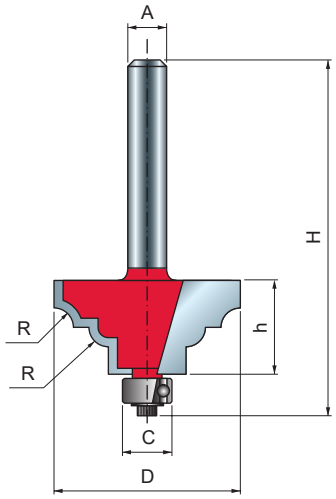
freud.

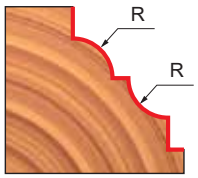
	D	h	H	A	C	R	Z	rpm max.	
38-95008P	32,7	15	57,2	8	12,7	5	2	24000	**224.43**

38-

Freza profilata complex, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*





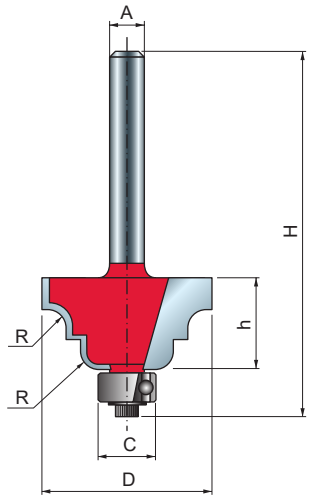
freud.

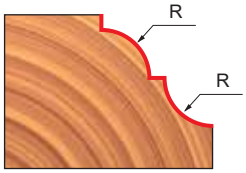
	D	h	H	A	C	R	Z	rpm max.	
38-80408P	40,7	18	60,2	8	12,7	5	2	24000	**272.95**

38-

Freza profilata concav convex, cu tesire intre ele, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*





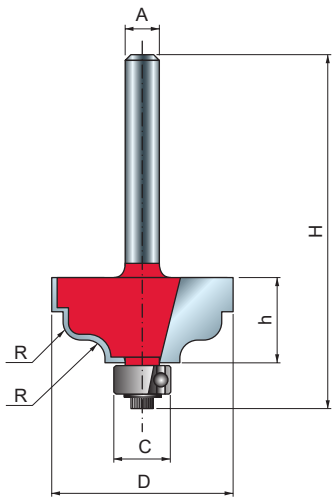
freud.

	D	h	H	A	C	R	Z	rpm max.	
38-30608P	29,4	13,5	55,5	8	9,5	4	2	24000	**199.84**
38-30408P	38,9	18,3	60,3	8	9,5	6,4	2	24000	**248.36**

38-

Freza profilata sinusoidal, cu tesire sus si jos, cu rulment copier inferior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*





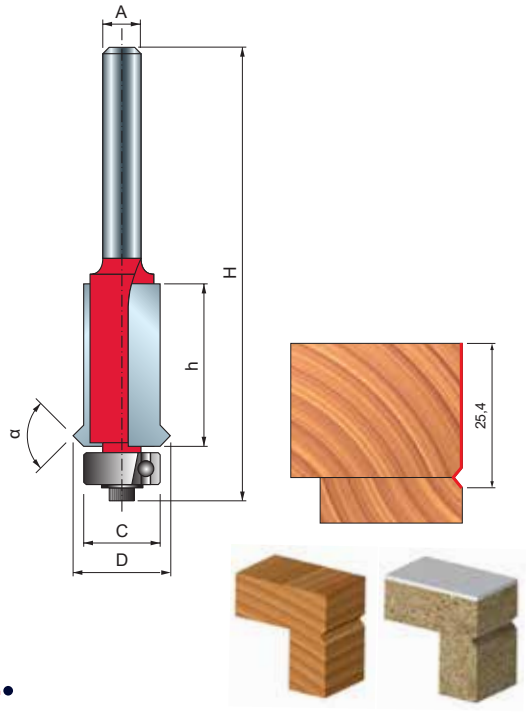
freud.

	D	h	H	A	C	R	Z	rpm max.	
38-45208P	31,8	15	56,8	8	9,5	3,2	2	24000	**202.30**

48-

Freza profilata in V placata CMS Z-2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, laminate, placaj, lemn masiv.*
- *se pot utiliza pe masini portabile de frezat*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



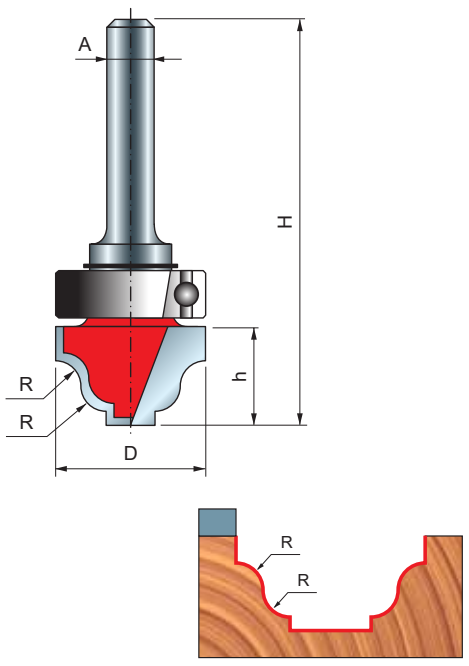
freud.

	D	h	H	A	C	α	Z	rpm max.	
48-10208P	15,8	25,4	71,5	8	12,7	90°	2	24000	**163.77**

39-

Freza cilindro frontala profilata sinusoidal, cu tesire sus, cu rulment copier superior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv*
- *se pot utiliza pe masini portabile de frezat cu sau fara masa*



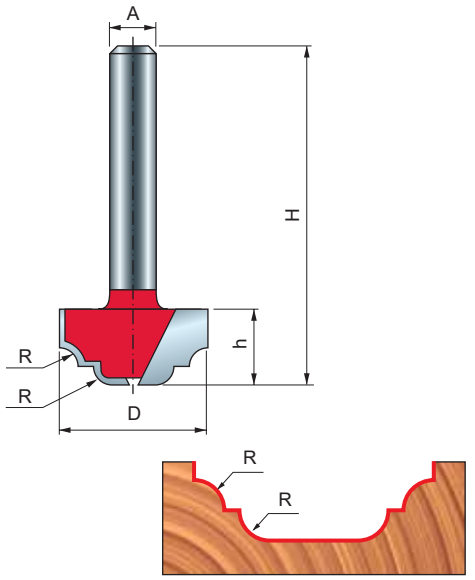
freud.

	D	h	H	A	C	R	Z	rpm max.	
39-52808P	28	14	56,8	8	28	4	2	24000	**227.54**

39-

Freza cilindro frontala profilata complex, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat cu sau fara masa*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



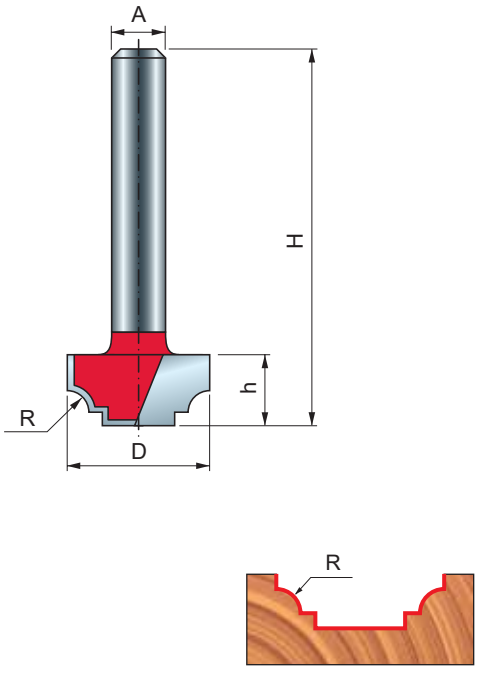
freud.

	D	h	H	A	R	Z	rpm max.	
39-10208P	25,4	12,7	44,7	8	3,2	2	24000	**169.84**
39-11408P	31,8	12,7	44,7	8	4	2	24000	**201.15**

39-

Freza cilindro frontala profilata complex, placata CMS, Z2, cu coada

- *pentru materiale compozite, placaj, lemn de esenta tare si rasinoase*
- *utilizare pe masini masini de frezat portabile*
- *folositi mai multe treceri atunci cand eliminati cantitati mari de material*



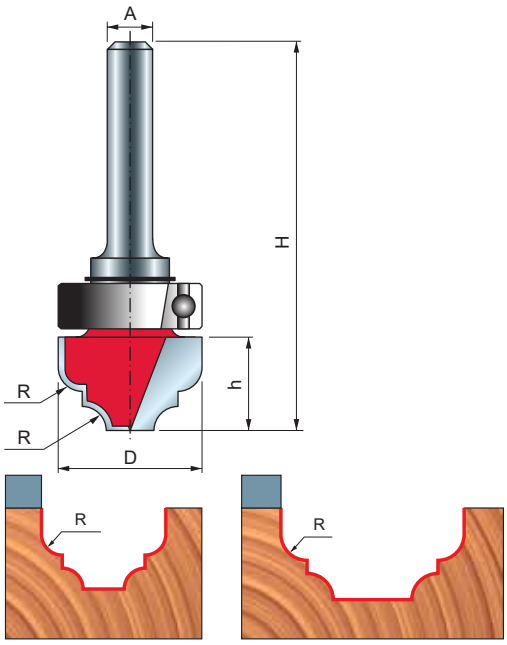
freud.

	D	h	H	A	R	Z	rpm max.	
39-30408P	15,8	9,5	41,5	8	2,4	2	24000	**145.25**
39-30608P	22,2	12	44	8	3,2	2	24000	**174.75**

39-

Freza cilindro frontala profilata concav convex cu tesire intre ele, cu rulment copier superior, placata CMS, Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, placaj, lemn masiv.*
- *se pot utiliza atat pe CNC, cat si pe masini portabile de frezat cu sau fara masa*
- *pentru adancimi de frezare mari, se recomanda trecerile multiple prin material*



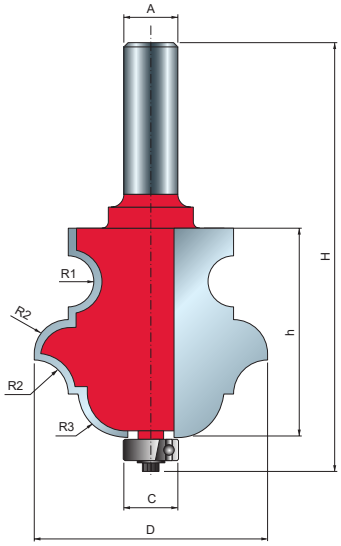
freud.

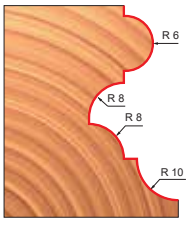
	D	h	H	A	C	R	Z	rpm max.	
39-53808P	28	14	56,8	8	28	4	2	24000	**227.54**

99-

Freza multiprofil, placata CMS Z2, cu coada si rulment copier inferior

- *pentru materiale compozite, placaj, lemn de esenta tare si rasinoase*
- *utilizare pe masini masini de frezat portabile*
- *folositi mai multe treceri atunci cand eliminati cantitati mari de material*





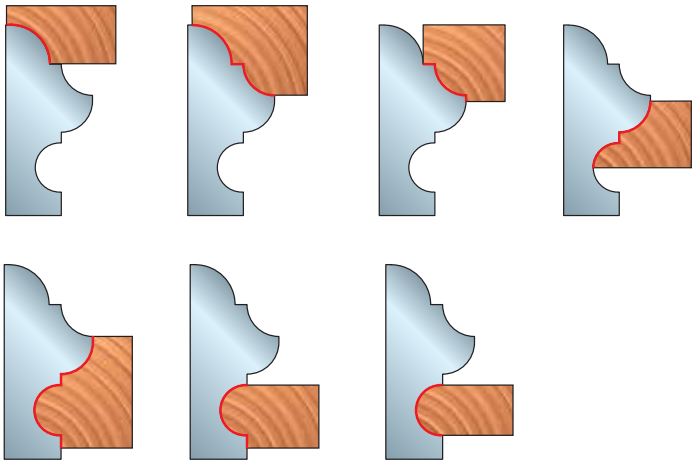


freud.

	D	h	H	A	C		Z	rpm max.	
99-PK112P	54,7	49	102	12	12,7		2	10000	**576.23**

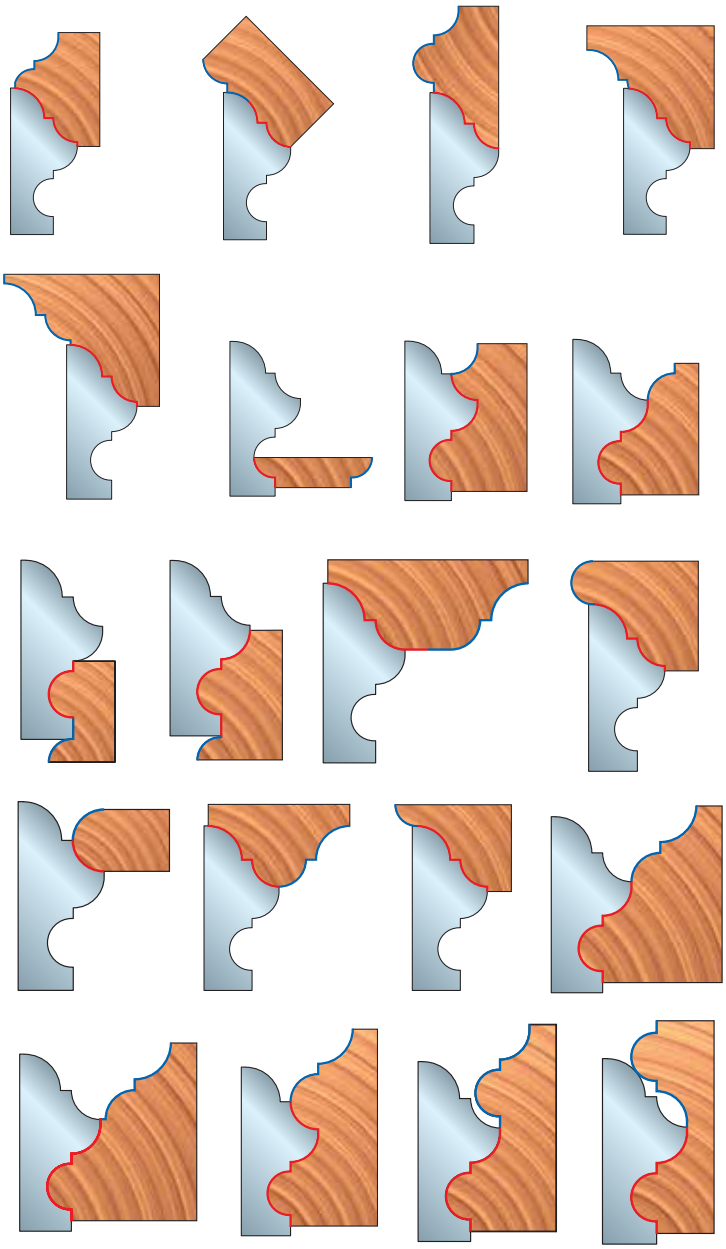
Exemple de profiluri care pot fi realizate cu o singura trecere

Aceste profile standard pot fi realizate intr-o singura trecere folosind freza multiprofil 99-PK112.



Exemple de profiluri care pot fi realizate cu doua treceri

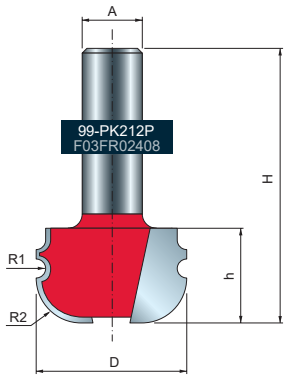
Aceste profile standard pot fi realizate din doua treceri folosind freza multiprofil 99-PK112.

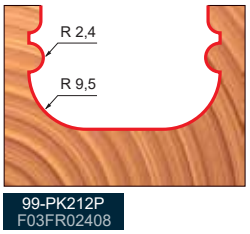


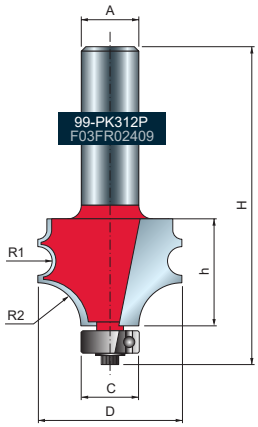
99-

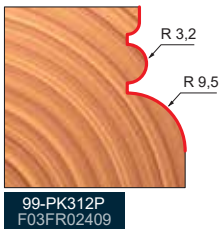
Freza cu coada, pentru ornamente, placata CMS Z2, cu coada

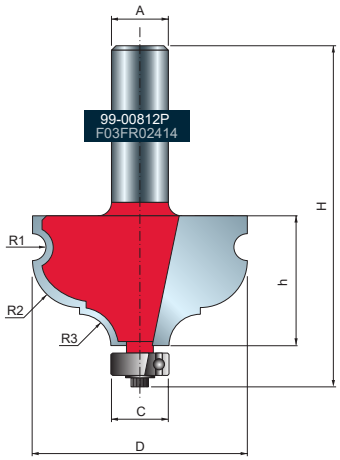
- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*

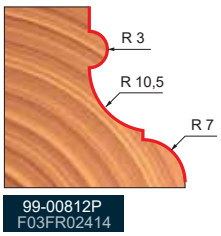












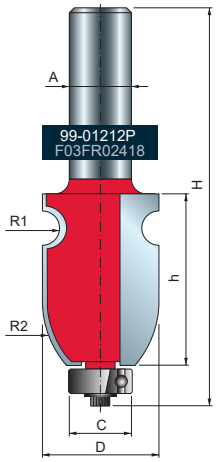
freud.

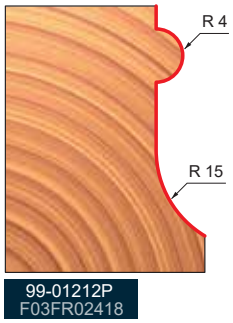
	D	h	H	A	C	Z	rpm max.	
99-PK212P	31,8	20	58	12	-	2	24000	**297.21**
99-PK312P	31,8	23,8	72	12	12,7	2	24000	**315.41**
99-00812P	44,4	28,6	77,1	12	12,7	2	24000	**382.79**

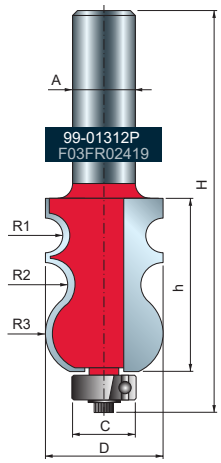
99-

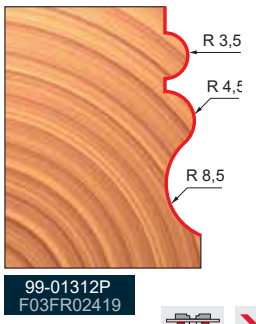
Freza cu coada, pentru ornamente, placata CMS Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*









freud.

	D	h	H	A	C	Z	rpm max.	
99-01212P	23,8	35	83,5	12	12,7	2	24000	**307.54**
99-01312P	23,8	35	83,5	12	12,7	2	24000	**307.54**



Freud: Lider in industria prelucrarii lemnului de peste 50 de ani.

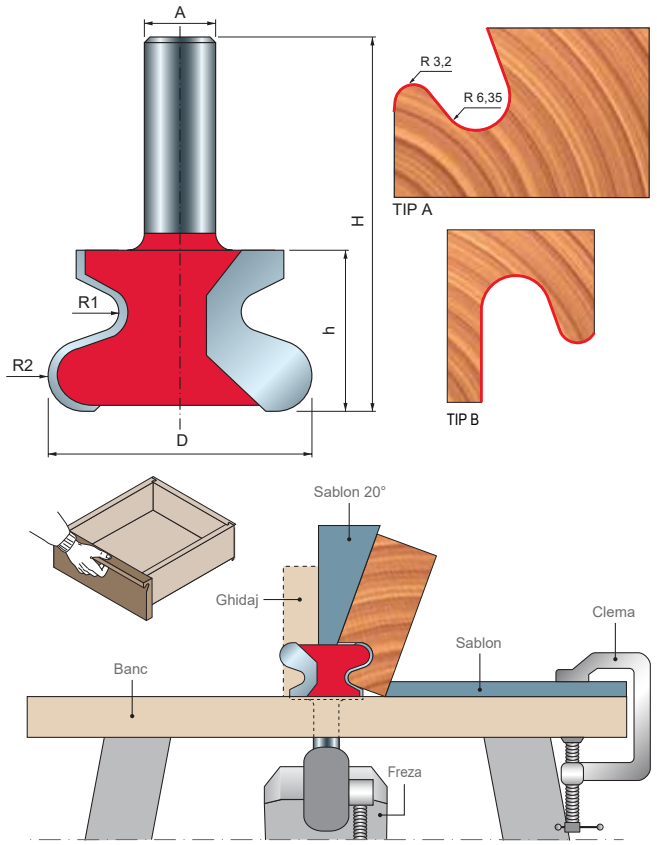
- Performantele de top ale frezelor cu coada marca Freud sunt rezultatul a doi factori: calitatea inalta si durata de viata.
- Compania Freud utilizeaza in procesul de productie cele mai bune materii prime, utilizant cele mai noi si sofisticate procese de productie.
- Fara reparatii, fara rupere, fara marcaje, fara presiune pe masina:

atunci cand sunteti in cautarea unei freze cu coada performante, cautati Freud

99-

Freza pentru profil maner sertare mobilier, placata CMS Z2, cu coada

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



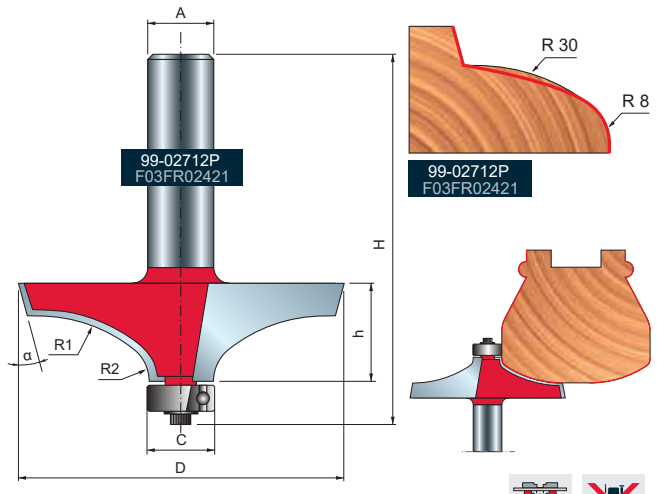
freud.

	D	h	H	A	Z	rpm max.	
99-00712P	47	28,7	66,7	12	2	24000	**405.25**

99-

Freza cu profil concav pentru rotunjit, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



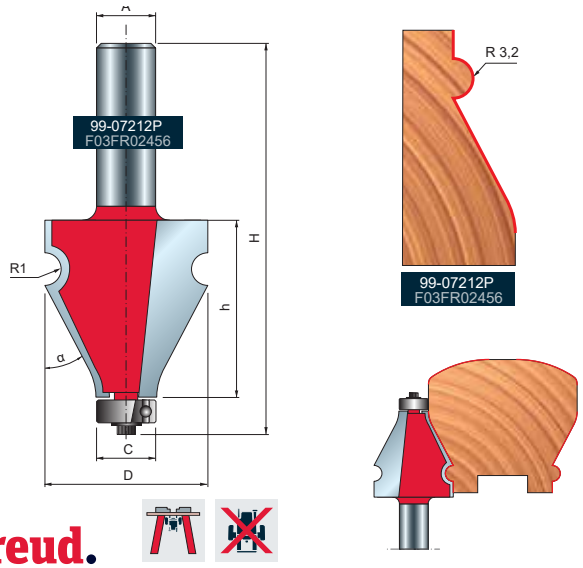
freud.

	D	h	H	A	C	α	Z	rpm max.	
99-02712P	63,5	19	66,2	12	12,7	15°	2	22000	**456.72**

99-

Freza profilata pentru mana curenta, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



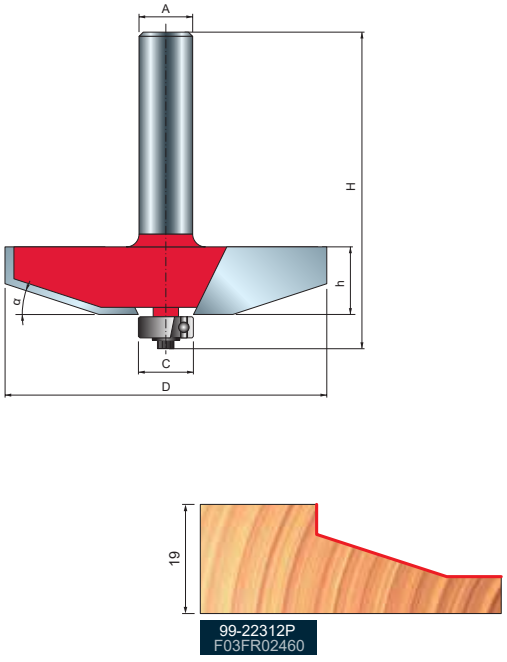
freud.

	D	h	H	A	C	α	Z	rpm max.	
99-07212P	35	38,5	86,6	12	12,7	25°	2	24000	**382.79**

99-

Freza pentru tablii, profil drept, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



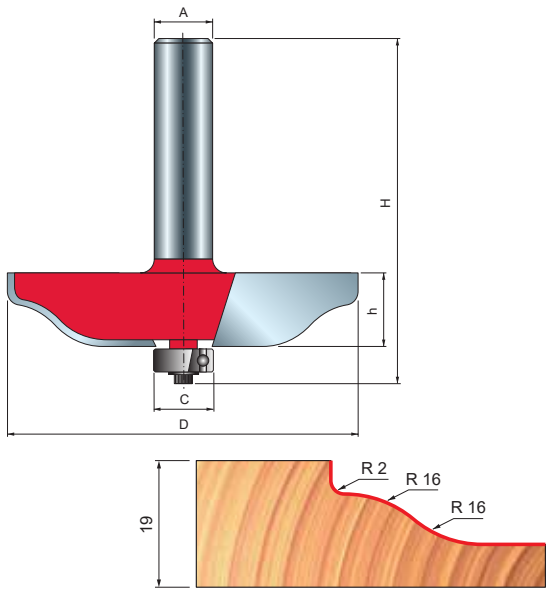
freud.

	D	h	H	A	C	α	Z	rpm max.	
99-22312P	76,2	16	64,7	12	12,7	18°	2	18000	**550.16**

99-

Freza pentru tablii, profil sinusoidal, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



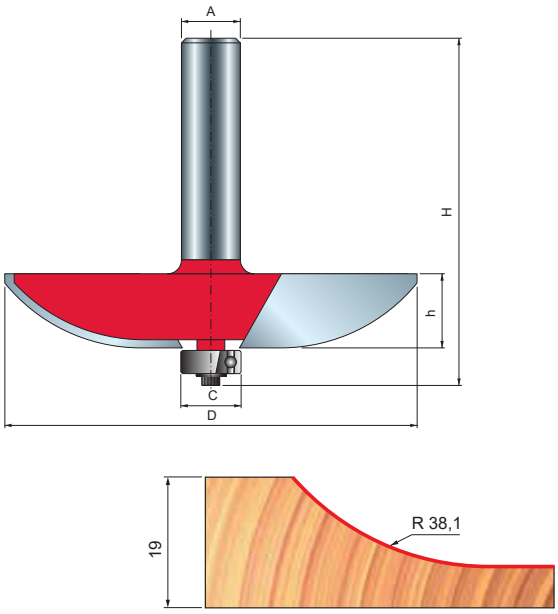
freud.

	D	h	H	A	C	R1	R2	Z	rpm max.	
99-22112P	76,2	16	64,7	12	12,7	2	16	2	18000	**550.16**

99-

Freza pentru tablii, profil convex, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



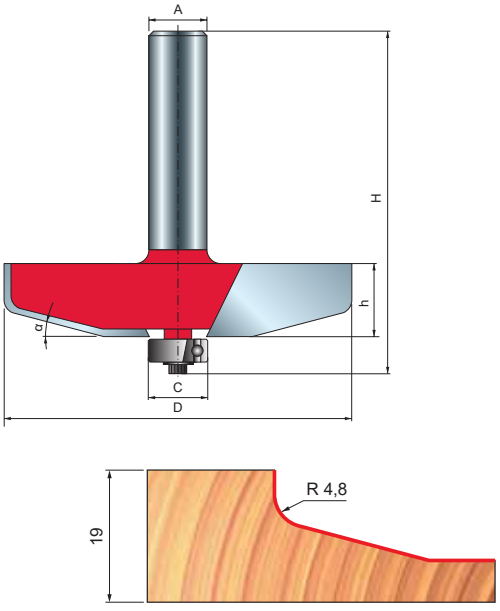
freud.

	D	h	H	A	C	α	R	Z	rpm max.	
99-22512P	76,2	16	64,7	12	12,7	15°	4,8	2	18000	**536.89**

99-

Freza pentru tablii, profil drept cu unghiuri rotunjite, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



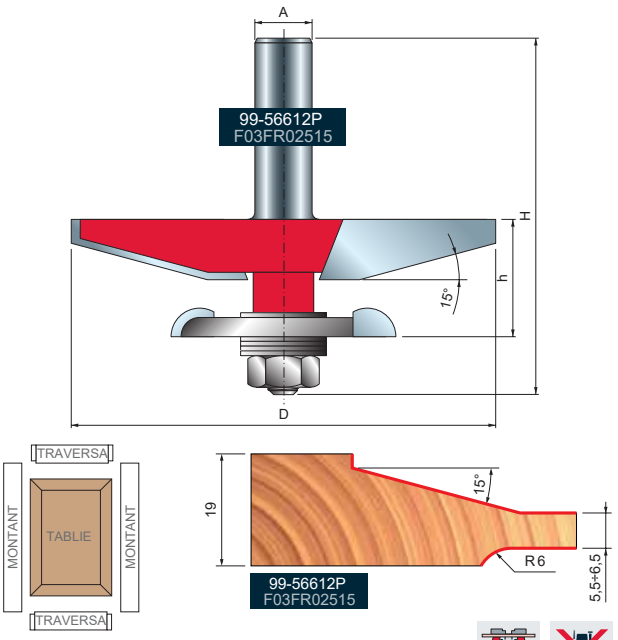
freud.

	D	h	H	A	C	α	R	Z	rpm max.	
99-22412P	76,2	16	64,7	12	12,7	18°	4,8	2	18000	**562.95**

99-

Freza pentru tablii, profil drept, pentru frezare ambele parti, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



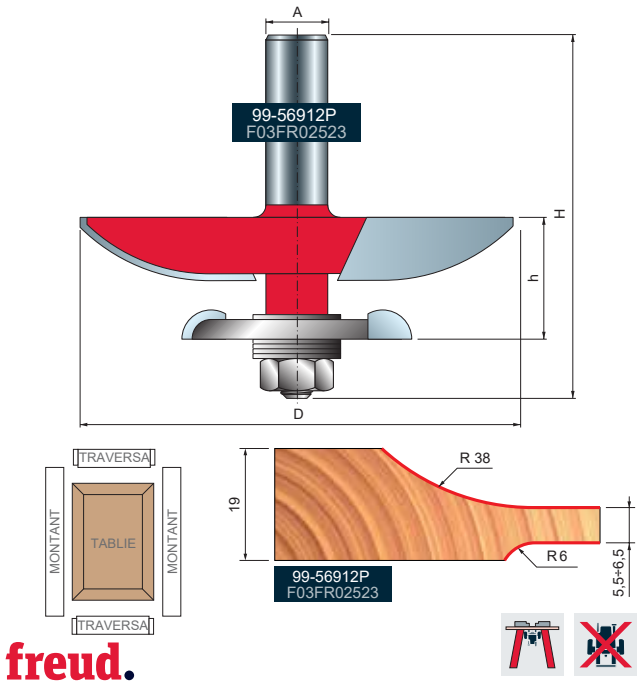
freud.

	D	h	H	A	R1	R2	Z	rpm max.	
99-56612P	89	25	75	12	-	6	2	14000	**849.18**

99-

Freza pentru tablii, profil convex, pentru frezare ambele parti, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



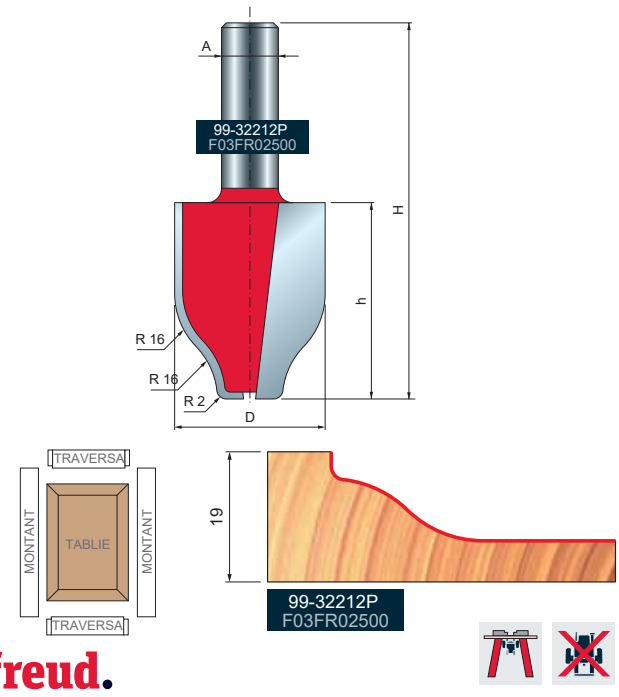
freud.

	D	h	H	A	R1	R2	Z	rpm max.	
99-56912P	89	25	75	12	38	6	2	14000	**849.18**

99-

Freza pentru tablii, profil sinusoidal vertical, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



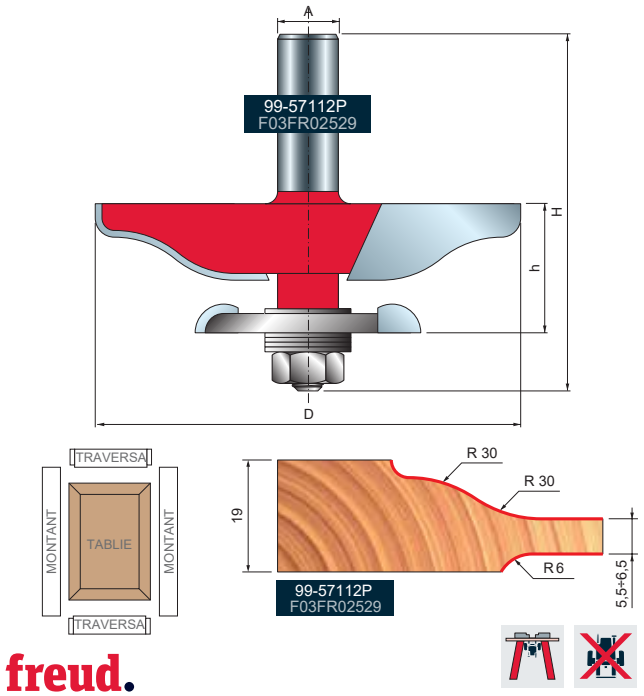
freud.

	D	h	H	A	α	R1	Z	rpm max.	
99-32212P	31,8	41,5	79,5	12	-	16	2	24000	**347.54**

99-

Freza pentru tablii, profil sinusoidal, pentru frezare ambele parti, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



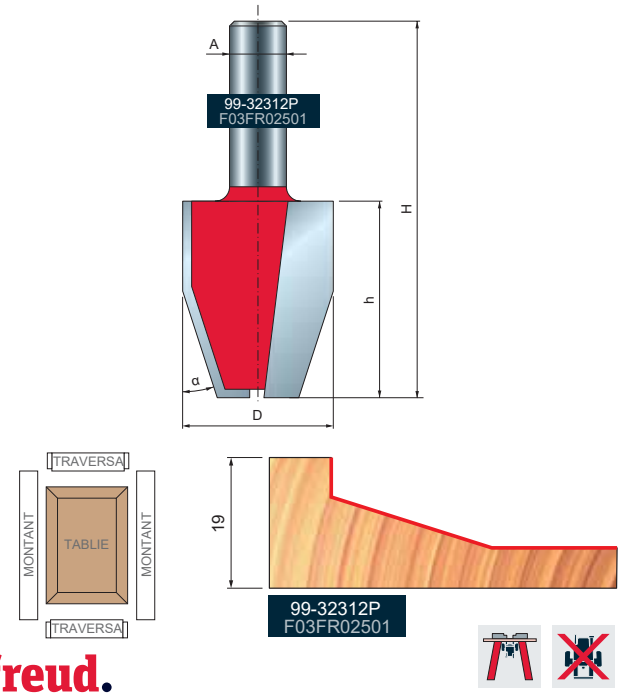
freud.

	D	h	H	A	R1	R2	Z	rpm max.	
99-57112P	89	25	75	12	30	6	2	14000	**940.16**

99-

Freza pentru tablii, profil drept vertical, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*



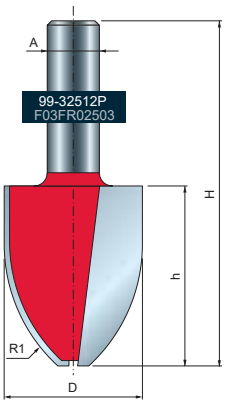
freud.

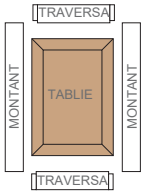
	D	h	H	A	α	R1	Z	rpm max.	
99-32312P	31,8	41,5	79,5	12	18°	-	2	24000	**347.54**

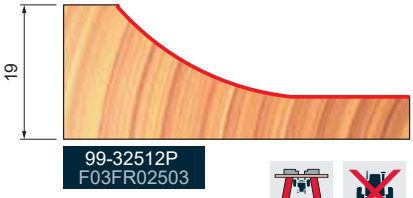
99-

Freza pentru tablii, profil vertical convex, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*





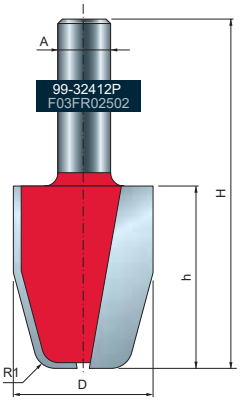


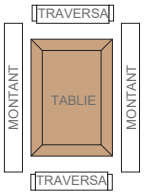
	D	h	H	A	α	R1	Z	rpm max.	
99-32512P	31,8	41,5	79,5	12	-	38,1	2	24000	**347.54**

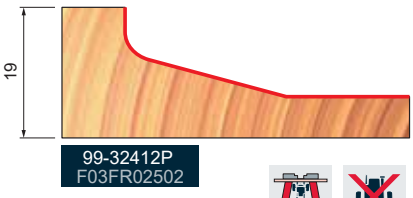
99-

Freza pentru tablii, profil vertical drept cu colturi rotunjite, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*





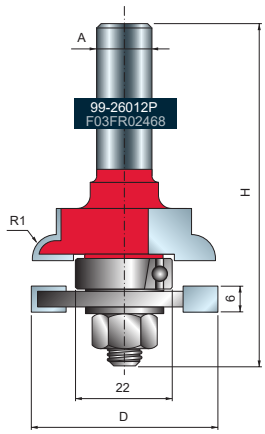


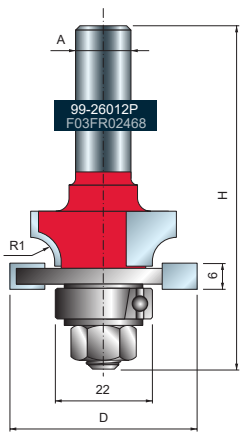
	D	h	H	A	α	R1	Z	rpm max.	
99-32412P	31,8	41,5	79,5	12	15°	4,8	2	24000	**347.54**

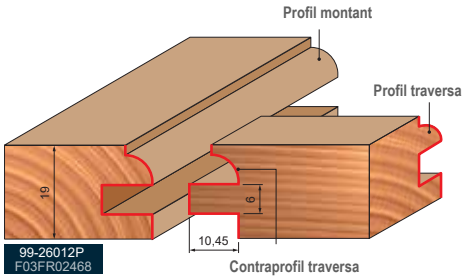
99-

Freza profil contraprofil cu raza, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*





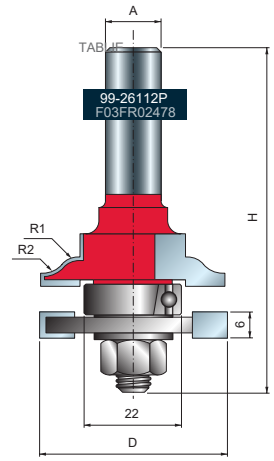


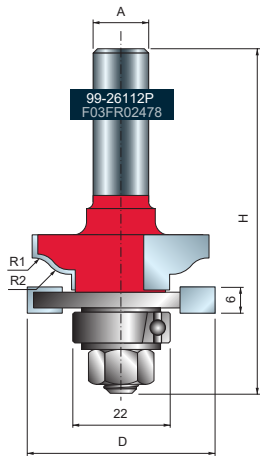
	D	h	H	A	R1	R2	Z	rpm max.	
99-26012P	42,9	19	77	12	5,5	-	2	24000	**727.87**

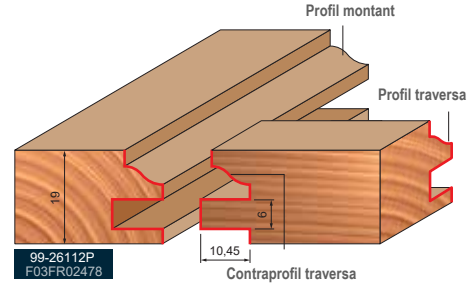
99-

Freza profil contraprofil sinusoidal, placata CMS Z2, cu coada si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*





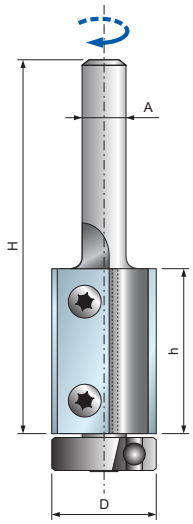


	D	h	H	A	R1	R2	Z	rpm max.	
99-26112P	42,9	19	77	12	4,5	5,5	2	24000	**727.87**

TG74MD

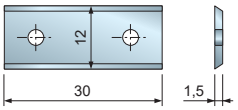
Freza pentru indreptat cant cu placute amovibile si rulment copier inferior

- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*





CG01MEA310
F03FH02737



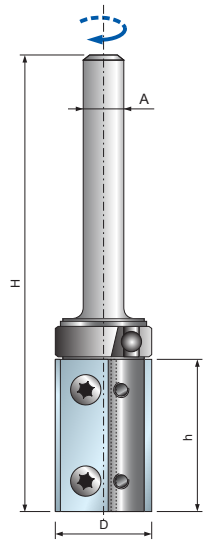
freud.

	D	h	H	A	Z	rpm max.	
TG74MD CE3	19	30	90	12	2	-	425.90

TG76MD

Freza pentru indreptat cant cu placute amovibile si rulment copier superior

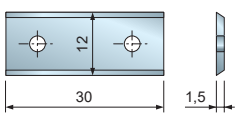
- *material prelucrat: materiale pe baza de lemn, lemn masiv.*
- *se pot utiliza doar pe masini portabile de frezat cu masa*





CG01MEA310
F03FH02737





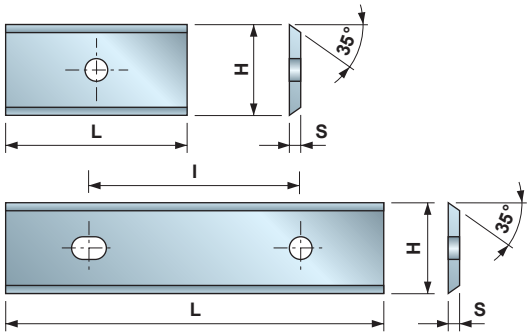
freud.

	D	h	H	A	Z	rpm max.	
TG76MD CD3	19	30	90	8	2	-	519.39

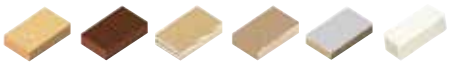
CG08M

Placuta amovibila utilizare universala HW - 35°

- *placutele K01S HW cu o muchie de taiere superioara, care are un impact pozitiv asupra finisajului si a duratei de viata a sculei.*
- *datorita duritatii medii, gama CG08M este potrivita pentru o utilizare universala*



freud.

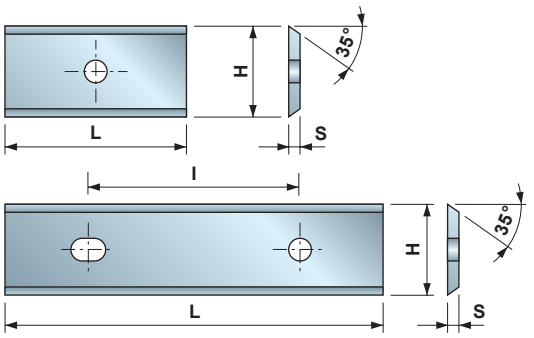


	L	H	S	l	
CG08MAA310	7,6	12	1,5		130.49
CG08MMA310	9,6	12	1,5		131.15
CG08MBA310	12	12	1,5		197.38
CG08McA310	15	12	1,5		150.82
CG08MDA310	20	12	1,5		163.93
CG08MEA310	30	12	1,5	14	187.54
CG08MLA310	40	12	1,5	26	278.69
CG08MFA310	50	12	1,5	26	269.51

CG05M

Placuta amovibila pentru PAL HW - 35°

- *produs cu duritate ridicata*
- *este recomandat in special pentru prelucrarea panourilor din PAL melaminat, MDF si a altor materiale compozite din lemn*



freud.



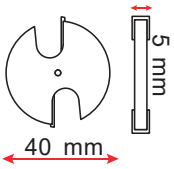
	L	H	S	l	
CG05MBA310	12	12	1,5		240.66
CG05MDA310	20	12	1,5		186.23
CG05MEA310	30	12	1,5	14	244.59
CG05MFA310	50	12	1,5	26	383.61

XT60642067866

Freza disc, placata CMS, Z 2 pentru uluc 5,0 mm

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*





TIVOLY

HM CARB | EN 847

	Q	H	
XT60642067866	40	5,0	80.85

XT60642067863

Ax pentru freza disc



TIVOLY

Ø 8 mm

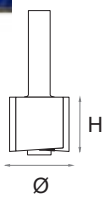
	Ø	d	d2	
XT60642067863	6,0	22,0	8,0	66.10

XT61012

Freza cu coada, placata CMS cu tais drept Z 2

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*





TIVOLY

HM CARB | EN 847 | d2

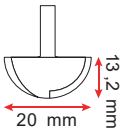
	Ø	H	d2	
XT60642067832	4,0	8,0	8,0	69.59
XT60642067834	6,0	16,0	8,0	69.59
XT60642067835	8,0	20,0	8,0	69.59
XT60642067836	10,0	20,0	8,0	80.85
XT60642067837	12,0	20,0	8,0	80.85
XT60642067838	14,0	20,0	8,0	80.85
XT60642067840	16,0	20,0	8,0	91.18
XT60642067841	18,0	20,0	8,0	91.18
XT60642067842	20,0	20,0	8,0	91.18

XT60642067845

Freza cu coada, profilata placata CMS

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*





TIVOLY

HM CARB | EN 847 | 20 mm | 10 mm | Ø 8 mm

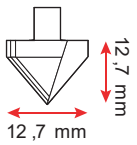
	Ø	H	d2	
XT60642067845	20,0	13,2	8,0	91.18

XT60642067846

Freza cu coada, profilata in V, placata CMS

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*
- *unghi de frezare 90°*





TIVOLY

HM CARB | EN 847 | 12,7 mm | 90° | Ø 8 mm

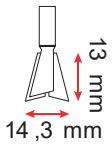
	Ø	H	d2	
XT60642067846	12,7	12,7	8,0	91.18

XT60642067861

Freza cu coada, profilata coada de randunica placata CMS

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*
- *unghi de frezare 15°*





TIVOLY

HM CARB | EN 847 | 13 mm | 14,3 mm | 15° | Ø 8 mm

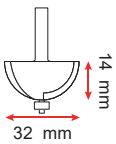
	Ø	H	d2	
XT60642067861	14,3	13,0	8,0	80.85

XT60642067801

Freza cu coada, profilata 1/4 convex, placata CMS, cu rulment copier

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*
- *raza de frezare: 9,5 mm*





TIVOLY

HM CARB | EN 847 | 14 mm | 32 mm | 9,5 mm | Ø 8 mm

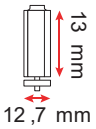
	Ø	H	d2	
XT60642067801	32,0	14,0	8,0	95.31

XT60642067802

Freza cu coada, cu tais drept, placata CMS, cu rulment copier

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*





TIVOLY

HM CARB | EN 847 | 13 mm / 12,7 mm | Ø 8 mm

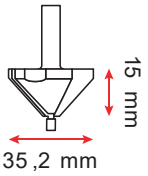
	Ø	H	d2	
XT60642067802	12,7	13,0	8,0	95.31

XT60642067806

Freza cu coada, profilata unghiular, placata CMS, cu rulment copier

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*
- *unghi de frezare 45°*





TIVOLY

HM CARB | EN 847 | 45° | Ø 8 mm

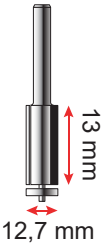
	Ø	H	d2	
XT60642067806	32,5	15,0	8,0	95.31

XT60642067807

Freza cu coada, pentru cant-falt, placata CMS, cu rulment copier

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*





TIVOLY

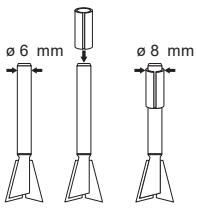
HM CARB | EN 847 | Ø 8 mm

	Ø	H	d2	
XT60642067807	31,8	12,7	8,0	95.31

XT61152

Adaptor-amplificator diametrul cozii





TIVOLY

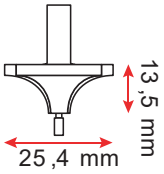
	Ø	
XT60642067598	6 > 8	69.59
XT60642067599	8 > 12	69.59

XT60642067809

Freza cu coada, profilata 1/4 concav, placata CMS, cu rulment copier

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*
- *raza de frezare: 9,5 mm*





TIVOLY

HM CARB | EN 847 | 6,3 mm | Ø 8 mm

	Ø	H	d2	
XT60642067809	25,4	13,5	8,0	98.66

XT60642064006

Set de 6 freze cu coada profile diferite, in cutie de plastic

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*
- *coada de prindere: d 8 mm*



TIVOLY

HM CARB | Ø 8 mm

	d	
XT60642064006	8,0	96.10

XT60647064012

Set de 12 freze cu coada profile diferite, in cutie de plastic

- *pentru lemn esenta tare si moale, precum si pentru plastic*
- *placute CMS brazate*
- *coada de prindere: d 8 mm*



TIVOLY

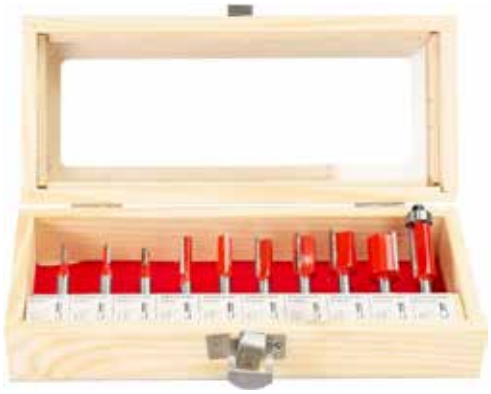
HM CARB | Ø 8 mm

	d	
XT60647064012	8,0	163.48

1.2366

Set de 10 freze cu coada profile diferite, coada 6 mm in cutie de lemn

- *set de 10 freze cu coada de 6 mm*
- *pentru lemn, realizate din otel carbon si carbura de inalta performanta*
- *rezistenta ridicată la uzura pentru o durata lungă de viata*
- *potrivit pentru toate tipurile de lemn*

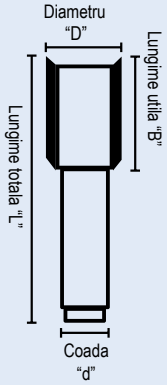


STAYER

HM CARB

Ø 6 mm

	d	
1.2366	6.0 mm	163.93



Nr.	Coada "d"	Diametru "D"	Lungime "b"	Lungime totala "L"
1	6	3	11	51
2	6	4	11	51
3	6	5	11	51
4	6	6	19	51
5	6	8	19	51
6	6	10	19	51
7	6	12	19	51
8	6	14	19	51
9	6	18	19	51
10	6	12.7	25.4	63

1.2462

Set de 6 freze cu coada profile diferite, coada 6 mm in cutie de lemn

- *set de 10 freze cu coada de 6 mm*
- *pentru lemn, realizate din otel carbon si carbura de inalta performanta*
- *rezistenta ridicată la uzura pentru o durata lungă de viata*
- *potrivit pentru toate tipurile de lemn*



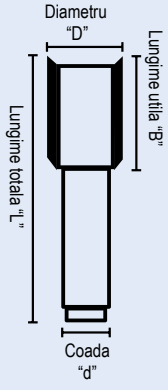


STAYER

HM CARB

Ø 6 mm

	d	
1.2462	6.0 mm	131.15



Nr.	Coada "d"	Diametru "D"	Lungime "b"	Lungime totala "L"
1	6	4	11	51
2	6	6	19	51
3	6	8	19	51
4	6	10	19	51
5	6	12 cu degajare	12	38
6	6	14 cu degajare	12	38

1.2620

Set de 10 freze cu coada profile diferite, coada 8 mm in cutie de lemn

- *set de 6 freze cu coada de 8 mm*
- *pentru lemn, realizate din otel carbon si carbura de inalta performanta*
- *rezistenta ridicată la uzura pentru o durata lungă de viata*
- *potrivit pentru toate tipurile de lemn*

STAYER

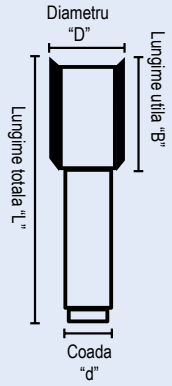
HM CARB

Ø 8 mm





1.2620 | d | 8.0 mm | 131.15



Nr.	Coada "d"	Diametru "D"	Lungime "b"	Lungime totala "L"
1	8	4	11	51
2	8	6	19	51
3	8	8	19	51
4	8	10	19	51
5	8	12 cu degajare	12	38
6	8	14 cu degajare	12	38

1.351

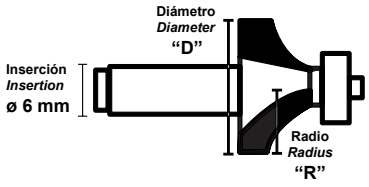
Set de 12 freze cu coada profile diferite, coada 6 mm in cutie de lemn

- *set de 12 freze cu coada de 6 mm*
- *pentru lemn, realizate din otel carbon si carbura de inalta performanta*
- *rezistenta ridicată la uzura pentru o durata lungă de viata*
- *potrivit pentru toate tipurile de lemn*

STAYER

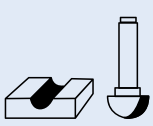
HM CARB

Ø 6 mm

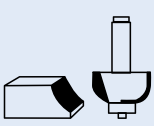




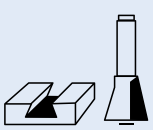
1.351 | d | 6.0 mm | 196.72



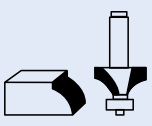
CONCAVA
D ø 12.7 mm
R 6.35 mm



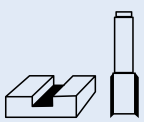
CONCAVA
D ø 22 mm
R 6.35 mm



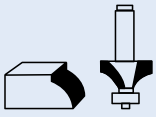
COADA RANDUNICA
D ø 12.7 mm



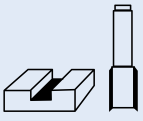
1/4 CONCAV
D ø 22 mm
R 6.35 mm



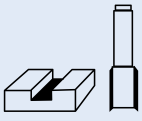
TAIS DREPT
D ø 16 mm



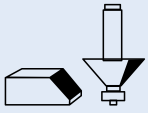
1/4 CONCAV
D ø 28.6 mm
R 9.5 mm



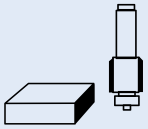
TAIS DREPT
D ø 12 mm



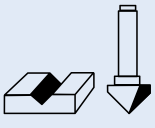
TAIS DREPT
D ø 6 mm



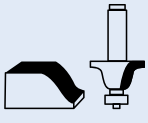
SANFREN 45º
D ø 32 mm



PENRU CANT
D ø 12.7 mm



90º FORMA V
D ø 12.7 mm



SINUSOIDAL
D ø 25.4 mm
R 4 mm

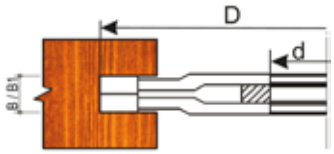
0138999S

Freze cu alezaj, reglabile, pentru uluc, cu placute brazate CMS

- *corpul realizat din otel cu cutite brazate din CMS*
- *material prelucrat: lemn esente tari, esente moi, panouri aglomerate, produse sintetice*
- *masini: masina normala de frezat*
- *avans manual, avans mecanic*

D *- diametrul exterior*
B/B1 *- inaltime minima / inaltime maxima*
d *- alezaj*
Z *- numar de dinti + numar pretaietori*





	D	B / B1	Z	d		NET PROMO
0138999S4-8	150	4 / 8	4 + 4	30	**2323,22**	**1161.61**
0138999S6-12	150	6 / 12	4 + 4	30	**2439,72**	**1219.86**
0138999S8-16	150	8 / 16	4 + 4	30	**2574,04**	**1287.02**
0138999S10-20	150	10 / 20	4 + 4	30	**2892,58**	**1446.29**

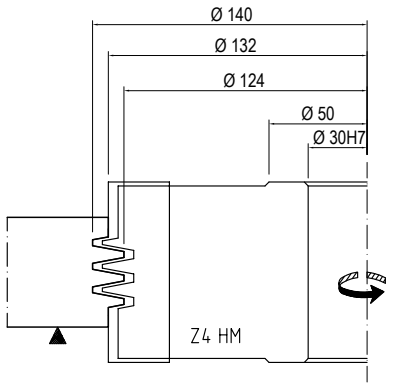
0095999

Freze cu alezaj, pentru imbinari, cu placute brazate CMS

- *corp metalic cu cutite brazate din CMS*
- *material prelucrat: lemn esente tari, esente moi*
- *masini: masina normala de frezat*
- *avans manual, avans mecanic*

D *- diametrul exterior*
B *- inaltime*
d *- alezaj*
Z *- numar de dinti*





	D	B	Z	d	
0095999	140	46	4	30	**3699,21**

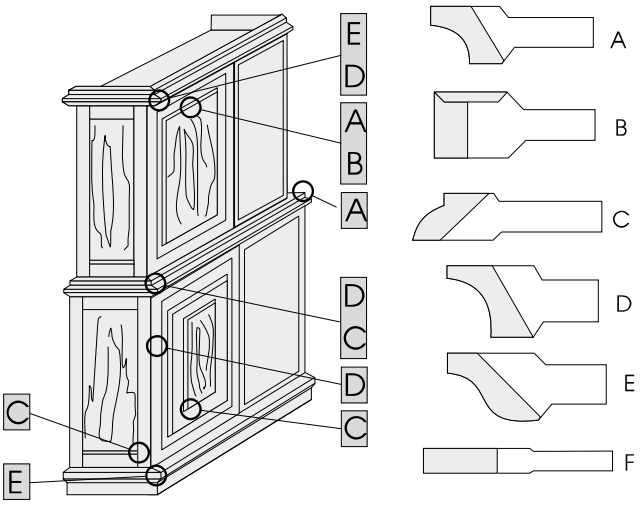
0055999

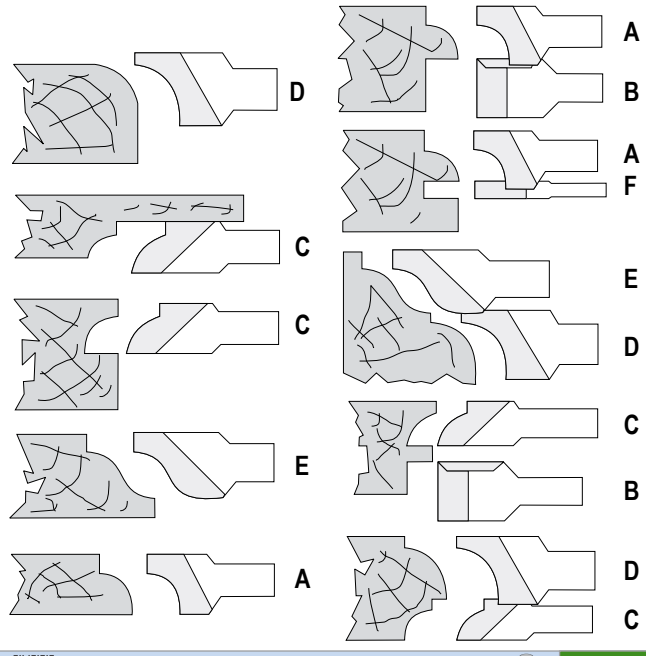
Set freze profilate pentru mobilier antic

- *set 6 freze placate CMS pentru realizarea profilelor de mobilier*
- *frezele pot fi utilizate individual sau in set*
- *materiel prelucrat: lemn masiv de esente tari, sau moi, fara noduri*
- *masini: masina normala de frezat*
- *avans manual, avans manual*

D *- diametrul exterior*
B *- inaltime*
d *- alezaj*
Z *- numar de dinti*







	Z	d		NET PROMO
0055999	3	30	**9520,61**	**4760.31**

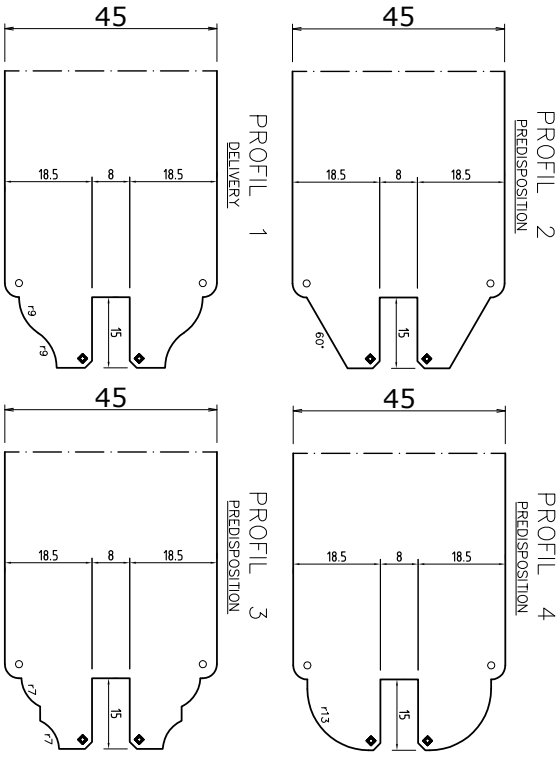
NET PROMO Pret NET PROMO reprezinta pretul promotional net de facturare valabil pana la lichidarea stocului actual. Dupa reaprovizionare produsul revine la pretul de lista alaturat.

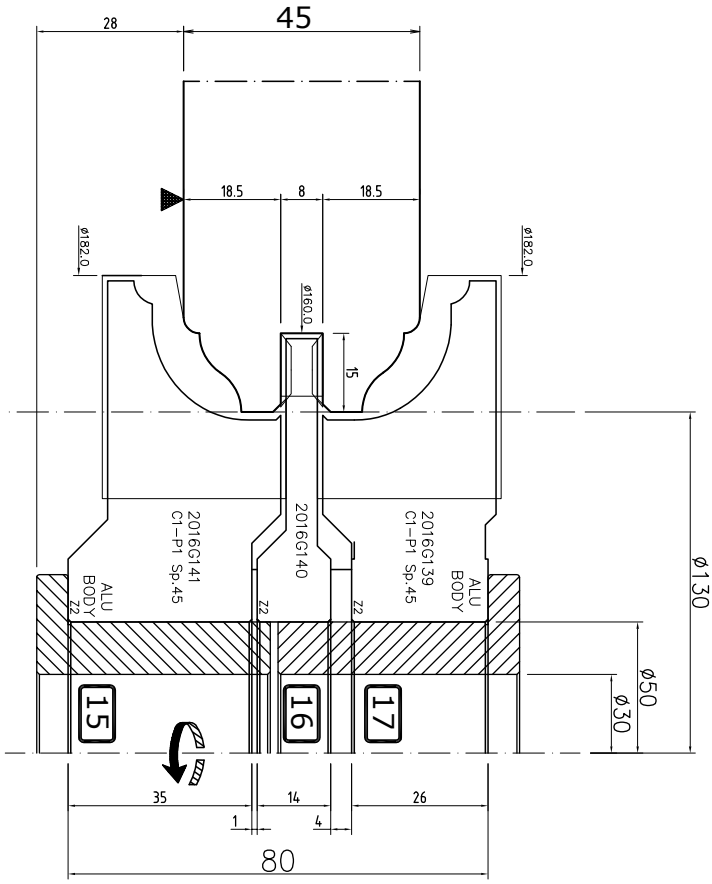
9999003INT

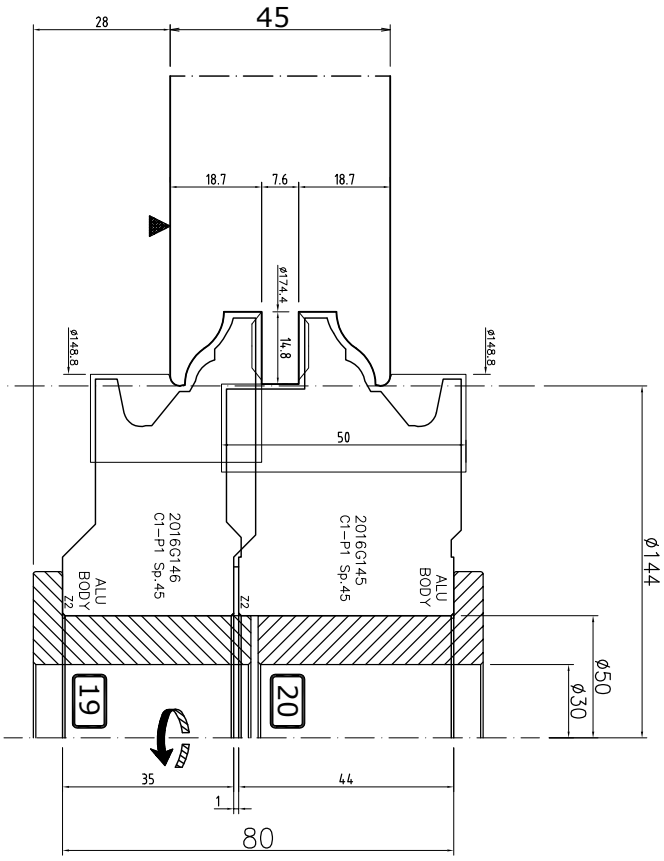
Set profil contraprofil pentru usi interior

• set de freze cu placute amovibile, Z2
• realizeaza profilul si contraprofilul foii de usa cu grosimea de 45 mm
posibilitatea de a avea 4 profile diferite, cu aceelasi corp al frezei, schimband doar setul de placute
• material prelucrat: lemn esente tari, esente moi
• sens de rotatie: dreapta
• masini: masina normala de frezat
• avans manual
***D** - diametrul exterior*
***B** - inaltime*
***d** - alezaj*
***Z** - numar de dinti*









	B	Z	d		NET PROMO
9999003INT	45	2	30	**17275.20**	**8637.60**

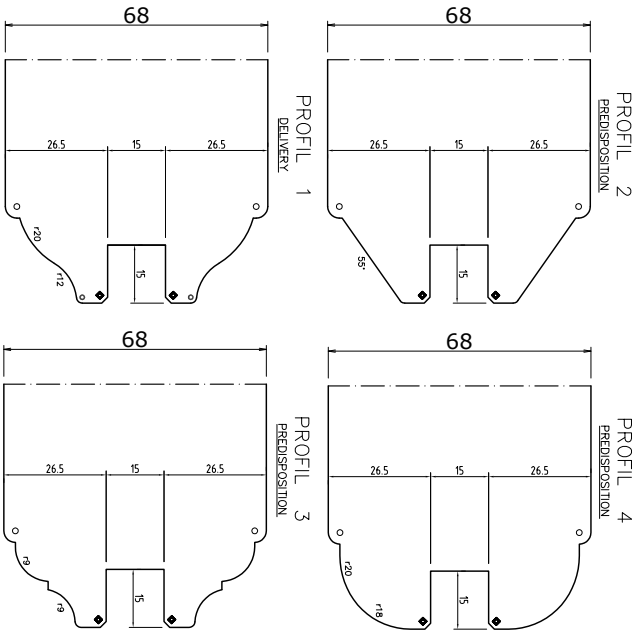
NET PROMO Pret NET PROMO reprezinta pretul promotional net de facturare valabil pana la lichidarea stocului actual. Dupa reaprovizionare produsul revine la pretul de lista alaturat.

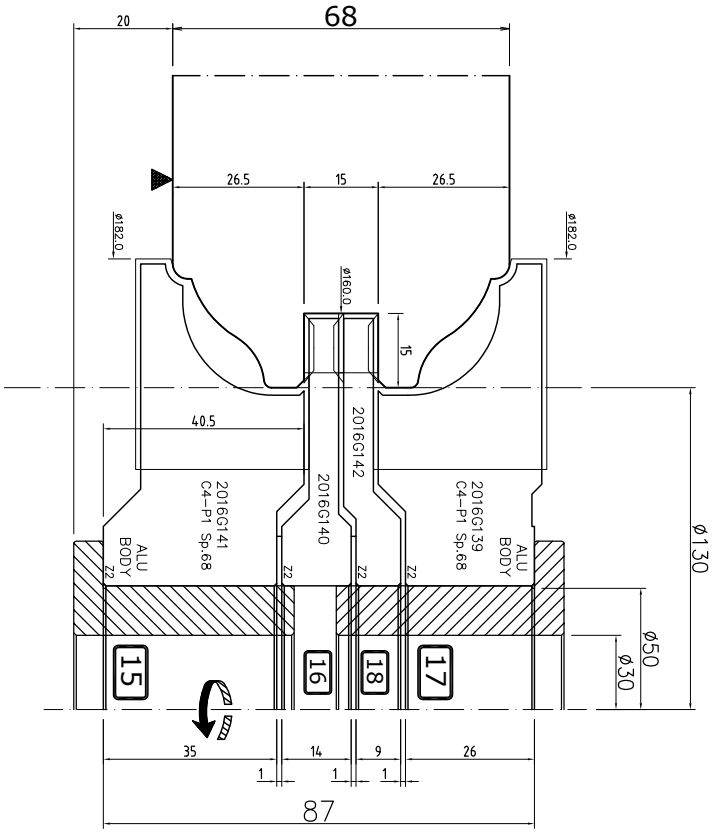
9999003EXT

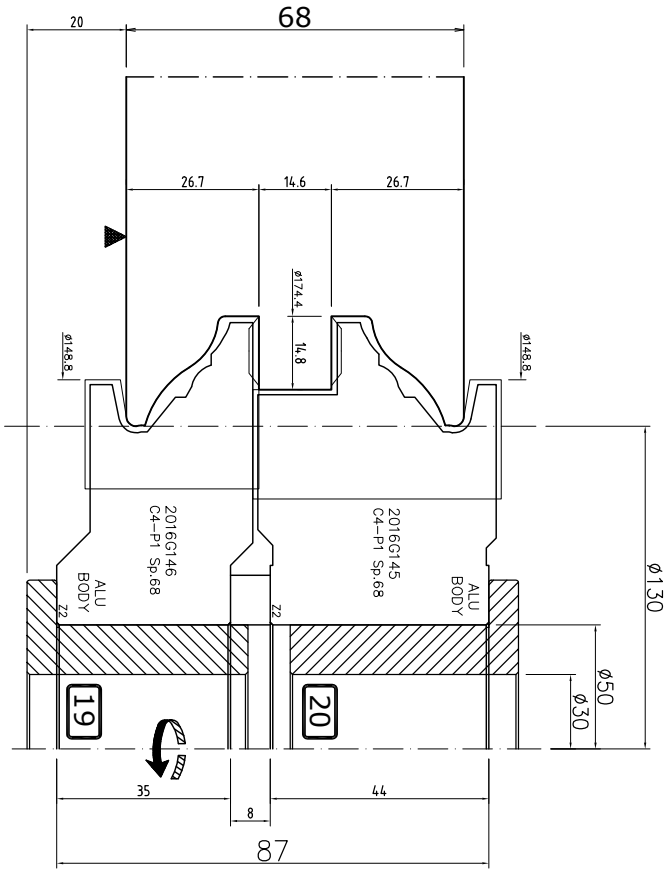
Set profil contraprofil pentru usi exterior

• set de freze cu placute amovibile, Z2
• realizeaza profilul si contraprofilul foii de usa cu grosimea de 68 mm
posibilitatea de a avea 4 profile diferite, cu aceelasi corp al frezei, schimband doar setul de placute
• material prelucrat: lemn esente tari, esente moi
• sens de rotatie: dreapta
• masini: masina normala de frezat
• avans manual
***D** - diametrul exterior*
***B** - inaltime*
***d** - alezaj*
***Z** - numar de dinti*









	B	Z	d		NET PROMO
9999003EXT	68	2	30	**18466,60**	**9233.30**

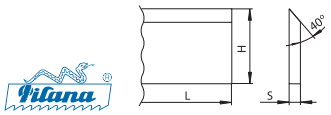
NET PROMO Pret NET PROMO reprezinta pretul promotional net de facturare valabil pana la lichidarea stocului actual. Dupa reaprovizionare produsul revine la pretul de lista alaturat.

13355-30

Cutite de rindeluit/abric HSS18%-1.3355 latime 30 mm pentru lemn dur

• material: 1.3355 pentru lemn dur, 1.3343 pentru lemn dur si moale, 1.2379 pentru lemn moale, 1.2067 pentru lemn moale.
• cutite de rindeluit fabricate cu dimensiuni metrice si in toli "la comanda",
• cutite de rindeluit cu durata de viata dubla
• duritatea cutitelor de rindeluit 59 pana la 64 HRC
• prelucrare termica executata in cuptoare speciale, comandate prin calculator
• productie la comanda a cutitelor de rindeluit cu dimensiuni arbitrare





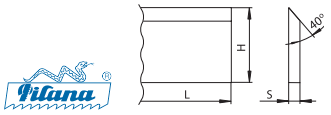
	LxHxS	
13355-30-1003030	100x30x3.0	**36.73**
13355-30-1203030	120x30x3.0	**43.96**
13355-30-1303030	130x30x3.0	**47.81**
13355-30-1503030	150x30x3.0	**55.04**
13355-30-1803030	180x30x3.0	**66.11**
13355-30-2103030	210x30x3.0	**77.01**
13355-30-2403030	240x30x3.0	**88.09**
13355-30-2603030	260x30x3.0	**95.38**
13355-30-3103030	310x30x3.0	**113.74**
13355-30-4003030	400x30x3.0	**146.80**
13355-30-4103030	410x30x3.0	**150.41**
13355-30-4503030	450x30x3.0	**165.16**
13355-30-5003030	500x30x3.0	**183.53**
13355-30-5103030	510x30x3.0	**194.21**
13355-30-5303030	530x30x3.0	**201.95**
13355-30-6103030	610x30x3.0	**232.50**
13355-30-6403030	640x30x3.0	**243.82**
13355-30-7103030	710x30x3.0	**270.56**
13355-30-8103030	810x30x3.0	**308.67**
13355-30-9103030	910x30x3.0	**346.73**
13355-30-10003030	1000x30x3.0	**380.85**
13355-30-10103030	1010x30x3.0	**384.84**
13355-30-10503030	1050x30x3.0	**400.09**
13355-30-12203030	1220x30x3.0	**422.51**

13355-35

Cutite de rindeluit/abric HSS18%-1.3355 latime 35 mm pentru lemn dur

• material: 1.3355 pentru lemn dur, 1.3343 pentru lemn dur si moale, 1.2379 pentru lemn moale, 1.2067 pentru lemn moale.
• cutite de rindeluit fabricate cu dimensiuni metrice si in toli "la comanda",
• cutite de rindeluit cu durata de viata dubla
• duritatea cutitelor de rindeluit 59 pana la 64 HRC
• prelucrare termica executata in cuptoare speciale, comandate prin calculator
• productie la comanda a cutitelor de rindeluit cu dimensiuni arbitrare





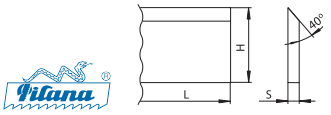
	LxHxS	
13355-35-1003030	100x35x3.0	**39.59**
13355-35-1203030	120x35x3.0	**47.40**
13355-35-1303030	130x35x3.0	**51.42**
13355-35-1503030	150x35x3.0	**59.23**
13355-35-1803030	180x35x3.0	**71.13**
13355-35-2103030	210x35x3.0	**82.96**
13355-35-2403030	240x35x3.0	**94.80**
13355-35-2603030	260x35x3.0	**102.84**
13355-35-3103030	310x35x3.0	**122.55**
13355-35-4003030	400x35x3.0	**158.05**
13355-35-4103030	410x35x3.0	**162.07**
13355-35-4503030	450x35x3.0	**177.93**
13355-35-5003030	500x35x3.0	**197.64**
13355-35-5103030	510x35x3.0	**209.27**
13355-35-5303030	530x35x3.0	**217.38**
13355-35-6103030	610x35x3.0	**250.35**
13355-35-6403030	640x35x3.0	**262.63**
13355-35-7103030	710x35x3.0	**291.19**
13355-35-8103030	810x35x3.0	**332.27**
13355-35-9103030	910x35x3.0	**373.29**
13355-35-10003030	1000x35x3.0	**410.19**
13355-35-10103030	1010x35x3.0	**414.36**
13355-35-10503030	1050x35x3.0	**430.64**
13355-35-12203030	1220x35x3.0	**454.96**

12067-30

Cutite de rindeluit/abric DS-1.2067 latime 30 mm pentru lemn moale

• material: 1.3355 pentru lemn dur, 1.3343 pentru lemn dur si moale, 1.2379 pentru lemn moale, 1.2067 pentru lemn moale.
• cutite de rindeluit fabricate cu dimensiuni metrice si in toli "la comanda",
• cutite de rindeluit cu durata de viata dubla
• duritatea cutitelor de rindeluit 59 pana la 64 HRC
• prelucrare termica executata in cuptoare speciale, comandate prin calculator
• productie la comanda a cutitelor de rindeluit cu dimensiuni arbitrare





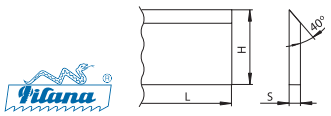
	LxHxS	
12067-30-1003030	100x30x3.0	**17.78**
12067-30-1203030	120x30x3.0	**21.22**
12067-30-1303030	130x30x3.0	**22.91**
12067-30-1503030	150x30x3.0	**26.58**
12067-30-1803030	180x30x3.0	**31.95**
12067-30-2103030	210x30x3.0	**37.08**
12067-30-2403030	240x30x3.0	**42.44**
12067-30-2603030	260x30x3.0	**46.06**
12067-30-3103030	310x30x3.0	**54.86**
12067-30-4003030	400x30x3.0	**70.72**
12067-30-4103030	410x30x3.0	**72.47**
12067-30-4503030	450x30x3.0	**79.52**
12067-30-5003030	500x30x3.0	**88.50**
12067-30-5103030	510x30x3.0	**93.65**
12067-30-5303030	530x30x3.0	**97.22**
12067-30-6103030	610x30x3.0	**112.05**
12067-30-6403030	640x30x3.0	**117.43**
12067-30-7103030	710x30x3.0	**130.32**
12067-30-8103030	810x30x3.0	**148.77**
12067-30-9103030	910x30x3.0	**167.04**
12067-30-10003030	1000x30x3.0	**183.50**
12067-30-10103030	1010x30x3.0	**185.49**
12067-30-10503030	1050x30x3.0	**192.81**
12067-30-12203030	1220x30x3.0	**203.61**

12067-35

Cutite de rindeluit/abric DS-1.2067 latime 35 mm pentru lemn moale

• material: 1.3355 pentru lemn dur, 1.3343 pentru lemn dur si moale, 1.2379 pentru lemn moale, 1.2067 pentru lemn moale.
• cutite de rindeluit fabricate cu dimensiuni metrice si in toli "la comanda",
• cutite de rindeluit cu durata de viata dubla
• duritatea cutitelor de rindeluit 59 pana la 64 HRC
• prelucrare termica executata in cuptoare speciale, comandate prin calculator
• productie la comanda a cutitelor de rindeluit cu dimensiuni arbitrare





	LxHxS	
12067-35-1003030	100x35x3.0	**19.88**
12067-35-1203030	120x35x3.0	**23.90**
12067-35-1303030	130x35x3.0	**25.83**
12067-35-1503030	150x35x3.0	**29.79**
12067-35-1803030	180x35x3.0	**35.74**
12067-35-2103030	210x35x3.0	**41.68**
12067-35-2403030	240x35x3.0	**47.57**
12067-35-2603030	260x35x3.0	**51.60**
12067-35-3103030	310x35x3.0	**61.56**
12067-35-4003030	400x35x3.0	**79.35**
12067-35-4103030	410x35x3.0	**81.21**
12067-35-4503030	450x35x3.0	**89.26**
12067-35-5003030	500x35x3.0	**99.23**
12067-35-5103030	510x35x3.0	**104.91**
12067-35-5303030	530x35x3.0	**109.08**
12067-35-6103030	610x35x3.0	**125.54**
12067-35-6403030	640x35x3.0	**131.71**
12067-35-7103030	710x35x3.0	**146.17**
12067-35-8103030	810x35x3.0	**166.80**
12067-35-9103030	910x35x3.0	**187.25**
12067-35-10003030	1000x35x3.0	**205.88**
12067-35-10103030	1010x35x3.0	**207.88**
12067-35-10503030	1050x35x3.0	**216.23**
12067-35-12203030	1220x35x3.0	**228.31**

1-3C/S

Rindea de lemn pentru operatii de degrosare

- *unghiul de taiere 45°*
- *corp lemn fag, talpa carpen*
- *urma de degrosare semirotunda*



	Dim.	L	H	I	Unghi	
1-36C/S	36	200	55	130	45°	**216.33**
1-39C/S	39	200	55	130	45°	**220.46**

1-30S

Cutit de rindea pentru degrosare art. 1-3

- *utilizat invers razuieste suprafete de lemn dur*



	Dim.	L	H	I		
1-360S	36	175	3	39	146	**148.39**
1-390S	39	175	3	39	158	**154.05**

2-3C/S

Rindea de lemn pentru operatii de indreptare-degrosare

- *unghiul de taiere 45°*
- *corp lemn fag, talpa carpen*
- *urma de degrosare plana*



	Dim.	L	H	I	Unghi	
2-36C/S	36	200	55	130	45°	**191.87**
2-39C/S	39	200	55	130	45°	**194.63**



2-3E/E

Rindea de lemn pentru operatii de degrosare EKO

- *unghiul de taiere 45°*
- *corp integral lemn fag*
- *se utilizeaza pentru indreptarea urmei rindelei de degrosare sau direct degrosare*



	Dim.	L	H	I	Unghi	
2-39E/E	39	200	55	130	45°	**138.40**

2-30S

Cutit de rindea pentru indreptare-degrosare art. 2-3 si 2-3 EKO

- *se utilizeaza pentru indreptarea urmei rindelei de degrosare sau direct pentru degrosare*



	Dim.	L	H	I		
2-360S	36	175	3	39	150	**116.45**
2-390S	39	175	3	39	170	**118.82**

3-4C/S

Rindea de lemn pentru finisarea suprafetelor

- *unghiul de taiere 45°*
- *corp din fag, talpa carpen*
- *umiditate 10%*
- *se utilizeaza la specii de lemn de esenta moale*



	Dim.	L	H	I	Unghi	
3-45C/S	45	200	65	130	45°	**247.70**

3-40

Cutit de rindea cu spargator aschie pentru finisare 3-4

- *cu spargator de aschie*
- *se utilizeaza la finisarea suprafetelor*



	Dim.	L	H	I		
3-450S	45	182	8	45	276	**167.39**



3A-4C/S

Rindea de lemn pentru netezirea-finisarea suprafetelor

- *unghiul de taiere 49°*
- *corp lemn de fag, talpa carpen*
- *se utilizeaza la netezire speciilor de lemn de esenta dura si suprafetelor de lemn furniruit.*



	Dim.	L	H	I	Unghi	
3A-45C/S	45	220	65	140	49°	**261.79**

3-450S

Cutit de rindea cu spargator aschie pentru netezire-finisare 3A-4

- *cu spargator de aschie*
- *se utilizeaza la finisarea suprafetelor furniruite, netezire*



	Dim.	L	H	I		
3-450S	45	182	8	45	276	**167.39**

6-5 / 6-6 C/S

Rindea de lemn (gealau) pentru indreptare suprafete mari

- *unghiul de taiere 49°*
- *corp lemn de fag, talpa carpen*
- *geluieste / indreapta suprafete mari*



	Dim.	L	H	I	Unghi	
6-51C/S	51	510	70	155	45°	**473.91**
6-6060C/S	60	600	80	155	45°	**541.43**

6-51 / 6-60 S

Cutit de rindea gealau cu spargator de aschie indreptat suprafete mari

- *cu spargator de aschie*
- *se utilizeaza la indreptarea de suprafete mari*



	Dim.	L	H	I		
6-510S	51	182	8	51	293	**197.89**
6-600S	60	182	8	60	345	**213.14**

10 C/S

Rindea de lemn pentru falt

- *unghiul de taiere 45°*
- *corp integral din fag*
- *se utilizeaza la indreptarea falturilor la usi si ferestre*



	Dim.	L	H	I	Unghi	
10-18C/S	18	255	18	155	45°	**146.57**
10-24C/S	24	255	24	155	45°	**150.80**
10-30C/S	30	255	30	155	45°	**159.26**

11 C/S

Rindea de lemn de capat pentru falt

- *unghiul de taiere 45°*
- *corp integral din fag*
- *pozitionare cutit la inceputul rindelei*
- *indreapta faltul la colturi, la usi si ferestre*



	Dim.	L	H	I	Unghi	
11-18C/S	18	160	18	155	45°	**145.11**
11-24C/S	24	160	24	155	45°	**150.80**
11-30C/S	30	160	30	155	45°	**159.26**

12 C/S

Rindea de lemn pentru falt, dubla, cu 2 locase cutit

- *unghiul de taiere 45°*
- *corp integral din fag*
- *se utilizeaza la indreptarea falturilor pe lungime si la colturi, la usi si ferestre.*



	Dim.	L	H	I	Unghi	
12-18C/S	18	255	18	155	45°	**166.04**
12-24C/S	24	255	24	155	45°	**171.24**
12-30C/S	30	255	30	155	45°	**186.74**

10 S

Cutit de rindea de falt

- *se utilizeaza la toate rindelele de falt*



	Dim.	L	H	I		
10-181S	18	183	3	18	41	**91.26**
10-241S	24	183	3	24	53	**99.50**
10-331S	30	183	3	30	78	**115.43**

10-21C/S

Rindea de lemn de falt cu cutit oblic

- *unghiul de taiere 45°*
- *corp integral din fag*
- *se utilizeaza la indreptarea falturilor la usi si ferestre*
- *planul de taiere obligic la 25°*



	Dim.	L	H	I	Unghi	
10-21C/S	24	255	21	155	45°	**239.54**

10-211S

Cutit de rindea de falt cu taiere oblica

- *se utilizeaza in rindeaua de falt pentru taiere oblica a cutitului*



	Dim.	L	H	I		
10-211S	21	183	3	24	53	**147.75**

40-1P

Raportor de lemn

- *se utilizeaza la copierea de unghiuri si transferul lor prin copiere pe semifabricate de lemn*



	Dim.	L	H	I		
40-1	0°-340°	350	50	24	250	**88.62**



30

Strangator reglabil cu falci de lemn

• *se utilizeaza la prinderea semifabricatului lemnos pe pozitite atunci cand strangatorul metalic este prea greu*



	Dim.	L	H	I		
30-200	200x110	290	145	24	500	**97.12**

41-1

Marcator dublu, cu 1 opritor (zgarieci)

• *se utilizeaza la masurarea si marcarea dimensiunilor in vederea taierii semifabricatelor din lemn*



	Dim.	L	H	I		
41-1	170	210	65	75	200	**89.44**

41-3

Marcator dublu, cu 2 opritoare (zgarieci)

• *se utilizeaza la masurarea si marcarea dimensiunilor in vederea taierii semifabricatelor din lemn*

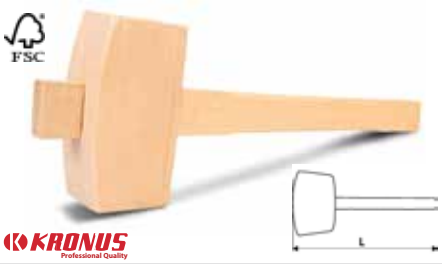


	Dim.	L	H	I		
41-3	170	210	65	75	200	**96.74**

7053 NOU

Ciocan de lemn pentru dulgherie

• *realizat din lemn de frasin*
• *umiditate: 12-16*



	mm	L		
902757	60	250	200	**54.97**
902758	70	300	250	**58.82**
902759	80	320	350	**66.74**

52

Ciocan de lemn pentru dulgherie

• *din lemn de fag*



	Dim.	L	H	I		
52-1	350	105	65	300	350	**101.53**
52-2	650	140	65	330	650	**133.80**
52-3	800	160	65	330	800	**139.82**

53

Ciocan de lemn pentru tamplarie

• *cap lemn de fag, maner lemn de frasin*



	Dim.	L	H	Ø		
53-1	300	300	120	60	350	**64.94**
53-2	350	300	140	70	650	**70.27**

56

Ciocan de lemn pentru sculptura

• *din lemn de fag*



	Dim.		
56-1	Φ 80	350	**115.88**
56-2	Φ 100	650	**174.32**
56-3	Φ 120	650	**219.77**

52-4 / 53-3 / 56-4

Coada ciocan

• *din lemn de fag*



	Dim.	H		
52-4	Φ25x300	53-1, 53-2, 52-1	110	**15.86**
53-4	Φ30x300	52-2, 52-3	160	**16.21**

54

Ciocan de lemn ranforsat

• *din lemn de fag ferecat in inele de metal*



	Dim.	L	H	Ø		
54-1	6000	950	230	170	6000	**977.43**

HOBBY 0/1500

Tejghea de tamplarie lemn

• *dimesiuni 1500x600x850 mm*
• *blatul de lucru 1500x600x40 mm*
• *greutate 52 kg*
• *are un strangator cu surub metalic*



	Dim.	Blat		
HOBBY 2-0	1500x600x850	1500x600x40	52000	**5753.95**

HOBBY 0/2000

Tejghea de tamplarie lemn

• *dimesiuni 2000x600x850 mm*
• *blatul de lucru 2000x600x40 mm*
• *greutate 61 kg*
• *are un strangator cu surub metalic*



	Dim.	Blat		
HOBBY 3-0	2000x600x850	2000x600x40	61000	**6370.18**

SCHOOL 1/700

Tejghea de tamplarie scolari

- *dimensiuni 1450x1450x700 mm*
- *se utilizeaza in atelierele scoala pentru copii*
- *inaltimea de lucru 700 mm, 4 posturi de lucru fiecare echipat cu strangatoare cu ax metalic*



	Dim.	Blat		
SCHOOL 1/700	1450x1450x700	1300x1300x80	160000	**19777.37**

SCHOOL 1/850

Tejghea de tamplarie scolari

- *dimensiuni 1450x1450x850 mm*
- *se utilizeaza in atelierele scoala pentru copii*
- *inaltimea de lucru 850 mm, 4 posturi de lucru fiecare echipat cu strangatoare cu ax metalic*



	Dim.	Blat		
SCHOOL 1/850	1450x1450x850	1300x1300x80	165000	**19777.37**

Profi I/II 1500

Tejghea de tamplarie profesionala

- *dimensiuni 1650x790x850 mm*
- *se utilizeaza in atelierele traditionale profesionale de tamplarie*
- *inaltimea de lucru 850 mm, 2 posturi de lucru fiecare echipat cu strangatoare cu ax metalic*



	Dim.	Blat		
PROFI II 1500	1650x790x850	1500x640x120	173000	**20375.58**

Profi I/II 2000

Tejghea de tamplarie profesionala

- *dimesiuni 2150x790x850 mm*
- *blatul de lucru 2000x640x120 mm*
- *greutate 184 kg*
- *are 2 strangatoare cu surub metalic*



	Dim.	Blat		
PROFI 2000	2150x790x850	2000x640x120	184000	**22232.80**



Inca de la infiintarea sa, in 2000, compania Pinie Lubna, Ltd. s-a concentrat pe productia si vanzarea brandului Pinie® de scule din lemn pentru tamplarie. Brandul impreuna cu tehnologia de fabricare si materia prima au fost achizitionate in anul 2000 de la compania Pinie Čistá, Ltd.
Istoria brandului Pinie® dateaza din anul 1918. Initial, manerele din lemn au fost fabricate sub marca proprie, iar in 1932, a fost lansata productia de avioane din lemn. In acea perioada, avioanele de lemn reprezintau nucleul de productie al companiei.
In prezent, compania are 23 de angajati permanenti si produce mai mult de 500 de produse diferite pentru utilizatorii cu ridicata, cu amanuntul si consumatorii finali. Linia de productie include, in principal: scule de tamplarie, mese si bancuri de lucru pentru tamplarie si lacatuserie, precum si materiale conjunctive. Produsele Pinie® satisfac cele mai inalte criterii de calitate.



SCULE INSTALATORI

Numeroase parti suplimentare

Linia de chei pentru tevi este completata de alte scule dedicate lucrului cu instalatii de tevi, asa cum sunt diverse scule taietoare, menghine, pompe de test, etc.

Forma ergonomica

Multumita formei sale ergonomice, cheia speciala cu prindere de tevi se potriveste perfect in mana, asigurand o priza ferma si antiderapanta pe toate tipurile de tevi, indiferent de forma sau latime

Instalare usoara

Sculele pentru tevi Unior permit instalarea eficace si sigura a sistemelor de tevi, pentru ca permit transferul esential al efortului spre tevi si furnizeaza o priza ferma si stabila fara buloane sau bolturi

UNIOR® EGA Master ART IN INNOVATION BOC BOHRCRAFT

Procedura speciala de fabricarea a sculelor de instalator

FALCI REGLABILE
1. Decupare: Bara de otel este decupata de o masina la forma ceruta; precizia decuparii asigura un surplus minim de materie prima

2. Forjare: Piesele forjate sunt realizate folosind turnarea la cald. Aceasta permite forme variate si ergonomice ale produselor. Orientarea potrivita a fibrelor (aceeasi ca in barele de otel) este mentinuta folosind procesele corespunzatoare de forjare.



3. Debavurare: eliminarea bavurilor dupa forjare.

4. Brosare: geometria corespunzatoare a falcilor este obtinuta prin brosaj. Aceasta asigura o prindere optima si rezistenta la uzura.

5. Operare CNC: pe o masina CNC este executata folosind dispozitive speciale de fixare care asigura precizia dimensiunilor si functionalitatii in ceea ce priveste miscarile tuturor elementelor.



6. Intarire prin inductie: Tratamentul termic local de durizare si calire asigura partii functionale a cheii un grad inalt de duritate. Prin durizare se poate obtine microstructura optima, ceea ce asigura falcilor o durata lunga de serviciu

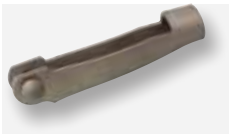
FALCI FIXE
7. Decupare: Bara de otel este decupata de o masina la forma ceruta; precizia decuparii asigura un surplus minim de materie prima.



8. Forjare: Piesele forjate sunt facute folosind turnarea la cald. Aceasta permite forme variate si ergonomice ale produselor. Orientarea potrivita a fibrelor (aceeasi ca in barele de otel) este mentinuta folosind procesele corespunzatoare de forjare.

9. Debavurare: eliminarea bavurilor dupa forjare.

10. Brosare: geometria corespunzatoare a falcilor este obtinuta prin brosaj. Aceasta asigura o prindere optima si rezistenta la uzura.



ASAMBLARE
11. Nituire: Nitul asigura o imbinare solida a falcilor.

12. Tratament termic (calire si revenire): Tratamentul termic de durizare si calire este folosit pentru imbunatatirea structurii otelului, ca sa furnizeze o mai buna rezisenta si duritate produsului si alte caracteristici necesare pentru a depasi tensiunile pe care le cere lucrul cu acest produs



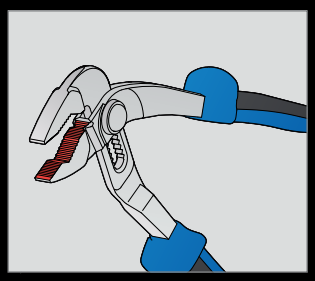
13. Durificare prin inductie: Tratamentul termic local de durizare si calire asigura partii functionale a cheii un grad inalt de duritate. Prin durizare se poate obtine microstructura optima, ceea ce asigura falcilor o durata lunga de serviciu

14. Vopsire: Un strat de vopsea protectoare este aplicat folosind un procedeu de pudrare, ceea ce confera produsului un aspect profesional si foloseste si ca suprafata de protectie.

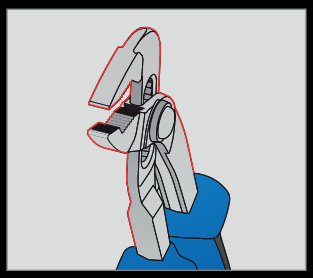
Clesti multipriza si pentru tevi 877
Clesti instalatori 880
Dispozitive de indoit tevi 882
Scule si dispozitive de taiat tevi 884
Menghine si clesti cu lant 888
Scule si dispozitive de filetat 890
Pompe de testare 894
Scule de debavurare 894
Dispozitive de curatare si inspectie 896



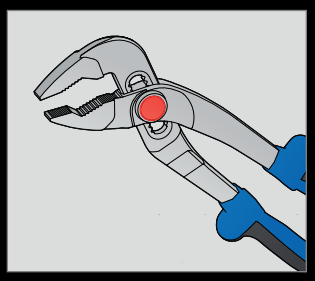
447/1HPP



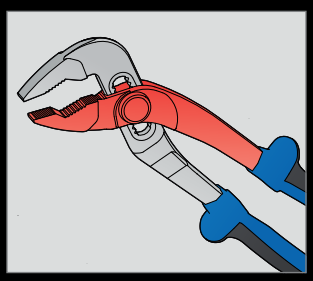
dantura dintilor este conceputa pentru a asigura strangerea optima a piesei



strangere ferma: designul si forma falcilor asigura o mai buna strangere a piesei, avand ca rezultat stabilitatea, siguranta si un randament mai bun.



clestii HPP sunt prevazuti cu un buton pentru reglarea rapida a deschiderii falcilor, asigurand o rapida si precisa adaptare a acestora pe piesa.



deschiderea falcilor reglabila in 10 pozitii.



447/1HPP

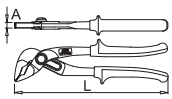
Cleste reglabil cu blocare pentru instalatori

- *material: crom vanadium*
- *tratat complet*
- *suprafata de lucru tratata prin inductie*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*

Avantaje:

- *dantura dintilor este conceputa pentru a asigura strangerea optima a piesei*
- *deschiderea falcilor reglabila in 10 pozitii*
- *clestii HPP sunt prevazuti cu un buton pentru reglarea rapida a deschiderii falcilor, asigurand o rapida si precisa adaptare a acestora pe piesa*
- *strangere ferma: designul si forma falcilor asigura o mai buna strangere a piesei, avand ca rezultat stabilitate, siguranta si un randament mai bun.*
- *lucrul cu clestele: cu toata constructia supla a acestuia, falcile asigura lucrul cu o singura mana in locurile de lucru extrem de dificile*
- *confectionate din doua componente reducand alunecarea mainii in timpul lucrului si asigurand siguranta si eficienta a mainii in actionarea falcilor.*
- *ergonomie: manerele sunt proiectate pentru o adaptare perfecta a mainii si asigura o mai mare strangere si siguranta.*





UNIOR

	L	A					
620172	240	8.5	40	392	4B	1	213.61

447/4PHPP

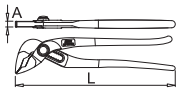
Cleste reglabil cu blocare pentru instalatori

- *material: crome vanadium*
- *tratat complet*
- *acoperire: fosfatare*
- *cap vopsit*
- *manere de plastic*

Avantaje:

- *dantura dintilor este conceputa pentru a asigura strangerea sigura a piesei*
- *deschiderea falcilor reglabila in 10 pozitii*
- *clestii HPP sunt prevazuti cu un buton pentru reglarea rapida a deschiderii falcilor, asigurand o rapida si precisa adaptare a acestora pe piesa*
- *strangere ferma: designul si forma falcilor asigura o mai buna strangere a piesei, avand ca rezultat stabilitate, siguranta si un randament mai bun.*
- *lucrul cu clestele: cu toata constructia supla a acestuia, falcile asigura lucrul cu o singura mana in locurile de lucru extrem de dificile*
- *confectionate din doua componente reducand alunecarea mainii in timpul lucrului si asigurand siguranta si eficienta a mainii in actionarea falcilor.*
- *ergonomie: manerele sunt proiectate pentru o adaptare perfecta a mainii si asigura o mai mare strangere si siguranta.*





UNIOR

	L	A					
620421	240	8.5	40	877	4B	1	162.79

442/1HYPO

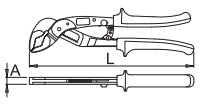
Cleste reglabil HYPO cu autoreglare pentru instalatori

- *material: compozitie speciala pentru calire revenire*
- *suprafata de lucru tratata prin inductie*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *tratat complet*

Avantaje:

- *clestii HYPO sunt cu autoreglare, deci nu este necesar sa se regleze in avans deschiderea falcilor.*
- *operare cu o mana, autoajustabila*
- *clestele de adapteaza perfect la piesa de lucru*
- *deschiderea maxima a falcilor : Ø 40 mm.*
- *mecanismul de blocare permite depozitarea facila a uneltei dupa folosire*





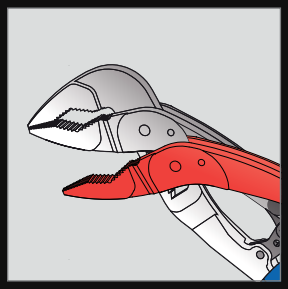
UNIOR

	L	A					
616727	180	9.5	33	201	4B	10	166.39
611780	240	9	40	397	4B	10	207.87

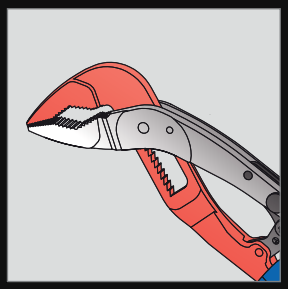


CARACTERISTICI

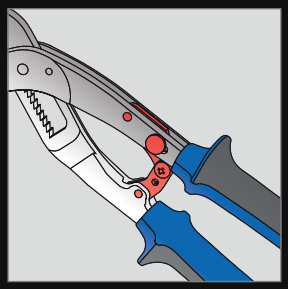
442/1HYPO



Deschiderea maxima a falcilor: Ø 40 mm.



Clestii HYPO sunt cu autoreglare, deci nu este necesar sa se regleze in avans deschiderea falcilor. Operare cu o mana, autoajustabila



Mecanismul de blocare permite depozitarea facila a uneltei dupa folosire

447/1

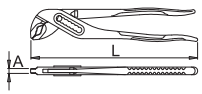
Cleste reglabil falci intrepatrunse pentru instalator

- *material: crome vanadium*
- *tratat complet*
- *suprafata de lucru tratata prin inductie*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 8976*

Avantaje:

- *forma speciala cu crestatura previne strivirea degetelor intre brate*
- *deschiderea falcii reglabila in 7 pozitii*





UNIOR

	L	A					
605237	240	6.5	35	307	4B	10	**119.18**

447/6

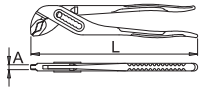
Cleste reglabil cu falci intrepatrunse, vopsit pentru instalatori

- *material: crome vanadium*
- *tratat complet*
- *suprafata de lucru tratata prin inductie*
- *vopsit rosu*
- *in conformitate cu standardul ISO 8976*

Avantaje:

- *deschiderea falcii reglabila in 7 pozitii*
- *forma speciala cu crestatura previne strivirea degetelor intre brate*





UNIOR

	L	A					
607348	175	6.5	26.5	154	4B	1	**82.30**
603160	240	7.5	35	312	4B	10	**110.00**
605006	300	8.5	42	464	4B	10	**155.74**

447/1BI

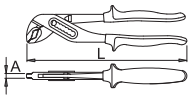
Cleste reglabil cu falci intrepatrunse pentru instalatori

- *material: crom vanadium*
- *tratat complet*
- *suprafata de lucru tratata prin inductie*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 8976*

Avantaje:

- *forma speciala cu crestatura previne strivirea degetelor intre brate*
- *deschiderea falcii reglabila in 7 pozitii*





UNIOR

	L	A					
610984	240	6.5	35	367	4B	1	**143.77**

441/7PR

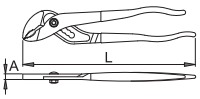
Cleste reglabil pentru instalatori

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap vopsit*
- *maner profilat ergonomic*
- *manere de plastic*
- *in conformitate cu standardul ISO 8976*

Avantaje:

- *deschiderea falcii reglabila in 6 pozitii*
- *articulatie culisanta*





UNIOR

	L	A					
601464	240	8	35	337	4B	10	**78.20**

449/1PYTHON

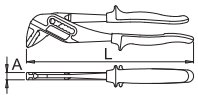
Cleste reglabil cu falci intrepatrunse PYTHON pentru instalatori

- *material: crom vanadium*
- *tratat complet*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*

Avantaje:

- *deschiderea falcii reglabila in 7 pozitii*
- *falcile sunt intotdeauna paralele pentru protectia piesei asupra careia se actioneaza impotriva deteriorarii*
- *449.1 falci suplimentare din plastic pentru lucrul pe suprafete cromate si polizate*





UNIOR

	L	A					
615032	240	11	42	420	4B	10	**234.75**

449.1

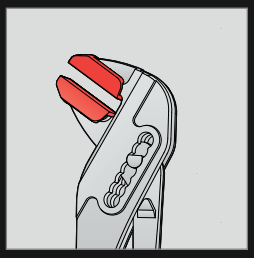
Falca de protectie din plastic pentru 449/1PYTHON



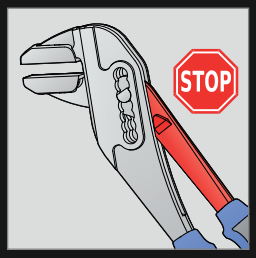
UNIOR

615033	240	2	10	1E	2	**11.97**

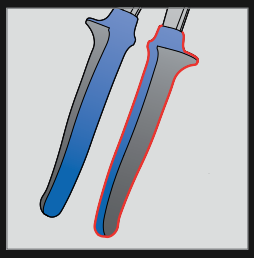
449/1PYTHON



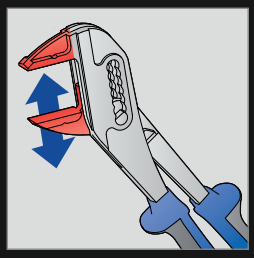
449.1 Falci suplimentare din plastic pentru lucrul pe suprafete cromate si polizate



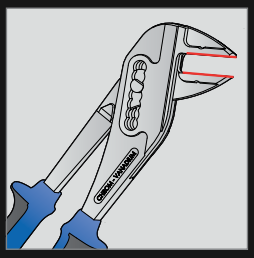
forma speciala cu crestatura previne strivirea degetelor intre brate



manere bimaterial pentru conditii grele



deschiderea falcii reglabila in 7 pozitii



falcile sunt intotdeauna paralele pentru protectia piesei asupra careia se actioneaza impotriva deteriorarii

445/1P

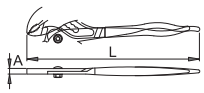
Cleste reglabil cu manere plastizolate pentru instalatori

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul ISO 1456:2009*
- *manere de plastic*
- *in conformitate cu standardul ISO 8976*

Avantaje:

- *deschiderea falcii reglabila in 11 pozitii*
- *articulatie canelata*





UNIOR

	L	A					
608213	410	15	105	1290	1E	1	**214.75**

445/1BI

Cleste reglabil cu manere bimaterial pentru instalatori

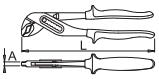
- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul ISO 1456:2009*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 8976*

Avantaje:

- *deschiderea falcii reglabila in 5 pozitii pentru dim.180 si 240, in 6 pozitii pentru dim.300*
- *articulatie canelata*







UNIOR

	L	A					
607885	180	9.9	25	187	4B	10	**108.69**
620557	240	10.8	35	417	4B	10	**142.95**
607887	300	12.2	40	657	4B	5	**176.07**

445/4G

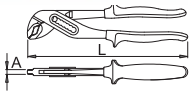
Cleste reglabil cu manere pentru conditii grele pentru instalatori

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap vopsit*
- *acoperire:fosfatare conform standardului ISO 9717*
- *maner de plastic pentru conditii grele*
- *in conformitate cu standardul ISO 8976*

Avantaje:

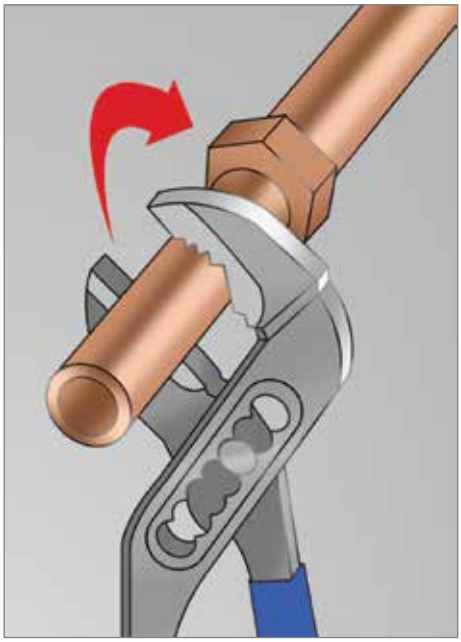
- *deschiderea falcii reglabila in 5 pozitii pentru dim.180 si 240, in 6 pozitii pentru dim.300*
- *articulatie canelata*

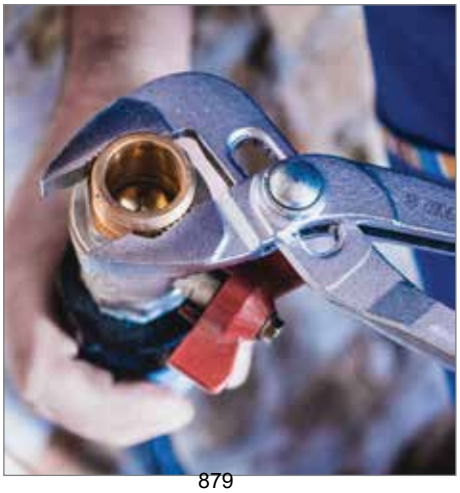




UNIOR

	L	A					
608690	180	9.9	25	197	4B	10	**81.31**
620558	240	10.8	35	417	4B	10	**115.41**
608692	300	12.2	40	657	4B	5	**145.74**

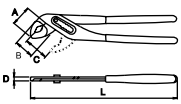




Cleste reglabil papagal, cu falci intrepatrunse, manere plastisolate

- *material: crom vanadiu*
- *duritate generala: 43-48 HRc*
- *duritate dinti: 42-50 HRc*
- *maner anti-alunecare*
- *finisare: fosfatare*
- *conform DIN 8976*





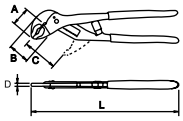
EGA Master ART IN INNOVATION

	L	A	B	C	D		
62128	10"	32	36	34	7	350	**147.75**
62129	12"	43	46	46	8	500	**198.54**

Cleste reglabil cu auto-blocare si arc de redeschidere

- *material: crom vanadiu*
- *duritate generala: 43-48 HRc*
- *duritate dinti: 42-50 HRc*
- *duritate pin: 28-50 HRc*
- *maner anti-alunecare*
- *finisare: fosfatare*
- *conform DIN 8976*





EGA Master ART IN INNOVATION

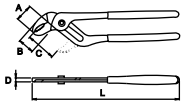
	L	A	B	C	D		
62706	7"	24	30	47	6	200	233.72
62707	10"	30	39	59	7,5	350	257.29
62708	12"	36	46	71	8	550	313.43

Cleste reglabil papagal, manere plastisolate

- *material: otel special*
- *duritate generala: 45-50 HRc*
- *duritate dinti: 42-50 HRc*
- *duritate pin: 28-50 HRc*
- *maner anti-alunecare*
- *finisare: TITACROM ®*
- *conform DIN 8976*



TITACROM®



EGA Master ART IN INNOVATION

	L	A	B	C	D		
62106	10"	34	40	36	10	390	185.68
62108	16"	70	60	85	12	1300	355.37

482/6

Cleste de tevi cu gura la 45°, model suedez, forma-S

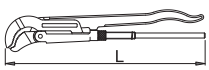
- *material: crom vanadiu*
- *tratat complet*
- *vopsit rosu*
- *falci danturate tratate prin inductie*
- *falcile asigura o blocare buna a suprafetelor plate semirotunde si rotunde*
- *in conformitate cu standardul DIN 5234 forma C*

Utilizare

- *strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*



UNIOR



601510	1/2"	35	270	475	1D	1	158.52
601511	1	50	335	800	1D	1	189.67
601512	1.1/2"	60	430	1350	1D	1	250.33
601513	2	80	550	2360	1D	1	413.93
601514	3	105	700	4370	1D	1	740.33

480/6

Clesti de tevi cu gura la 90° model suedez

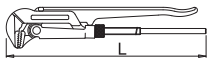
- *material: crom vanadiu*
- *tratat complet*
- *vopsit rosu*
- *falci danturate tratate prin inductie*
- *in conformitate cu standardul DIN 5234 forma A*

Utilizare

- *strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*



UNIOR



601481	1	50	325	692	1D	1	175.90
601482	1.1/2"	60	415	1200	1D	1	235.57
601483	2	80	540	2050	1D	1	388.20
601484	3	105	685	3430	1D	1	635.57
605125	4	125	750	4920	1D	1	923.11

481/6

Clesti de tevi cu gura la 45° model suedez

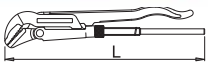
- *material: crom vanadiu*
- *tratat complet*
- *vopsit rosu*
- *falci danturate tratate prin inductie*
- *in conformitate cu standardul DIN 5234 forma B*

Utilizare

- *strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*



UNIOR



601495	1/2"	35	265	480	1D	1	154.59
601496	1	45	335	815	1D	1	187.87
601497	1.1/2"	55	430	1380	1D	1	244.75
601498	2	70	555	2330	1D	1	406.56
601499	3	95	700	4300	1D	1	705.74

400

Set de clesti instalatori si reglabili in cutie de carton



UNIOR

612599	3	2715	1F	1	614.10

482/6 (1, 1.1/2"), 447/6 (240)

492/6

Cleste industrial pentru tevi

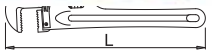
- *material: maner din aliaj special, foarte rezistent*
- *falci tratate, dintii tratati suplimentar prin inductie*
- *falci interschimbabile, fosfatate*
- *falca superioara reglabila*
- *maner vopsit*
- *falci si suruburi ca parti de schimb pentru art.492, 490 si 492L*

Utilizare

- *strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*



UNIOR



	L"			L				
601544	8	1"	34	200	375	1D	1	88.52
601545	10	1.1/2"	49	250	760	1D	1	121.97
618893	12	1.3/4"	55	300	1100	1D	1	136.07
601546	14	2"	60	350	1520	1D	1	146.39
601547	18	2.1/2"	76	450	2360	1D	1	204.26
601548	24	3"	89	600	3700	1D	1	324.26
601549	36	5"	140	900	7800	1D	1	820.16
618894	48	6"	165	1200	11200	1D	1	960.66

492.1/7

Set parti componente pentru art. 492 si 490

- *parti componente pentru clesti Stilson*



UNIOR

602699	24	1204	1E	1	298.03
602703	36	2260	1E	1	532.95
620065	48	4025	1E	1	692.30

492AL

Cleste industrial pentru tevi din aluminiu

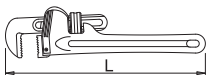
- *material: maner din aliaj de Aluminiu, foarte reziztent*
- *falci tratate, dintii tratati suplimentar prin inductie*
- *falci interschimbabile, fosfatate*
- *falca superioara reglabila*
- *falci si suruburi ca parti de schimb pentru art.492, 490 si 492L*

Utilizare

- *strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*



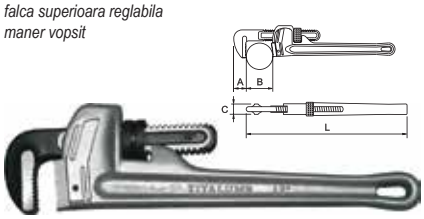
UNIOR



	L"			L				
602719	14	2"	60	330	960	1D	1	236.39
602720	18	2.1/2"	76	410	1560	1D	1	348.85
602721	24	3"	89	555	2450	1D	1	472.13
602722	36	5"	140	790	4600	1D	1	955.41

Cleste STILSON GGG-W-651-E Tip II Clasa A

- *lungimea tuturor cheilor de 60" existente pe piata este mai mica decat dimensiunea nominala, deoarece nu sunt normalizate, pentru a reduce greutatea lor*
- *material: maner din aliaj special, foarte rezistent*
- *falci tratate, dintii tratati suplimentar prin inductie*
- *falci intershimbabile, fosfatate*
- *falca superioara reglabila*
- *maner vopsit*



EGA Master ART IN INNOVATION TITALUM®

	L	A	B	C		
61044	10"	20	1.1/2"	17	500	245.46
61023	12"	23	2"	20	800	302.72
61024	14"	25	2"	23	900	335.37
61025	18"	28	2.1/2"	26	1600	490.85
61026	24"	33	3"	29	2500	777.22
61027	36"	43	5"	33	5000	1513.46
61028	48"	55	6"	35	7500	2290.68

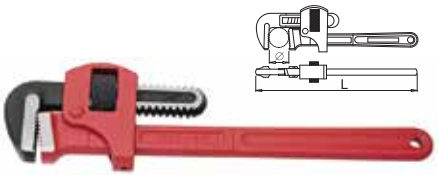
494/6

Cleste reglabil pentru tevi

- *manerul forjat din otel special*
- *falcile confectionate din otel special aliat*
- *suprafata de lucru tratata prin inductie*
- *dintii ascutiti*
- *vopsite*

Utilizare

- *strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*

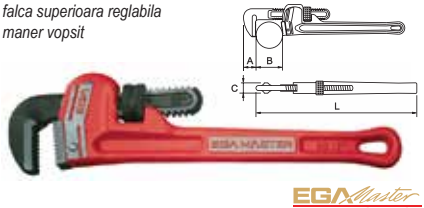


UNIOR

	L"			L				
619786	8	3/4"	27	200	280	1D	1	86.39
619787	10	1"	35	250	580	1D	1	116.39
619788	12	1.1/4"	43	300	780	1D	1	132.62
619789	14	1.1/2"	50	350	1050	1D	1	144.43
619790	18	2"	60	450	1808	1D	1	201.31
619791	24	2.1/2"	76	600	3250	1D	1	316.23
619792	36	3.1/2"	100	900	6300	1D	1	808.52

Cleste STILSON GGG-W-651-E Tip II Clasa A

- *lungimea tuturor cheilor de 60" existente pe piata este mai mica decat dimensiunea nominala, deoarece nu sunt normalizate, pentru a reduce greutatea lor*
- *material: maner din aliaj special, foarte rezistent*
- *falci tratate, dintii tratati suplimentar prin inductie*
- *falci intershimbabile, fosfatate*
- *falca superioara reglabila*
- *maner vopsit*



EGA Master ART IN INNOVATION

	L	A	B	C		
61045	60"	85	8"	41	20000	4188.66

494.1/7

Set piese de rezerva pentru art. 494/6

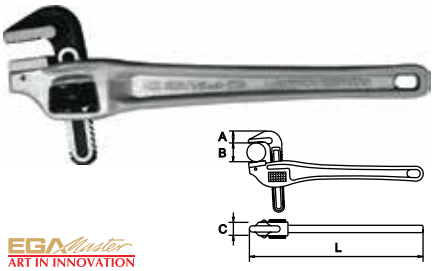


UNIOR

	L"	L				
620593	10	250	215	1E	1	48.02
620594	12	300	302	1E	1	66.79
620595	14	350	389	1E	1	84.69
620596	18	450	577	1E	1	118.43
620597	24	600	1131	1E	1	188.14
620598	36	900	1988	1E	1	411.57

Cheie aluminiu pentru tevi la 90º GGG-W-651-E, Type II Class C

- *falcile forjate complet*
- *gradatii pe falca mobila arata dimensiunea aproximativa a deschiderii pentru diferite dimensiuni ale tevilor*
- *falci din otel aliat, interschimbabile.*
- *piulita de reglare zimtata pentru o operare usoara cu o singura mana*
- *flansa mare previne rotirea involuntara a piulitei atunci cand cheia este fixata*
- *filet cu autocuratare*
- *gaura convenabila de agatare pentru depozitare usoara*
- *capatul manerului marit ajuta la prevenirea alunecarii*
- *duritate maner: 100-110 Hb*
- *duritate falci: 55-60 HRC*

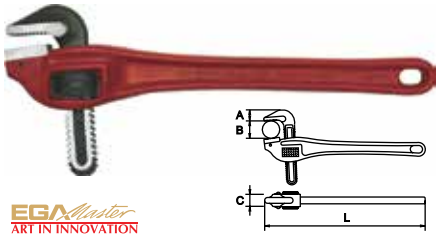


EGA Master ART IN INNOVATION

		L (inch)	A (inch)	B (mm)	C (mm)		
61363	2"	14"	25	2"	28	800	439.62
61364	2.1/2"	18"	28	2.1/2"	39	1200	610.95
61365	3"	24"	34	3"	42	2200	1018.29

Cheie pentru tevi la 90º GGG-W-651-E, Type II Class A

- *falcile forjate complet*
- *gradatii pe falca mobila arata dimensiunea aproximativa a deschiderii pentru diferite dimensiuni ale tevilor*
- *falci din otel aliat, interschimbabile.*
- *piulita de reglare zimtata pentru o operare usoara cu o singura mana*
- *flansa mare previne rotirea involuntara a piulitei atunci cand cheia este fixata.*
- *filet cu autocuratare*
- *gaura convenabila de agatare pentru depozitare usoara*
- *capatul manerului marit ajuta la prevenirea alunecarii*
- *duritate maner: 120-160 Hb*
- *duritate falci: 55-60 HRC*

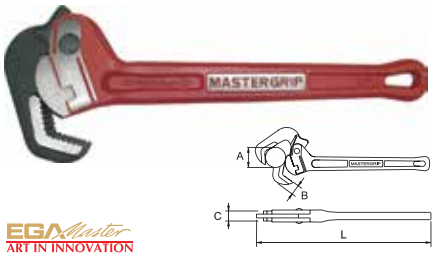


EGA Master ART IN INNOVATION

		L (inch)	A (inch)	B (mm)	C (mm)		
61377	2"	14"	25	2"	23	1600	337.45
61378	2.1/2"	18"	29	2.1/2"	26	2700	516.06

Cheie pentru tevi MASTERGRIP

- *Mastergrip-ul rapid si usor pentru utilizare cu o singura mana ofera o aderenta perfecta pentru a se potrivi tevilor in mod efectiv si eficient*
- *designul special Heavy Duty il face ideal pentru cele mai exigente lucrari, oferind o capacitate a tevii de 1/4"-1,1 / 4" pentru versiunea de 10", 1/2" la 2" in versiunea de 14" si 3/4 " la 3" in versiunea de 18", ofera, de asemenea, o functie cu clichet care face ca imbinarea tevilor filetate sa fie cu adevarat eficienta*
- *Heavy Duty pentru cele mai exigente locuri de munca*



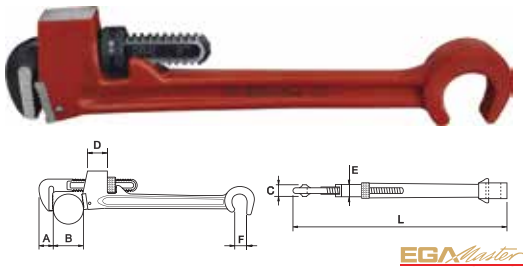
EGA Master ART IN INNOVATION

		L (inch)	A (inch)	B (mm)	C (mm)		
61405	13-46	10"	1/4-1.1/2	15	26	900	275.95
61406	17-50	14"	1/2-2	23	33	1600	340.20

Cheie pentru tevi si valve rafinarie

- *cheia pentru conducte si supape de rafinarie EGA Master este special conceputa pentru a fi utilizata in cele mai solicitante aplicatii, cum ar fi rafinariile, companiile petrochimice si conductele de petrol si gaze.*
- *acesta permite operatorului sa foloseasca o singura cheie pentru o gama larga de supape diferite*
- *designul sau unic permite deschiderea cu usurinta a supapelor.*
- *falci mobile forjate pentru operare rapida cu functie de clichet*
- *gradatiile de pe falca cu carlig arata dimensiunea aproximativa a deschiderii pentru diferite dimensiuni de teava*
- *falci de otel aliat, inlocuibile, calite de doua ori. Designul dintilor frezati cu precizie, inclinat, maximizeaza rezistenta de prindere si durata de viata a sculei.*
- *maxilarul nituit*
- *piulita de reglare moleta pentru o operare usoara cu o singura mana.*
- *flansa mare previne rotirea accidentala a piulitei atunci cand cheia este asezata*
- *rezistenta si toleranta ridicate*
- *contine o zona de lovire plata care face posibila utilizarea ca ciocan*
- *duritate maner: 120 - 160 Hb*
- *duritate falca mobila: 40-49 HRc*
- *duritate falca fixa: 55-60 HRc*
- *duritate dinti: 55-60 HRc*

Tip II / Clasa A / GGG-W-651-E



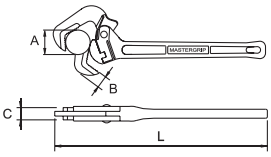
EGA Master ART IN INNOVATION

	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	F (inch)		
57580	8"	250	15	1/8-1	14	27	17	20	3/4	500	649.84
57581	10"	250	20	1/8-1.1/2	17	32	20	13	1/2	800	708.14
57582	12"	300	22	1/8-1.1/2	20	32	22	13	1/2	1000	916.20

Cheie din aluminiu pentru tevi

- *Mastergrip-ul rapid si usor pentru utilizare cu o singura mana ofera o aderenta perfecta pentru a se potrivi tevilor in mod efectiv si eficient*
- *designul special Heavy Duty il face ideal pentru cele mai exigente lucrari, oferind o capacitate a tevii de 1/4"-1,1 / 4" pentru versiunea de 10", 1/2" la 2" in versiunea de 14" si 3/4 " la 3" in versiunea de 18", ofera, de asemenea, o functie cu clichet care face ca imbinarea tevilor filetate sa fie cu adevarat eficienta*
- *Heavy Duty pentru cele mai exigente locuri de munca*





EGA Master ART IN INNOVATION

	L (inch)	A (inch)	B (mm)	C (mm)		
61407	17-80	18	3/4-3	29	50	2500 **1050.27**

487/2P

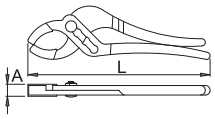
Cleste pentru sifon de scurgere

- *material: crom vanadium*
- *tratat complet*
- *finisare: cromat in conformitate cu standardul EN12540*
- *falci suplimentare de plastic pentru lucrul cu materiale moi*



UNIOR





	L	A				
612869	235	18 - 67	14.5	315	1E	10 **163.77**

487.1

Falca de plastic pentru 487/2P



UNIOR

619882	2	12	1E	1	**14.29**



Cleste STILSON GGG-W-651-E Tip II Clasa A, cap inclinat

- *falcile forjate complet*
- *gradatii pe falca mobila arata dimensiunea aproximativa a deschiderii pentru diferite dimensiuni ale tevilor*
- *falci din otel aliat, interschimbabile.*
- *piulita de reglare zimtata pentru o operare usoara cu o singura mana*
- *flansa mare previne rotirea involuntara a piulitei atunci cand cheia este fixata.*
- *filet cu autocuratare*
- *gaura convenabila de agatare pentru depozitare usoara*
- *capatul manerului marit ajuta la prevenirea alunecarii*
- *duritate maner: 120-160 Hb*
- *duritate falci: 55-60 HRC*





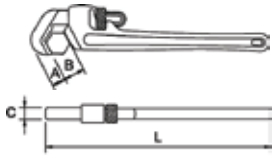
EGA Master ART IN INNOVATION

	L	A	B	C		
61029	8"	16	1"	20	350	**161.14**
61030	10"	20	1.1/2"	23	800	**218.40**
61031	12"	22	2"	26	1300	**264.87**
61032	14"	25	2"	29	1540	**297.81**
61033	18"	27	2.1/2"	33	2300	**454.05**
61034	24"	31	3"	35	4000	**680.03**

Cleste hexagonal pentru instalatori

- *falcile forjate complet*
- *gradatii pe falca mobila arata dimensiunea aproximativa a deschiderii pentru diferite dimensiuni ale tevilor*
- *falci din otel aliat, interschimbabile.*
- *piulita de reglare zimtata pentru o operare usoara cu o singura mana*
- *flansa mare previne rotirea involuntara a piulitei atunci cand cheia este fixata.*
- *filet cu autocuratare*
- *gaura convenabila de agatare pentru depozitare usoara*
- *capatul manerului marit ajuta la prevenirea alunecarii*
- *duritate maner: 120-160 Hb*
- *duritate falci: 55-60 HRC*





EGA Master ART IN INNOVATION

	L	A	B	C		
61368	14.1/2"	29	5/8"-1.1/4"	14	2100	**469.36**

63219

Lampa gaz piezoelectrica

- *capacitate: 750 g*
- *temperatura max: 1100°C*
- *se livreaza fara butelie de gaz*



EGA Master ART IN INNOVATION

	Dimensiune	°C		
63219	750	1100	750	**432.18**



352/6PB

Set de indoit tevi

- *Dimensiunea cutiei : 393 x 331 x 95*

Utilizare

- *pentru indoirea tevilor de cupru, alama, aluminiu si tevi din otel cu pereti sudati pana la 90 grade*









UNIOR

621533	10 - 22 / 11	4060	1C	1	**1759.84**

352.1/6, **352.2** (10, 12, 14, 15, 16, 18, 20, 22), **352.3** (10, 12 - 22)

352.1/6

Dispozitiv de indoit tevi

- *carcasa din aliaj special de mare durabilitate*
- *mecanism de indoire in trepte*
- *sistem de eliberare rapida*



UNIOR

621534	1140	1E	1	641.64

352.2

Adaptor pentru indoit

- *pentru indoirea tevilor de cupru, alama, aluminiu si otel cu pereti subtiri pana la 90°*



UNIOR

621535	10	73	1E	1	41.31
621536	12	97	1E	1	46.07
621537	14	139	1E	1	50.82
621538	15	134	1E	1	50.82
621539	16	128	1E	1	50.82
621540	18	241	1E	1	63.44
621541	20	219	1E	1	63.44
621542	22	272	1E	1	76.56
621543	3/8"	72	1E	1	40.82
621544	1/2"	93	1E	1	45.25
621545	5/8"	128	1E	1	62.46
621546	3/4"	229	1E	1	62.46
621547	7/8"	271	1E	1	72.62

352.3

Scula de indoit



UNIOR

621549	10	251	1E	1	124.75
621548	12 - 22	450	1E	1	186.72



Dispozitiv manual de indoit tevi

- *greutate redusa pentru indoire usoara*
- *material corp: aluminiu*
- *material manere: otel special*
- *finisare: cromare*



EGA Master ART IN INNOVATION

68010	6	-	0-180°	17	500	355.96
68005	-	1/4"	0-180°	24	500	355.96
68011	8	5/16"	0-180°	30	600	386.68
68006	-	3/8"	0-180°	30	900	447.87
68012	10	-	0-180°	46	900	447.87
68013	12	-	0-180°	46	950	479.25
68008	-	1/2"	0-180°	46	1600	602.99
68014	14	-	0-180°	17	1600	602.99
68015	15	-	0-180°	30	1700	649.47
68016	16	5/8"	0-180°	46	2200	680.10

Dispozitiv manual de indoit tevi

- *indoirea tuburilor cu parghie EGA Master sunt special concepute pentru indoirea manuală simpla si confortabila a tuburilor*
- *sunt proiectate pentru indoirea tuburilor de cupru si aluminiu*
- *acestea includ manere antiderapante pentru aderenta si confort imbunatatite*
- *greutate redusa pentru indoire usoara*
- *material corp: aluminiu*
- *posibilitate de indoire la 0 °, 45 °, 90 °, 135 ° si 180 °*



EGA Master ART IN INNOVATION

68144	10	0-180°	26	300	273.72
68145	12	0-180°	30	600	432.26
68146	14	0-180°	34	900	445.05
68147	15	0-180°	38	1400	408.91
68148	16	0-180°	40	1700	455.16
68149	18	0-180°	45	2100	589.38

Dispozitiv manual de indoit tevi 3in1

- *material corp: aluminiu*
- *corp vopsit in culoarea neagra pulbere Epoxi*



EGA Master ART IN INNOVATION

68110	-	1/8-3/16-1/4	0-90°	10	140	211.63
68111	6-8-10	1/4-5/16-3/8	0-180°	20	450	261.08

Dispozitiv manual de evazat tevi

- *greutate redusa pentru indoire usoara*
- *finisare: brunare*



EGA Master ART IN INNOVATION

68087	1/4-5/16-3/8-1/2-5/8-3/4	1400	720.41

Dispozitiv compact de evazat tevi

- *greutate redusa pentru indoire usoara*
- *finisare: brunare*



EGA Master ART IN INNOVATION

68017	3/16-1/4-5/16-3/8-7/16-1/2-5/8	1000	359.31
68018	4-4,75-6-8-10-12-14	1000	359.31

Dispozitiv de evazat tevi

- *instrumentul de evazare este ideal pentru uz profesional si este recomandat in special pentru a fi folosit cu aluminiu, cupru moale și alamă*
- *disponibil pentru tevi in inci si in milimetri.*
- *duritate turn 50-60 HRc / rigla: 20-25 HRc*
- *greutate redusa pentru indoire usoara*
- *finisare: brunare*



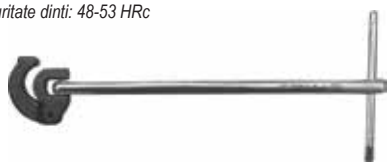
EGA Master ART IN INNOVATION

68001	3/16-1/4-5/16-3/8-7/16-1/2-5/8	950	410.69
68003	4-4,75-6-8-10-12-14	950	410.69

61008

Cheie pentru bazin standard 10-32 mm

- *material: otel special*
- *acoperire: cromare*
- *duritate dinti: 48-53 HRc*



EGA Master ART IN INNOVATION

61008	10-32	288	490	186.05

61009

Cheie pentru bazin telescopica 10-32 mm

- *material: otel special*
- *acoperire: cromare*
- *duritate dinti: 48-53 HRc*
- *maner telescopic reglabil in 4 pozitii*
- *lungime minima: 280 mm, - L1: 340 mm, - L2: 400 mm, - L3: 460 mm.*
- *falca reglabila la 180º*



EGA Master ART IN INNOVATION

	max	L		
61009	10-32	460	700	264.80

60015

Dispozitiv hidraulic indoit tevi 2" CURVAMATIC - 2

- *sistemul special si inovator de supape 2-VELO permite preincarcarea rapida, precum si o indoire moale, fara a fi nevoie sa schimbati pistoanele*
- *forta: 10 T*
- *include forme de indoit*
- *capacitate: 90º*



EGA Master ART IN INNOVATION

	Dimensiune		
60015	1/4"-2"	75000	11298.69

68206

Trusa scule pentru expandat tevi cupru moale si aluminiu 12-15-18-22 mm

- *dispozitiv de expandat tevi (cod 68175)*
- *material corp: otel carbon*
- *material varf: otel inoxidabil*
- *duritate varf: 50-55 HRc*
- *filet prindere: 1.5/8" - 11TPI*
- *capete de expandat: 12-15-18-22 mm*
- *dispozitiv de taiat tevi plastic 3-32 mm*
- *debavurator interior/exterior 4-40 mm*
- *cutie din plastic*



EGA Master ART IN INNOVATION

	Dimensiune		
68206	12-15-18-22 mm	3000	3827.64

Cheie pentru bazin



EGA Master ART IN INNOVATION

	max	L		
61000	15-32	240	500	241.23

Forme pentru indoit tevi pentru dispozitiv CURVAMATIC - 2



EGA Master ART IN INNOVATION

	Dimensiune	R		
64190	1/4", 3/8", 1/2"	86	800	130.54
64191	3/4"	108	1100	188.38
64192	1"	135	1100	318.43
64193	1.1/4"	170	2400	836.47
64194	1.1/2"	193	3000	836.47
64195	2"	242	5000	1191.67

PLASTIC PIPE CUTTER

Dispozitiv de taiat tevi plastic Ø35 mm

- *material corp: aluminiu*
- *material lama: otel inoxidabil (54-56 HRc)*
- *cu sistem de blocare*

COD LAMA SCHIMB: 64688



EGA Master ART IN INNOVATION

PB, PEX, MULTISTRAT

	Dimensiune		
63199	35 mm	175	124.11

NOU

Cheie cu clichet pentru radiator

- *setul de chei pentru radiator EGA Master este esential pentru reparatiile si/sau inlocuirea supapelor de radiator 3/8" la 1"*
- *proiectat pentru asamblarea si dezasamblarea supapelor radiatorului intr-un mod simplu si confortabil*
- *material corp (61168) Cr-V 46-50 HRc*
- *material cheie (61169): otel special 25-30 HTc*



EGA Master ART IN INNOVATION

61167	3/8-1/2-3/4-1"	490	601.43

68204

Trusa scule pentru expandat tevi cupru moale si aluminiu 12-15-22-28 mm

- *dispozitiv de expandat tevi (cod 68175)*
- *material corp: otel carbon*
- *material varf: otel inoxidabil*
- *duritate varf: 50-55 HRc*
- *filet prindere: 1.5/8" - 11TPI*
- *capete de expandat: 12-15-22-28 mm*
- *dispozitiv de taiat tevi plastic 3-32 mm*
- *debavurator interior/exterior 4-40 mm*
- *cutie din plastic*



EGA Master ART IN INNOVATION

	Dimensiune		
68204	12-15-22-28 mm	3000	3930.78

63933

Dispozitiv de taiat tevi plastic Ø63 mm

- *material corp: aluminiu*
- *material lama: otel inoxidabil (54-56 HRc)*
- *cu sistem de blocare*

COD LAMA SCHIMB: 62902



EGA Master ART IN INNOVATION

PE, PP, PB, VPE, PVDF, MLP, PPR, PE, MULTISTRAT

	Dimensiune		
67564	63 mm	1200	1237.88

61325

Cheie pentru bazin 1-1.1/4"

- *material: otel special*
- *acoperire: cromare*



EGA Master ART IN INNOVATION

	max	L		
61325	1-1.1/4	240	300	672.29

PLASTIC PIPE CUTTER

Dispozitiv de taiat tevi plastic Ø42 mm PIRAINA®

- *material corp: aliaj special de aluminiu*
- *material lama: otel special (56-62 HRc)*
- *cu sistem de blocare*
- *taieri curate cu efort minim cu lama in forma de "V"*
- *maner ergonomic anti-alunecare*



COD LAMA SCHIMB: 64045

KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTISTRAT



geometrie precisa *KEVLAR* *PVC rigid*

EGA Master ART IN INNOVATION

	Dimensiune		
63205	42 mm	550	**618.98**

TUBE PIPE CUTTER

Dispozitiv de taiat tevi plastic PIRAINA®

- *material corp: aliaj special de aluminiu*
- *material lama: otel special (56-62 HRc)*
- *cu sistem de blocare*
- *taieri curate cu efort minim cu lama in forma de "V"*
- *maner ergonomic anti-alunecare*



EGA Master ART IN INNOVATION

KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTISTRAT

	Capacitate		lame		
63846	Ø51 mm	Ø2"	64751	475	**824.88**
63847	Ø64 mm	Ø2.1/2"	64752	550	**951.44**

63202

Dispozitiv de taiat tevi plastic Ø42 mm

- *material corp: aliaj special de aluminiu*
- *material lama: otel special (56-62 HRc)*
- *cu sistem de blocare*
- *taieri curate cu efort minim cu lama in forma de "V"*
- *maner ergonomic anti-alunecare*



COD LAMA SCHIMB: 64034

EGA Master ART IN INNOVATION

KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTISTRAT

	Dimensiune		
63202	42 mm / 1.5/8"	700	**722.71**

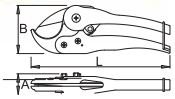
583/6

Foarfeca pentru PVC

- *material cutit-otel inox molibden, manere aliaj de aluminiu*
- *destinat pentru taierea tevilor din PVC (dim. 195 pana la 1" si dim. 210 pana la 1,5" grosime)*
- *clichet de actionare la taiere, asigura un unghi corect de taiere*



UNIOR



	L					
605418	195	1	295	1E	10	**344.92**
609405	210	1.5	385	1E	5	**426.89**

583.1/7

Cutite de schimb pentru art. 583



UNIOR

		L				
605419	1"	195	64	1E	1	**186.23**
609406	1.5"	215	67	1E	1	**219.34**

358/6A

Dispozitiv de taiat teava

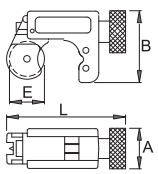
- *material: aliaj de aluminiu*
- *pentru cupru, alama, aluminiu si tevi din otel cu pereti sudati*
- *model nou-pentru tevi cu raze mici*
- *piese de schimb: role de taiere si rola port cutit*

COD ROLA SCHIMB: 626191



UNIOR





		B	A	E					
626181	3 - 16	36.5	20.5	18	50	115	1E	1	**94.26**

358.1/7A

Role de taiere pentru art. 358/6A, 360/6A si 360/6B



UNIOR

	D				
626191	19,8 x 6,2	1E	10	6	**22.46**

MINI 30

Dispozitiv de taiat tevi Cu Ø3-30 mm

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 63086



EGA Master ART IN INNOVATION

	Dimensiune		
63168	3-30 mm	210	**164.11**

360/6A

Dispozitiv de taiat teava 3-35 mm

- *schimbare rapida a rolelor*
- *buton ergonomic*
- *4 role pentru o mai bună fixare a tubului si o functionare lina*
- *rola de taiere de rezerva in maner*
- *posibila utilizare individuala a instrumentului debavurator NOGA*
- *inserție filetată din oțel pentru o durată de viata mai lunga*
- *pentru taierea tuburilor de cupru, aluminiu, inox si otel cu grosime maxima pana la 2mm*

COD ROLA SCHIMB: 626191



UNIOR

		B	E	A					
626187	3 - 35	55	19	28	135	340	1E	1	**248.52**

360/6B

Dispozitiv de taiat teava 6-76 mm

- *schimbare rapida a rolelor*
- *buton ergonomic*
- *4 role pentru o mai bună fixare a tubului si o functionare lina*
- *roata de taiere de rezerva in maner*
- *posibila utilizare individuala a instrumentului debavurator NOGA*
- *sistem de eliberare rapidă*
- *pentru taierea tuburilor de cupru, aluminiu, inox si otel cu grosime maxima pana la 2mm*

COD ROLA SCHIMB: 626191



UNIOR

		B	E	A					
626188	6 - 76	94	18	38	287	1020	1E	1	**475.90**

CLASSIC 32

Dispozitiv de taiat tevi Cu Ø3-32 mm

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 63110



EGA Master ART IN INNOVATION

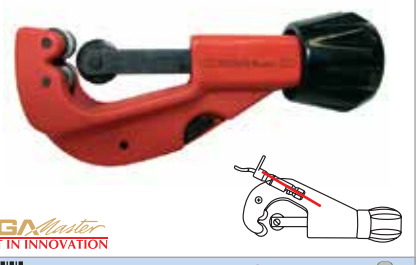
	Dimensiune		
63170	3-32 mm	300	**132.81**

TELESCOPIC 32

Dispozitiv de taiat tevi telescopic Cu Ø3-32 mm

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 63110



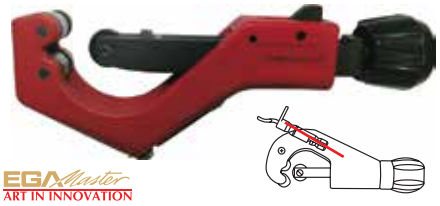
Dimensiune		
3-32 mm	290	216.17
63105		

AUTOMATIC 50

Dispozitiv de taiat tevi automat Cu Ø6-50 mm

- *gama larga de taietoare automate de tevi EGA Master este conceputa pentru taierea usoara si rapida a tuburilor de diferite materiale si dimensiuni, urmand nevoile utilizatorului. Prelucrarea sa de precizie ofera cea mai rapida si mai lina actiune.*
- *proiectate pentru taierea si alezarea tevilor de cupru, sunt extrem de robuste, compacte si usor de utilizat*
- *scara gradata marcata cu laser pentru a facilita actiunea de lucru.*
- *rola suplimentara de taiere in maner*
- *alezor extractibil poate lucra asamblat in dispozitiv sau independent*
- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 63720



Dimensiune		
6-50 mm	450	411.73
63363		



69465 NOU

Set 3 dispozitive de taiat teava Cu

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*



	L		
3-42	-	750	574.14
69465			

63097, 63170, 63119

UNIQUE 42

Dispozitiv de taiat tevi Cu Ø6-42 mm

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 63111



Dimensiune		
6-42 mm	550	326.52
63119		

AUTOMATIC 70 NOU

Dispozitiv de taiat tevi automat Cu Ø6-70 mm

- *gama larga de taietoare automate de tevi EGA Master este conceputa pentru taierea usoara si rapida a tuburilor de diferite materiale si dimensiuni, urmand nevoile utilizatorului. Prelucrarea sa de precizie ofera cea mai rapida si mai lina actiune.*
- *proiectate pentru taierea si alezarea tevilor de cupru, sunt extrem de robuste, compacte si usor de utilizat*
- *scara gradata marcata cu laser pentru a facilita actiunea de lucru.*
- *rola suplimentara de taiere in maner*
- *alezor extractibil poate lucra asamblat in dispozitiv sau independent*
- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 60265



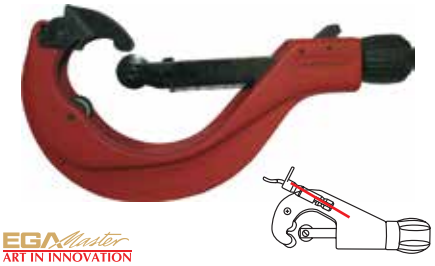
Dimensiune		
6-70 mm	1100	884.67
60359		

AUTOMATIC 127

Dispozitiv de taiat teava 127 mm

- *gama larga de taietoare automate de tevi EGA Master este conceputa pentru taierea usoara si rapida a tuburilor de diferite materiale si dimensiuni, urmand nevoile utilizatorului. Prelucrarea sa de precizie ofera cea mai rapida si mai lina actiune.*
- *proiectate pentru taierea si alezarea tevilor de cupru, sunt extrem de robuste, compacte si usor de utilizat*
- *scara gradata marcata cu laser pentru a facilita actiunea de lucru.*
- *rola suplimentara de taiere in maner*
- *alezor extractibil poate lucra asamblat in dispozitiv sau independent*
- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 64106



	L		
50-127	-	1950	1221.45
63174			

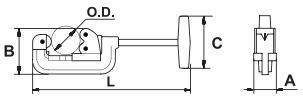
STEEL PIPE CUTTER

Dispozitiv de taiat tevi otel Ø1/8"-2"

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special*

COD ROLA SCHIMB: 63101





Dimensiune	L	A	B	C		
1/8"-2"	375	110	125	56	2500	632.73
63172						

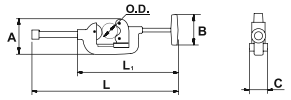
STEEL PIPE CUTTER

Dispozitiv de taiat tevi otel Ø2"-4"

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special*

COD ROLA SCHIMB: 63185





Dimensiune	L	L1	A	B	C		
2"-4"	960	560	195	170	60	8000	1600.54
63175							

361/6A

Dispozitiv de taiat teava

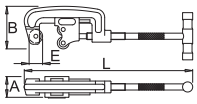
- *carcasa vopsita*
- *role tratate in ulei*

COD ROLA SCHIMB: 626193



UNIOR





		B	A	E					
10 - 60		106.5	48.5	32	455	2156	IC	1	662.62
626190									

361.1/7A

Role taiere de schimb pentru art. 361



UNIOR

1/8" - 2"		35	1E	10	45.41
626193					

MINI

Dispozitiv de taiat teava INOX 22mm

- *role de taiere din otel inoxidabil 55-60 HRC*
- *carcasa din aliaj de zinc (Zamak)*
- *parti ce se pot inlocui: role de taiere si role port cutit*

COD ROLA SCHIMB: 63113



63076	3 - 22	135	1E	1	119.27

MINI 30

Dispozitiv de taiat teava INOX 30mm

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 63087



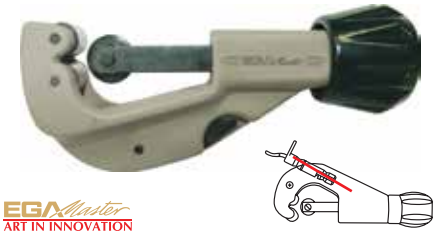
63169	6-30	-	210	182.41

TELESCOPIC 32

Dispozitiv de taiat teava INOX 32mm

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 63113



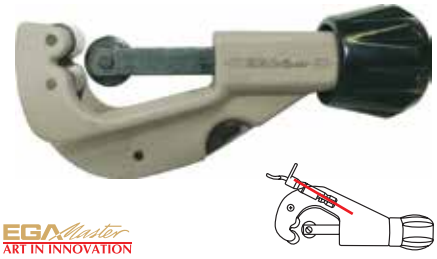
63118	3-32	-	290	252.53

UNIQUE

Dispozitiv de taiat teava INOX 42mm

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 63114



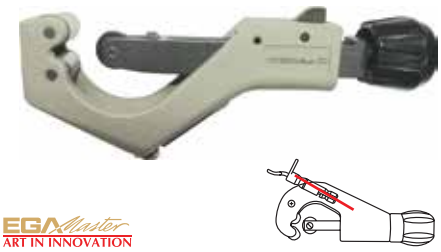
63121	6-42	-	550	364.14

AUTOMATIC 50

Dispozitiv de taiat teava INOX 50mm

- *gama larga de taietoare de teava Inox de la EGA Master este conceputa pentru taierea usoara si rapida a tevilor de diferite materiale si dimensiuni, an conformitate cu necesitatile utilizatorului. Prelucrarea sa de precizie asigura cea mai rapida si mai usoara actiune*
- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 63721



63364	6-50	-	450	448.10

AUTOMATIC 70

NOU

Dispozitiv de taiat teava INOX 70 mm

- *gama larga de taietoare de teava Inox de la EGA Master este conceputa pentru taierea usoara si rapida a tevilor de diferite materiale si dimensiuni, an conformitate cu necesitatile utilizatorului. Prelucrarea sa de precizie asigura cea mai rapida si mai usoara actiune*
- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*

COD ROLA SCHIMB: 60218



60379	6-70	-	1100	973.16

69548

Set 3 dispozitive de taiat teava INOX

- *material corp: aliaj aluminiu*
- *material rola taietoare: otel special (55-60 HRc)*



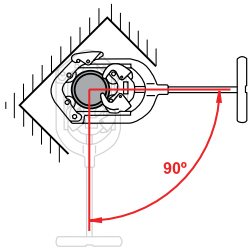
63126	3-42	-	750	709.62

63076, 63094, 63121

Dispozitiv articulat cu role pentru taiat tevi din otel

- *cele patru muchii taietoare fac acest dispozitiv de taiere scula ideala pentru spatii restranse unde nu este posibila o rotatie completa*
- *utilizatorul nu are nevoie de mai mult de 90º de rotatie*
- *material corp: fonta ductila*
- *material rola: otel special*
- *material ax role si surub: otel special*
- *duritate rola: 53-64 HRc*
- *durita teax rola: 42-48 HRc*
- *finisare corp: vopsit in pudra Epoxi culoare rosu ral-2002 semi-texturat*







63355	2"-4"	8.6	64173	80092	6000	7305.41
63356	4"-6"	8.6	64174	80093	9000	8853.31
63357	6"-8"	8.6	64175	80093	11000	12381.94
63358	8"-12"	8.6	64176	80093	16000	14858.15

Role taietoare pentru dispozitivul articulat cu role pentru taiat tevi din otel

- *material corp: otel special*
- *material rola taietoare: otel special (53-64 HRc)*



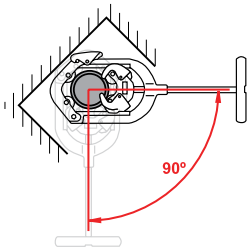
64173	2"-4"	8.6	63355	1	181.44
64174	4"-6"	8.6	63356	1	181.44
64175	6"-8"	8.6	63357	1	181.44
64176	8"-12"	8.6	63358	1	181.44



Dispozitiv articulat cu role pentru taiat tevi din otel inoxidabil

- *cele patru muchii taietoare fac acest dispozitiv de taiere scula ideala pentru spatii restranse unde nu este posibila o rotatie completa*
- *utilizatorul nu are nevoie de mai mult de 90º de rotatie*
- *material corp: fonta ductila*
- *material rola: otel special*
- *material ax role si surub: otel special*
- *duritate rola: 53-64 HRc*
- *duritateax rola: 42-48 HRc*
- *finisare corp: vopsit in pudra Epoxi culoare rosu ral-2002 semi-texturat*







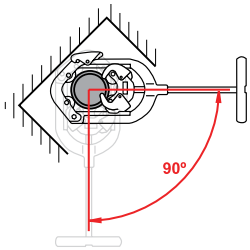
63359	2"-4"	8.6	64196	80092	6000	7305.41
63360	4"-6"	8.6	64197	80093	9000	8853.31
63361	6"-8"	8.6	64198	80093	11000	12381.94
63362	8"-12"	8.6	64199	80093	16000	14858.15

NOU

Dispozitiv articulat cu role pentru taiat tevi din fonta si fonta ductila

- *cele patru muchii taietoare fac acest dispozitiv de taiere scula ideala pentru spatii restranse unde nu este posibila o rotatie completa*
- *utilizatorul nu are nevoie de mai mult de 90º de rotatie*
- *material corp: fonta ductila*
- *material rola: otel special*
- *material ax role si surub: otel special*
- *duritate rola: 53-64 HRc*
- *duritateax rola: 42-48 HRc*
- *finisare corp: vopsit in pudra Epoxi culoare rosu ral-2002 semi-texturat*







63772	2"-4"	8.6	64654	80092	6000	7390.04
63773	4"-6"	8.6	64655	80093	9000	8938.15
63774	6"-8"	8.6	64655	80093	11000	12465.82
63775	8"-12"	8.6	64655	80093	16000	14943.07

61206

Menghina cu lant pentru tevi

- *carcasa din aliaj special de mare durabilitate*
- *carcasa vopsita,bacuri protejate anti-coroziune, celelalte parti zincate*
- *poate fi montata pe trepied portabil*
- *falci speciale in forma de V din otel forjat, imbinate intr-o configuratie H pentru sprijinul centrat al tevii*
- *material corp: otel turnat*
- *material menghina: otel turnat*
- *material lant: otel special*
- *duritate zale: 44-50 HRc*
- *duritate ax: 50-57 HRc*
- *duritate menghina: 50-60 HRc*
- *finisare corp: vopsit in pudra Epoxi culoare rosu ral-2002 semi-texturat*



61206	1/8" - 6"	200	12000	1E	1	1869.20

Menghina portabila pentru tevi

- *deschiderea culisanta ofera posibilitatea de pozitionare rapida si simpla a elementelor ce urmeaza a fi fixate*
- *duritatea falcilor special controlata si testata la strangere 50-60 HRc*



61199	1/8"-2"	10 - 60	5500	1826.89

NOU

Role taietoare pentru dispozitivul articulat cu role pentru taiat tevi din otel inoxidabil

- *material corp: HSS*
- *material rola taietoare: otel HSS (53-64 HRc)*



64196	2"-4"	8.6	63359	1	202.48
64197	4"-6"	8.6	63360	1	202.48
64198	6"-8"	8.6	63361	1	202.48
64199	8"-12"	8.6	63362	1	202.48

NOU

Role taietoare pentru dispozitivul articulat cu role pentru taiat tevi din fonta si fonta ductila

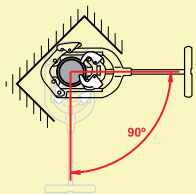
- *material corp: otel special*
- *material rola taietoare: otel special (53-64 HRc)*



64654	2"-4"	8.6	63772	1	265.84
	4"-6"		63773		
EGA-64655	6"-8"	8.6	63774	1	265.84
	8"-12"		63775		

Scopul urmatoarelor instrucțiuni este de a optimiza lucrul cu aceasta unealta, precum si de a prelungi durata de viata utils a lamelor sale si de a obtine un rezultat satisfacator pentru utilizator. Nerespectarea acestor paai poate duce la ruperea prematura a lamei, taierea slabă si/sau finalizarea lucrarii inutil de lunga.

1. POZITIONAREA





- *Rotiti manerul pentru a deschide taietorul suficient pentru a se potrivi cu diametrul tubului de taiat.*
- *Asezati unealta perpendicular pe teava cu ghidajele arcului in sus. Atasati furca inferioara si fixati-o apasand in sus. Rotiti manerul taietorului pana cand rolele fac un contact usor cu teava in mod uniform.*

1. MARCAREA TAIERII



- *Cu suprafata tevii cat mai curata posibil, incepeti sa marcati taietura prin miscarea taietorului inainte si inapoi cu oscilatii de 90 pana la 110 de grade, strangand manerul cu aproximativ 60º (mai putin de un sfert de tura) la fiecare doua oscilatii.*
- *Verificati daca rolele urmeaza aceeasi cale de taiere. Daca nu, corecteaza pozitia inainte de a continua lucrarea, asigurand perpendicularitatea fata de teava.*

1. FINISAREA TAIERII



- *Odata marcata taierea, viteza de lucru poate fi accelerata. Strsngerea excesiva a taietorului este contraproductiva; taierea mai adanca, dar mai lent si mai probabil sa rupa rolele.*

PIPE VICE 42

Menghina pentru tevi

- *deschiderea culisanta ofera posibilitatea de pozitionare rapida si simpla a elementelor ce urmeaza a fi fixate*
- *duritatea falcilor special controlata si testata la strangere 50-60 HRc*
- *UNE 165649- GGG-C-771*



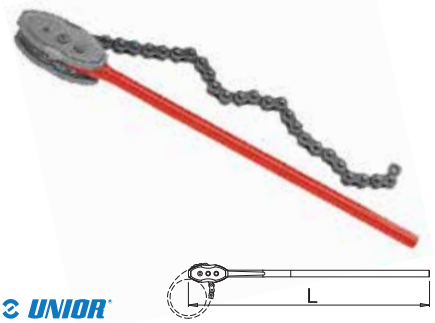
EGA Master ART IN INNOVATION

61202	1/8"-2"	10 - 60	4000	769.71
61204	1/8"-3"	10 - 89	8000	1259.60
61205	1/8"-4"	10 - 114	12000	1658.17

484/6

Clesti cu lant

- *material: otel carbon*
- *falci forjate*
- *falci cu nervuri cu dantura tratata prin inductie*
- *falca rotitoare*
- *maner vopsit, celelalte parti tratate anti-coroziune*



UNIOR

601530	4	160	760	6735	1C	5	1194.10
601531	6	200	915	9238	1C	5	1849.84
601532	8	300	1130	13000	1C	5	2660.33
601533	12	400	1250	18000	1C	5	3463.28

484.1/7

Lant pentru art. 484



UNIOR

602707	4	626	1435	1F	1	981.66
602710	6	829	1975	1F	1	1138.82
602713	8	1038	2500	1F	1	1802.90
602716	12	1414	3000	1F	1	2733.44

484.2/7

Falca pentru art. 484



UNIOR

602708	4	775	1F	1	841.20
602711	6	2160	1F	1	883.20
602717	12	5161	1F	1	1275.66

484.3/7

Surub de schimb pentru art. 484

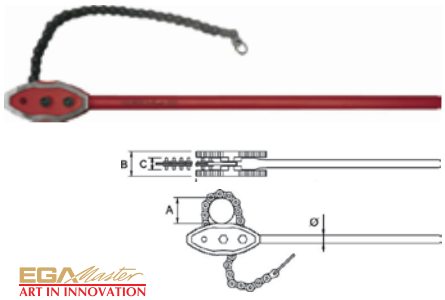


UNIOR

602709	4	124	1E	10	57.66
602712	6	129	1E	10	75.39
602715	8	198	1E	10	94.50
602718	12	300	1E	10	139.60

Cheie cu lant pentru tevi

- *cheia pentru teavi reversibila Ega Master are un maner si o falca din otel forjat*
- *ideala pentru utilizare in spatii sigure*
- *un sistem cu doua falci ofera o actiune rapida, asemanatoare clichetului, in ambele directii*
- *utilizare la conducte de pana la 20" diametru, adaptabila la orice forma pentru cele mai exigente industrii*
- *manerul si falcile sunt din otel forjat, oferind o rezistenta mai mare la strangere si siguranta completa datorita structurii robuste*
- *falci cu duritate de pana la 60 HRc prin tratament dublu, asigurand o aderenta perfecta cu o durabilitate mai mare*



EGA Master ART IN INNOVATION

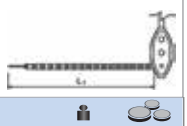
57090	2.1/2"	700	480	50	22	64760	3800	966.61
55605	4"	900	750	65	36	55610	8200	1120.02
55606	4"	950	600	65	36	55610	7000	1167.76
55608	6"	1000	800	65	36	55611	9500	2226.51
55609	6"	1100	1100	65	36	55611	8300	2446.84
61038	8"	1200	1050	70	36	64083	13000	2866.68
57093	8"	1300	950	70	36	64083	14000	3225.32
61039	10"	1300	1200	70	36	64084	14000	4083.29
61138	12"	1400	1350	70	36	64128	17000	5241.98
57094	12"	1600	1350	70	36	64128	18000	5671.86
61139	16"	1600	1500	70	36	64129	21000	6803.26
62050	18"	1600	2000	70	38	64906	23000	7103.67
57095	18"	2200	1950	70	38	64906	21000	7762.81
62051	20"	1600	2600	70	38	64907	24000	7538.61

NOU

Lant cheie cu lant pentru tevi

- *duritate zale: 44-48 HRc*
- *duritate pini: 50-54 HRc*

EGA Master ART IN INNOVATION

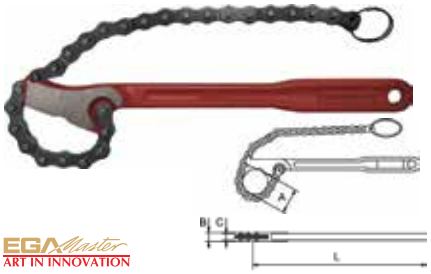


64760	2.1/2"	480	22	3750	223.31
55610	4"	750	36	8400	344.81
55611	6"	800	36	10510	500.15
64083	8"	1050	36	12000	638.09
64084	10"	1200	36	15000	842.21
64128	12"	1350	36	16800	1091.32
64129	16"	1500	36	17200	1585.52
64906	18"	2000	38	21000	1776.85
64907	20"	2600	38	23000	2058.15

NOU

Cheie reversibila cu lant pentru tevi

- *GGG-W-00651e Type III Class A*
- *test de indoire (conform standardului UNE-16555-2-98, 650 Nm)*
- *material maner: otel forjat*
- *material lant: otel special*
- *duritate generala: 30-45 HRc*
- *duritate dinti: 52-60 HRc*
- *duritate zale: 44-48 HRc*
- *duritate pini: 50-54 HRc*



EGA Master ART IN INNOVATION

61035	4"	20	20	300	800	283.46

NOU

Cheie cu curea pentru tevi

- *material corp: aluminiu*
- *curea: nylon*
- *capacitate maxima: 12"*



EGA Master ART IN INNOVATION

61480	3"	43	27	300	450	300	300.12
61481	8"	43	27	300	1000	300	326.15
61482	12"	43	27	300	1200	400	351.21

61579

Perie de sarma INOX 4 randuri cu maner plastic

- *material: otel inoxidabil*



EGA Master ART IN INNOVATION

61579	4	280	120	90.42

61578

NOU

Perie de sarma alama cu maner plastic

- *densitate mare a firului pentru o presiune mai mare de periere*
- *corpul sau ingust permite să ajungă in locuri inaccesibile*
- *versatilitate si usurinta in utilizare*



otel inoxidabil



otel alamit

EGA Master ART IN INNOVATION

61577	otel inoxidabil	250	100	57.48
61578	otel alamit	250	100	27.22

TRISTAND

Tripod cu menghina cu lant 6”

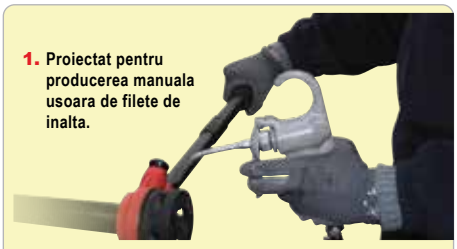
- *picioare pliabile spre interior pentru transport usor.*
- *3 picioare care asigura stabilitate maxima*
- *pentru a permite miscarea libera a lucrarii, baza presei se intinde intre picioarele din fata*
- *suprafata de lucru: aluminiu*
- *falci: otel special 55-60 HRc*
- *lant: otel special 44-48 HRc*
- *ax: 50-54 HRc*
- *finisare corp: vopsit in pudra Epoxi culoare rosu ral-2002 semi-texturat*



UNE 16560 / GGG-V-436

EGA Master ART IN INNOVATION

61200	1/8”-6”	10-170	21000	5991.16



1. Proiectat pentru producerea manuala usoara de filete de inalta.



2. Gat mai lung, permitand o pozitionare mai buna si reducand vibratiile pentru a imbunatati calitatea filetului si ajutand la indepartarea capului cu clichet.

3. Include o gama de dimensiuni ale capului care acopera toate cerintele.

4. Seturile de matrite sunt disponibile pentru firele BSPT, NPT si BSPP.

63137

Trusa de filetat NPT 1/2”-2”

- *capete de filetat cu bacuri din otel special 58-62 HRc*
- *clichet din aliaj de aluminiu 45-50 HRc*



EGA Master ART IN INNOVATION

	Dimensiune		
63137	1/2”-2”	12000	3923.05

1/2”; 3/4”; 1”; 1.1/4”; 1.1/2”; 2”

63031

Trusa de filetat NPT 1/2”-1”

- *capete de filetat cu bacuri din otel special 58-62 HRc*
- *clichet din aliaj de aluminiu 45-50 HRc*



EGA Master ART IN INNOVATION

	Dimensiune		
63031	1/2”-1”	5100	1926.54

1/2”; 3/4“; 1”

63021

Trusa de filetat BSPT 3/8”-1.1/4”

- *capete de filetat cu bacuri din otel special 58-62 HRc*
- *clichet din aliaj de aluminiu 45-50 HRc*



EGA Master ART IN INNOVATION

	Dimensiune		
63021	3/8”-1.1/4”	5100	2708.22

3/8”; 1/2”; 3/4“; 1”; 1.1/4”

63022

Trusa de filetat BSPT 1/2”-1.1/4”

- *capete de filetat cu bacuri din otel special 58-62 HRc*
- *clichet din aliaj de aluminiu 45-50 HRc*



EGA Master ART IN INNOVATION

	Dimensiune		
63022	1/2”-1.1/4”	5100	2372.55

1/2”; 3/4“; 1”; 1.1/4”

63024

Trusa de filetat BSPT 3/8”-1”

- *capete de filetat cu bacuri din otel special 58-62 HRc*
- *clichet din aliaj de aluminiu 45-50 HRc*



EGA Master ART IN INNOVATION

	Dimensiune		
63024	3/8”-1”	5100	2262.42

3/8”; 1/2”; 3/4“; 1”

63025

Trusa de filetat BSPT 1/2”-1”

- *capete de filetat cu bacuri din otel special 58-62 HRc*
- *clichet din aliaj de aluminiu 45-50 HRc*



EGA Master ART IN INNOVATION

	Dimensiune		
63025	1/2”-1”	5100	1926.54

1/2”; 3/4“; 1”

63132

Trusa de filetat BSPT 1/2”-2”

- *capete de filetat cu bacuri din otel special 58-62 HRc*
- *clichet din aliaj de aluminiu 45-50 HRc*



EGA Master ART IN INNOVATION

	Dimensiune		
63132	1/2”-2”	5002	3923.05

1/2”; 3/4“; 1”; 1.1/4”; 1.1/2”; 2”

63010

Antrenor trusa de filetat BSPT 1.1/4"/2"

- *clichet din otel special 45-50 HRc*
- *material: aliaj din aluminiu*



EGA Master ART IN INNOVATION



	Dimensiune		
63010	1.1/4"/2"	1 / 3000	**901.70**

Set bacuri BSPT

- *capete de filetat cu bacuri din otel special 58-62 HRc*



EGA Master ART IN INNOVATION

	Dimensiune		
63041	3/8"	1 / 70	**183.22**
63042	1/2"	70	**183.22**
63043	3/4"	70	**183.22**
63044	1"	130	**183.22**
63046	1.1/2"	230	**293.80**

Capete de filetat BSPT

- *capete de filetat cu bacuri din otel special 58-62 HRc*



EGA Master ART IN INNOVATION

	Dimensiune		
63002	3/8"	1 / 600	**343.77**
63003	1/2"	600	**343.77**
63004	3/4"	500	**343.77**
63005	1"	800	**376.19**
63008	1.1/2"	1900	**745.02**

63166

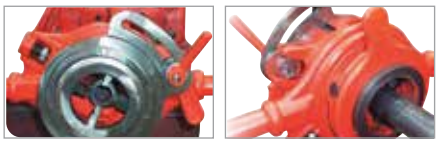
NOU

Filiera reglabila NPT 1.1/2"-4"

- *filiera manuala reglabila EGA Master permite filetarea tevilor de la 1/4" la 4". Datorita sistemelor lor de pozitionare automata, bacurile sunt reglate usor si rapid*
- *fabricat cu un design robust pentru a facilita filetarea tevilor din fier si otel in conditii nefavorabile de santier*
- *sisteme automate de pozitionare, pentru reglarea usoara si rapida a matritelor*
- *are 2 brate detasabile pentru a usura munca.*
- *ghidajele din spate reglabile, care permit centrarea bacurilor pe teava*
- *parghie de deschidere care permite deschiderea bacurilor de pe teava, finisarea filetului pentru indepartarea aschiilor si scoaterea filetului.*



EGA Master ART IN INNOVATION



	Dimensiune	Ambalare	
63166	1.1/2-4"	1	**9109.33**

63167

Filiera reglabila NPT 2.1/4"-4"

- *filiera manuala reglabila EGA Master permite filetarea tevilor de la 1/4" la 4". Datorita sistemelor lor de pozitionare automata, bacurile sunt reglate usor si rapid*
- *fabricat cu un design robust pentru a facilita filetarea tevilor din fier si otel in conditii nefavorabile de santier*
- *sisteme automate de pozitionare, pentru reglarea usoara si rapida a matritelor*
- *are 2 brate detasabile pentru a usura munca.*
- *ghidajele din spate reglabile, care permit centrarea bacurilor pe teava*
- *parghie de deschidere care permite deschiderea bacurilor de pe teava, finisarea filetului pentru indepartarea aschiilor si scoaterea filetului.*



EGA Master ART IN INNOVATION



	Dimensiune	Ambalare	
63167	2.1/4-4"	1	**8149.63**

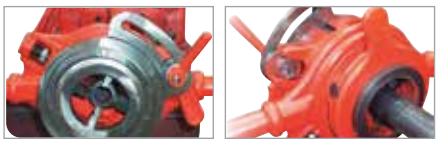
63162

Filiera reglabila NPT 1/4"-2"

- *filiera manuala reglabila EGA Master permite filetarea tevilor de la 1/4" la 4". Datorita sistemelor lor de pozitionare automata, bacurile sunt reglate usor si rapid*
- *fabricat cu un design robust pentru a facilita filetarea tevilor din fier si otel in conditii nefavorabile de santier*
- *sisteme automate de pozitionare, pentru reglarea usoara si rapida a matritelor*
- *are 2 brate detasabile pentru a usura munca.*
- *ghidajele din spate reglabile, care permit centrarea pacurilor pe teava*
- *parghie de deschidere care permite deschiderea bacurilor de pe teava, finisarea filetului pentru indepartarea aschiilor si scoaterea filetului.*



EGA Master ART IN INNOVATION



	Dimensiune	Ambalare	
63162	1/4-2"	1	**4966.10**

63163

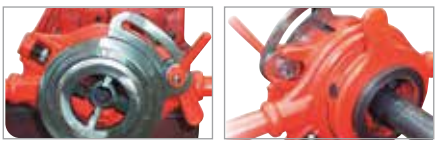
NOU

Filiera reglabila NPT 1/2"-2"

- *filiera manuala reglabila EGA Master permite filetarea tevilor de la 1/4" la 4". Datorita sistemelor lor de pozitionare automata, bacurile sunt reglate usor si rapid*
- *fabricat cu un design robust pentru a facilita filetarea tevilor din fier si otel in conditii nefavorabile de santier*
- *sisteme automate de pozitionare, pentru reglarea usoara si rapida a matritelor*
- *are 2 brate detasabile pentru a usura munca.*
- *ghidajele din spate reglabile, care permit centrarea pacurilor pe teava*
- *parghie de deschidere care permite deschiderea bacurilor de pe teava, finisarea filetului pentru indepartarea aschiilor si scoaterea filetului.*



EGA Master ART IN INNOVATION



	Dimensiune	Ambalare	
63163	1/2-2"	1	**4966.10**

ROSCAMATIC 50 - 2

Masina electrica stationara de filetat 1/4”-2”

- *aceasta masina de filetat poate fileta tevi de pana la 2" si bare pana la 39 mm cu motor universal intr-un mod sigur si eficient*
- *orice schimbare a accesoriilor poate fi realizata in cateva secunde, facilitand o functionalitate eficienta*
- *conceputa pentru a fi utilizata in industria instalatiilor si constructiilor, pentru cei mai pretentiosi utilizatori.*
- *EGA Master Roscamatic 50-2 poate fileta, taia si aleza tevi de fier si otel de pana la 2” si bare de pana la 52 mm usor si convenabil*
- *extrem de silentios, sub 80 dB, prag de siguranta auditiva*
- *acesta face masina sa functioneze lin si silentios, datorita motorului sau cu inductie, care nu pierde viteza sub sarcina si nu are nevoie de intretinere*
- *conexiune pentru pedala inclusa*
- *masina compacta, usor de utilizat si extrem de eficienta*
- *are un circuit autolubrifiant cu ulei de taiere (inclus)*
- *include 3 picioare pentru sustinere, care au fost proiectate cu o panta adecvata pentru a asigura permanenta uleiului în circuit*
- *filierele, rolele de taiere, alezorul si pedala Roscamatic 50-2 sunt complet interschimbabile*
- *IMPORTANT: Nu folositi niciodata substante de racire lichide sau alte produse pe baza de apa; trebuie utilizat numai ulei de filetat*









		Capacitate	W						
56950	BSPT	1/4”-2”	1100	1/2-3/4", 1-2"	•	•	2 l	73000	23392.79

ROSCAMATIC 80 - 3

Masina electrica stationara de filetat 1/2”-3”

- *aceasta masina de filetat poate fileta tevi de pana la 3" cu motor universal intr-un mod sigur si eficient*
- *orice schimbare a accesoriilor poate fi realizata in cateva secunde, facilitand o functionalitate eficienta*
- *conceputa pentru a fi utilizata in industria instalatiilor si constructiilor, pentru cei mai pretentiosi utilizatori.*
- *EGA Master Roscamatic 80-3 poate fileta, taia si aleza tevi de fier si otel de pana la 3”*
- *viteza de rotatie: (1/2-2") = 24 rpm / (2.1/2-3") = 12 rpm*
- *extrem de silentios, sub 80 dB, prag de siguranta auditiva*
- *acesta face masina sa functioneze lin si silentios, datorita motorului sau cu inductie, care nu pierde viteza sub sarcina si nu are nevoie de intretinere*
- *conexiune pentru pedala inclusa*
- *masina compacta, usor de utilizat si extrem de eficienta*
- *are un circuit autolubrifiant cu ulei de taiere (inclus)*
- *include 4 picioare pentru sustinere, care au fost proiectate cu o panta adecvata pentru a asigura permanenta uleiului în circuit*
- *filierele, rolele de taiere, alezorul si pedala Roscamatic 80-3 sunt complet interschimbabile*
- *IMPORTANT: Nu folositi niciodata substante de racire lichide sau alte produse pe baza de apa; trebuie utilizat numai ulei de filetat*









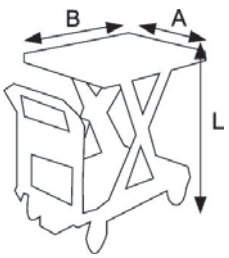
		Capacitate	W						
56955	BSPT	1/2”-3”	1000	1/2-3/4", 1-2", 2.1/2-3"	•	•	5 l	114000	35089.39

60184

Elevator hidraulic 500 kg

- *echipat cu 4 roti, 2 fixe si 2 pivotante.*
- *capacitate de pana la 500 kg*
- *vopsit in rosu epoxidic RAL-2002 semitexturat*





	Capacitate	A	B	L min.-max.		
60184	500	600	900	295 - 1020	12500	11704.62

Carucior pentru masini stationare de filetat

- *nu este valabil pentru modelele „COMB”.*



	Capacitate		
EGA60181	ROSCAMATIC 50-2"	30000	7601.81
EGA60180	ROSCAMATIC 80-3"	28000	7981.87
EGA60182	ROSCAMATIC 100-4"	28000	8380.78

ROSCAMATIC 100 - 4

Masina electrica stationara de filetat 1/2”-4”

- *aceasta masina de filetat poate fileta tevi de pana la 4" si bare pana la 52 mm cu motor universal intr-un mod sigur si eficient*
- *orice schimbare a accesoriilor poate fi realizata in cateva secunde, facilitand o functionalitate eficienta*
- *conceputa pentru a fi utilizata in industria instalatiilor si constructiilor, pentru cei mai pretentiosi utilizatori.*
- *EGA Master Roscamatic 80-3 poate fileta, taia si aleza tevi de fier si otel de pana la 4”*
- *viteza de rotatie: (1/2-2") = 22 rpm / (2.1/2-4") = 10 rpm*
- *extrem de silentios, sub 80 dB, prag de siguranta auditiva*
- *acesta face masina sa functioneze lin si silentios, datorita motorului sau cu inductie, care nu pierde viteza sub sarcina si nu are nevoie de intretinere*
- *conexiune pentru pedala inclusa*
- *masina compacta, usor de utilizat si extrem de eficienta*
- *are un circuit autolubrifiant cu ulei de taiere (inclus)*
- *include 4 picioare pentru sustinere, care au fost proiectate cu o panta adecvata pentru a asigura permanenta uleiului în circuit*
- *filierele, rolele de taiere, alezorul si pedala Roscamatic 100-4 sunt complet interschimbabile*
- *IMPORTANT: Nu folositi niciodata substante de racire lichide sau alte produse pe baza de apa; trebuie utilizat numai ulei de filetat*









		Capacitate	W						
56960	BSPT	1/2”-4”	1000	1/2-3/4", 1-2", 2.1/2-3"	•	•	5 l	128000	**56173.44**

ROSCAMATIC 2” COMBI

Masina electrica stationara de filetat 1/2”-2”

- *aceasta masina de filetat poate fileta tevi de pana la 2" si bare pana la 39 mm cu motor universal intr-un mod sigur si eficient*
- *orice schimbare a accesoriilor poate fi realizata in cateva secunde, facilitand o functionalitate eficienta*
- *conceputa pentru a fi utilizata in industria instalatiilor si constructiilor, pentru cei mai pretentiosi utilizatori.*
- *motor puternic de 1500 W asigura o filetare precisa de fiecare data*
- *viteza de rotatie: 38 rpm*
- *conexiune pentru pedala inclusa*
- *masina compacta, usor de utilizat si extrem de eficienta*
- *include stand cu 3 picioare pentru sustinere, care au fost proiectate pentru stabilitate si comfort in utilzare*
- *filierele, rolele de taiere, alezorul si pedala Roscamatic 2 COMBI sunt complet interschimbabile*
- *IMPORTANT: Nu folositi niciodata substante de racire lichide sau alte produse pe baza de apa; trebuie utilizat numai ulei de filetat*



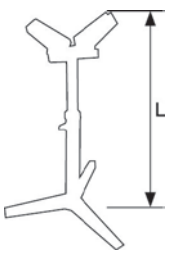
		Capacitate	W						
56062	BSPT	1/2”-2”	1500	1/2-3/4", 1-2"	•	•	-	80000	**43815.28**

60179

Suport reglabil cu role pentru tevi

- *suportul pentru conducte EGA Master este conceput pentru a sustine conductele pana la 100 kg, facilitand filetarea si canelarea, lasand mana libera a operatorului.*
- *reglare usoara a inaltimii, de la 750 mm pana la 1200 mm, adaptandu-se perfect la orice masina*
- *greutate redusa, facilitand transportul.*
- *design cu role in V pentru pozitionarea precisa a tevilor*





	Capacitate	L min.-max.		
EGA60179	20-190	750 - 1200	5000	**3438.85**

64002

Ulei de filetat in bidon

- *ulei mineral aditivat cu agenti antirust*
- *fara clor*

Date fizice si chimice:

- *aspect: lichid limpede*
- *miros: bland*
- *punct de aprindere: <190 °C*
- *densitate: 0,89 +/- 0,05 @ 20°C*
- *vascozitate cinematica: 45 cSt +/- 5% @ 40°C*
- *punct de curgere:-12°C*
- *solubilitate: insolubil in apa*
- *culoare: coniac*



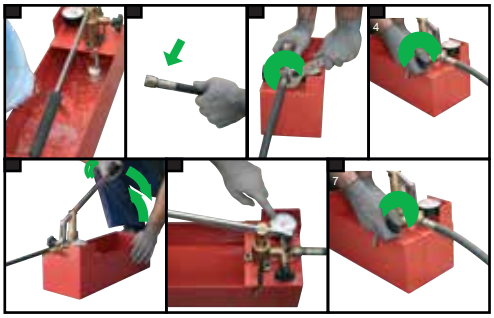
	Capacitate		
64002	5 litri	4500	**479.05**

60005

Pompa de testat tevi

- *valva: bronz*
- *maner de actionare: zincat*
- *manometru: 0-60 bar (0-860 Psi)*
- *racord manometru: 1/4" BSP*
- *racord furtun evacuare: 1/2" BSP*
- *furtun cu 2 racorduei 1/2" BSP*
- *lungime furtun: 1,5 m*
- *diametru exterior furtun: 19 mm*
- *capacitate rezervor: 12 litri*





1. Umpleti rezervorul cu apa curata. Filtrul trebuie sa fie întotdeauna plasat corect
2. Conectati furtunul la instalatia verificata
3. Conectati furtunul la pompa, asigurati-va ca nu exista scurgeri
4. Inchideti robinetul
5. Pompati pana atingeti presiunea de testat
6. Lasati pompa la presiunea necesara in timpul testarii
7. Deschideti robinetul permitand apei sa iasa

EGA Master ART IN INNOVATION

	Dimensiune	Capaciate	Conexiune		
60005	60 bar	12 l	1/2"	7700	**2312.29**

Pompa INOX de testat tevi

- *costructie metalica, robusta pentru lucrari grele in instalatii*
- *rezervor din otel inoxidabil, rezistent la coroziune, 12 litri*
- *sistem de reglare rapida a presiunii cu o singura valva*
- *manometru de presiune usor de citit*
- *stabilitate maxima*
- *racorduri 1/2"*



EGA Master ART IN INNOVATION

	litri	presiune	dimensiuni		
60011	12	60=860 Psi	500x180x275	7700	**3369.78**
60012	12	100=1440 Psi	500x180x275	7700	**3602.11**

Dispozitiv de debavurat tevi interior/exterior

- *material corp: plastic*
- *material lama: otel special*
- *pentru tevi din: Cu, otel, plastic, inox, alamă, aluminiu*



EGA Master ART IN INNOVATION

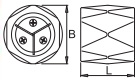
	Dimensiune		
63958	8-35 mm	250	**911.22**
63959	10-54 mm	500	**1182.56**

363A

Dispozitiv de debavurat tevi interior/exterior Ø3-42 mm

- *eliminarea arderilor la interiorul sau exteriorul partilor evazate ale tevilor*
- *lamele de taiere din otel carbon special, tratat*





UNIOR

	Dimensiune		
626249	3-42 mm	35	**74.43**

63085

Dispozitiv de debavurat tevi interior/exterior Ø40 mm

- *material corp: plastic*
- *material lama: otel special*
- *pentru tevi din: cupru, alama, aluminiu*



EGA Master ART IN INNOVATION

	Dimensiune		
63085	40 mm	235	**171.03**

BC-DE

Debavurator dublu cu doua lame HSS rotunde

- *lama rotunda HSS (2 bucati)*



BOC BOHRCRAFT

16550300001	1	**225.74**

BC-HK

Maner pentru suport lame de debavurare

- *pentru suporturi tip BC-TKB si BC-TKE*



BOC BOHRCRAFT

16500300001	1	**82.79**

BC-HE

Maner universal pentru lame de debavurare

- *pentru toate tipurile de lame BC E*



BOC BOHRCRAFT

16500300002	1	**86.72**

BC-TKB

Suport pentru lame de debavurare

- *pentru toate tipurile de lame BC B*



BOC BOHRCRAFT

16510300001	1	**53.44**

BC-TKE

Suport pentru lame de debavurare

- *pentru toate tipurile de lame BC E*



BOC BOHRCRAFT

16510300002	1	**53.44**

BC-B10

Lama HSS forma B10 pentru debavurare

- *lama HSS pentru otel, aluminiu si plastic*
- *pretul de mai jos reprezinta pretul pentu o lama*



BOC BOHRCRAFT

16590300010	1	**11.97**

BC-B20

Lama HSS forma B20 pentru debavurare

- *lama HSS pentru debavurare alama si fonta*
- *pentru utilizare in doua directii*
- *pretul de mai jos reprezinta pretul pentu o lama*



BOC BOHRCRAFT

16590300020	1	**11.97**

BC-E100

Lama HSS forma E100 pentru debavurare

- *lama cu coada lunga pentru otel, aluminiu si plastic*
- *pretul de mai jos reprezinta pretul pentru o lama*



16600300100	1	12.30

BC-E200

Lama HSS forma E200 pentru debavurare

- *lama HSS cu coada lunga pentru debavurare alama si fonta*
- *pentru utilizare in doua directii*
- *pretul de mai jos reprezinta pretul pentru o lama*



16600300200	1	12.30

BC-E300

Lama HSS forma E300 pentru debavurare

- *lama HSS cu coada lunga, pentru indepartarea simultana a bavurilor interioare si exterioare din gauri in tabla si tevi*
- *pretul de mai jos reprezinta pretul pentru o lama*



16600300300	1	15.90

BC-E350

Lama HSS forma E350 pentru debavurare

- *lama HSS cu coada lunga, pentru debavurarea muchiilor drepte, canelurilor etc.*
- *pretul de mai jos reprezinta pretul pentru o lama*



16600300350	1	12.30

BC-DS3

Razuitor triunghiular cu lama fixa

- *lama fixa HSS 3,0 mm*



16560300001	1	69.67

BC-DS8

Razuitor triunghiular cu lama mobila

- *lama interschimbabila HSS 8,0 mm (BC-C42)*



16560300002	1	115.25

BC-C42

Lama de schimb pentru razuitor triunghiular

- *lama interschimbabila HSS 8,0 mm pentru razuitorul triunghiular cu lama interschimbabila BC-DS8*



16610300001	1	95.08

BC-HE1

Debavurator complet cu o lama HSS BC-E100

- *lama HSS (BC-E100) cu coada lunga pentru otel, aluminiu si plastic*



16520300001	1	108.36

BC-HE3

Debavurator complet cu 3 lame HSS BC-E100 / BC-E200 / BC-E350

- *lama HSS (BC-E100) cu coada lunga pentru otel, aluminiu si plastic*
- *lama HSS (BC-E200) cu coada lunga pentru debavurare alama si fonta*
- *lama HSS (BC-E350) cu coada lunga, pentru debavurarea muchiilor drepte, canelurilor etc.*



16520300002	1	139.18

BC-HTB4

Maner complet cu 2 lame HSS BC-B10 / BC-B20

- *lama HSS (BC-B10) pentru otel, aluminiu si plastic*
- *lama HSS (BC-B20) pentru debavurare alama si fonta*



16520300003	1	147.38

63206

Perie curatare interior / exterior tevi



63206	1/2"-3/4"	30	138.31

63208

Perie INOX curatare interior tevi



63208	1/2"	5	73.84

BC-E600

Lama HSS forma E600 pentru debavurare

- *lama HSS cu coada lunga, pentru debavurarea gaurilor transversale*
- *pretul de mai jos reprezinta pretul pentru o lama*



16600300600	1	37.21

BC-1-10

Debavurator rapid cu lama fixa

- *lama HSS (BC-E100) cu coada lunga pentru otel, aluminiu si plastic*



16530300001	1	36.23

BC-2-5

Debavurator rapid cu lama mobila

- *lama HSS (BC-E100) cu coada lunga pentru otel, aluminiu si plastic*



16540300001	1	57.21

BC-R12

Lama HSS rotunda

- *lama rezerva pentru debavurator dublu cu doua lame HSS rotunde (BC-DE)*
- *pretul de mai jos reprezinta pretul pentru o lama*



16550300002	1	43.28

63778

Alezor conic pentru tevi

- *pentru Cu, otel, plastic, Inox*



63778	10 - 34	150	1	717.88

Alezor conic pentru tevi



63779	3 - 12	100	618.90
63780	10 - 25	120	804.58

Sarpe desfundat tevi



	L	D		
69505	3 m	5 mm	350	**63.87**
69506	5 m	9 mm	1400	**225.56**
69507	10 m	10 mm	2500	**394.86**

69500

Dispozitiv manual de curatare tevi

- *capacitate teava: Ø 11 mm*
- *lungimea arcului furnizat: 4,6 m*
- *greutate: 750 g*



	Dimensiune		
69500	Ø 11 mm	750	**175.00**

Drainmatic 100

Dispozitiv de curatare si inspectie

- *capacitate teava: Ø 20-100 mm*
- *lungimea arcului furnizat: 20 m*
- *lungime maxima: 30 m*
- *diametru arc: Ø 8-16 mm*
- *viteza de rotire: 400 rpm*
- *comutator selector de directie de cotitura*
- *prindere ergonomica*
- *manusi incluse*
- *cutie cu arcuri din 2 piese rezistenta la impact si coroziune*
- *stabilitate maxima*
- *usor de utilizat*
- *greutate: 12 kg*
- *putere: 390 W*





	Dimensiune		
60040	Ø 20-100 mm	75000	**15332.42**

Drainmatic max 150

Dispozitiv de curatare si inspectie

- *toate dispozitivele de curatare EGA Master au elementele necesare pentru a asigura o utilizare ergonomica si confortabila*
- *tubul de protectie permite utilizatorilor profesionisti să aiba o utilizare sigură, fara a se deteriora.*
- *au fost proiectate luand în considerare toate detaliile, chiar si suporturile din plastic pentru a evita deteriorarea podelei*
- *capacitate tevi: Ø 20-150 mm.*
- *lungime maxima: 30 m*
- *diametru arc Ø 8-16-22 mm*
- *viteza de rotatie: 400 rpm*
- *greutatea masinii 42 kg*
- *greutate de lucru 16 kg*
- *putere: 390 W*





	Dimensiune		
60282	Ø 20-150 mm	51000	**24382.03**

Drainmatic max 200

Dispozitiv de curatare si inspectie

- *toate dispozitivele de curatare EGA Master au elementele necesare pentru a asigura o utilizare ergonomica si confortabila*
- *tubul de protectie permite utilizatorilor profesionisti să aiba o utilizare sigură, fara a se deteriora.*
- *au fost proiectate luand în considerare toate detaliile, chiar si suporturile din plastic pentru a evita deteriorarea podelei*
- *capacitate tevi: Ø 50-150 mm.*
- *lungime maxima: 50 m*
- *diametru arc Ø 30 mm*
- *viteza de rotatie: 700 rpm*
- *greutate de lucru 45 kg*
- *putere: 1100 W*





	Dimensiune		
60284	Ø 50-200 mm	80000	**24288.92**

Drainmatic max 600

Dispozitiv de curatare si inspectie

- *toate dispozitivele de curatare EGA Master au elementele necesare pentru a asigura o utilizare ergonomica si confortabila*
- *tubul de protectie permite utilizatorilor profesionisti să aiba o utilizare sigură, fara a se deteriora.*
- *au fost proiectate luand în considerare toate detaliile, chiar si suporturile din plastic pentru a evita deteriorarea podelei*
- *capacitate tevi: Ø 200-600 mm.*
- *lungime maxima: 50 m*
- *lungime arc: 45 mm*
- *viteza de rotatie: 100-600 rpm*
- *greutate de lucru 45 kg*
- *putere: 1600 W*





	Dimensiune		
60286	Ø 200-600 mm	140000	**40512.35**

Drainmatic max 110

Dispozitiv de curatare si inspectie

- *toate dispozitivele de curatare EGA Master au elementele necesare pentru a asigura o utilizare ergonomica si confortabila*
- *tubul de protectie permite utilizatorilor profesionisti să aiba o utilizare sigură, fara a se deteriora.*
- *au fost proiectate luand în considerare toate detaliile, chiar si suporturile din plastic pentru a evita deteriorarea podelei*
- *avans automat arc*
- *viteza de avans arc: 6 m / min*
- *capacitate tevi: Ø 20-110 mm*
- *lungime maxima: 22,5 m*
- *diametru arc: Ø 12,5 mm*
- *Viteza de rotatie: 260 rpm*
- *greutate de lucru: 28 kg*
- *putere: 370 W*
- *greutate: 31 kg*





	Dimensiune		
60288	Ø 20-110 mm	140000	**17504.91**



STAHLWILLE
Chei dinamometrice si accesorii, scule auto



SAM OUTILLAGE
Chei dinamometrice, scule auto



ZBIROVIA
Clesti speciali

10905

Suport pentru pile silex

• *cu pila grosiera*



	L	b	h			
SW 72160000	365	35	110	265	1	**947.68**

Pila silex pentru caroserie

• *se utilizeaza impreuna cu suportul 10905*
• *lungime: 350 mm*



	Art.	forma	ascutire	TPI	L			
SW 79060002	10907	radial	semifina	12	350	286	10	**461.06**
SW 79060003	10908	radial	bastard	9	350	279	10	**435.42**
SW 79060012	10915	unghiular	semifina	12	350	282	10	**381.65**
SW 79060013	10916	unghiular	bastard	9	350	252	10	**361.97**

12921M

Oglinda de inspectie telescopica INOX

• *oglinzi incasabile din otel inox (DOM)*
• *fara imbinari filetate (DOM)*
• *rezistenta la rugine datorita bratulului telescpic din otel inoxidabil*
• *cap cu cardan (actiune 180°), auto-tensionare*
• *maner plastic special care asigura o prindere ferma si conditii de siguranta de lucru, rezistent la produse chimice*



	Φ	L			
SW 77401032	○ 32	171 - 699	60	1	**282.64**
SW 77401045	□ 45 x 70	178 - 927	76	1	**293.65**
SW 77401057	○ 57	178 - 921	70	1	**282.64**

12920

Oglinda de inspectie telescopica rotund

• *maner telescopic*



	Φ	L			
SW 77401030	30	265 - 705	108	1	**331.20**
SW 77401040	40	275 - 715	115	1	**337.31**
SW 77401050	50	285 - 725	110	1	**370.49**
SW 77401060	60	295 - 735	130	1	**389.42**

12920N

Oglinda de inspectie telescopica dreptunghiulara

• *cu sectiunea bratului ovala impotriva rasucurii*



	Φ	L			
SW 77401001	65 x 43	301 - 750	65	1	**389.42**

6617

Cleste de forta cu tais frontal

• *pentru coarda de pian si otel special*
• *DIN ISO 5748*



	①	②	③	④	L			
SW 66170215	4.0	3.5	2.8	2.5	215	440	1	**674.47**

① Capacitate de taiere in mm pentru sarma moale
② Capacitate de taiere in mm pentru sarma dura mediu
③ Capacitate de taiere in mm pentru sarma dura
④ Capacitate de taiere in mm pentru coarda de pian

10599/2

Cleste pentru echilibrat roti

• *material: crom-vanadiu*
• *acoperire: cromare*



	L			
SW 76294003	245	380	1	**610.44**

6575

Cleste pentru infasurat sarma

- *pentru legarea cu sarma a elementelor de fixare din metal*
- *cu taietor lateral*
- *falci dintate pentru prindere ferma*
- *falci unghi de 40°*
- *potrivit pentru infasurarea sarmei de pana la diametru de 1,6 mm (0,06")*
- *pentru utilizare in sens orar si in sens antiorar*
- *cu actiune automata de revenire*
- *crom vanadiu*



	L			
SW 65751220	230	330	1	1536.85
SW 65751280	280	440	1	1656.30

11069

Cleste pentru segmenti

- *pentru montarea si demontarea segmentilor*
- *acoperire: nichelare*



	Dimensiune	pentru inele piston	L			
SW 74152001	1*	50 - 100	200	245	1	320.27
SW 74152002	2	80 - 120	240	279	1	342.29
SW 74152003	3	110 - 160	240	394	1	402.91
SW 74152005	5**	60 - 160	220	195	1	424.33

* Fiat-nr A 60 182 (tip 126, 127, 133, 850T)
** cu fete de contact in formă de V pentru manipularea sigura si pozitiva a inelelor pistonului

12771

Cleste extractor dopuri plastic

- *pentru demontarea dopurilor de fixare pe garniturile usilor, garniturile exterioare, capacele barei de protectie din cauciuc etc.*
- *articulatie si falci din tabla de otel calit*
- *manere din tabla de otel profilata*



	L			
SW 76480001	230	205	1	385.04

501

Coarba 1/2"

1/2"

- *raza de lucru 105 mm*
- *DIN 3122/ISO 3315*



	L			
SW 13100010	456	620	5	443.94

109

Punctator cu ghidaj

- *cu bucsa ghidare*



	Dimensiune	•	●	L			
SW 70090001	1	0.9	5	80	7	10	100.90
SW 70090002	2	1.4	5.5	82	12	10	101.73
SW 70090003	3	1.8	6	86	12	10	96.68
SW 70090004	4	2.4	7	95	18	10	96.68
SW 70090005	5	2.8	7	97	19	10	96.68
SW 70090006	6	3.4	8	100	25	10	96.68
SW 70090007	7	3.9	9	100	27	10	96.68
SW 70090008	8*	5.9	10	103	47	10	78.43

• diametru varf
● diametru maner
* fara bucsa ghidare

1570/2

Set universal Kablex® de scule scos papuci

- *maner bicolor*
- *cu capac de blocare a lamei, pentru a proteja lama fina si protectie impotriva ranilor*
- *mai usor de manevrat pentru lucrari fine si complicate pe conectori miniaturali*
- *elibereaza rapid si usor conectorii de cablu fara a le intrerupe*
- *lame realizate din crom-vanadiu extrem de dur si durabil si otel cu arc special*

Componenta set:

- *Nr 1501, 1502, 1505 scule de extras papuci diametru 1,5/ 3,5/ 2,3mm*
- *Nr 1511, 1512, 1515 scule de extras mansete pentru papuci diametru 1,5/ 3,5/ 2,3 mm*
- *Nr 1553 scula de extras papuci plati 2,8 si 5,8mm*
- *Nr 1556 scula de extras papuci Micro-Timer II, III plati de 1,6mm*
- *Nr 1559 scula de extras papuci Maxi-Power Timer plati 9,5mm*
- *Nr 1562 scula de extras papuci Pit-Pod*
- *Nr 1574 scula de extras papuci Micro-Timer I si din mufe pentru ABS, plati, 1,6mm*
- *Nr 1591 scula de extras papuci plati 2,8 si 5,8mm cu doua limbi de blocare*



	Piese			
SW 96747304	12 piese	1230	1	4431.23

10356

Razuitor

- *pentru indepartarea resturilor de adeziv si a etichetelor de pe geamuri*
- *lama de 40x0,3mm interschimbabila cu capac de protectie*



	Dimensiune	L			
SW 74270005	40	165	85	1	122.09

10356R

Set 10 lame pentru razuitor

- *lama de 40x0,3mm*



	Dimensiune	l			
SW 79270015	40	0.3	52	1	77.67

905/25

Set extractoare suruburi

- *M 5-M 16, 3/16 "-5/8", 25 piese,*
- *in cutie de plastic verde*

Continut:

- *5 burghie HSS (3.2; 4.8; 6.4; 8; 8.7 mm)*
- *5 extractoare suruburi rupte 1-5 pentru filet M 5-M 16*
- *5 tubulare canelate, dimensiuni 1-5*
- *10 ghidaje gaurire, dimensiuni 1-10*



	Dimensiune			
SW 96713025	M5-M16	605	1	1502.69

12705

Stetoscop pentru motor

- *sonda din otel, manerul si furtunul din plastic*



SW 74060001	74	1	730.04

12007

Cheie filtru ulei

- *reglabila pentru diametre de la 80 la 110mm.*
- *camele calite si antialunecare asigura siguranta in timpul folosirii*



	Dimensiune	L			
SW 76521002	80 - 110	240	319	1	367.17

12378

Perie sarma maner lemn



	L			
SW 77250000	260	74	1	53.77

12600

Recuperator magnetic flexibil

- *pierderea aderentei la peste 80° C*



	Dimensiune	Capacitate g	L			
SW 77260025	8	500	460	70	1	272.38
SW 77260027	5	270	500	30	1	78.05

13100

Set pile ac

- *6 bucati in husa de plastic*
- *continut : cate o pila plata, patrata, triunghiulara, rotunda, semirotunda si ovala*



SW 96722801	6	50	1	653.12

12506-2K

Surubelnita flexibila cu cap tubular

- *dimensiune cap tubular: 6 mm;*
- *lungime tija: 150 mm;*
- *lungime totala: 265 mm;*
- *greutate: 167 g;*
- *cuplul maxim de torsiune: 8 Nm;*
- *pentru suruburile colierelor furtunului radiatorului*



		L1	L2			
SW 43103206	6	175	290	167	1	**173.29**

4008

Surubelnita cu clichet cu cap tubular

- *schimbare usoara a sensului prin rotirea inelului*
- *maner ergonomic si bimaterial pentru transmiterea optima a fortei*
- *compartiment pentru 6 biti in miner*
- *pentru biti cu coada hexagon 1/4" sau DIN 3126/ISO 1173 Tip C6,3*
- *tubularele cu antrenare 1/4"se pot folosi cu adaptorul Nr 3115/1*
- *schimbare usoara a bitilor datorita magnetului*
- *mecanism pentru conditii grele cu 48 de dinti*



		L1	L2	d			
SW 18120001	6,3	127	250	10	220	1	**230.23**

1204/8

Set biti TORX plus

- *1 adaptor biti*
- *7 biti cu 5 canturi, cu gaura pentru pin siguranta marimile 10, 15, 20, 25, 27, 30, 40*
- *se utilizeaza la suruburi pentru generatoare, unitati de management al motorului, senzori de debit, imobilizatoare si pompe de injectie (FORD, MERCEDES BENZ, HGV, ROVER, VOLVO, VW/AUDI)*



SW 96081113	8	1030	1	**414.08**

TPI 10, 15, 20, 25, 27, 30, 40
adaptor 1/4" - C 6.3

98-850Z

Kit pentru calarea distributiei la motoare pe benzina ale grupului Volkswagen 1.0, 1.2, 1.4 L

• *Volkswagen : Beetle/Coccinelle/Maggiolino 2015 à 2017, Caddy/Caddy Max 2015 pana in 2017, CC 2015 pana in 2017, Jetta 2012 pana in 2017, Passat 2014 pana in 2017, Polo 2012 pana in 2017, Scirocco 2014 pana in 2017, Sharan 2015 pana in 2017, Tiguan 2015 pana in 2017, Auran 2015 pana in 2017, Golf 2012 pana in 2017, Up ! 2011 pana in 2016,*
• *Seat : Alhambra 2015 pana in 2017, Ibiza 2015 pana in 2016, Leon 2012 pana in 2017, Aledo 2015 pana in 2017, Mii 2012 pana in 2017,*
• *Skoda : Octavia III 2013 pana in 2015, Citigo 2011 pana in 2017, Fabia III 2014 pana in 2017, Yeti 2014 pana in 2015,*
• *Audi : A1 2012 pana in 2017, A3 2012 pana in 2017, Q2 2016 pana in 2017, Q3 2014 pana in 2017*
• *1,0 : CHYA, CHYB, CPGA,*
• *1,2 : CJZA, CYVB, CJZC, CJZD, CJZB, CYVA, CYVD,*
• *1,4 : CPTA, CZCA, CZEA, CXSB, CMBA, CXSA, CUKB, CPWA, CZDA, CHPB, CUKC, CHPA, CPVB, CPVA, CRJA,*
• *1,6 : CWVA, CWVB*



	Dimensiune		
98-850Z		400	3724.59

99-REN

Kit pentru calarea distributiei la motoare diesel si benzina Renault

• *motoare Diesel: 1.5dCi K9K, 1.9dCi F9Q, 2.2dCi G9T, 2.5dCi G9U. 1.6D F8M, 1.9D F8Q, 1.9D Turbo F8Q, 1.9dTi F9Q, 2.1D Turbo J8S, 2.2D/Turbo G8T*
• *motoare cu benzina: 1.4 16v. K4J, 1.6 16v. K4M, 1.8 16v. F4P, 2.0 16v. F4R, 1.2 D7F / E7F, 1.2 16v D4F, 1.4 E7J, 1.8 F3P, 1.8, 16v F7P, 2.0 F3R / J7R, 2.0 16v F7R, 2.2 J7T*
• *Renault : Clio, ClioII/Campus, Clio II, Clio III, Modus, Logan, Megane, Megane II, Scenic/RX4, Scenic/Grand Scenic II, Laguna, Laguna II, Espace/Grand Espace, Kangoo, Trai c, II, Megane Scenic, R19, Safrane, R5/Van, Extra/Rapid/Express, Trai c, Twingo, Master II*



	Dimensiune		
99REN	4940		10987.45

C-370-B

Compresmetru pentru motoare diesel VL

• *compresmetru cu citire directa a presiunii 0-70 bari*
• *include instructiuni de utilizare pentru fiecare tip de vehicol*



	Dimensiune		
C370B	0 - 75 bar	2500	10826.23



FL-11

Multimetru

• *special concepute pentru aplicatii in domeniul auto*
• *tensiune curent continuu 3.2V - 1000V si tensiune curent alternativ 3.2V - 750V*
• *curent continuu 32mA - 10A si curent alternativ 32-300 mA*
• *rezistor 320 - 32 Ohms*
• *banda de frecventa 0.01 Hz - 32kHz*
• *test dioda*
• *tachometru 0 - 12,000 revs*
• *temperatura optima de masurare 20°C to +1370°C sau 0°F to 2000°F*
• *display numeric, bara grafica, anti-soc*
• *indicator de baterie descarcata*
• *oprire automata (dupa 10 minute)*
• *setul de livrare include: cablu, sonda de temperatura, traductor de curent tip cleste*



	Dimensiune		
FL11	CAT II 1000V	650	3194.26

913-VAT1Z

Tester universal

• *tester de tensiune pana la 690VAC (16 2 / 3-800Hz) / 750VDC.*
• *livrat cu cabluri*
• *indicator luminos rosu de tensiune periculoasa*
• *autonomie de 7000 de masurători de 10 secunde.*
• *dimensiuni: 163 x 64 x 40 mm.*
• *condiții de utilizare: de la -15 ° C la + 45 ° C.*
• *CAT IV - 600V*



	Dimensiune		
913-VAT1Z	6 - 690 V	150	1593.44

SDP-16

Cheie profil XZN pentru buson schimbare ulei la cutia de viteze

1/2”

• *pentru VAG, Porsche*
• *pentru patrat de antrenare de 1/2"*



	Dimensiune	L	l		
SDP-16	M16 x 60 mm	60	21	90	211.80

STR-10

Cheie profil triunghiular pentru buson schimbare ulei la cutia de viteze

3/8”

• *pentru Peugeot, Renault*
• *pentru patrat de antrenare de 3/8"*



	Dimensiune	L	l		
STR-10	M16 x 60 mm	-	-	40	243.93

EX-370B

Ciocan inertial

• *filet: M22 x 200*
• *lungime: 760 mm*
• *greutate: 5.670 Kg*



	Filet	L		
EX370B	M22 x 200	760	5670	1855.74

694-C-16-N

Set de preducele 16 piese

• preducele interschimbabile, usor de montat pe sistemul de fixare patentat
• realizate din otel special tratat prin inductie (56-58 HRC) cu o toleranta maxima a dimensiunii - 0,2 mm
• ideale pentru: carton, piele, cauciuc, fibre, din plastic, plumb, etc.
• sistemul de prindere permite folosirea preselor manuale sau hidraulice
• set livrat intr-o cutie rezistenta la compusi chimici



	Dimensiune		
694-C-16-N	3-30/15 piese	1180	**2220.49**
3 - 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 28 - 30			

694-C-32-N

Set de preducele 32 piese

• preducele interschimbabile, usor de montat pe sistemul de fixare patentat
• realizate din otel special tratat prin inductie (56-58 HRC) cu o toleranta maxima a dimensiunii - 0,2 mm
• ideale pentru: carton, piele, cauciuc, fibre, din plastic, plumb, etc.
• sistemul de prindere permite folosirea preselor manuale sau hidraulice
• set livrat intr-o cutie rezistenta la compusi chimici



	Dimensiune		
694-C-32-N	2-50/29 piese	2630	**4507.38**
2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 28 - 30 - 32 - 34 - 36 - 38 - 40 - 42 - 44 - 46 - 48 - 50			

104-AJ

Trusa 6 chei de conducte pentru injector

• trusa 6 chei de conducte pentru injector
• se potriveste pentru a demonta sau monta conductele injectoarelor la motoarele diesel inclus conductele pentru BMW/VAG/Mercedes Benz
• patrat de antrenare: 1/2"
• dimensiunile deschiderilor chei: 12, 14, 16, 17, 18, 19 mm
• capete chei cu 12 laturi, deschise pe 3 laturi pentru a facilita trecerea conductei
• lungime corp de 100 mm
• greutate: 1.25 kg



	mm	L		
104-AJ6	12-14-16-17-18-19	100	1250	**1331.15**

385SI/ISO

Dispozitiv de reconditionat filete

• ideal pentru restaurarea filetelor interioare si exterioare: SI, ISO



	Dimensiune		
385-ISO	**ISO**	125	**435.90**
80 - 100 - 125 - 150 - 175 - 200 - 250 -300			

359-C2

Set cleste nituri pop si accesorii

• 400 nituri pop din aluminiu cu diametrul de 3 si 4 mm pentru adancimi cuprinse intre 1,5 si 7,5 mm
• 1 cleste nituri pop de 270 mm cu 4 capete de nituire: 2,2 3,2 4 and 4,8 mm



	Dimensiune		
359C2	320x200x400 mm	2100	**1331.15**

293

Cleste de forta cu tais frontal

• *cu arc de redeschidere*



Zbirovia ● 2,5 mm

	Dimensiune		
ZB293200	200	470	643.65

312

Cleste de forta cu tais lateral

• *cu arc de redeschidere*



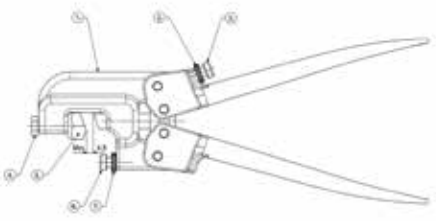
Zbirovia ● 2,5 mm

	Dimensiune		
ZB312200	200	435	686.28

1717

Cleste pentru ceaprazuit

CLESTE PENTRU CEAPRAZUIT lame/panze circulare - cu art. 1717 este conceput pentru fierastraie circulare pentru lemn pana la o grosime maxima a lamei de fierastrau de 4 mm. Inainte de a începe devierea, determinam lungimea deviatiei dintilor în functie de marimea dintilor de fierastrau, lasand sau rotind suportul (pozitia nr. 5) cu 180 de grade (indoire mai lunga sau mai scurta a dintilor). Slabiti suportul (pozitia nr. 5) cu surubul M6 (pozitia nr. 4), dupa ce îl setati în pozitia dorita, fixati suportul cu surubul M6.
Asezati clestele pe varful dintelui astfel incat varful dintelui sa se încadreze în crestatura presata din partea interioara a corpului (pozitia nr. 1). Apoi desurubati clestele perpendicular pe ferastraul circular, apoi desurubati sau însurubati surubul de sustinere (pozitia nr. 6) pentru a alinia clestele perpendicular pe fierastraul circular. Fixati surubul de sustinere cu o piulita de blocare (pozitia nr. 7). Pentru a facilita lucrul în timpul distributiei cu un surub de reglare (pozitia nr. 2) resetati asa-numita turatie de ralanti (in gol) si fixati-o cu piulita de blocare (pozitia nr. 3). Dupa terminarea distributiei dintilor în jurul intregii circumferinte, puneti clestele din partea opusa a lamei de fierastrau si distribuiti dintii ramasi (uniformi). Va recomandam sa marcati primul dinte (de exemplu cu creta) pentru o inspectie usoara a dintilor deja distantati.





Zbirovia

	Dimensiune		
ZB171700	4	715	916.39

2474

Cleste pentru sigilii



Zbirovia

	Dimensiune		
ZB247410	ϕ 10	410	819.43

2474.1

Bacuri de schimb pentru cleste sigilii 2474



Zbirovia

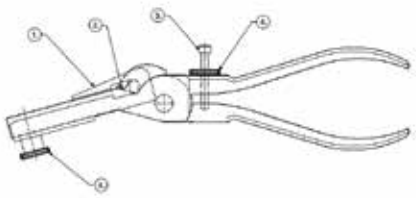
	Dimensiune		
ZB247411	ϕ 10	2	62.34



1701

Cleste pentru ceaprazuit

CLESTELE PENTRU CEAPRAZUIT panze drepte - cu art. 1701 este conceput pentru distribuirea dintilor la fierastraie manuale pentru lemn pana la grosimea lamei de 1,6 mm.
Inainte de a incepe distributia, reglati deschiderea clestelui in functie de grosimea lamei folosind surubul de reglare (pozitia nr. 3) si fixati-l. Dupa introducerea lamei in cleste, reglati dimensiunea dintilor, astfel incat partea de sus a dintelui de fierastrau sa atinga partea superioara a partii mai scurte a clestelui. In aceasta pozitie fixati glisorul (pozitia nr. 2) cu surub de reglare (pozitia nr. 4 pe falcile clestelui).
Cu clestele reglat incepeti sa distribuiti (deschideti) fiecare al doilea dinte de fierastrau. Dupa terminarea distributiei dintilor pe toata lungimea, puneti clestele din partea opusa a fierastraului si impartiti dintii ramasi (uniformi).





Zbirovia

	Dimensiune		
ZB1701	1.6	325	680.33

257

Cleste rapid pentru tevi



Zbirovia

	Dimensiune		
ZB257270	270 mm (1.3/4")	690	279.10
ZB257300	300 mm (2")	785	326.03

831

Cleste pentru perforat



Zbirovia

	Dimensiune		
ZB831004	ϕ 4	200	450.20



246

Cleste universal pentru tevi



Zbirovia

	Dimensiune		
ZB246450	450 mm (2.1/2")	2250	681.96
ZB246600	600 mm (3.1/2")	3800	825.83



SCULE IZOLATE LA 1000 V

Protectia totala

Sculele izolate VDE Unior asigura protectia totala, chiar si la utilizarea in apropierea sau in contact cu circuitele sub tensiune cu un potential mergand pana la 1000 Volti. Sculele sunt controlate prin teste de rezistenta la impact, la electricitate, la foc, de adeziune a izolatiei si de rezistenta la strapungere, fiecare scula fiind controlata individual.

Otel de inalta calitate

Cheile noastre, clestii, foarfecii, surubelnitele si alte scule izolate concepute pentru lucrul la instalatii electrice sau care folosesc alta forma de energie sunt fabricate din oteluri de inalta calitate, cu protectie sporita si sunt concepute pentru o utilizare simpla si sigura.

Reglementarile VDE

Izolate si controlate conform reglementarilor VDE, sculele Unior destinate lucrarilor sub tensiune satisfac exigentele normelor europene EN60900, recunoscute international

UNIOR® FRIEDRICH Sicherheitswerkzeuge ABSINA IREGA THE ADJUSTABLE IS OUR WORLD EGA Master ART IN INNOVATION

O procedura speciala de fabricatie a sculelor izolate

1. Forjarea la rece a capului tubular: Se foloseste un proces tehnologic cu doua etape, care include revenirea, fosfatarea si contractarea.



2. Prelucrate pe CNC a capului tubular: Un CNC special est folosit pentru a uzina capetele tubulare la dimensiunile dorite, care sunt in concordanta cu normele ISO



3. Sablare: curatarea suprafetei inainte de cromare este importanta pentru marirea calitatii si durabilitatii protectiei suprafetei

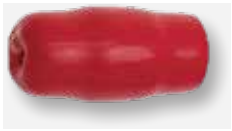
4. Cromare: Capul tubular este placat cu un strat subtire si dur de oxid de crom care protejeaza contra coroziunii, uzurii si a altor defecte mecanice. In acelasi timp, da intregului cap tubular un aspect lucios.



ACOPERIRE PRIN PLASTIFIERE

5. Plastifiere dublu strat: Procesul de acoperire cu mai multe straturi de plastic potrivite pentru lucru in conditii de voltaj ridicat consta intr-o serie de operatiuni cu parametri de implementare exact definiti care nu trebuie sa se abata de la cerinte. Este singurul mod de a obtine produse de calitate si - cel mai important - de siguranta ridicata. Inainte de plastifiere, partea metalica a sculei trebuie sa fie pregatita pentru acest proces. Este degresata intr-un container cu acetona si apoi uscata. Pentru ca materialul si partea metalica a sculei sa adere eficient in locurile cerute, partile metalice sunt cufundate intr-un lichid special care activeaza proprietatile de aderenta. Aceasta operatiune este urmata de montarea piesei pe suporti speciali. Procesul de incalzire incepe intr-un cuptor special si este imediat urmat de cufundarea in material portocaliu. Trebuie apoi scos din acest material, care este incalzit la temperatura potrivita, cu viteza optima astfel incat materialul sa nu picure. Inainte de aplicarea celui de al doilea strat de plastic, piesele sunt gelatinizate in cuptor la temperatura prescrisa. Urmeaza apoi acoperirea cu un al doilea strat din material rosu, procesul de gelatinizare este repetat, iar startul final de palstic,din nou din material rosu, da piesei grosimea finala de acoperire din 2-3 straturi. Pentru stralucirea si aspectul profesional, piesele sunt stabilizate in cuptor la temperatura stabilita.







PORTOCALIU CA SEMNAL DE AVERTISMENT

Protectia de plastic dublu a sculelor VDE asigura o dubla securitate, pentru ca permite reperarea uzurii in timp util. O uzura mai importanta a sculei este semnalata de aparitia culorii portocalii, care semnalizeaza necesitatea inlocuirii sculei





Scula in stadiu de siguranta



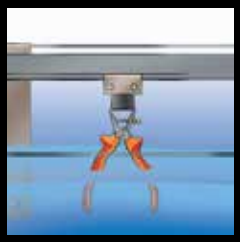
Scula uzata - inlocuire imediata



Chei fixe si reglabile 909
Chei inelare si tubulare 910
Chei tubulare si imbus 911
Capete tubulare cu patrat de 1/4” 911
Capete tubulare cu patrat de 3/8” 914
Capete tubulare cu patrat de 1/2” 916
Chei dinamometrice 919
Clesti combinati 921
Clesti multipriza 922
Clesti diagonali si taietori 924
Clesti cu varf plat si rotund 926
Foarfeci 926
Clesti taietori pentru cabluri 928
Surubelnite drepte 929
Surubelnite in cruce 929
Surubelnite imbus 929
Surubelnite Torx 931
Surubelnite PZ 929
Surubelnite cu capete tubulare 930
Surubelnite electronisti 931
Cuttere si bomfaiere 932
Ciocane si pensete 933
Echipament de protectie 933
Truse de scule VDE 935



TEST DE REZISTENTA LA FOC
Piesa testata este expusa unei flacari timp de 10 secunde. Rezultatul este satisfacator daca, in perioada de observatie de 20 de secunde dupa inlaturarea arzatorului, flacara care arde manerul nu depaseste o inaltime de 120 mm.



TEST ELECTRIC (10KV)
Inainte de test, sculele sunt cufundate intr-o baie de apa la 23°C timp de 24 de ore (+- 5 ore). Rezultatul este satisfacator daca nu apare nici o descarcare, nici o scanteie si nici un arc electric, si daca pierderea de curent este mai mica de 1 mA pentru o izolatie in grosime de 20 mm.



TESTUL DE IZOLARE
Piesa de test este in prealabil incalzita 168 ore la 70°C (_/+ 2°C). Manerul este incarcat cu greutati (500N). Durata de incercare este de 3 minute. Rezultatul este satisfacator daca manerul ramane atasat ferm de partea conductoare.



TEST DE REZISTENTA LA PENETRARE
Gauritorul, incarcat cu o sarcina de 20N, este aplicat in centrul manerului. Rezultatul este satisfacator daca piesa de test trece dupa aceea a testului electric



TEST DE REZISTENTA LA IMPACT
Testarea este realizata intr-o camera cu temperatura de +/- 23° C. Se lasa ciocanul in cadere libera pe piesa de test de trei ori. Rezultatul este satisfacator daca manerul nu este nici spart nici crapat si nu arata semne de deformare

1000V IEC 60900

1000V IEC 60900 Scule de mana pentru lucrul sub tensiune pana la 1000 V.A.C.

Semnul institutului de certificare a sculelor (VERBAND DEUTSCHER ELEKTROTECHNIKER)

Un semn care atesta conformitatea sculelor cu norma DIN care reglementeaza cerintele de baza pentru scule (dimensiune, duritate, proprietati mecanice, etc.)

Caracteristicile clestilor Unior



Gama VDE BI
- material: compozitie speciala pentru calire revenire
- tratat complet
- partile taietoare tratate prin inductie
- cap polizat
- finisare: cromat in conformitate cu standardul EN12540
- manere bimaterial pentru conditii grele
- marcaj injectat UNIOR



Gama VDE DP
- material: compozitie speciala pentru calire revenire
- tratat complet
- partile taietoare tratate prin inductie
- cap polizat
- finisare: cromat in conformitate cu standardul EN12540
- scule VDE cu strat dublu de izolare, pentru o securitate dubla.
- verificati la timp gradul de uzura a sculelor DP VDE

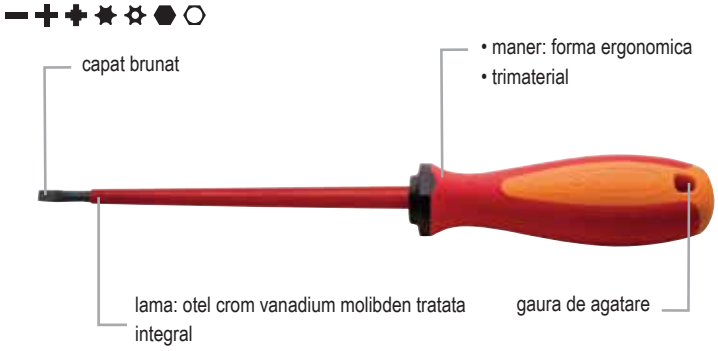
Caracteristicile cheilor Unior

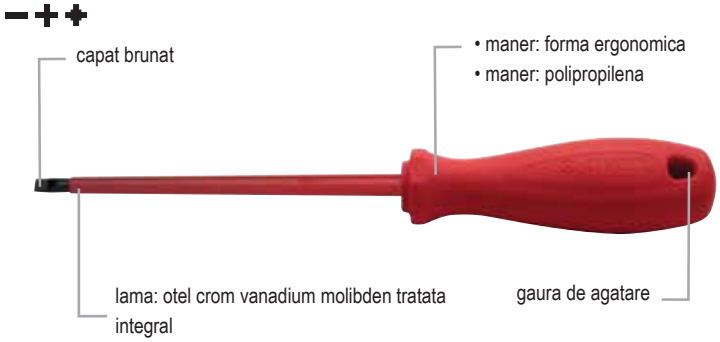


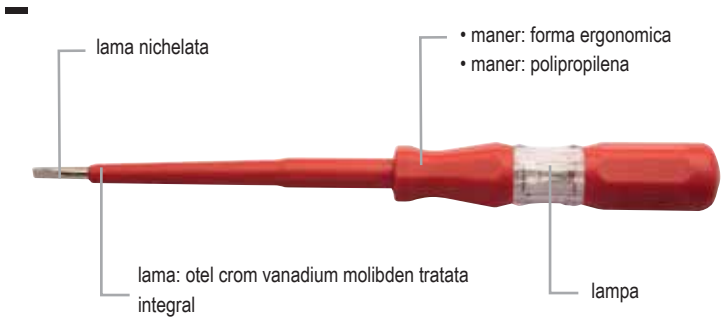
Chei
- material: crom-vanadiu
- cap: cromat in concordanta cu EN12540
- in concordanta cu standardul EN 60900



Caracteristicile surubelnitelor Unior





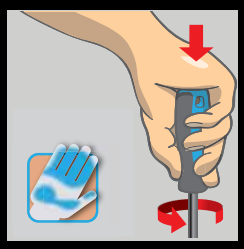






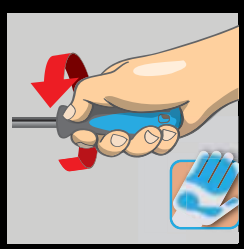
MANER ERGONOMIC

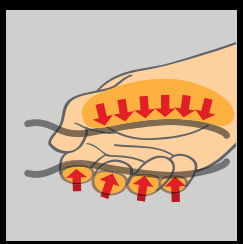
Combinatia de suprafete dure si moi imbunatateste factorul de incarcare si asigura insurubarea usoara. Manerul a fost conceput in asa fel incat are grija de sanatatea utilizatorului pentru ca reduce tensiunea in muschii mainii





Suprafata maximala de contact a mainii = valoare de cuplu superioara





Conceptia ergonomica a manerului = protejarea mainii

110/2VDEDP

Cheie fixa simpla izolata la 1000 V

- *material: crom vanadiu*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

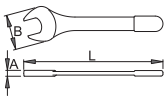
Avantaje:

- *dublu strat - dubla protectie, doua straturi de culori diferite*
- *controlul se face prin testare electrica*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

		L	B	A				
618370	6	72	16	6.9	19	1E	10	62.62
618331	7	82	16.1	6.9	26	1E	10	63.44
617801	8	95	21	7	30	1E	10	66.39
621575	9	100	24.5	7.5	35	1E	10	68.85
612175	10	105	24.5	7.5	42	1E	10	66.39
612176	11	112	26	7.5	51	1E	10	70.82
612177	12	125	28	8	65	1E	10	68.03
612178	13	132	30.5	8.5	76	1E	10	71.15
612179	14	140	33	8.5	84	1E	10	75.74
612180	15	150	35	9	96	1E	10	77.87
621576	16	154	40	10	118	1E	10	82.30
612181	17	157	40	10	137	1E	10	84.75
621577	18	165	44	11	151	1E	10	89.67
612182	19	170	44	11	170	1E	10	93.44
618333	20	175	46.4	12.2	184	1E	10	100.49
619201	21	180	48.8	12.5	213	1E	10	100.49
612183	22	195	49	13	234	1E	5	101.31
618335	23	210	52.8	13.1	251	1E	5	109.84
612184	24	220	56	14	311	1E	5	112.13
621578	26	235	59	15	361	1E	5	129.18
617802	27	240	59	15	387	1E	5	128.03
621579	28	245	66	15.8	440	1E	5	140.49
618336	30	260	66.1	15.8	518	1E	5	147.54
618337	32	275	71.4	17.6	620	1E	5	166.39

110/2VDEDPCB

Set de chei fixe simple izolate la1000 V in cutie de carton



UNIOR

612676	10 - 24 / 10	1200	1F	1	843.93

110/2VDEDP (10, 11, 12, 13, 14, 15, 17, 19, 22, 24)

IREGA SWO 92 1000 V

Cheie reglabila cu deschidere marita izolata la 1000 V

- *material: otel crom vanadiu*
- *materialul izolator de pe maner indeplineste cerintele IEC 900 si EN-60900, in ce priveste rezistenta electrica si proprietatile mecanice*
- *fiecare cheie reglabila IREGA 92 1000V trece printr-un test de inalta tensiune, in conformitate cu Standardul EN-60900 Standard, echivalent IEC-900, si constand in expunerea la 10.000 V timp de 10 secunde, dupa care nu ar trebui sa existe nici o deteriorare a manerului*
- *cele trei straturi de plastisol in culori diferite permit utilizatorului sa verifice cu usurinta starea izolatiei*
- *SWO 92 1000V 6" deschidere marita 34 mm (1 3/8") cu 78% mai mare decat cheile reglabile standard (6"), dimensiuni similare; greutate redusa - 250 grame cu 68% mai usoara decat chei reglabile standard (12") cu deschidere similara*
- *SWO 92 1000V 8" deschidere marita 39 mm (1 1/2") cu 62% mai mare decat cheile reglabile standard (8"), dimensiuni similare; greutate redusa - 354 grame cu 54% mai usoara decat chei reglabile standard (12 "), care are deschidere mai mica*



IREGA

	Dimensiune	Deschidere	Ambalare	
570313006005105	176 mm (6")	34 mm (1 3/8")	1	356.46
570313008005105	216 mm (8")	39 mm (1 1/2")	1	390.00

250/1VDEDP

Cheie reglabila izolata la 1000 V

- *material: crom vanadium*
- *acoperire cromare conform EN12540*
- *in concordanta cu standardul EN 60900*

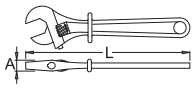
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*
- *cu scala*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

		L	A					
621917	150	165	35	23	182	1E	1	152.13
616849	200	215	35	28	355	1E	1	188.20
616850	250	265	35	32	579	1E	1	228.36
616851	300	310	36	38	871	1E	1	287.54
622065	380	390	35	50	1505	1E	1	513.61

NOU

Cheie reglabila izolata la 1000 V

- *material: crom vanadium*
- *acoperire cromare conform EN12540*
- *in concordanta cu standardul EN 60900*

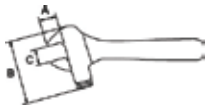
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*
- *cu scala*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





EGA Master ART IN INNOVATION

		L	A					
79470	8"	200	25	29	370	1E	1	857.16
79471	10"	250	32	33	620	1E	1	1095.78
79472	12"	300	40	38	1000	1E	1	1160.84

NOU

Cheie inelara dreapta izolata la 1000 V

- *material:crom vanadium*
- *capul cheii este tratat in intregime*
- *cap:cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

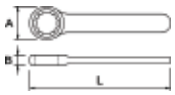
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





EGA Master ART IN INNOVATION

		L	A	B				
73145	10	136	25	13	60	1E	10	364.00
79423	11	140	26	14	65	1E	10	374.03
79424	12	147	29	15	75	1E	10	394.26
73147	13	152	31	15	95	1E	10	424.82
79425	14	160	32	16	95	1E	10	434.79
79426	15	165	34	17	120	1E	10	444.97
79427	16	170	36	17	135	1E	10	515.62
73150	17	190	38	17	150	1E	5	566.18
79428	18	190	38	18	175	1E	5	545.96
73152	19	210	39	18	190	1E	5	586.48

NOU

Cheie inelara inclinata izolata la 1000 V

- *material:crom vanadium*
- *capul cheii este tratat in intregime*
- *cap:cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



EGA Master ART IN INNOVATION



		L		
73120	8	90	25	195.42
73121	9	100	30	206.05
73122	10	110	40	216.91
73123	11	115	50	238.85
73124	12	125	60	260.41
73125	13	135	80	282.20
73126	14	140	95	303.84
73127	15	145	110	325.48
73128	16	150	125	347.34
73129	17	160	135	368.98
73130	18	170	145	390.62
73131	19	175	175	412.33
73133	21	185	210	434.04
73134	22	195	240	455.61
73135	23	210	250	477.47
73136	24	230	275	499.11

180/2VDEDP

Cheie inelara simpla izolata la 1000 V

- *material: crom vanadium*
- *cap:cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

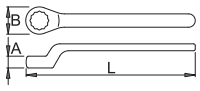
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *controlul se face prin testare electrica*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

		L	B	A				
621580	6	155	13.5	8.5	51	1E	10	68.36
621581	7	155	15	9	57	1E	10	68.36
621582	8	160	16.5	9.5	62	1E	10	71.80
621583	9	160	17.5	10	72	1E	10	71.80
612185	10	162	19.5	11	81	1E	10	75.08
612186	11	175	20	11.5	97	1E	10	75.08
612187	12	185	21.5	11.5	112	1E	10	77.38
612188	13	185	23	12.5	113	1E	10	77.38
612189	14	190	25.5	13	136	1E	10	82.79
612190	15	195	27	13.5	146	1E	10	82.79
621584	16	190	27.5	14.5	175	1E	10	92.13
612191	17	208	30.5	15.5	185	1E	10	92.13
612192	19	227	33	15.5	233	1E	10	102.46
621586	20	245	34.5	16.2	273	1E	5	113.11
619202	21	244	36.4	13.2	307	1E	5	121.31
612193	22	250	37.5	17.5	300	1E	5	113.11
612194	24	255	42	18.5	428	1E	5	128.36
621588	26	265	44	18	450	1E	5	128.36
621589	27	270	44.8	18	411	1E	5	128.36
621590	28	280	36.5	18.5	488	1E	5	141.80
621591	30	310	47	19	574	1E	5	159.02
621592	32	325	51.5	19.5	647	1E	5	159.02

180/2VDEDPCB

Set de chei inelare izolate la 1000 V in cutie de carton



UNIOR

612677	10 - 24 / 10	1820	1F	1	906.89

180/2VDEDP (10, 11, 12, 13, 14, 15, 17, 19, 22, 24)

NOU

Cheie tubulara cotita izolata la 1000 V

- *material:crom vanadium*
- *capul cheii este tratat in intregime*
- *cap:cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



EGA Master ART IN INNOVATION

		L		
73203	8	110	45	222.49
73204	9	110	60	232.60
73205	10	125	85	242.64
73206	11	135	100	252.83
73207	12	145	130	262.79
73208	13	155	160	273.05
73209	14	165	185	303.32
73210	15	170	220	323.54
73211	16	175	230	343.69
73212	17	180	280	364.00
73213	18	190	330	384.30
73214	19	195	430	404.45
73215	20	210	460	434.79
73216	21	220	500	465.13
73217	22	240	650	505.65
73218	23	260	700	545.96
73219	24	270	750	586.48
73220	25	290	800	626.71
73221	26	290	1000	667.39
73222	27	300	1100	707.84
73223	28	320	1150	758.26
73224	29	330	1300	809.04
73225	30	350	1150	859.46
73226	32	350	1150	910.10



73167

NOU

Cap cheie tubulara in cruce, izolata la1000 V

- *material: crom vanadium*
- *capul cheii este tratat in intregime*
- *cap:cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



73167	8-10-12-14	330	1E	6	990.78



220/3LVDEDP

Chei locas hexagonal izolate la 1000 V

- *material:crom vanadium*
- *capul cheii este tratat in intregime*
- *in concordanta cu standardul EN 60900*

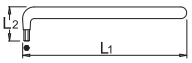
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





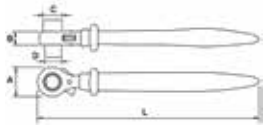
		L1	L2				
619136	3	130	26	20	4B	10	48.52
619137	4	145	31	31	4B	10	50.66
619138	5	165	36	53	4B	10	51.97
619139	6	188	40	73	4B	10	55.41
619140	8	206	49	135	4B	10	61.97
619141	10	234	55	221	4B	10	74.92
619142	12	262	58	346	4B	10	94.10

NOU

Cheie cu clichet si doua deschideri izolata la 1000 V

- *ofera o mare versatilitate in diverse aplicatii, facandu-le ideale pentru instalarea de centre de alimentare integrate (IPC) si suruburi despicate.*
- *sistemul cu clichet permite economisirea timpului de lucru.*
- *doua dimensiuni pentru o mai mare versatilitate cu o singura cheie*
- *izolatia din PVC asigura aderenta maxima si siguranta impotriva eventualelor neprevazute*
- *aparatoare si capete anti-soc*





		L	A	B	C	D		
36427	13-17	280	41	17	19	24	340	543.43
36971	17-19	320	43	19	24	27	520	699.81
36972	19-22	320	50	19	26	29	520	728.44
36973	22-24	370	52	21	31	34	800	852.47
36974	24-30	420	60	21	32	41	1000	1224.42
36975	30-32	420	60	22	40	44	1100	1224.42

NOU

Chei locas hexagonal izolata la 1000 V

- *material: crom vanadiu*
- *material izolatie PVC*
- *duritate: 50 HRc*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



73155	3	16	139.87
73156	4	30	154.08
73157	5	42	166.05
73158	6	55	189.32
73159	8	100	227.99
73025	1/8"	20	139.87
73026	3/16"	30	166.05
73027	7/32"	50	189.62
73028	15/64"	55	189.32
73037	5/16"	100	227.99

220TVDE

Chei in T izolate la 1000 V

- *100% control - fiecare piesa este testata*
- *in concordanta cu standardul EN 60900*





		L	B				
619132	4	200	69	98	1E	10	147.70
619133	5	203	69	105	1E	10	157.38
619134	6	207	98	126	1E	10	169.18
619135	8	209	99	145	1E	10	179.51

220TVDE4PB

Set chei locas hexagonal T in cutie de plastic



621648	4 - 8 / 4	747	1F	1	794.43

220TVDE (4, 5, 6, 8)

NOU

Antrenor cu clichet reversibil 1/4" izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



73687	1/4"	124	140	657.35

NOU

Cap cheie tubulara 1/4" cu 6 laturi izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

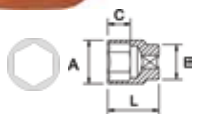
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





		L	A	B	C		
73230	4	42	11	18	11	15	**85.96**
73228	4,5	42	11	18	11	15	**88.86**
73231	5	42	12	18	11	15	**91.69**
73229	5,5	42	12	18	11	15	**94.59**
73232	6	42	13	18	11	15	**97.49**
73233	7	42	14	18	11	15	**100.24**
73234	8	42	16	18	11	15	**103.29**
73235	9	42	17	18	11	15	**106.11**
73236	10	42	18	18	11	25	**108.86**
73237	11	42	19	18	15	25	**111.99**
73238	12	42	21	18	15	30	**114.66**
73239	13	42	22	18	15	30	**117.49**
73240	14	42	23	18	15	35	**120.32**

NOU

Cap cheie tubulara 1/4" lunga cu 6 laturi izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

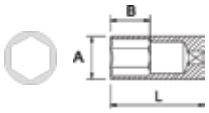
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





		L	A	B		
75050	4	48	7,5	8,0	33	**156.38**
75051	4,5	48	8,0	8,1	33	**156.38**
75052	5	48	9,0	8,2	33	**156.38**
75053	5,5	48	10	8,3	33	**161.96**
75054	6	48	11	10	33	**161.96**
75055	7	48	12	10	33	**161.96**
75056	8	48	12	10	35	**178.76**
75057	9	48	14	10	42	**178.76**
75058	10	48	15	12	46	**184.27**
75059	11	48	17	12	50	**189.99**
75060	12	48	17	12	55	**195.57**
75061	13	48	18	12	65	**195.57**
75062	14	48	20	12	65	**201.00**

NOU

Cap cheie tubulara 1/4" izolat la 1000 V cu profil hexagonal

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



73250	3	16	**462.75**
73251	4	18	**462.75**
73252	5	20	**462.75**
73253	6	22	**462.75**
73254	7	24	**462.75**

NOU

Cap cheie tubulara 1/4" izolat la 1000 V cu profil TORX

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



	TORX	L		
79495	TX 20	55	20	**573.84**
79496	TX 25	55	20	**573.84**
79497	TX 30	55	25	**573.84**

NOU

Cap cheie tubulara 1/4" cu 12 laturi izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

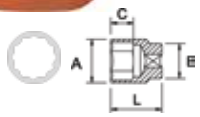
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





		L	A	B	C		
73241	4	42	11	18	11	15	**85.96**
73242	4,5	42	11	18	11	15	**88.86**
74885	5	42	12	18	11	15	**91.69**
74886	5,5	42	12	18	11	15	**94.59**
74887	6	42	13	18	11	15	**97.49**
74888	7	42	14	18	11	15	**100.24**
74889	8	42	16	18	11	15	**103.29**
74890	9	42	17	18	11	15	**106.11**
74891	10	42	18	18	11	25	**108.86**
74892	11	42	19	18	15	25	**111.99**
74893	12	42	21	18	15	30	**114.66**
74894	13	42	22	18	15	30	**117.49**
74895	14	42	23	18	15	35	**120.32**

NOU

Cap cheie tubulara 1/4" lunga cu 12 laturi izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

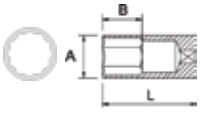
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





		L	A	B		
75070	5	48	9,0	80	33	**156.38**
75071	5,5	48	10	80	33	**156.38**
75072	6	48	11	10	33	**161.96**
75073	7	48	12	10	33	**161.96**
75074	8	48	12	10	35	**178.76**
75075	9	48	14	10	42	**178.76**
75076	10	48	15	12	46	**184.27**
75077	11	48	17	12	50	**189.99**
75078	12	48	17	12	55	**195.57**
75079	13	48	18	12	65	**201.00**
75080	14	48	20	12	65	**201.00**

NOU

Maner antrenare 1/4" tip surubelnita izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



	"	L		
73256	1/4"	270	150	**859.46**

NOU

Prelungitor 1/4" izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



73244	50	28	**172.00**
73245	100	52	**197.13**
75204	150	80	**366.08**

NOU

Maner in T 1/4" izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



73243	170	140	**323.54**

NOU

Adaptor 1/4"-3/8" izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



79922	1/4" - 3/8"	30	**461.56**

79067 NOU

Trusa capete chei tubulare 1/4" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*



79067	6	850	1G	1	**2259.15**

73234, 73236, 73238, 73239 (8, 10, 12, 13)
73252 (HX 5),
73687 (1/4"),

79068 NOU

Trusa capete chei tubulare 1/4" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*





79068	11	950	1G	1	**2794.85**

(6, 7, 8, 9, 10, 11, 12, 13, 14)
73252 (HX 5),
73687 (1/4"),

79475 NOU

Trusa capete chei tubulare 1/4" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*





79475	10	1000	1G	1	**2688.58**

(3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16")
73244, 73245
73687 (1/4"),

79476 NOU

Trusa capete chei tubulare lungi 1/4" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*





79476	10	1200	1G	1	**3191.56**

(3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16")
73244, 73245
73687 (1/4"),

79069 NOU

Trusa capete chei tubulare 1/4" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*





79069	16	1500	1G	1	**4429.22**

(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14)
73251, 73252, 73253 (HX 4, HX 5, HX 6),
73687 (1/4"),
73245

73014 NOU

Trusa capete chei tubulare 1/4" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*





73014	19	2000	1G	1	**5456.96**

(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14)
(HX 3, HX 4, HX 5, HX 6, HX 7),
73687 (1/4"),
73245
73256

79070 NOU

Trusa capete chei tubulare 1/4" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*





79070	21	1800	1G	1	5384.16

(8, 10, 12, 13, 14)
(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14)
(HX 4, HX 5, HX 6),
73687 (1/4"),
73245





NOU

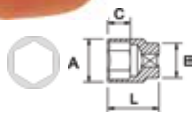
Cap cheie tubulara 3/8" cu 6 laturi izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:
- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important
- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





		L	A	B	C		
74914	6	27	11	17	12	20	145.23
74915	7	27	12	17	12	20	145.23
74916	8	27	13	17	12	25	145.23
74917	9	27	14	17	12	25	145.23
74918	10	27	15	17	12	31	150.80
74919	11	27	16	17	12	31	150.80
74920	12	27	17	17	12	33	150.80
74921	13	27	18	17	12	33	156.38
74922	14	27	20	18	14	33	156.38
74923	15	27	22	20	14	35	156.38
74924	16	27	23	20	14	35	156.38
74925	17	29	24	21	16	35	156.38
74926	18	29	26	22	16	45	161.96
74927	19	29	26	22	16	45	161.96
74928	20	31	28	24	18	50	161.96
74929	21	31	28	24	18	55	161.96
74930	22	31	30	26	18	65	161.96
74997	23	31	32	28	18	70	173.19
74998	24	31	32	28	18	75	173.19
36789	26	31	34	30	18	80	203.45

NOU

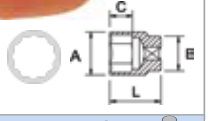
Cap cheie tubulara 3/8" cu 6 laturi izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:
- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important
- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





		L	A	B	C		
73261	8	27	13	17	12	25	145.23
73262	9	27	14	17	12	25	145.23
73263	10	27	15	17	12	31	150.80
73264	11	27	16	17	12	31	150.80
73265	12	27	17	17	12	33	150.80
73266	13	27	18	17	12	35	150.80
73267	14	27	20	18	14	33	150.80
73268	15	27	22	20	14	35	156.38
73269	16	27	23	20	14	35	156.38
73270	17	29	24	21	16	35	156.38
73271	18	29	26	22	16	45	156.38
73272	19	29	26	22	16	45	156.38
73273	20	31	28	24	18	50	161.96
73274	21	31	28	24	18	55	161.96
73275	22	31	30	26	18	65	161.96

NOU

Adaptor izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:
- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important
- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



73284	3/8" - 1/2"	47	505.65
73285	3/8" - 1/4"	65	687.61

NOU

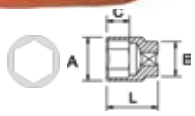
Cap cheie tubulara 3/8" lunga cu 6 laturi izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:
- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important
- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





		L	A	B		
75115	7	62	12	12	90	301.61
75116	8	62	13	12	95	301.61
75117	9	62	14	12	95	301.61
75118	10	62	15	12	95	301.61
75119	11	62	16	14	95	335.14
75120	12	62	18	14	95	335.14
75121	13	62	20	18	95	335.14
75122	14	62	20	18	95	335.14
75123	15	62	22	18	105	335.14
75124	16	62	22	18	105	357.45
75125	17	62	24	18	135	357.45
75126	18	62	27	18	165	357.45
75127	19	62	27	18	160	357.45
75129	21	62	29	20	185	379.69
75130	22	62	31	20	210	379.69

NOU

Cap cheie tubulara 3/8" lunga cu 12 laturi izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



	L	A	B		
75140	7	62	12	12	90	**290.45**
75141	8	62	13	12	95	**290.45**
75142	9	62	14	12	95	**290.45**
75143	10	62	15	12	95	**301.61**
75144	11	62	16	14	95	**301.61**
75145	12	62	18	14	95	**301.61**
75146	13	62	20	18	95	**301.61**
75147	14	62	20	18	95	**301.61**
75148	15	62	23	18	105	**312.76**
75149	16	62	23	18	105	**346.37**
75150	17	62	25	18	135	**346.37**
75151	18	62	27	18	165	**346.37**
75152	19	62	27	18	160	**357.45**
75153	20	62	29	20	185	**368.53**
75154	21	62	29	20	185	**368.53**
75155	22	62	31	20	210	**368.53**

NOU

Cap cheie tubulara 1/4" izolat la 1000 V cu profil TORX

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



TORX	L		
79892	T-10	68	38	**315.36**
79893	T-15	68	39	**315.36**
79894	T-20	68	39	**315.36**
79895	T-25	68	39	**315.36**
79896	T-27	68	40	**315.36**
79498	T-30	68	39	**315.36**
79950	T-35	68	44	**315.36**
79897	T-40	68	40	**315.36**
79898	T-45	68	44	**315.36**
79951	T-50	68	45	**315.36**

NOU

Cap cheie tubulara 3/8" izolat la 1000 V cu profil hexagonal lung

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



79939	4	54	**517.85**
79940	5	56	**517.85**
79941	6	60	**517.85**
79942	8	75	**517.85**
79943	10	90	**517.85**

NOU

Cap cheie tubulara 1/4" izolat la 1000 V cu profil TORX lung

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



TORX	L		
79952	T-25	120	55	**315.36**
79953	T-30	120	55	**315.36**
79954	T-35	120	70	**315.36**
79955	T-50	120	70	**315.36**

NOU

Cap cheie tubulara 1/4" izolat la 1000 V cu profil TORX TAMPER TT

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



TORX	L		
79956	TT-45	68	44	**315.36**

NOU

Cap cheie tubulara 1/4" izolat la 1000 V cu profil TORX TAMPER TT, lung

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



TORX	L		
79957	TT-45	120	70	**315.36**

NOU

Prelungitor izolat la 1000 V, 3/8"

- *material:crom vanadium*
- *forjata, calire si revenire totala*
- *cap:cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

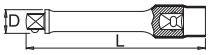
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti culori diferite*





			D				
74236	3/8"	50	17	50	4B	6	**368.53**
73276	3/8"	100	17	110	4B	6	**252.83**
73280	3/8"	125	17	121		6	**293.13**
73281	3/8"	250	17	290	4B	6	**485.35**

NOU

Antrenor cu clichet reversibil 3/8" izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



		L		
73685	3/8"	200	390	**728.07**

79071 NOU

Trusa capete chei tubulare 3/8" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*





79071	6	1500	1G	1	3651.48

(8, 10, 13, 17)
(HX 4, HX 5),
73685 (3/8"),
73280

79072 NOU

Trusa capete chei tubulare 3/8" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*





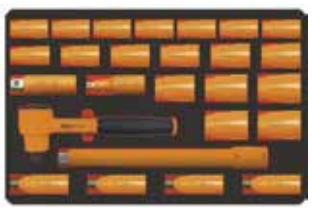
79072	10	2000	1G	1	3672.60

(8-10-13-14-17-19-21)
(HX 5),
73685 (3/8"),
73280

79073 NOU

Trusa capete chei tubulare 3/8" izolate la 1000 V in cutie de aluminiu

- *Dimensiunea cutiei : 288 x 180 x 53 mm*





79073	26	2000	1G	1	9515.41

(6-7-8-9-10-11-12-13-14-16-17-18-19-20-21-22-23-24)
(HX 4, HX 5. HX 6, HX 7),
73685 (3/8"),
73281 (3/8"-1/2" - 3/8"-1/4"),

NOU

Adaptor izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



	inch		
73286	1/2" -1/4"	80	505.65
73449	1/2" - 3/8"	80	505.65

190/2VDEDP

Cap cheie tubulara 1/2" izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

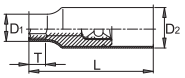
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	D1	D2	L	T				
617803	8	18	27.4	54.6	12	65	4B	10	66.56
612195	10	18	26	51.5	12	72	4B	10	67.70
612196	11	19.5	26.5	51.5	12	75	4B	10	67.70
612197	12	20.5	26.5	51.5	12	74	4B	10	68.20
612198	13	21.5	26.5	51.5	12	77	4B	10	68.52
612199	14	22.5	26.5	51.5	12	75	4B	10	68.52
621594	15	51.5	23.5	26.5	12	78	4B	10	68.52
621595	16	51.5	26	25.2	12	82	4B	10	69.02
612200	17	28	26	51.5	12	83	4B	10	72.46
621596	18	51.5	28.5	26.5	12	94	4B	10	74.92
612201	19	30	28	51.5	14	96	4B	10	78.36
621597	20	51.5	31.3	27.3	14	106	4B	10	78.36
621598	21	51.5	32.5	28.2	14	115	4B	10	82.13
612202	22	34	29	51.5	14	108	4B	10	86.72
612203	24	37	32.5	55	16	158	4B	10	92.13
617804	27	40.5	32.5	58	18	176	4B	10	100.98
621602	30	59.5	44	37.1	22	247	4B	10	121.15
621603	32	59.5	46.6	39.4	22	284	4B	10	125.08

FR350

Cap cheie tubulara 1/2" izolat la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap:cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



FRIEDRICH Sicherheitswerkzeuge

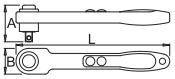
	Dimensiune	Ø mm	
350082	8	60	98.67
350099	9	58	98.67
350105	10	60	98.67
350112	11	63	98.67
350129	12	64	98.67
350136	13	64	98.67
350143	14	67	99.68
350150	15	63	99.68
350167	16	69	100.95
350174	17	74	100.95
350181	18	91	100.95
350198	19	83	100.95
350204	20	101	111.27
350211	21	107	111.27
350228	22	114	111.27
350235	23	118	111.27
350242	24	117	116.65
350266	26	138	124.69
350273	27	181	124.69
350280	28	185	126.24
350303	30	195	126.24
350327	32	200	128.61

190.1VDE

Antrenor cu clichet reversibil 1/2" izolat la 1000 V

- *material: crom vanadium*
- *cu 36 dinti*
- *unghiul minim de rotatie 10°*
- *Buton de schimbare sens*
- *100% control - fiecare piesa este testata*
- *in concordanta cu standardul EN 60900*





UNIOR

	■	L	B	A				
612206	1/2"	275	46	66	553	4B	1	708.03

190/2LVDEDP

Cap cheie tubulara lunga 1/2" izolat la 1000 V

- *material:crom vanadium*
- *forjata, calire si revenire totala*
- *cap:cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

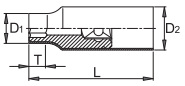
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L	D1	D2	T				
619104	10	96	20.7	27	27	116	4B	5	**89.67**
619105	11	96	21.6	27	27	116	4B	5	**89.67**
619106	12	96	22.6	27	27	123	4B	5	**90.00**
619107	13	96	23.3	27	27	127	4B	5	**90.00**
619108	14	96	25.8	27	35	134	4B	5	**90.49**
619111	17	96	30	27	35	151	4B	5	**92.13**
619113	19	96	32	27	35	170	4B	5	**94.26**
621604	22	96	33.6	29.6	35	213	4B	1	**101.80**
621605	24	96	35.6	31.6	35	238	4B	1	**106.56**

1000 V IEC 60900



FR361

Antrenor cu clichet reversibil izolat la 1000 V

- *material:crom vanadium*
- *cu 36 dinti*
- *unghiul minim de rotatie 10°*
- *buton de schimbare sens*
- *in concordanta cu standardul EN 60900*



FRIEDRICH Sicherheitswerkzeuge

		L		
361903	1/2"	280	537	**777.15**

NOU

Cap cheie tubulara cu cap hexagonal 1/2" izolata la 1000 V

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



EGA Master ART IN INNOVATION

		L	A	B		
73455	4	75			90	**493.90**
73456	5	75			95	**493.90**
73457	6	80			95	**493.90**
73458	7	80			95	**493.90**
73459	8	85			95	**493.90**
73460	9	90			95	**493.90**
73461	10	95			95	**493.90**
73462	11	135			95	**493.90**
73463	12	135			105	**493.90**
73464	13	135			105	**493.90**
73465	14	135			135	**493.90**
73468	17	160			165	**493.90**

190.1AVDEDP

Antrenor cu clichet reversibil 1/2" izolat la 1000 V

- *material: crom vanadiu*
- *Buton de schimbare sens*
- *in concordanta cu standardul EN 60900*

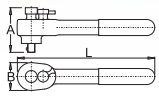
Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *cu 36 dinti*
- *unghiul minim de rotatie 10°*
- *controlul se face prin testare electrica*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

		L	B	A				
619119	1/2"	245	50	80	667	1E	1	**643.11**

FR360

Antrenor cu clichet reversibil izolat la 1000 V

- *material: crom vanadium*
- *unghiul minim de rotatie 10°*
- *buton de schimbare sens*
- *in concordanta cu standardul EN 60900*



FRIEDRICH Sicherheitswerkzeuge

		L		
360494	1/2"	260	668	**746.56**

190.4/2VDEDP

Prelungitor 1/2"izolat la 1000 V

- *material: crom vanadium*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*

Avantaje:

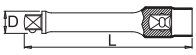
- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



UNIOR



		L	D				
612205	1/2"	125	27	209	4B	10	**130.49**
612204	1/2"	250	28	380	4B	10	**164.10**

FR375

Prelungitor 1/2"izolat la 1000 V

- *material: crom vanadium*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*



FRIEDRICH Sicherheitswerkzeuge

		L		
375139	1/2"	125	206	**280.68**

190.5/2VDEDP

Antrenor cotit cu maner 1/2" izolat la 1000 V

- *material:crom vanadium*
- *forjat, tratat complet*
- *acoperire cromare conform EN12540*
- *in concordanta cu standardul EN 60900*



UNIOR

	L1	L2				
615178	250	72	408	1E	10	**137.21**

Antrenor T izolat la 1000 V

- *material: crom vanadium*
- *forjata, calire si revenire totala*
- *cap: cromat in concordanta cu EN12540*
- *in concordanta cu standardul EN 60900*



EGA Master ART IN INNOVATION

		L		
73243	1/4"	170	140	**323.54**
73283	3/8"	200	600	**606.71**
73448	1/2"	200	600	**910.10**

190VDE6P11A

Set de capete chei tubulare izolate la 1000 V in cutie metalica

- *Dimensiunea cutiei : 321 x 198 x 54*



612678	10 - 24 / 11	2620	1G	1	**1709.02**

190/2VDEDP (10, 11, 12, 13, 14, 17, 19, 22, 24), **190.1VDE** (1/2"), **190.4/2VDEDP** (1/2" x 125)

190VDEDP6P13B

Capete chei tubulare 1/2" izolate la 1000 V in cutie metalica

- *Dimensiunea cutiei : 321 x 198 x 54*



619420	8 - 27 / 13	3096	1G	1	**1879.51**

190/2VDEDP (8, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27), **190.1AVDEDP** (1/2"), **190.4/2VDEDP** (1/2" x 125)

190VDE12P11L

Capete chei tubulare lungi 1/2" izolate la 1000 V in cutie metalica

- *Dimensiunea cutiei : 448 x 198 x 54 mm*



625166	10 - 24 / 11	2620	1G	1	**1898.69**

190/2LVDEDP (10, 11, 12, 13, 14, 17, 19, 22, 24), **190.1AVDEDP** (1/2"), **190.4/2VDEDP** (1/2" x 125)

79078 NOU

Set de 37 capete chei tubulare izolate la 1000 V in cutie metalica



79078	8 - 32 / 37	10200	1G	1	**14467.16**

(8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32) (1/2"-3/8"), (10, 13, 17, 19) (125) (HX 6, HX 8 HX 11, HX 12, HX 13, HX 14),

79074 NOU

Set 10 de capete chei tubulare izolate la 1000 V in cutie metalica



79074	8 - 22 / 10	3000	1G	1	**3318.94**

(8, 10, 13, 17, 18, 19, 21, 22 mm) **73683** (1/2"), **73445** (1/2" x 125)

79075 NOU

Set 14 de capete chei tubulare izolate la 1000 V in cutie metalica



79075	8 - 23 / 14	2620	1G	1	**4169.85**

(8-9-10-11-12-13-14-17-19-21-22-23 mm) **73683** (1/2"), **73445** (1/2" x 125)

79479 NOU

Set 12 de capete chei tubulare izolate la 1000 V in cutie metalica



79479	1/2"-1" / 12	3200	1G	1	**5029.75**

(1/2-9/16-5/8-11/16-3/4-13/16-7/8-15/16-1") **73683** (1/2"), **73445, 73446** (1/2" x 125, 250)

79076 NOU

Set 15 de capete chei tubulare lungi, izolate la 1000 V in cutie metalica



79076	10 - 27 / 15	3200	1G	1	**7592.52**

(10-12-13-14-15-16-17-18-19-21-22-23-27 mm) **73683** (1/2"), **73446** (1/2" x 250)

73017 NOU

Set 18 de capete chei tubulare lungi, izolate la 1000 V in cutie metalica



73017	6 - 23 / 18	3000	1G	1	**4500.90**

(6-7 (1/4"); 8-9-10-11-12-13-14-16-17-18-19-21-23 mm) **73683** (1/2"), **73286** (1/2"-1/4") **73446** (1/2" x 125)

190VDE6P10

Set capete chei tubulare izolate la 1000 V in cutie de plastic

- *Dimensiunea cutiei : 307 x 260 x 70*



621646	13 - 27 / 10	2400	1F	1	**1701.64**

190/2VDEDP (13, 14, 17, 19, 22, 24, 27),
190.1VDE (1/2"),
190.4/2VDEDP (1/2"x125, 1/2"x250),
981PBM2 (307 x 260 x 74)

NOU

Cheie dinamometrica 3/8" izolata la 1000 V

- *semnal tactil de oprire*
- *cu adaptor cu clichet de 3/8".*
- *inlocuirea adaptorului cu clichet 725QR VDE fara a fi nevoie să verificați din nou izolația*
- *blocare de siguranță QuickRelease*
- *reglare rapidă și precisă cu reglarea rapidă QuickSelect*
- *izolarea dublă permite funcționarea la tensiuni de până la 1.000, în timp ce respectă VDE (în conformitate cu IEC 60900)*
- *cu o izolație din plastic poliamidă armat cu fibră de sticlă, care este rezistentă la fluidele care apar adesea în mediile de lucru, cum ar fi soluții alcaline, combustibili sau uleiuri*
- *scară dublă ușor de citit cu diferențierea culorilor de N·m/ft·lb*
- *nu este necesară resetarea la „0", deoarece elementul de măsurare este încărcat numai în timpul strângerii*
- *mecanism de declanșare cu uzură redusă*
- *reajustare fara demontare si fara verificarea din nou a izolatiei*
- *certificat de calibrare conform DIN EN ISO 6789-2:2017*
- *abatere de afișare ± 3%*



	■	Nm	L			
96550125	3/8"	4 - 25	337	1030	1	**6679.19**
96550150	3/8"	10 - 50	391.5	1140	1	**7216.57**



7999X

NOU

Chei dinamometrice reglabile izolate la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900, fiecare dintre piese fiind testata la 10.000 V (de 10 ori tensiunea pe care o certifica)*
- *de asemenea, acestea sunt testate riguros in conformitate cu ceea ce stabilesc normele: test de aderenta, test de impact, test de propagare a flacării si test de penetrare dielectrica*
- *domenii de utilizare: instalatii electrice, retele de joasa tensiune, centrale electrice, telecomunicatii, statii si substatii electrice, intretinere electrica, retele de inalta tensiune, pompieri, instalarea si repararea iluminatului*
- *acuratete: 4%*



IEC 60900

	■	Nm	L			
79990	1/4"	5 - 25	290	600	1	**5226.96**
79995	3/8"	5 - 25	290	600	1	**5226.96**
79993	3/8"	10 - 50	290	600	1	**5702.27**
79991	1/2"	10 - 50	290	700	1	**5702.27**
79992	1/2"	20 - 100	390	700	1	**9028.35**
79994	1/2"	40 - 200	550	1700	1	**10929.08**

3007X

NOU

Chei dinamometrice presetate izolate la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900, fiecare dintre piese fiind testata la 10.000 V (de 10 ori tensiunea pe care o certifica)*
- *de asemenea, acestea sunt testate riguros in conformitate cu ceea ce stabilesc normele: test de aderenta, test de impact, test de propagare a flacării si test de penetrare dielectrica*
- *domenii de utilizare: instalatii electrice, retele de joasa tensiune, centrale electrice, telecomunicatii, statii si substatii electrice, intretinere electrica, retele de inalta tensiune, pompieri, instalarea si repararea iluminatului*
- *acuratete: 4%*



IEC 60900

	■	Nm	L			
30068	1/4"	5 - 25	290	600	1	**7317.83**
30069	1/2"	10 - 50	290	700	1	**7983.06**
30070	1/2"	20 - 100	290	700	1	**12639.68**
30071	3/8"	10 - 50	290	600	1	**7983.06**
30072	1/2"	40 - 200	390	1700	1	**15300.67**
30073	3/8"	5 - 25	550	600	1	**7317.83**

79434

NOU

Cheie dinamometrica 3/8" 20-200 Nm izolata la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900, fiecare dintre piese fiind testata la 10.000 V (de 10 ori tensiunea pe care o certifica)*
- *de asemenea, acestea sunt testate riguros in conformitate cu ceea ce stabilesc normele: test de aderenta, test de impact, test de propagare a flacării si test de penetrare dielectrica*
- *domenii de utilizare: instalatii electrice, retele de joasa tensiune, centrale electrice, telecomunicatii, statii si substatii electrice, intretinere electrica, retele de inalta tensiune, pompieri, instalarea si repararea iluminatului*
- *acuratete: 4%*



IEC 60900

	■	Nm	Lb.in	L		
79434	3/8"	20 - 200	14,7-73,6	405	1300	**4468.78**

79435

NOU

Cheie dinamometrica 1/2" 20-200 Nm izolata la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900, fiecare dintre piese fiind testata la 10.000 V (de 10 ori tensiunea pe care o certifica)*
- *de asemenea, acestea sunt testate riguros in conformitate cu ceea ce stabilesc normele: test de aderenta, test de impact, test de propagare a flacării si test de penetrare dielectrica*
- *domenii de utilizare: instalatii electrice, retele de joasa tensiune, centrale electrice, telecomunicatii, statii si substatii electrice, intretinere electrica, retele de inalta tensiune, pompieri, instalarea si repararea iluminatului*
- *acuratete: 4%*



IEC 60900

	■	Nm	Lb.ft	L		
79435	1/2"	20 - 200	15-150	500	1260	**5746.67**

37190 NOU

Surubelnita dinamometrica 1-5 Nm izolata la 1000 V

1000V IEC 60900

- *surubelnita dinamometrica izolata la 1000 V EGA Master combina precizia, siguranta si ergonomia pentru lucrari electrice de mare solicitare.*
- *izolatia sa certificata de pana la 1000V protejeaza operatorul de pericolele electrice, facandu-l un instrument esential pentru profesionistii din sectoarele electrice si industriale.*
- *interval: 1-5 Nm.*
- *hexagon atrenare: 9 mm*
- *precizie: ±6% in sensul acelor de ceasornic*
- *maner bimaterial: aderenta sporita si rezistenta la substante chimice, uleiuri si solventi*
- *reglare usoara cu scala integrata*
- *sistem de blocare pentru a preveni reglajele accidentale*
- *compatibil cu mai multe biti de surubelnita*
- *material biti: aliaj CR-Mo-V*
- *material maner: Bi-material (PP + TPV)*
- *duritate biti: 52-56 HRc*







EGA Master ART IN INNOVATION — IEC 60900

			Nm	L		
37190	9 mm	1	1 - 5	195	300	**1671.64**

371SL NOU

Biti cu profil lat izolati la 1000 V

1000V IEC 60900

- *material biti: aliaj CR-Mo-V*
- *duritate biti: 52-56 HRc*
- *hexagon atrenare: 9 mm*



EGA Master ART IN INNOVATION — IEC 60900

	—	Nm	L			
37191	3,0	110	60	30	1	**58.85**
37192	4,0	130	80	50	1	**58.85**
37193	5,5	130	80	50	1	**58.85**
37194	6,5	150	100	80	1	**58.85**

371PH NOU

Biti cu profil Phillips izolati la 1000 V

1000V IEC 60900

- *material biti: aliaj CR-Mo-V*
- *duritate biti: 52-56 HRc*
- *hexagon atrenare: 9 mm*



EGA Master ART IN INNOVATION — IEC 60900

	+	Nm	L			
37195	PH 1	130	80	50	1	**58.85**
37196	PH 2	150	100	80	1	**58.85**

371PZ NOU

Biti cu profil Pozidrive izolati la 1000 V

1000V IEC 60900

- *material biti: aliaj CR-Mo-V*
- *duritate biti: 52-56 HRc*
- *hexagon atrenare: 9 mm*



EGA Master ART IN INNOVATION — IEC 60900

	+	Nm	L			
37197	PZ 1	130	80	50	1	**58.85**
37198	PZ 2	150	100	80	1	**58.85**

371TX NOU

Biti cu profil TORX izolati la 1000 V

1000V IEC 60900

- *material biti: aliaj CR-Mo-V*
- *duritate biti: 52-56 HRc*
- *hexagon atrenare: 9 mm*



EGA Master ART IN INNOVATION — IEC 60900

	✸	Nm	L			
37199	TX 10	150	100	80	1	**58.85**
37200	TX 15	150	100	80	1	**58.85**
37201	TX 20	150	100	80	1	**58.85**
37202	TX 25	150	100	80	1	**58.85**
37203	TX 27	150	100	80	1	**58.85**
37204	TX 30	150	100	80	1	**58.85**

37206 NOU

Surubelnita dinamometrica 1-5 Nm izolata la 1000 V cu set 8 biti

1000V IEC 60900

- *surubelnita dinamometrica izolata la 1000 V EGA Master combina precizia, siguranta si ergonomia pentru lucrari electrice de mare solicitare.*
- *izolatia sa certificata de pana la 1000V protejeaza operatorul de pericolele electrice, facandu-l un instrument esential pentru profesionistii din sectoarele electrice si industriale.*
- *interval: 1-5 Nm.*
- *hexagon atrenare: 9 mm*
- *precizie: ±6% in sensul acelor de ceasornic*
- *maner bimaterial: aderenta sporita si rezistenta la substante chimice, uleiuri si solventi*
- *reglare usoara cu scala integrata*
- *sistem de blocare pentru a preveni reglajele accidentale*
- *compatibil cu mai multe biti de surubelnita*
- *material biti: aliaj CR-Mo-V*
- *material maner: Bi-material (PP + TPV)*
- *duritate biti: 52-56 HRc*



EGA Master ART IN INNOVATION — IEC 60900

			Nm	L		
37206	9 mm	9	1 - 5	195	500	**2142.79**

SL (3.0, 4.0, 5.5, 6,5); **PH** (PH 1, PH 2); **PZ** (PZ 1, PZ 2)

37207 NOU

Surubelnita dinamometrica 1-5 Nm izolata la 1000 V cu set 14 biti

1000V IEC 60900

- *surubelnita dinamometrica izolata la 1000 V EGA Master combina precizia, siguranta si ergonomia pentru lucrari electrice de mare solicitare.*
- *izolatia sa certificata de pana la 1000V protejeaza operatorul de pericolele electrice, facandu-l un instrument esential pentru profesionistii din sectoarele electrice si industriale.*
- *interval: 1-5 Nm.*
- *hexagon atrenare: 9 mm*
- *precizie: ±6% in sensul acelor de ceasornic*
- *maner bimaterial: aderenta sporita si rezistenta la substante chimice, uleiuri si solventi*
- *reglare usoara cu scala integrata*
- *sistem de blocare pentru a preveni reglajele accidentale*
- *compatibil cu mai multe biti de surubelnita*
- *material biti: aliaj CR-Mo-V*
- *material maner: Bi-material (PP + TPV)*
- *duritate biti: 52-56 HRc*



EGA Master ART IN INNOVATION — IEC 60900

			Nm	L		
37207	9 mm	15	1 - 5	195	1500	**3180.16**

SL (3.0, 4.0, 5.5, 6,5); **PH** (PH 1, PH 2); **PZ** (PZ 1, PZ 2)
TX (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30)

406/1VDEDP

Cleste combinat izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5746 si EN 60900*

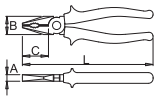
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L	B	C	A				
619177	140	23	32	8	157	4B	1	**151.15**
619178	160	24	35	9.5	219	4B	1	**147.87**
619179	180	27	38	10	269	4B	1	**151.97**
619180	200	29	41	10.5	321	4B	1	**156.39**
619181	220	32	47	11	376	4B	1	**171.80**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
619177	140	1,6		2,0	
619178	160	1,6		2,0	
619179	180	1,8		2,5	
619180	200	2,0		2,5	
619181	220	2,0		3,0	

FR100

Cleste combinat complet izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *unghiul de deschidere limitat la 30°*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul EN 60900 si DIN ISO 5746*



FRIEDRICH Sicherheitswerkzeuge

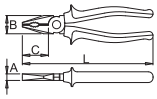
	L	Ø mm		
FR100199	190	2,3	320	**437.38**
FR100205	210	2,8	380	**467.87**

406/1VDEBI

Cleste combinat izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5746 si EN 60900*





UNIOR

	L	B	C	A				
610421	160	24	35	9.5	224	4B	1	**121.31**
610422	180	27	38	10	274	4B	1	**120.98**
610423	200	29	41	10.5	344	4B	1	**136.07**
610424	220	32	47	11	424	4B	1	**160.82**

capacitatea de taiere (10N=1kg)

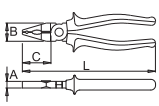
	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
610421	160	1,6		2,0	
610422	180	1,8		2,5	
610423	200	2,0		2,5	
610424	220	2,0		3,0	

420/1VDEBI

Cleste combinat cu gaura izolat la 1000 V

- material: compozitie speciala pentru calire revenire
- tratat complet
- partile taietoare tratate prin inductie
- cap polizat
- finisare: cromat in conformitate cu standardul EN12540
- manere bimaterial pentru conditii grele
- in conformitate cu standardul EN 60900





UNIOR

	L	B	C	A				
610425	180	24	45	11	241	4B	1	**175.74**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
610425	180	1,8		2,5	

420/1VDEDP

Cleste combinat cu gaura izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul EN 60900*

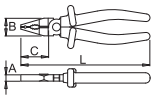
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L	B	C	A				
619176	180	24	45	11	221	4B	1	**150.66**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
619176	180	1,8		2,5	

FR100

Cleste combinat din plastic izolat la 1000V poliamida 2K

- *realizat din doua componente din plastic*
- *fara parti metalice*
- *ranforsat cu fibra de sticla*
- *domeniu de temparatura: pana la -40°C*
- *clasa C*
- *falci zimtate*



FRIEDRICH Sicherheitswerkzeuge

	Dimensiune	
FR100540	180	**193.44**

73248 NOU

Cleste presiune din plastic izolat la 1000V

- *realizat din doua componente din plastic*
- *fara parti metalice*
- *ranforsat cu fibra de sticla*
- *domeniu de temparatura: pana la -40°C*
- *falci zimtate*



EGA Master ART IN INNOVATION

	Dimensiune		
73248	200	90	**183.89**

36780 NOU

Cleste cu varf semirotund indoit din plastic izolat la 1000V

- *realizat din doua componente din plastic*
- *fara parti metalice*
- *ranforsat cu fibra de sticla*
- *domeniu de temparatura: pana la -40°C*
- *falci zimtate*



EGA Master ART IN INNOVATION

	Dimensiune	Ø mm		
36780	235	16	180	996.88

36781 NOU

Cleste cu varf lat din plastic izolat la 1000V

- *realizat din doua componente din plastic*
- *fara parti metalice*
- *ranforsat cu fibra de sticla*
- *domeniu de temparatura: pana la -40°C*
- *falci zimtate*
- *lama ceramica*



EGA Master ART IN INNOVATION

	Dimensiune	Ø mm		
36781	220	16	175	992.64

36778 NOU

Cleste cu tais lateral din plastic, izolat la 1000V

- *realizat din doua componente din plastic*
- *fara parti metalice*
- *ranforsat cu fibra de sticla*
- *domeniu de temparatura: pana la -40°C*
- *falci zimtate*
- *lama ceramica*



EGA Master ART IN INNOVATION

	Dimensiune	Ø mm		
36778	210	16	170	1598.46

36779 NOU

Cleste combinat din plastic izolat la 1000V

- *realizat din doua componente din plastic*
- *fara parti metalice*
- *ranforsat cu fibra de sticla*
- *domeniu de temparatura: pana la -40°C*
- *falci zimtate*
- *lama ceramica*



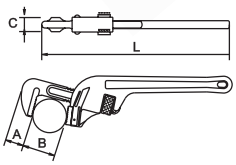
EGA Master ART IN INNOVATION

	Dimensiune	Ø mm		
36779	210	16	170	1000.30

Cleste instalator izolat la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900, fiecare dintre piese fiind testata la 10.000 V (de 10 ori tensiunea pe care o certifica)*
- *de asemenea, acestea sunt testate riguros in conformitate cu ceea ce stabilesc normele: test de aderenta, test de impact, test de propagare a flacării si test de penetrare dielectrica*
- *domenii de utilizare: instalatii electrice, retele de joasa tensiune, centrale electrice, telecomunicatii, statii si substatii electrice, intretinere electrica, retele de inalta tensiune, pompieri, instalarea si repararea iluminatului*
- *material maner: fontă ductila (nodulara)*
- *material falca fixa: aliaj de otel*
- *material alca mobila: Cr-V*
- *material izolatie: PVC*
- *maner: 120-160Hb*
- *duritate falca fixa: 55-60 HRC*
- *duritate dinti falca mobila: 55-60 HRC*





EGA Master ART IN INNOVATION

		L	A	C			
76758	1"	8	16	20	400	6	313.28
76759	1.1/2"	10	20	23	900	6	425.42
76760	2"	12	22	26	1400	6	486.24
76761	2"	14	25	29	1600	5	544.69
76762	2.1/2"	18	27	33	2400	3	885.56

447/1VDEBI

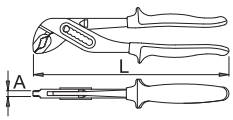
Cleste reglabil izolat la 1000 V

- *material: crom vanadium*
- *tratat complet*
- *suprafata de lucru tratata prin inductie*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 8976 si EN 60900*

Avantaje:

- *deschiderea falcii reglabila in 7 pozitii*
- *forma speciala cu crestatura previne strivirea degetelor intre brate*





UNIOR

	L	A					
611993	240	6.5	35	367	4B	1	179.51

447/1VDEDP

Cleste reglabil pentru instalatii izolat la 1000 V

- material: crom vanadium
- tratat complet
- suprafata de lucru tratata prin inductie
- finisare: cromat in conformitate cu standardul EN12540
- in conformitate cu standardul ISO 8976 si EN 60900

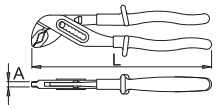
Avantaje:

- manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara
- deschiderea falcii reglabila in 7 pozitii
- forma speciala cu crestatura previne strivirea degetelor intre brate

Important

- daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua





UNIOR

	L	A					
619199	240	6.5	35	382	4B	1	144.92

73042 NOU

Cleste reglabil cu falci suprapuse, izolat la 1000 V

1000V IEC 60900

• *unelte izolate EGA Master respecta standardul international IEC 60900, fiecare dintre piese fiind testata la 10.000 V (de 10 ori tensiunea pe care o certifica)si test de penetrare dielectrica*
• *domenii de utilizare: instalatii electrice, retele de joasa tensiune, centrale electrice, telecomunicatii, statii si substatii electrice, intretinere electrica, retele de inalta tensiune, pompieri, instalarea si repararea iluminatului*
• *material: otel special*
• *material maner: PVC*
• *duritate: 45-50 HRc*
• *duritate surub: 28-50 HRc*



EGA Master ART IN INNOVATION

	L			
73001	10"	450	6	**373.36**
73012	12"	720	6	**438.13**

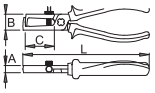
478/1VDEBI

Clesti pentru dezizolat frontal izolat la 1000 V

1000V IEC 60900

• *material: compozitie speciala pentru calire revenire*
• *tratat complet*
• *partile taietoare tratate prin inductie*
• *cap polizat*
• *finisare:cromat in conformitate cu standardul EN12540*
• *manere bimaterial pentru conditii grele*
• *capacitatea de dezizolare de la 1, 6-10 mm²*
• *arc de redeschidere*
• *in conformitate cu standardul EN 60900*





UNIOR

	L		B	A	C				
610433	160	0.6-10	18	9	40	178	4B	1	**133.28**

478/1VDEDP

Clesti pentru dezizolat frontal izolat la 1000 V

1000V IEC 60900

• *material: compozitie speciala pentru calire revenire*
• *tratat complet*
• *partile taietoare tratate prin inductie*
• *cap polizat*
• *capacitatea de dezizolare de la 1, 6-10 mm²*
• *in conformitate cu standardul EN 60900*

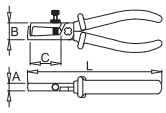
Avantaje:

• *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
• *arc de redeschidere*

Important

• *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L		B	A	C				
619186	160	0.6-10	18	9	40	167	4B	1	**175.08**

73088

Dezizolator cabluri 25-45 mm izolat la 1000V

1000V IEC 60900:2004

• *pentru dezizolarea cablurilor de la 20 la 45 mm diametru cu siguranta maximă datorita izolatiei din PVC.*
• *dispozitivul permite taierea longitudinala si transversala*
• *protectii si capete anti-soc.*





introduceți cablul așa cum se arată în imagine și, în timp ce mențineți o strângere fermă pe mânerele clestelui, rotiți cablul pentru a efectua o tăiere radială.



Introduceți cablul pe lungime, așa cum se arată în imagine, apoi mutați dispozitivul de dezimbrare în sus și în jos pe cablu pentru a efectua o tăiere longitudinală peste zona dorită.

EGA Master ART IN INNOVATION

	Dimensiune	Ø mm		
73088	245	25-45	550	**4712.61**

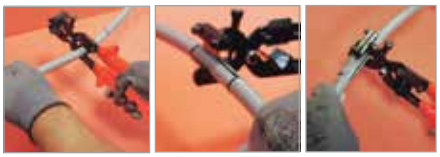
62121 NOU

Dezizolator cabluri XLPE izolat la 1000V

1000V IEC 60900:2004

• *pentru dezizolarea cablurilor de la 20 la 45 mm diametru cu siguranta maximă datorita izolatiei din PVC.*
• *dispozitivul permite taierea longitudinala si transversala*
• *protectii si capete anti-soc.*





EGA Master ART IN INNOVATION

	Dimensiune		
62121	280	670	**2094.59**

73257

Cleste pentru sertizat conectori izolati si neizolati, izolat la 1000 V

1000V IEC 60900:2004

• *capacitate: 0,75-6 mm²*



EGA Master ART IN INNOVATION

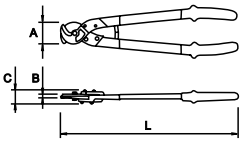
	Dimensiune	mm²		
73257	230	0.75-6	250	**387.79**

Cleste taiat cabluri izolat la 1000 V

1000V IEC 60900

• *unelte izolate EGA Master respecta standardul international IEC 60900, fiecare dintre piese fiind testata la 10.000 V (de 10 ori tensiunea pe care o certifica)*
• *domenii de utilizare: instalatii electrice, retele de joasa tensiune, centrale electrice, telecomunicatii, statii si substatii electrice, intretinere electrica, retele de inalta tensiune, pompieri, instalarea si repararea iluminatului*





EGA Master ART IN INNOVATION

	Ø	L	A	B	C	Cu/Al (mm²)			
73009	14	600	70	16	55	154	1850	1	**2286.29**

73042

Cleste taiat coliere izolat la 1000 V

1000V IEC 60900

- *uneltele izolate EGA Master respecta standardul international IEC 60900, fiecare dintre piese fiind testata la 10.000 V (de 10 ori tensiunea pe care o certifica)si test de penetrare dielectrica*
- *domenii de utilizare: instalatii electrice, retele de joasa tensiune, centrale electrice, telecomunicatii, statii si substatii electrice, intretinere electrica, retele de inalta tensiune, pompieri, instalarea si repararea iluminatului*





EGA Master ART IN INNOVATION

	L			
73042	150	100	6	**254.24**

76145

Dispozitiv taiat tevi plastic izolat la 1000 V

1000V IEC 60900

- *uneltele izolate EGA Master respecta standardul international IEC 60900, fiecare dintre piese fiind testata la 10.000 V (de 10 ori tensiunea pe care o certifica)*
- *potrivit pentru: KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTISTRAT*
- *material corp: aliaj de aluminiu*
- *material manere: PVC*
- *duritate lame: 50-54 HRc*

PIRAINA®





EGA Master ART IN INNOVATION

76145	64	600	5	**1074.51**

CARACTERISTICI

461/1VDEBI, 461/1VDEDP







FR200

Cleste tais lateral complet izolat la 1000 V

1000V IEC 60900

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *unghiul de deschidere limitat la 30°*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5749 si EN 60900*



FRIEDRICH Sicherheitswerkzeuge

	L	Ø mm		
FR200165	160	2,0	230	**459.84**
FR200189	18	2,5	320	**437.70**

462/1VDEBI

Cleste multifunctional cu tais lateral izolat la 1000 V

1000V IEC 60900

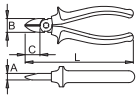
- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul EN 60900*

Avantaje:

- *Cleste dezizolator cabluri simple de sectiune 1.5 mm² pana la 2.5 mm²*



UNIOR



	L	B	A	C				
624060	160	22,5	10	22	214	4B	10	**147.21**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
624060	160		1,6		2,5

462/1VDEDP

Cleste multifunctional cu tais lateral izolat la 1000 V

1000V IEC 60900

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul EN 60900*

Avantaje:

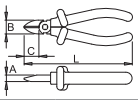
- *Cleste dezizolator cabluri simple de sectiune 1.5 mm² pana la 2.5 mm²*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



UNIOR



	L	B	A	C				
624061	160	22,5	10	22	224	4B	10	**158.03**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
624061	160		1,6		2,5

76147

Cleste pentru taiat cabluri izolat la 1000 V

1000V IEC 60900

- *in conformitate cu standardul EN 60900*
- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *capacitate de taiere Ø6.7 mm*
- *capacitate de taiere Cu/Al: 35 mm²*



	L	Ø	mm²				
76147	150	6.7	35	180	4B	10	**229.77**

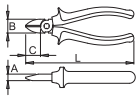
461/1VDEBI

Cleste tais lateral izolat la 1000 V

1000V IEC 60900

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5749 si EN 60900*





UNIOR

	L	B	A	C				
610426	140	19	9.5	18	169	4B	1	**127.38**
610427	160	22.5	10	22	214	4B	1	**126.39**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
610426	140	1,6		2,0	
610427	160	1,6		2,5	

461/1VDEDP

Cleste tais lateral izolat la 1000 V

1000V IEC 60900

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5749 si EN 60900*

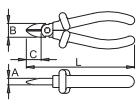
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L	B	A	C				
619193	140	19	9.5	18	174	4B	1	**136.39**
619194	160	22.5	10	22	224	4B	1	**147.87**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
619193	140	1,6		2,0	
619194	160	1,6		2,5	

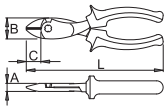
466/1VDEBI

Cleste tais lateral pentru conditii grele izolat la 1000 V

1000V IEC 60900

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5749 si EN 60900*





UNIOR

	L	B	A	C				
610428	180	28	11	20	316	4B	1	**166.72**
611756	200	27	11	21	344	4B	1	**189.18**

capacitatea de taiere (10N=1kg)

	L	max 2150 N/mm²	ØT	max 650 N/mm²	ØT
610428	180	1,8		3,0	
611756	200	2,0		3,5	

466/1VDEDP

Cleste tais lateral pentru conditii grele izolat la 1000 V

1000V IEC 60900

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5749 si EN 60900*

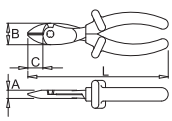
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L	B	A	C				
619195	180	28	11	20	303	4B	1	**151.15**
619196	200	27	11	21	351	4B	1	**171.80**

capacitatea de taiere (10N=1kg)

	L	max 2150 N/mm²	ØT	max 650 N/mm²	ØT
619195	180	1,8		3,0	
619196	200	2,0		3,5	

36773 NOU

Cleste tais fata pentru conditii grele izolat la 1000 V

1000V IEC 60900

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5749 si EN 60900*

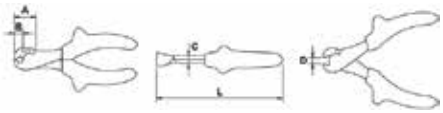
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





EGA Master ART IN INNOVATION

	L	B	A	C	D			
36773	160	9	27	11	9	303	1	**310.53**

36773 NOU

Cleste tais fata pentru conditii grele izolat la 1000 V

1000V IEC 60900

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5749 si EN 60900*

Avantaje:

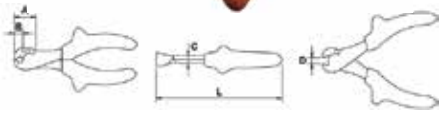
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*

DIN 5748





EGA Master ART IN INNOVATION

	L	B	A	C	D			
36774	160	9	20	11	19	250	6	**315.59**
36775	200	11	22	14	19	410	6	**334.85**

76539

Foarfeca pentru taiat cabluri, izolata la 1000 V

- *material:compozitie speciala pentru calire revenire*
- *in conformitate cu standardul IEC 60900*
- *tratat complet*
- *capacitate de taiere Ø16 mm (Cu-Ni)*



EGA Master ART IN INNOVATION

	L	Ø				
76539	190	16	165	4B	1	1192.60

79059

Foarfeca electrician, izolata la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *in conformitate cu standardul IEC 60900*
- *tratat complet*
- *duritate: 51-53 HRc*



EGA Master ART IN INNOVATION

	L				
79059	160	98	4B	1	296.10

79057 NOU

Foarfeca electrician, izolata la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *in conformitate cu standardul IEC 60900*
- *tratat complet*
- *duritate: 51-53 HRc*



EGA Master ART IN INNOVATION

	L				
79057	160	100	4B	1	267.33

79058 NOU

Foarfeca electrician, izolata la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *in conformitate cu standardul IEC 60900*
- *tratat complet*
- *duritate: 51-53 HRc*



EGA Master ART IN INNOVATION

	L				
79058	160	100	4B	1	267.33

73008

Cleste pentru taiat cabluri izolat la 1000 V

- *material:compozitie speciala pentru calire revenire*
- *in conformitate cu standardul ISO 5745 si EN 60900*
- *tratat complet*
- *capacitate de taiere Ø9 mm*
- *capacitate de taiere Cu/Al: 63 mm²*
- *material: otel special*
- *material maner: PVC*
- *duritate: 45 HRc*



EGA Master ART IN INNOVATION

	L	Ø	mm²				
73008	250	9	63	500	4B	1	402.14



472/1VDEDP

Clesti cu varfuri late izolat la 1000 V

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5745 si EN 60900*

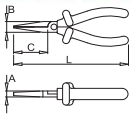
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *partea de prindere dintata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

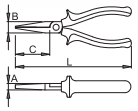
	L	B	C	A				
619182	140	15	39	8	114	4B	1	122.46
619183	160	16	49	9	153	4B	1	128.03

472/1VDEBI

Clesti cu varfuri late izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *partea de prindere dintata*
- *in conformitate cu standardul ISO 5745 si EN 60900*





UNIOR

	L	B	C	A				
610430	160	16	49	9	146	4B	1	114.59

FR100

Cleste din plastic pentru telefonie izolat la 1000V poliamida 2K

- *realizat din doua componente din plastic*
- *fara parti metalice*
- *ranforsat cu fibra de sticla*
- *domeniu de temparatura: pana la -40°C*
- *clasa C*
- *falci zimtate*



FRIED-RICH Sicherheitswerkzeuge

	Dimensiune	
FR100502	220	195.90

476/1VDEBI

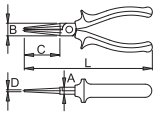
Clesti cu varfuri rotunde izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5745 si EN 60900*

Avantaje:

- *varfurile lungi asigura prinderea sarmei in locurile cele mai dificile*
- *posibilitati mici de deteriorare a sarmei*





UNIOR

	L	B	A	C	D				
610431	140	15	9	39	2	116	4B	1	109.51
610432	160	16	10	49	2.5	126	4B	1	118.85

476/1VDEDP

Cleste cu varfuri rotunde izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5745 si EN 60900*

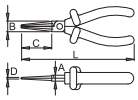
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *varfurile lungi asigura prinderea sarmei in locurile cele mai dificile*
- *posibilitati mici de deteriorare a sarmei*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L	B	A	C	D				
619184	140	15	9	39	2	114	4B	1	**125.25**
619185	160	16	10	49	2.5	139	4B	1	**129.67**

506/1VDEDP

Cleste cu varfuri rotunde si tais izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5745 si EN 60900*

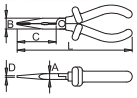
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *de asemenea pentru agatarea si separarea cablurilor sau a altor obiecte de precizie*
- *partea de prindere dintata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L	B	D	A	C				
619187	140	15	8	8	39	125	4B	1	**137.87**
619188	160	16	2.5	9	49	157	4B	1	**136.72**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
619187	140	1,6		2,0	
619188	160	1,6		2,0	

508/1VDEDP

Cleste cu varfuri semirotunde si tais izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5745 si EN 60900*

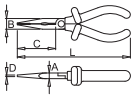
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *de asemenea pentru agatarea si separarea cablurilor sau a altor obiecte de precizie*
- *partea de prindere dintata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L	B	D	A	C				
619189	170	17	2.5	9	61	162	4B	1	**145.90**
619190	200	17	2.5	9	77	201	4B	1	**151.97**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
619189	170	1,6		2,0	
619190	200	1,8		2,5	

506/1VDEBI

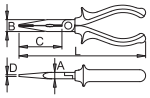
Cleste cu varfuri semirotunde si tais izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5745 si EN 60900*

Avantaje:

- *de asemenea pentru agatarea si separarea cablurilor sau a altor obiecte de precizie*
- *partea de prindere dintata*





UNIOR

	L	B	D	A	C				
610434	140	15	2	8	39	115	4B	1	**114.59**
610435	160	16	2.5	9	49	137	4B	1	**128.85**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
610434	140	1,6		2,0	
610435	160	1,6		2,0	

508/1VDEBI

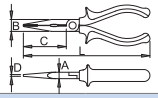
Cleste cu varfuri semirotunde si tais lateral izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5745 si EN 60900*

Avantaje:

- *de asemenea pentru agatarea si separarea cablurilor sau a altor obiecte de precizie*
- *partea de prindere dintata*





UNIOR

	L	B	D	A	C				
610436	170	17	2.5	9	61	156	4B	1	**151.31**
610437	200	17	2.5	9	77	191	4B	1	**150.98**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
610436	170	1,6		2,0	
610437	200	1,8		2,5	

512/1VDEBI

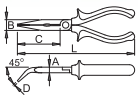
Cleste cu varfuri semirotunde indoite si tais izolat 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul EN 60900*

Avantaje:

- *varfurile lungi si indoite asigura prinderea sigura si precisa a suruburilor si piulitelor.*
- *falcile puternice asigura o strangere buna*
- *varfuri-semirotunde indoite la 45 de grade*
- *partea de prindere dintata*





UNIOR

	L	B	D	A	C				
610438	170	17	2.5	9	61	152	4B	1	**165.08**
610439	200	17	2.5	9	77	204	4B	1	**166.07**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm²	ØT	max 650 N/mm²	ØT
610438	170	1,6		2,0	
610439	200	1,8		2,5	

512/1VDEDP

Cleste cu varfuri semirotunde indoite izolat la 1000 V

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul EN 60900*

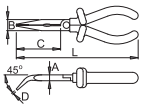
Avantaje:

- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *varfurile lungi si indoite asigura prinderea sigura si precisa a suruburilor si piulitelor.*
- *falcile puternice asigura o strangere buna*
- *varfuri-semirotunde indoite la 45 de grade*
- *partea de prindere dintata*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*





UNIOR

	L	B	D	A	C				
619191	170	17	2.5	9	61	156	4B	1	**151.97**
619192	200	17	2.5	9	77	201	4B	1	**160.66**

capacitatea de taiere (10N=1kg)

	L	max 1600 N/mm² Ø	max 650 N/mm² Ø
619191	170	1,6	2,0
619192	200	1,8	2,5

580/1VDEBI

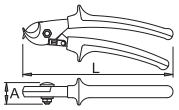
Foarfeca penrtru cabluri izolata la 1000 V

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul EN 60900:2004*

Important

- *pentru taierea cablurilor fara inima de otel*





UNIOR

	L	A				
610440	170	18	10	339	4B	1	**251.31**
610441	230	22	17	444	4B	1	**286.72**

Clesti buloane izolat la 1000 V

- *material:compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu standardul ISO 5745 si EN 60900*
- *material corp: otel special*
- *duritate margine taiere: 58-62 HRc*
- *duritate corp falci: 30-45 HRc*



EGA Master ART IN INNOVATION

	L	Ø				
73020	18"	8-6	1700	4B	1	**1645.60**
73021	24"	10-8	2700	4B	1	**1860.13**

NOU

Cleste cu clichet de taiat cabluri

- *clestele de taiat cabluri electricc cu clichet izolat 1000V este un instrument indispensabil pentru taierea cablurilor cu diametrul de pana la 52 mm, garantand o taiere fara deformari.*
- *mecanismul clichetului garanteaza o taiere progresiva si eficienta, fara nici un fel de deformare*
- *are sistem de blocare atunci cand este in poziția închis*
- *potrivit pentru utilizarea cu cabluri din cupru si aluminiu de până la 52 mm*



EGA Master ART IN INNOVATION

	L	Ø mm		
73010	260	32	600	**2010.64**
73011	380	52	800	**3127.61**

Cleste cu clichet de taiat cabluri

- *clestele de taiat cabluri electricc cu clichet izolat 1000V este un instrument indispensabil pentru taierea cablurilor cu diametrul de pana la 70 mm, garantand o taiere fara deformari.*
- *mecanismul clichetului garanteaza o taiere progresiva si eficienta, fara nici un fel de deformare*
- *are sistem de blocare atunci cand este in poziția închis*
- *potrivit pentru utilizarea cu cabluri din cupru si aluminiu de*



EGA Master ART IN INNOVATION

	L	Ø mm		
73504	500	70	3700	**7692.68**

FR502504

Cleste cu clichet de taiat cabluri

- *datorita transmisiei parghiei de actionare se pot taia usor diametre mari*
- *falci de taiere interschimbabile*
- *pentru cabluri cupru si aluminiu, nearmate*



FRIEDRICH Sicherheitswerkzeuge

	L	Ø mm		
FR502504	400	55	1530	**2902.13**

FR492324

Cleste cu clichet de taiat cabluri

- *datorita transmisiei parghiei de actionare se pot taia usor diametre mari*
- *falci de taiere interschimbabile*
- *pentru cabluri cupru si aluminiu, nearmate*



FRIEDRICH Sicherheitswerkzeuge

	L	Ø mm		
FR492324	250	32	640	**1248.52**

FR499323

Cleste cu clichet pentru taiat cabluri, izolat la 1000V

- *Standard: IEC 60900:2004*



FRIEDRICH Sicherheitswerkzeuge

	L	Ø mm		
FR499323	250	32	800	**1487.66**

FR499507

Cleste cu clichet pentru taiat cabluri, izolat la 1000V

- *Standard: IEC 60900:2004*



FRIEDRICH Sicherheitswerkzeuge

	L	Ø mm		
FR499507	270	50	960	**2207.54**

FR499620

Cleste cu clichet pentru taiat cabluri, izolat la 1000V

- *Standard: IEC 60900:2004*
- *deschidere frontala, cutit ranforsat*
- *realizat din otel special,*
- *clestele se poate deschide in toate pozitiile.*



	L	Ø mm		
FR499620	410	62	2060	**9458.12**

FR509329

Cleste cu clichet pentru taiat cabluri, izolat la 1000V

- *Standard: IEC 60900:2004*



	L	Ø mm		
FR509329	400	55	1680	**3019.18**

4798 VDE

NOU

Set surubelnite izolate la 1000 V cu lame interschimbabile

- *pentru lucru sigur si eficient la tensiuni de pana la 1.000 V*
- *design de produs optimizat pentru aplicatii, materiale de inalta calitate, tolerante scazute, ergonomie excelenta si durata lunga de viata cu izolatie de protectie durabila*
- *blocare automata pentru a preveni indepartarea accidentala*
- *capac rotativ atasabil pentru lame interschimbabile*
- *sistemul automat de blocare previne extragerea accidentala*
- *izolat VDE până la 1000 V*
- *DIN EN 60900*

Componenta:

- *1x mâner din două componente*
- *1x capac rotativ atasabil*
- *lame cu profil lat: 2,5 x 0,4; 3,0 x 0,5; 3,5 x 0,6; 4,0 x 0,8; 5,5 x 1,0; 6,5 x 1,2 mm*
- *lame cu profil Phillips: PH1; PH2*
- *lame cu profil Pozidrive: PZ2*
- *lame cu profil TORX: T10; T15; T20*



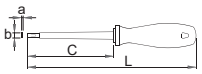
		mm		
SW96469511	14	229x134x54	814	**859.25**

603VDE

Surubelnita profil lat cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul EN 60900*





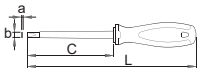
	a x b	C	L				
616470	0.4 x 2.5	75	160	33	4B	10	**18.36**
616471	0.5 x 3.0	100	185	37	4B	10	**20.33**
616472	0.6 x 3.5	100	185	39	4B	10	**21.31**
616473	0.8 x 4.0	100	185	43	4B	10	**23.61**
616474	1.0 x 5.5	125	225	75	4B	10	**29.34**
616475	1.2 x 6.5	150	260	113	4B	10	**34.75**
616476	1.2 x 8.0	175	295	163	4B	5	**38.85**
616477	1.6 x 10.0	200	320	115	4B	5	**50.66**

603VDETBI

Surubelnita profil lat cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul EN 60900*





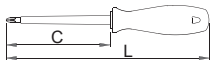
	a x b	C	L				
616436	0.4 x 2.5	75	160	33	4B	10	**26.39**
616437	0.5 x 3.0	100	185	37	4B	10	**27.05**
616438	0.6 x 3.5	100	185	39	4B	10	**30.16**
616439	0.8 x 4.0	100	185	43	4B	10	**31.31**
621247	1.0 x 4.5	125	225	75	4B	10	**39.84**
616440	1.0 x 5.5	125	225	75	4B	10	**39.84**
616441	1.2 x 6.5	150	260	113	4B	10	**47.87**
616442	1.2 x 8.0	175	295	163	4B	5	**53.93**
621248	1.6 x 10.0	200	320	115	4B	5	**72.30**

613VDE

Surubelnita profil Phillips cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*





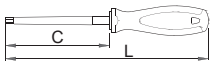
	+	C	L				
616478	PH0	60	145	34	4B	10	**19.51**
616479	PH1	80	165	60	4B	10	**23.28**
616480	PH2	100	200	94	4B	10	**30.49**
616481	PH3	150	260	104	4B	5	**41.64**

620VDETBI

Surubelnita profil hexagonal cu lama izolata la 10000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul EN 60900*





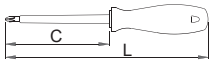
	⬢	C	L				
616448	2.5	75	160	34	4B	10	**46.89**
616449	3	75	175	37	4B	10	**51.97**
616450	4	75	175	68	4B	10	**57.70**
616451	5	75	185	93	4B	10	**69.34**
616452	6	100	210	128	4B	10	**80.33**
616453	8	100	210	203	4B	5	**110.00**

623VDE

Surubelnita profil Pozidrive cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *maner: polipropilena*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*





	+	C	L				
616482	PZ0	60	145	34	4B	10	**21.31**
616483	PZ1	80	165	60	4B	10	**25.08**
616484	PZ2	100	200	93	4B	10	**34.10**
616485	PZ3	150	260	156	4B	5	**43.44**

604VDETBI

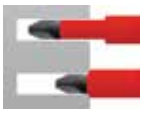
Surubelnita slim cu profil lat cu lama izolata la 1000 V

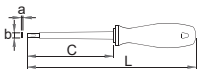
- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *model cu lama subtire*
- *desi are lama subtire, surubelnita poseda aceleasi functionalitati si confera aceeasi siguranta in lucru ca o surubelnita izolata standard.*
- *lama subtire ii permite lucrul in locuri greu accesibile*







UNIOR

	a x b	C	L				
624063	0,6 x 3,5	100	185	39	4B	10	**46.89**
624064	0,8 x 4,0	100	185	43	4B	10	**49.02**
624065	1,0 x 5,5	125	225	75	4B	10	**52.95**

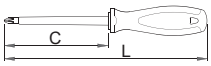


623VDETBI

Surubelnita profil Pozidrive cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900:2004*





UNIOR

		C	L				
616460	PZ0	60	145	34	4B	10	**27.21**
616461	PZ1	80	180	60	4B	10	**35.08**
616462	PZ2	100	210	93	4B	10	**47.05**
616463	PZ3	150	270	156	4B	5	**55.25**

611VDETBI

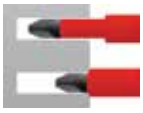
Surubelnita slim cu profil combinat lat / Phillips cu lama izolata la 1000 V

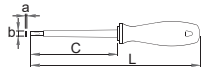
- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul EN 60900:*

Avantaje:

- *model cu lama subtire*
- *desi are lama subtire, surubelnita poseda aceleasi functionalitati si confera aceeasi siguranta in lucru ca o surubelnita izolata standard.*
- *lama subtire ii permite lucrul in locuri greu accesibile*







UNIOR

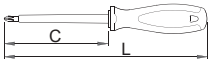
		C	L				
624071	SLPH 1	80	180	60	4B	10	**54.43**
624072	SLPH 2	100	210	94	4B	10	**56.23**

613VDETBI

Surubelnita profil Phillips cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*





UNIOR

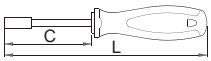
		C	L				
616443	PH0	60	145	34	4B	10	**26.39**
616444	PH1	80	180	60	4B	10	**34.10**
616445	PH2	100	210	94	4B	10	**41.80**
616446	PH3	150	270	104	4B	5	**54.75**
616447	PH4	200	320	230	4B	5	**67.70**

629VDETBI

Surubelnite cap tubular izolat la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul EN 60900:2004*
- *Fabricat conform standard DIN 3125*





UNIOR

		C	L				
616464	5.5	125	225	103	4B	10	**103.28**
616465	6	125	225	103	4B	10	**104.59**
616466	7	125	235	123	4B	5	**111.15**
616467	8	125	235	140	4B	5	**113.11**
623341	9	125	235	124	4B	5	**118.85**
616468	10	125	235	157	4B	5	**121.64**
623342	11	125	235	159	4B	5	**137.54**
616469	13	125	245	186	4B	5	**159.34**



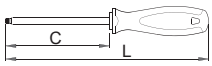


621VDETBI

Surubelnite profil TORX® cu lama izolata la 1000 V

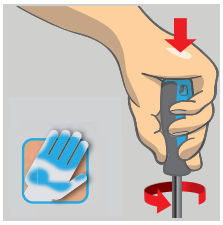
- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul EN 60900:2004*





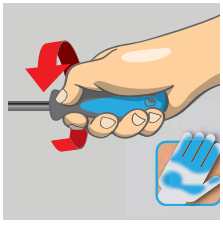
UNIOR

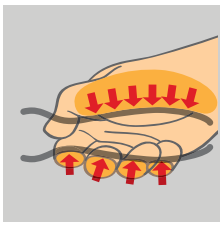
		C	L				
616454	TX 10	60	140	35	4B	10	**33.61**
616455	TX 15	80	180	37	4B	10	**36.89**
616456	TX 20	80	180	43	4B	10	**39.02**
616457	TX 25	80	180	63	4B	10	**47.54**
616458	TX 27	100	210	76	4B	10	**52.30**
616459	TX 30	100	210	98	4B	10	**61.80**





Suprafata maximala de contact a mainii = valoare de cuplu superioara





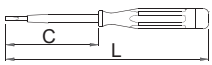
Conceptia ergonomica a manerului = protejarea mainii

630VDE

Surubelnita detectoare 220-250 V

- *dimensiune 140 cu agatatoare*





UNIOR

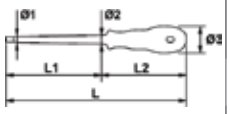
	a x b	C	L				
617659	0.5 x 3.0	60	140	13	4A	10	**13.93**
617660	0.6 x 3.5	90	180	24	4A	10	**18.85**

NOU

Surubelnite profil TORX® cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *conform DIN 7437*
- *cap rotitor*
- *in concordanta cu standardul EN 60900*





EGA Master ART IN INNOVATION

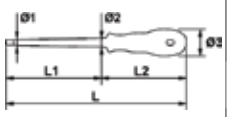
	A	Ø1	Ø2	Ø3	L1	L2	L	
76638	T-6	4,4	8	26	50	85	135	**71.39**
76639	T-7	4,4	8	26	50	85	135	**71.39**
76640	T-8	4,4	5	26	50	85	135	**71.39**
76641	T-9	4,4	5	26	75	85	160	**71.39**
76642	T-10	4,4	5	26	75	85	160	**71.39**
76643	T-15	5,8	8	34	75	105	180	**71.39**
76644	T-20	5,8	8	34	100	105	205	**81.50**
76645	T-25	6,4	8	34	100	105	205	**85.66**
76646	T-27	6,4	9,6	34	115	105	220	**86.70**
76647	T-30	7,4	9,6	36	125	115	240	**91.76**
76648	T-40	8,7	12,3	40	125	128	255	**111.47**
76649	T-45	9,4	12,3	40	150	128	280	**133.92**
76650	T-50	11,4	15	40	175	128	305	**144.41**

NOU

Surubelnite profil TORX® TEMPER cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *conform DIN 7437*
- *cap rotitor*
- *in concordanta cu standardul EN 60900*





EGA Master ART IN INNOVATION

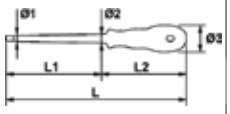
	A	Ø1	Ø2	Ø3	L1	L2	L	
75037	TT-6	4,4	8	26	50	85	135	**71.39**
75038	TT-7	4,4	8	26	50	85	135	**71.39**
75039	TT-8	4,4	5	26	50	85	135	**71.39**
75040	TT-9	4,4	5	26	75	85	160	**71.39**
75041	TT-10	4,4	5	26	75	85	160	**71.39**
75042	TT-15	5,8	8	34	75	105	180	**71.39**
75043	TT-20	5,8	8	34	100	105	205	**81.50**
75044	TT-25	6,4	8	34	100	105	205	**85.66**
75045	TT-27	6,4	9,6	34	115	105	220	**86.70**
75046	TT-30	7,4	9,6	36	125	115	240	**91.76**
75047	TT-40	8,7	12,3	40	125	128	255	**111.47**
75048	TT-45	9,4	12,3	40	150	128	280	**133.92**
75049	TT-50	11,4	15	40	175	128	305	**144.41**

NOU

Surubelnite profil hexagonal cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *conform DIN 7437*
- *cap rotitor*
- *in concordanta cu standardul EN 60900*





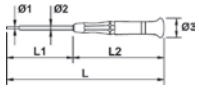
EGA Master ART IN INNOVATION

	⬢	Ø1	Ø2	Ø3	L1	L2	L	
74710	2,5	4,4	6	26	75	85	160	**68.56**
74711	3	4,4	6	26	75	85	160	**72.72**
74712	4	5,8	8	26	100	85	185	**83.43**
74713	5	6,4	8	34	100	105	205	**89.68**
74714	6	7,8	11,2	34	125	105	230	**101.50**
74715	8	9,8	13,4	40	150	130	280	**124.48**

Surubelnita profil lat cu lama izolata la 1000 V pentru electronisti

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *conform DIN 7437*
- *cap rotitor*
- *in concordanta cu standardul EN 60900*





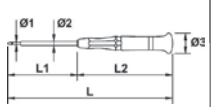
EGA Master ART IN INNOVATION

	A	B	Ø1	Ø2	L1	L2	L	Ø3	
75156	1.5	0.23	1.5	3.1	40	100	140	19	**45.51**
75157	1.8	0.3	1.8	3.4	60	100	160	19	**45.51**
75158	2.0	0.4	2.0	3.6	60	100	160	19	**45.51**
75159	2.5	0.4	2.5	4.1	75	100	175	19	**45.51**
75201	3.0	0.5	3.0	4.6	75	100	175	19	**45.51**

Surubelnita profil Phillips cu lama izolata la 1000 V pentru electronisti

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *conform DIN 7437*
- *cap rotitor*
- *in concordanta cu standardul EN 60900*





EGA Master ART IN INNOVATION

	+	Ø1	Ø2	L1	L2	L	Ø3	
75202	PH 00	2.5	4.1	75	100	175	19	**42.98**
75203	PH 0	3.0	4.6	75	100	175	19	**42.98**

NOU

Surubelnita port bit cu lama izolata la 1000 V

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *conform DIN 7437*
- *cap rotitor*
- *in concordanta cu standardul EN 60900*



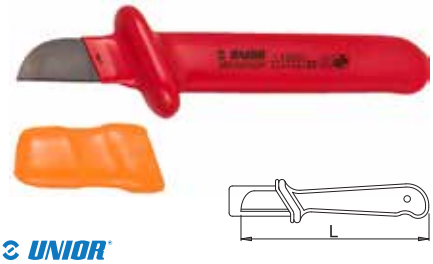
EGA Master ART IN INNOVATION

	⬡	L	
76737	1/4	210	298.63

385AVDE

Cutter izolat la 1000 V

- *lama din otel carbon aliat*
- *maner de plastic*
- *cu protectie a lamei*



UNIOR

	L				
619101	180	78	4B	10	110.98

385CVDEDP

Cutter izolat la 1000 V

- *lama din otel carbon aliat*
- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *acoperire prin brunare conform cu standardul DIN 12476*
- *cu protectie a lamei*
- *duritate lama de minim 55 HRc*
- *lama curbata, cu lungimea de 60 mm*
- *maner ergonomic, cu garda anti-alunecare*
- *maner cu suport deget pentru o buna transmisie a fortei*
- *materialul lamei de otel asigura o acuratete maxima si durabilitate la dezizolarea cablurilor*
- *lama protejată cu teaca din PVC*

Utilizare

- *pentru dezizolarea cablurilor acoperite cu izolatie PVC*



UNIOR

	L				
625610	220	180	4B	10	138.52

385VDE

Cutter izolat la 1000 V

- *lama din otel carbon aliat*
- *maner de plastic*
- *cu protectie a lamei*



UNIOR

	L				
615494	180	76	4B	10	107.87

FR143103

Cutter izolat la 1000 V

- *lama din otel inoxidabil*
- *turnat prin injectie*
- *cu pliere de protectie a lamei*
- *lame interschimbabile*



FRIEDRICH Sicherheitswerkzeuge

	L		
FR143103	185	70	120.16

750VDEDP

Rama bomfaier 300 mm izolata la 1000 V

- *in concordanta cu standardul SR EN 60900*

Avantaje:

- *dublu strat-doua culori distincte care asigura o protectie suplimentara.Cand al doilea strat devine vizibi se inlocuieste scula cu una noua*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



UNIOR

	L	L1				
619098	460	270	815	1E	1	606.23

FR440301

Rama bomfaier 300 mm izolata la 1000 V

- *in concordanta cu standardul SR EN 60900*

Avantaje:

- *dublu strat-doua culori distincte care asigura o protectie suplimentara.Cand al doilea strat devine vizibil se inlocuieste scula cu una noua*

Important

- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



FRIEDRICH Sicherheitswerkzeuge

	L	L1		
440301	460	270	710	441.64

753VDP

Rama bomfaier 150 mm izolata la 1000 V

- *lama interschimbabila*
- *in concordanta cu standardul SR EN 60900*

Avantaje:

- *dublu strat-doua culori distincte care asigura o protectie suplimentara.Cand al doilea strat devine vizibil se inlocuieste scula cu una noua*
- *daca al doilea strat devine vizibil inlocuiti scula VDE cu una noua*



UNIOR

	L				
615502	150	276	1E	1	353.44

67243

NOU

Topor cu coada din fibra



	L	A	B	C	D			
67243	190	310	110	80	29	2800	531.38	

1340VDEDP

Penseta cu varfuri drepte izolata la 1000 V

1000V IEC 60900

- *material otel inoxidabil*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*



UNIOR

	L				
616847	150	45	1E	1	149.18

1341VDEDP

Penseta cu varfuri indoite izolata la 1000 V

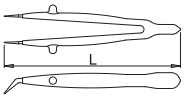
1000V IEC 60900

- *material otel inoxidabil*
- *in concordanta cu standardul EN 60900*

Avantaje:

- *dublu strat-dubla protectie, doua straturi de culori diferite*
- *100% control - fiecare piesa este testata*





UNIOR

	L				
616848	150	40	1E	1	149.18

73249 NOU

Clema de prindere

1000V IEC 60900

- *material plastic*



EGA Master ART IN INNOVATION

	L	mm				
73249	150	15	80	1E	10	114.96

37025 NOU

Ciocan izolat la 1000 V

1000V IEC 60900

- *material capete: plastic*



EGA Master ART IN INNOVATION

	L	mm				
37025	100	30	650	1E	10	1998.89

NOU

Manson plastic Slip-On izolat la 1000 V

- *material PVC*
- *in concordanta cu standardul EN 60900*

DIN VDE 0680/1



EGA Master ART IN INNOVATION

	L	Cap	Diam.			
73277	100	1 #	10	10	10	55.92
73278	100	2 #	10	10	10	55.92
73279	100	3 #	10	10	10	55.92

NOU

Manson plastic Slip-On izolat la 1000 V

- *material PVC*
- *in concordanta cu standardul EN 60900*

DIN VDE 0680/1



EGA Master ART IN INNOVATION

	L	Diam.			
73287	80	10	7	10	67.00

NOU

Manson plastic Slip-On izolat la 1000 V

- *material PVC*
- *in concordanta cu standardul EN 60900*

DIN VDE 0680/1



EGA Master ART IN INNOVATION

	L	Diam.			
73288	100	20	24	10	78.23

NOU

Manson plastic Slip-On izolat la 1000 V

- *material PVC*
- *in concordanta cu standardul EN 60900*

DIN VDE 0680/1



EGA Master ART IN INNOVATION

	L	Diam.			
73289	110	30	38	10	89.46

NOU

Manusi din cauciuc natural izolate

1000V IEC 60900

- *certificate conform ISO 9003*
- *grad ridicat de flexibilitate*
- *testate individual pe toata lungimea manusii*
- *conform EN-60 903*
- *360 mm ± 15 mm*



EGA Master ART IN INNOVATION

IEC-EN 60903

	Clasa	Voltaj testare (V)	Voltaj utilizare (V)	Marimea	L	Cat.	
73746	0	2.5	500	7	500	AZC	402.14
73539	0	2.5	500	8	500	AZC	402.14
73540	0	2.5	500	9	500	AZC	402.14
73541	0	2.5	500	10	500	AZC	402.14
73542	0	2.5	500	11	500	AZC	402.14
73748	0	5	1	7	1	AZC	459.47
73553	0	5	1	8	1	AZC	459.47
73554	0	5	1	9	1	AZC	459.47
73555	0	5	1	10	1	AZC	459.47
73556	0	5	1	11	1	AZC	459.47
73557	1	10	7.5	8	7.5	AZC	643.29
73558	1	10	7.5	9	7.5	AZC	643.29
73559	1	10	7.5	10	7.5	AZC	643.29
73560	1	10	7.5	11	7.5	AZC	643.29
73561	2	20	17	8	17	RC	689.25
73562	2	20	17	9	17	RC	689.25
73563	2	20	17	10	17	RC	689.25
73564	2	20	17	11	17	RC	689.25
73565	3	30	26.5	8	26.5	RC	976.50
73566	3	30	26.5	9	26.5	RC	976.50
73567	3	30	26.5	10	26.5	RC	976.50
73568	3	30	26.5	11	26.5	RC	976.50
73569	4	40	36	9	36	RC	1608.35
73570	4	40	36	10	36	RC	1608.35
73571	4	40	36	11	36	RC	1608.35

NOU

Cutie plastic pentru transport manusi



EGA Master ART IN INNOVATION

	mm			
58918	500x250x100	1100	1	857.23

FR414

Manusi din cauciuc natural izolate

1000V IEC 60903:2004

- *certificate conform ISO 9003*
- *grad ridicat de flexibilitate*
- *testate individual pe toata lungimea manusii*
- *conform EN-60 903*
- *360 mm ± 15 mm*



FRIEDRICH Sicherheitswerkzeuge

500V clasa 00

	Marime	
FR414098	9	436.56
FR414104	10	436.56

1000V clasa 0

	Marime	
FR415095	9	497.54
FR415101	10	497.54
FR415118	11	497.54

17kV clasa 1

	Marime	
FR417099	9	795.25
FR417105	10	795.25

NOU

Covor izolat IEC-EN 60243-1

1000V IEC 60900

1 Nu folosiți niciodată unelte sub tensiune dacă prezintă pori, fisuri, elemente încrustate sau dacă stratul izolator alb este vizibil.
2 Pardoselile izolante și încălțămintea de siguranță sunt recomandate pentru a lucra sub tensiune.
3 Evitați contactul cu apa în timp ce lucrați sub tensiune.
4 Nu atingeți niciodată direct niciun element care ar putea fi sub tensiune. Utilizați un tester de tensiune pentru a verifica mai întâi.



EGA Master ART IN INNOVATION

IEC-EN 60243-1

	Grosime	Dimensiuni	Rezistenta dielectrica (kV)		
73505	3	600x600	30	1,4	1121.43
73506	3	1000x600	30	2,3	1791.87
73507	3	5000x600	30	12	8959.94
73508	3	10000x600	30	23	17920.69
73514	3	1000x1200	30	4,7	3584.11
73515	3	2000x1200	30	9,5	7167.85
73516	3	5000x1200	30	23	17920.69
73517	3	10000x1200	30	47	37272.54
73518	4,5	1000x600	50	3,1	2397.24
73519	4,6	5000x600	50	15	11985.45
73520	4,7	10000x600	50	31	23971.05
73521	4,8	1000x1200	50	5,0	4794.25
73522	4,9	5000x1200	50	26	21288.34
73524	4,10	10000x1200	50	60	44754.70

NOU

Manusi din material compozit, izolate la 1000 V

1000V IEC 60900

- *certificate conform IEC-EN 60903*
- *grad ridicat de flexibilitate*
- *testate individual pe toata lungimea manusii*
- *conform EN-60 903*
- *360 mm ± 15 mm*



EGA Master ART IN INNOVATION

IEC-EN 60903

	Clasa	Voltaj testare (V)	Voltaj utilizare (V)	Marimea	L	Cat.	
79734	0	5	1	7	410	RC	847.27
79735	0	5	1	8	410	RC	847.27
79736	0	5	1	9	410	RC	847.27
79737	0	5	1	10	410	RC	847.27
79738	0	5	1	11	410	RC	847.27
79739	0	5	1	12	410	RC	847.27
79740	1	10	7.5	8	410	RC	998.66
79741	1	10	7.5	9	410	RC	998.66
79742	1	10	7.5	10	410	RC	998.66
79743	1	10	7.5	11	410	RC	998.66
79744	1	10	7.5	12	410	RC	998.66
79745	2	20	17	8	410	RC	1202.63
79746	2	20	17	9	410	RC	1202.63
79747	2	20	17	10	410	RC	1202.63
79748	2	20	17	11	410	RC	1202.63
79749	2	20	17	12	410	RC	1202.63
79750	3	30	26.5	8	410	RC	1516.21
79751	3	30	26.5	9	410	RC	1516.21
79752	3	30	26.5	10	410	RC	1516.21
79753	3	30	26.5	11	410	RC	1516.21
79754	3	30	26.5	12	410	RC	1516.21
79755	4	40	36	8	410	RC	2101.73
79756	4	40	36	9	410	RC	2101.73
79757	4	40	36	10	410	RC	2101.73
79758	4	40	36	11	410	RC	2101.73
79759	4	40	36	12	410	RC	2101.73

NOU

Tester pneumatic pentru manusi izolante

- *testerul pneumatic poate fi utilizat numai pentru mănușile de joasă tensiune (clasa 00 și clasa 0)*



EGA Master ART IN INNOVATION

73490	600	10	2793.36

NOU

Covor izolat IEC-EN 61111

1000V IEC 60900

1 Nu folosiți niciodată unelte sub tensiune dacă prezintă pori, fisuri, elemente încrustate sau dacă stratul izolator alb este vizibil.
2 Pardoselile izolante și încălțămintea de siguranță sunt recomandate pentru a lucra sub tensiune.
3 Evitați contactul cu apa în timp ce lucrați sub tensiune.
4 Nu atingeți niciodată direct niciun element care ar putea fi sub tensiune. Utilizați un tester de tensiune pentru a verifica mai întâi.



EGA Master ART IN INNOVATION

IEC-EN 61111

	Grosime	Dimensiuni	Rezistenta dielectrica (kV)		
79899	3,2	600x600	26,5	1,8	1906.31
79927	3,2	1000x600	26,5	3	3177.43
79944	3,2	5000x600	26,5	15	15886.34
79945	3,2	10000x600	26,5	30	31772.52
79948	3,2	1000x1200	26,5	6	6354.49
79949	3,2	2000x1200	26,5	12	12708.98
79958	3,2	5000x1200	26,5	30	31772.52
79959	3,2	10000x1200	26,5	60	63545.05
79970	5	1000x600	36	4,5	3937.40
79975	5	5000x600	36	23	19687.28
79976	5	10000x600	36	47	39374.49
79977	5	1000x1200	36	9,5	7875.02
79978	5	5000x1200	36	47	39374.49
79979	5	10000x1200	36	94	78748.75

NOU

Patura izolata IEC-EN 61112

1000V IEC 60900

1 Nu folosiți niciodată unelte sub tensiune dacă prezintă pori, fisuri, elemente încrustate sau dacă stratul izolator alb este vizibil.
2 Pardoselile izolante și încălțămintea de siguranță sunt recomandate pentru a lucra sub tensiune.
3 Evitați contactul cu apa în timp ce lucrați sub tensiune.
4 Nu atingeți niciodată direct niciun element care ar putea fi sub tensiune. Utilizați un tester de tensiune pentru a verifica mai întâi.



EGA Master ART IN INNOVATION

IEC-EN 61112

	Grosime	Dimensiuni	Rezistenta dielectrica (kV)		
79801	0,3	470x350	1	125	60.68
79799	0,3	600x460	1	150	90.94
79800	0,3	600x600	1	175	121.36
79802	0,3	1000x600	1	220	202.26
79803	0,3	1000x1200	1	295	404.45
79804	0,3	2000x1200	1	460	809.04
79805	0,3	5000x1200	1	900	2022.24
79806	0,3	10000x1200	1	1600	4044.40

603CS6AVT

Set de surubelnite izolate

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*



617653	6	457	1G	1	200.33

603VDETBI (0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125),
613VDETBI (PH1 x 80, PH2 x 100)

603CS6ATVT

Set de surubelnite izolate si tester de tensiune

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*



617654	6	430	1G	1	187.87

603VDETBI (0.5 x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), 613VDETBI (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140)

603CS6VDETBI

Set de surubelnite izolate

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*



617042	6	530	1G	1	221.31

603VDETBI (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150),
613VDETBI (PH1 x 80, PH2 x 100)

603CS6VDE

Set de surubelnite izolate

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *monomaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*



617044	6	485	1G	1	162.30

603VDE (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150),
613VDE (PH1 x 80, PH2 x 100)

603CS6TVDE

Set de surubelnite izolate si tester de tensiune

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *monomaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*



617045	6	460	1G	1	158.03

603VDE (0.8 x 4.0 x100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 613VDE (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140)

603CS6TVDETBI

Set de surubelnite izolate si tester de tensiune

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*



617043	6	505	1G	1	208.85

603VDETBI (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 613VDETBI (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140)

620CS6VDETBI

Set de surubelnite izolate profil hexagonal

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul 60900*



617048	2.5 - 8 / 6	580	1G	1	416.23

620VDETBI (2.5, 3, 4, 5, 6, 8)

621CS6VDETBI

Set de surubelnite izolate profil TORX®

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul 60900*



617049	TX 10 - TX 30 / 6	511	1G	1	271.15

621VDETBI (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30)

603CS6AVDE

Set de surubelnite izolate

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *monomaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*



617655	6	400	1G	1	147.87

603VDE (0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125),
613VDE (PH1 x 80, PH2 x 100)

603CS6ATVD

Set de surubelnite izolate si tester de tensiune

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *monomaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 8764-1,2 si 60900*



UNIOR

617656	6	390	1G	1	143.61

603VDE (0.5x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), 613VDE (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140)

FR251174

Trusa scule izolate la 1000 V ELAN-17

- *1 cleste combinat, 180 mm, nr. 106*
- *1 cleste cu tais lateral, 160 mm, nr. 206*
- *1 cleste de telefonie, 160 mm, nr. 606*
- *1 cleste de dezizolare, 160 mm, nr. 806*
- *1 cleste de sertizare, 0,5-2,5 mm2, nr. 655*
- *1 taietor de cablu, 160 mm, nr. 486*
- *3 surubelnite, 100/4 - 125 / 5,5 - 150 / 6,5 mm, nr. 207*
- *1 surubelnite PH 2, nr. 210*
- *1 tester de tensiune, 65/3 mm, nr. 220*
- *1 dalta de piatra, 250 x 23/13 mm*
- *1 dalta, 250 x 10 mm*
- *1 ciocan, 500 g*
- *1 spaclu, 50 mm*
- *1 castron cauciuc*
- *1 cheie universala*



FRIEDRICH Sicherheitswerkzeuge



	Dimensiune		
FR251174	330x190x280	17	3047.87

629CS6VDETBI

Set de surubelnite izolate cu cap tubular

- *lama: otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul 60900*



UNIOR

617050	5.5 - 13 / 6	865	1G	1	713.11

629VDETBI (5.5, 6, 7, 8, 10, 13)

905VDEBI

Trusa scule izolate la 1000 V in mapa textila



UNIOR

617571	13	1958	1T	1	1352.46

406/1VDEBI (180), 461/1VDEBI (160), 478/1VDEBI (160), 472/1VDEBI (160), 753VDEDP (150), 385VDE (180), 603VDETBI (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), 613VDETBI (PH1 x 80, PH2 x 100), 710P (3), 630VDE (0.5 x 3.0 x 140)

906VDEBI

Trusa scule izolate la 1000 V in mapa textila



UNIOR

617573	6	911	1T	1	511.31

461/1VDEBI (160), 406/1VDEBI (180), 603VDETBI (0.4 x 2.5 x 75, 0.8 x 4.0 x 100), 613VDETBI (PH2 x 100), 630VDE (0.5 x 3.0 x 140)

630VDE140ST

Stand testere de tensiune 220-250 V



UNIOR

623907	18	700	1G	1	313.28

630VDE 18 x (0.5 x 3.0 x 140)

964VDE1

Set de chei fixe simple izolate la 1000 V in modul SOS

- *material suport: spuma de polietilena de joasa densitate*



UNIOR

621782	6 - 24 / 15	2500	1F	1	1356.89

110/2VDEDP (6, 7, 8, 10, 12, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24), VL964VDE1 (374 x 364 x 30)

VL964VDE1

Modul SOS pentru 964VDE1

- *material suport: spuma de polietilena de joasa densitate*

UNIOR

	B	L	H				
621781	374	364	30	112	1V	1	111.37

964VDE2

Set de chei inelare izolate la 1000 V in modul SOS

• *material suport: spuma de polietilena de joasa densitate*



621784	10 - 24 / 11	2600	1F	1	1108.69

180/2VDEDP (10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24), **VL964VDE2** (374 x 364 x 30)

VL964VDE2

Modul SOS pentru 964VDE2

• *material suport: spuma de polietilena de joasa densitate*



	B	L	H				
621783	374	364	30	112	1V	1	111.37

964VDE3

Set clesti izolati la 1000 V in modul SOS

• *material suport: spuma de polietilena de joasa densitate*



621786	12	3200	1F	1	1934.92

406/1VDEDP (180), **420/1VDEDP** (180), **447/1VDEDP** (240), **461/1VDEDP** (160), **466/1VDEDP** (180), **472/1VDEDP** (160), **476/1VDEDP** (160), **478/1VDEDP** (160), **506/1VDEDP** (160), **508/1VDEDP** (170), **512/1VDEDP** (170), **580/1VDEDP** (170), **VL964VDE3** (564 x 364 x 30)

VL964VDE3

Modul SOS pentru 964VDE3

• *material suport: spuma de polietilena de joasa densitate*

	B	L	H				
621785	564	364	30	168	1V	1	178.33

964VDE5

Set de capete chei tubulare izolate la 1000 V in modul SOS

• *material suport: spuma de polietilena de joasa densitate*



621790	8 - 32 / 18	2200	1F	1	1532.46

190/2VDEDP (8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), **VL964VDE5** (188 x 364 x 30)

VL964VDE5

Modul SOS pentru 964VDE5

• *material suport: spuma de polietilena de joasa densitate*



	B	L	H				
621789	188	364	30	56	1V	1	58.01

964VDE7

Set de chei locas hexagonal izolate la 1000 V in modul SOS

• *material suport: spuma de polietilena de joasa densitate*



621798	3 - 12 / 7	1000	1F	1	492.30

220/3LVDEDP (3, 4, 5, 6, 8, 10, 12), **VL964VDE7** (188 x 364 x 30)

VL964VDE7

Modul SOS pentru 964VDE7

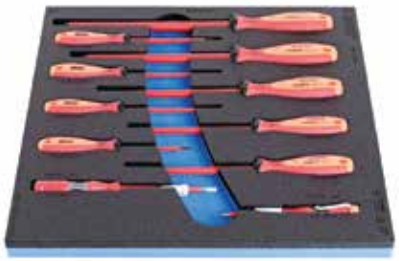
• *material suport: spuma de polietilena de joasa densitate*

	B	L	H				
621797	188	364	30	56	1V	1	58.01

964VDE8A

Set surubelnite cu profil lat izolate la 1000 V in modul SOS

• *material suport: spuma de polietilena de joasa densitate*



621800	11	1300	1F	1	481.97

603VDETBI (0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.6 x 3.5 x 100, 0.8 x 4.0 x 100, 1.0 x 4.5 x 125, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175, 1.6 x 10.0 x 200), **630VDE** (0.5 x 3.0 x 140, 0.6 x 3.5 x 180), **VL964VDE8A** (374 x 364 x 30)

VL964VDE8B

Modul SOS pentru 964VDE8B

• *material suport: spuma de polietilena de joasa densitate*

	B	L	H				
621801	188	364	30	56	1V	1	58.01

964VDE8B

Set de surubelnite cruce izolate la 1000 V in modul SOS

• *material suport: spuma de polietilena de joasa densitate*



621802	8	900	1F	1	373.11

613VDETBI (PH0 x 60, PH1 x 80, PH2 x 100, PH3 x 150), **623VDETBI** (PZ0 x 60, PZ1 x 80, PZ2 x 100, PZ3 x 150), **VL964VDE8B** (188 x 364 x 30)

964/15SOS

Set de scule VDE BI in modul SOS



UNIOR

621070	9	1140	1F	1	621.97

406/1VDEBI (180), 461/1VDEBI (160), 478/1VDEBI (160), 603VDETBI (0.4 x 2.5 x 75, 0.6 x 3.5 x 100, 1.0x5.5x125), 613VDETBI (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140), vl964/15SOS (188 x 364 x 30)

VL964VDE8A

Modul SOS pentru 964VDE8A

• *material suport: spuma de polietilena de joasa densitate*

UNIOR

	B	L	H				
621799	374	364	30	112	1V	1	111.37

1018A

Set 42 scule izolate la 1000 V PREMIUM in geanta textila

• *dimensiuni geanta: L460 x W270 x H400 mm*

1000V IEC 60900



UNIOR

628819	42	13800	1F	1	5932.62

406/1VDEBI (180), 466/1VDEBI (180), 478/1VDEBI (160), 514/1BI (160), 467SHARK/4DP (250), 110/2VDEDP (10, 13, 14, 17, 19, 22), 180/2VDEDP (10, 13, 14, 17, 19, 22), 447/1VDEBI (240), 580/1VDEBI (170), 603VDETBI (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 613VDETBI (PH1 x 80, PH2 x 100), 630VDE (0.6 x 3.5 x 180), 190.1AVDEDP (1/2"), 190.4/2VDEDP (1/2" x 250, 1 /2" x 125), 190.5/2VDEDP (250), 190/2VDEDP (10, 11, 12, 13, 14, 17, 19, 22, 24), 385AVDEDP (180), 385H (4 - 28), 1113 (460x270x400 mm)

1000 ak5

Trusa profesionala de scule pentru electricieni in geanta



UNIOR

612674	40	20000	1K	1	2964.59

120/1 (10, 13, 17), 380 (0.2 - 6.0), 385H (4 - 28), 420/1VDEBI (180), 425/4AB (240), 447/1VDEBI (240), 461/1VDEBI (160), 472/1VDEBI (160), 476/1VDEBI (160), 478/1VDEBI (160), 506/1VDEBI (160), 508/1VDEBI (170), 512/1VDEBI (200), 580/1VDEBI (170), 582/3P (150), 583/6 (195), 603VDEBI (0.8 x 4.0 x 100, 0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175), 613VDEBI (PH 0 x 60, PH 1 x 80, PH 2 x 100, PH 3 x 150), 623VDEBI (PZ 1 x 80, PZ 2 x 100), 629CR (6, 8, 10, 13), 630VDE, 665/6A (10 x 250, 8 x 250), 710P (3, 5), 812 (500), 909 (420 x 320 x 140),

1000 ak7

Trusa profesionala de scule 19 piese pentru electricieni in geanta



UNIOR

612780	19	20000	1K	1	1876.39

110/2VDEDP (10, 13, 17), 406/1VDEBI (180), 425/4AB (240), 447/1VDEBI (240), 461/1VDEBI (160), 476/1VDEBI (160), 478/1VDEBI (160), 506/1VDEBI (160), 603VDEBI (0.6 x 3.5 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 613VDEBI (PH 0 x 60, PH 1 x 80, PH 3 x 150), 630VDE, 665/6A (8 x 250), 812 (300), 909/1 (350 x 300 x 110),

971/2VDE

Trusa scule 53 piese in geanta ABS



UNIOR

608541	53	15800	1F	1	4973.77

1000T , 969S (485 x 380 x 175) , 969.5S

971/3DE

Trusa scule 62 piese in geanta ABS



UNIOR

612548	62	10969	1F	1	4567.70

1000AD , 969S (485 x 380 x 175) , 969.5S

971/4

Trusa scule 21 piese in geanta ABS



UNIOR

604575	21	8969	1F	1	2940.89

1000AC , 969S (485 x 380 x 175) , 969.5S

X Key

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• cheie universală cu mecanism de glisare
• profil triunghiular interior 7-9 mm, 11 mm
• patrat interior 6-7 mm, 8-9 mm
• patrat exterior 7 + 8 mm
• profil tubular tesit "peste" 3-5 mm
• portbit

8 - 9 mm
5 -10 mm
3 - 5 mm
7 - 11 mm
Phillips PH2
7 mm
6 - 7 mm
Portbit



ABSINA

	L		
AB-1001	95 x 95 x 13	136	113.11

SI - Key Bau

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• patrat interior 6-7 mm, 8-9 mm
• patrat exterior 5-10 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 7-9 mm, 11 mm
• lant



8 - 9 mm 5 -10 mm 3 - 5 mm 7 - 9 si 11 mm 6 - 7 mm

ABSINA

	L		
AB-1004	95 x 95 x 13	136	80.00

SI - Key Bau X Plus

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• patrat interior 6-7 mm, 8-9 mm
• patrat exterior 5-10 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 7-9 mm, 11 mm
• lant
• bit cu doua capete
• include SI-PLUS cu 2 functii
• profil semiluna
• patrat interior 5 mm



8 - 9 mm 5 -10 mm 3 - 5 mm 7 - 11 mm 7 mm Phillips PH2
6 - 7 mm Portbit Semiluna

ABSINA

	L		
AB-1006	65 x 65 x 17	141	108.69

SI - XKEY

Cheie universala pentru panouri

• cheie universală cu mecanism de glisare
• patrat interior 6-7 mm, 8-9 mm
• patrat exterior 7 + 8 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 7-9 mm, 11 mm
• bit cu doua capete
• include SI-PLUS cu 2 functii
• profil semiluna
• patrat interior 5 mm



8 - 9 mm 5 -10 mm 3 - 5 mm 7 - 11 mm 7 mm Phillips PH2
6 - 7 mm Portbit Semiluna

ABSINA

	L		
AB-1002	65 x 65 x 17	141	122.79

SI - Key Bau Plus

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• patrat interior 6-7 mm, 8-9 mm
• patrat exterior 5-10 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 7-9 mm, 11 mm
• bit cu doua capete
• lant

8 - 9 mm
5 -10 mm
3 - 5 mm
7 - 9 si 11 mm
Phillips PH2
7 mm
6 - 7 mm



ABSINA

	L		
AB-1005	65 x 65 x 17	141	88.36

SI - Key Elektro

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• patrat interior 6-7 mm, 8-9 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 7-9 mm, 11 mm
• lant



8 - 9 mm 3 - 5 mm 7 - 11 mm 6 - 7 mm Portbit Semiluna

ABSINA

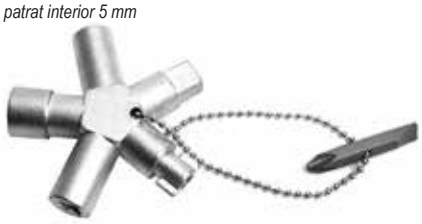
	L		
AB-1007	65 x 65 x 17	141	80.00



SI - Key Elektro Plus

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• patrat interior 6-7 mm, 8-9 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 7-9 mm, 11 mm
• lant
• bit cu doua capete
• include SI-PLUS cu 2 functii
• profil semiluna
• patrat interior 5 mm



8 - 9 mm | Semiluna | 3 - 5 mm | 7 - 11 mm | 7 mm | Phillips PH2
6 - 7 mm | Portbit

ABSINA

	L		
AB-1008	65 x 65 x 17	141	88.36

SI - Key DB Norm XPlus

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• patrat interior 6-7 mm, 8-9 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 7-9 mm, 11 mm
• lant
• bit cu doua capete
• profil DB Norm
• include SI-PLUS cu 2 functii
• profil semiluna
• patrat interior 5 mm



8 - 9 mm | Semiluna | 3 - 5 mm | 7 - 11 mm | 7 mm | Phillips PH2
6 - 7 mm | Portbit | DB Norm | 5 mm

ABSINA

	L		
AB-1011	65 x 65 x 17	141	108.69



SI - Key DB Norm

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• patrat interior 6-7 mm, 8-9 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 7-9 mm, 11 mm
• lant
• profil DB Norm



8 - 9 mm | 6 - 7 mm | 3 - 5 mm | 7 - 11 mm | DB Norm | Portbit

ABSINA

	L		
AB-1009	65 x 65 x 17	141	80.00

SI - Key DB Norm Plus

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• patrat interior 6-7 mm, 8-9 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 7-9 mm, 11 mm
• lant
• bit cu doua capete
• profil DB Norm



8 - 9 mm | 6 - 7 mm | 3 - 5 mm | 7 - 11 mm | 7 mm | Phillips PH2
DB Norm | Portbit

ABSINA

	L		
AB-1010	65 x 65 x 17	141	88.36

500005

Cheie universala pentru panouri

• aplicatii: inginerie electrica, instalatii de incalzire, climatizare si ventilare, industrie, constructii (ex. tablouri de comanda, sisteme de blocare, instalatii tehnice pentru evacuarea aerului)
• patrat interior 6-7 mm, 8-9 mm
• profil tubular tesit "peste" 3-5 mm
• profil triunghiular interior 9 mm
• lant
• bit cu doua capete
• patrat interior 5 mm



8 - 9 mm | 6 - 7 mm | 3 - 5 mm | 9 mm | 5 mm

FRIEDRICH Sicherheitswerkzeuge

	L		
500005	70	68	147.21

ABSINA dezvolta si face proiectarea produselor in Germania si le produce pe piata mondiala. Oferim produse inovatoare pentru uz profesional si industrial si pentru conexiuni cu surub. Simplificarea aplicatiilor, dezvoltarea si fabricarea instrumentelor de cea mai buna calitate, precum si vanzarile la nivel mondial a produselor noastre este scopul nostru, obiectivul si tinta. Pentru noi, siguranta si calitatea sunt primordiale. Avem multi ani de experienta in dezvoltarea, producerea si vanzarea sculelor de mana si surubelnite. Noi garantam siguranta produsului prin controlulul strict al calitatii. Prin disponibilitatea si seriozitatea noastra, ne puteti considera un partener de incredere. In ceea ce facem, mentalitatea noastra se concentreaza in mod deosebit pe protejarea mediului.

Scule electroizolante





Peste tot in lume, programul UNIOR este asociat cu atributele de siguranta, calitate si functionalitate a sculelor de mana.

Prin ce se remarca programul UNIOR de fabricatie a sculele de mana electroizolante, utilizate pentru lucrari sub tensiune pana la 1000V, in curent alternativ si 1500V, in curent continuu ?

- Domeniul este strict reglementat de standardul european EN 60900: 2012.
- toate sculele de mana electroizolante UNIOR sunt certificate de catre prestigiosul Institut de Testare si Certificare VDE (Verband Deutscher Elektrotechniker), Offenbach, Germania, motiv pentru care in mod uzual aceste scule sunt denumite si scule VDE.

- datorita izolatiilor care nu conduc electricitatea, sculele VDE UNIOR se numara printre cele mai sigure scule pentru lucrul sub tensiune. Realizate in conformitate cu standardul EN 60900:2012, fiecare scula este testata individual, asigurand o rata de protectie de 100%. Fiecare scula este izolata individual, numai partile cromate de actionare ramanand neizolate. Materialul este otel de compozitie speciala (crom vanadiu 31 CrV3), calit si revenit, tratat integral, partile taietoare fiind tratate suplimentar prin inductie (minim 60 HRC); manerele sunt din plastic pentru conditii grele.

- Toate sculele VDE UNIOR sunt testate bucata cu bucata la urmatoarele incercari de tip:
- Incercarea de nepropagare a flacarii: Flacara este aplicata pe piesa timp de 10 secunde. Incercarea se considera corespunzatoare daca inaltimea urmei flacarii pe scula nu a depasit 120 mm intr-o perioada de 20 secunde de la indepartarea flacarii.
- Test de izolatie: Inainte de testarea piesei aceasta este incalzita la 70° ± 2° C pentru 168 de ore. Manerul se incarca cu greutati (F=500 N), cheile si capetele chei tubulare se incarca cu greutati (F=100N). Durata testului este de 3 min dupa care piesa este detasata din dispozitiv. Testul este considerat acceptat daca izolatia ramane ferm prinsa de maner.
- Incercari dielectrice: Inainte de testare scula este imersata intr-o baie de apa la temperatura camerei (23° C) timp de 24 de ore (± 5 ore). Piesa este considerata conforma daca dupa aplicarea unei tensiuni de 10 KV timp de 3 minute nu prezinta nicio strapungere, amorsare sau conturnare.
- Incercarea de penetrare: Izolatia piesei este supusa unei forte de 20 N si o tensiune de 10 KV aplicate pe mijlocul manerului. Piesa este considerata conforma daca nu prezinta nicio strapungere, amorsare sau conturnare.
- Incercarea la impact: Se efectueaza doua teste: Primul test se realizeaza la temperatura ambianta 25° ± 3° C (scula se aseaza intr-o camera rece timp de 2 ore) si se aseaza timp de 120 de secunde dupa ce a fost scoasa din camera. Ciocanul va cadea liber in trei locuri diferite ale izolatiei. Piesa este considerata conforma daca manerul nu prezinta fisuri, rupturi sau urme de exfoliere. Testul poate fi comparat cu o cadere a sculei de la o inaltime de 0.6 m la o temperatura de 25° si o cadere de la o inaltime de 2 m la temperatura camerei.

• fabricatia sculelor VDE UNIOR respecta toate standardele/normele DIN care reglementeaza sculele obisnuite, ceea ce le asigura un plus fata de branduri similare.

- Cheile fixe simple sunt tratate termic in conformitate cu cerintele standardului (ISO 1711-1, DIN 899), duritatea este corespunzatoare cu cerintele pentru moment de torsiune (ISO 1711-1, DIN 899), deschiderea cheilor conforma cu ISO 691 (DIN 475).
- Productia clestilor VDE UNIOR are la baza un control permanent al calitatii. In fiecare etapa de productie clestii sunt controlati bucata cu bucata pentru a preveni eventualele probleme si a mari siguranta acestora in timpul exploatarii.
- Forjarea capetelor de chei tubulare, prelungitoarele cu patrat de antrenare, antrenorul cotit, falcile clestilor, s.a., in varianta VDE este singurul procedeu tehnic acceptat la UNIOR.

• Preocuparile de a extinde imbunatatirea performantelor sculelor obisnuite si la sculele electroizolante se regaseste din plin la sculele VDE UNIOR:

- clestii reglabili VDE asigura obtinerea unui moment de strangere maxim in timpul lucrului cu un minim de efort. Cu sistemul special de pinten de protectie pentru mana se evita strivirea degetelor in timpul manevrarii. Falcile reglabile in 7 pozitii permitand ajustarea falcilor pentru diverse tipuri de lucrari cu aceeasi scula.
- Cheia inelara cotita VDE se fabrica folosind avantajul profilului „LIFE" - presiunea nu are un efect direct pe varful piulitei, nu deterioreaza suruburile si piulitele. Cu acest profil, suprafata de contact dintre cheie si piulita este mai mare, si, prin urmare, forta este plasata echidistant. Un mare avantaj este durata utila de viata a cheii si capacitatea cheii de a desuruba piulite si suruburi deformate.

• Sculele VDE au doua straturi de izolatie: primul strat, interior, ofera izolatia electrica, iar cel de-al doilea, exterior, asigura protectia mecanica pentru izolatia electrica. In acest mod, sculele izolate la 1000 V previn accidentele si socurile electrice in zona de lucru. Dublul strat de protectie al sculelor VDE asigura dubla protectie, se poate usor recunoaste uzura la timpul potrivit. Cand scula este uzata, stratul portocaliu devine vizibil, aceasta este avertizarea de schimbare imediata a sculei.

• Brandul UNIOR se mai distinge prin Linia VDE BI caracterizata prin maner bi-material si marcaj UNIOR prin injectare.Manerul din doua componente este destinat lucrarilor in conditii grele si se adapteaza perfect in mana utilizatorului. Forma ergonomica a manerului este proiectata pentru a asigura un moment maxim de actionare si o inalta fiabilitate a antrenorului cu clichet, permitand actionarea cu o singura mana.

Inainte de utilizare este obligatoriu de verificat corectitudinea marcajelor corespunzatoare sculelor VDE. Numai sculele ce prezinta marcate toate simbolurile prevazute de standardul european EN 60900: 2012 sunt scule izolate de incredere: simbol pentru scule pentru lucrul pana la 1000 V; simbol al institutului ce a certificat scula; simbol care indica concordanta cu simbolul standard (DIN) care certifica indeplinirea cerintelor de baza pentru scula (dimensiune, duritate,teste, mecanice etc.).

In concluzie, sculele VDE UNIOR asigura o maxima protectie la lucrul in zone cu circuite sub tensiune pana la 1000 V. In afara de protectie, sculele ofera calitate, simplitate, siguranta, confort si reduc riscurile in timpul utilizarii. Datorita caracterului universal, design-ului ergonomic si fiabilitatii sculelor VDE UNIOR, acestea reusesc sa satisfaca nevoile si dorintele clientului. Cu moderna tehnologie de creare a unei scule prietenoase, munca se face cu un efort redus si devine mai usoara si mai productiva. Sculele VDE UNIOR se adreseaza atat profesionistilor cat si utilizatorilor casnici.





SCULE PENTRU LUCRU LA INALTIME

TRADITIE INDELUNGATA > EXPERTIZA > SOLUTII TEHNOLOGICE MODERNE > PRODUSE DE INALTA CALITATE

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.

SCULE PENTRU LUCRU LA INALTIME SUNT UNELTE STANDARD CU PUNCTE DE PRINDERE. MASURILE DE SECURITE CRESC SEMNIFICATIV SIGURANTA LA LOCUL DE MUNCA

100 de ani de experienta ne-au invtaat ca nu fiecare scule este potrivita pentru fiecare loc de munca. Acest lucru este valabil mai ales la lucru la inaltime, cum ar fi lucrarile la structuri inalte, linii electrice, industria nucleara, industria petrochimica si pe platformele petroliere. Uneltele utilizare la inaltimi pot fi periculoase atat pentru lucratori, cat si pentru echipamente si pot duce la costuri financiare majore. Prin urmare, am modificat instrumentele noastre standard, astfel incat acestea sa fie potrivite pentru lucrul la inaltime.

UNIOR®

REDU RISCUL, ALEGE UNEALTA CORECTA

Instrumentele in cădere pot fi extrem de periculoase, deoarece căderea le crește forța de impact. Forța de impact poate fi de până la **o sută de ori greutatea sculei.**

.

Instrumentele in cadere pot ateriza pe oricine și pot avea consecințe extrem de negative pentru compania care desfășoară lucrările, precum și pentru compania pentru care se lucrează. În plus, pe lângă accidente, instrumentele care cad pot fi deteriorate la impact. Când un instrument este distrus, muncitorul trebuie să coboare de la înălțime pentru a înlocui scula, care necesită foarte mult timp.

Dacă un instrument cade, munca poate continua doar după ce v-ați asigurat că impactul nu a afectat funcționarea instrumentului și nu există deteriorarea corzilor, carabinierelor, inelelor de fixare sau a centurii de lucru sau orice deteriorare a punctului în care atașamentul este fixat sau ancorat.

CENTURA DE LUCRU

Sculele UNIOR pentru lucru la înălțime sunt proiectate pentru a fi utilizate cu o centură de lucru testată cu **inele de fixare** incorporate in sculă. Centura este deschisă și atașată cu o clemă care necesită o prindere în trei puncte, care împiedică eliberarea nedorită.

VALOARE ADĂUGATĂ SEMNATA UNIOR

La dezvoltarea instrumentelor sale de lucru la înălțime, Unior s-a consultat cu numeroși profesioniști și companii care lucrează în domeniul siguranței uneltelor și siguranței muncii. Toate instrumentele au fost proiectate pentru a lucra la înălțime și protejate împotriva căderilor si au fost testate în funcție de tip. La fabricarea și testarea instrumentelor, s-au folosit soluții de proiectare care asigură cel mai înalt nivel posibil de siguranță.

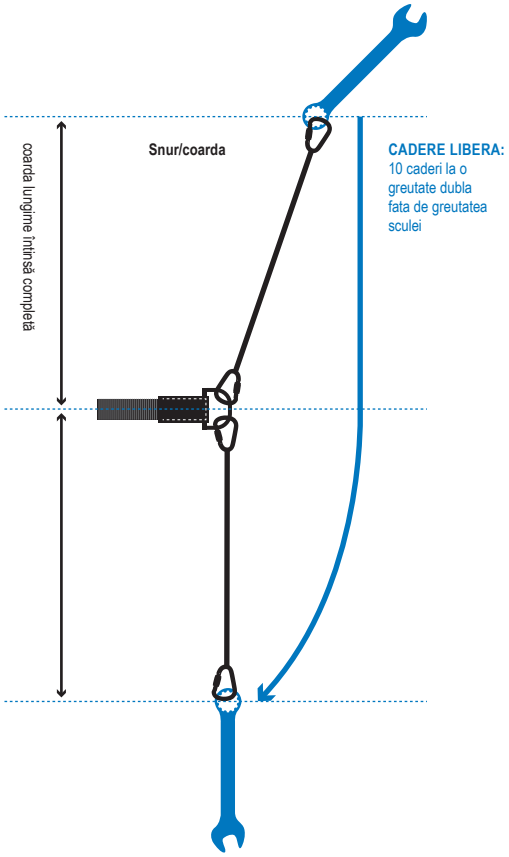
Testele statice și dinamice sunt efectuate pe tipurile de instrumente în funcție de caracteristicile sarcinilor posibile. Fiecare unealtă și inelul său de atașare sunt testate la un factor de încărcare care este de două ori mai mare decât încărcarea instrumentului, ceea ce înseamnă că instrumentul poate rezista la o încărcare de două ori mai mare decât greutatea fiecărei unelte.

Metoda de testare statica

Instrumentul este fixat pe o structură. Atasamentul și inelul sunt încărcate pentru o anumită perioadă de timp la o sarcină dată.

Metoda de testare dinamica

După testarea statică, atașamentul, inelul și instrumentul sunt supuse unor sarcini dinamice care apar în căderi la diferite greutăți.



TIPURI DE ATASAMENTE PENTRU SCULE DESTINATE LUCRULUI LA INALTIME

Dacă mai multe instrumente sunt atașate la un singur atașament, trebuie luată în considerare greutatea totală a tuturor pieselor.

1



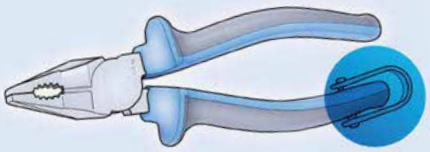
Atasament rotativ
previne răsucirea snurului și a altor dispozitive de fixare.

2



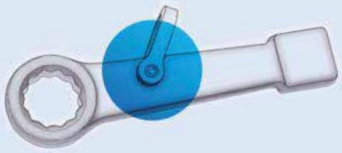
Inelul metalic nituit, nedemontabil, care alunecă **de-a lungul instrumentului,** permite utilizarea ambelor capete ale sculei.

3



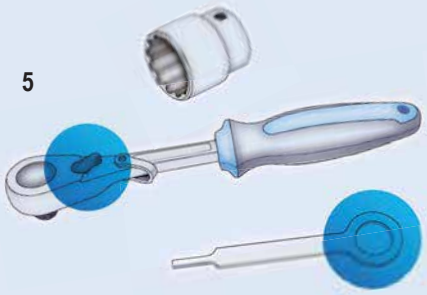
Atașarea prin partea metalică a sculei nu doar prin mânerul din PVC, care este lipit de sculă, ci cu un inel din metal nituit, nedemontabil; acest lucru oferă o asigurare suplimentară că carcasa nu se va detașa în condiții extreme.

4



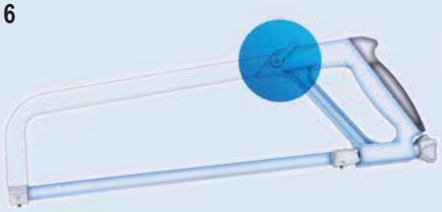
Punct de atasare fix
Inelul metalic nituit, nedemontabil, atașat prin partea metalică a sculei, oferă o siguranță suplimentară pentru sculele grele.

5



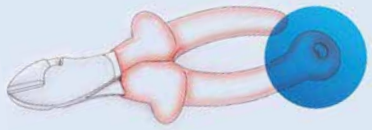
Chei cu soclu de siguranță
clichetul sau mânerul în T este echipat cu un inel metalic nituit, care este fixat prin partea metalică a sculei. *Legătura dintre cheie și accesorii este asigurată nu cu un rulment cu bile, ci cu un știft care nu poate fi îndepărtat fără o unealtă specială și nu poate fi eliberat fara intentie; soclurile sunt comutate într-o zonă sigură folosind un instrument special.*

6



Fierastraiele de siguranță
fierăstrău de scule specific pentru siguranță pentru lucrul la înălțimi, util pentru numeroase aplicații atunci când lucrați la înălțime, cu un inel metalic nituit, nedemontabil, care este atașat prin partea metalică a sculei. *Lama de fierăstrău nu este securizată, ceea ce în teorie nu constituie un pericol major, deoarece greutatea sa este scăzută, iar forma sa nu îi permite să atingă viteze mari în timpul unei căderi.*

7



VDE
punctul de atasare al sculei este realizat în conformitate cu cerințele standardului VDE, care permite o muncă sigură la înaltă tensiune. Este interzisă utilizarea carabinierelor metalice și a balamalelor cu inele metalice pe capătul de fixare a sculei.

Greutatea sculelor
Datele privind greutatea instrumentului permit muncitorilor să calculeze cât de multă sarcină poate fi plasată pe elementele de atașare și pe ei înșiși.

Trasabilitatea in productie
Aceste marcaje permit Unior să determine când a fost făcută scula, numărul lotului și ce controale de calitate au fost efectuate.



RECOMANDARI PENTRU LUCRUL LA INALTIME

Lucrătorii trebuie să fie calificați pentru a lucra la înălțime, cu respectarea legilor din fiecare țară și a tipului de muncă care urmează să fie efectuat.

Analiza de risc

Înainte de începerea lucrărilor, trebuie efectuată o **analiză a riscurilor.** Rezultatele analizei riscurilor trebuie luate în considerare la pregătirea terenului și a echipamentelor.

Echipament de protectie

Lucrătorii trebuie să își asigure **siguranța personală înainte de începerea lucrului.** Toate uneltele și toate echipamentele necesare pentru asigurarea adecvată a tuturor instrumentelor destinate a fi utilizate la un moment dat când se lucrează la înălțime trebuie să fie pregătite în prealabil.

Intretinerea echipamentelor

Lucrătorii trebuie să se familiarizeze cu **instrucțiunile de lucru si instrucțiunile de întreținere** a echipamentului înainte de începerea lucrărilor. Instrumentele trebuie inspectate pentru a se asigura că nu există deteriorarea uneltelor sau elementelor de atașare care rezultă din transport sau folosire anterioară. Instrumentele și echipamentele deteriorate nu pot fi utilizate atunci când lucrați la înălțime.

Greutatea maxima a sculelor

Greutatea maximă a unui instrument individual pentru lucrul la înălțimi pe care un lucrător îl poate atașa la centură este de **2,3 kilograme**. Se recomandă ca greutatea totală a instrumentelor atașate să nu depășească 10 la sută din greutatea corporală a lucrătorului.

Incurcarea corzilor

Greutatea maximă a unui instrument individual pentru a lucra la înălțimi pe care **atașamentele instrumentului nu trebuie să se încurce**. Dacă atașamentele se încurcă, lucrătorul trebuie să coboare într-un loc sigur și să aranjeze instrumentele corect.

Deteriorarea echipamentului individual de protecție

Muncitorii trebuie să se asigure că instrumentele pentru lucrul la înălțime **nu le deteriorează echipamentul personal de protecție.**

ALEGE SIGURANTA SI CALITATE

Pentru a vă asigura propria siguranță, alegeți instrumente Unior de înaltă calitate, testate și sigure pentru lucrul la înălțime. Gama Unior include peste 200 de instrumente și accesorii diferite.

SCOPUL UTILIZARII

Nu doar că nu vă pierdeți instrumentele.
Primul lucru de făcut dacă un instrument cade de la înălțime este de a **preveni rănirea altor persoane**, prin urmare, trebuie să vă asigurați că nu există persoane care se află în raza de atașament folosită pentru a asigura instrumentul pentru lucrul la înălțime.

Cum se măsoară gama de atașamente de scule:

Un instrument in cădere se poate balansa pe o rază de până la 1,9 metri de punctul de fixare.

Comutarea cheilor și accesoriilor pentru capete tubulare este permisă numai în zonele sigure în care nu există riscul căderii uneltelor. **Atenție atunci când fixați fierăstrău!** Pânza de ferăstrău nu este fixată și nici partea tăiată a piesei sau piulițele care sunt fixate cu chei. **Căștile și toate celelalte echipamente de protecție personală trebuie să fie asigurate** împotriva căderilor.Lucrătorii sunt responsabili de asigurarea propriilor lor echipamente de protectie. Acestea pot utiliza orice dispozitiv de atașare Unior. Înainte de a începe lucrul, trebuie să se asigure că atașarea cască sau orice alt dispozitiv de atașament este în stare de funcționare și în siguranță.

Avertizare! *Utilizarea acestor instrumente este permisă numai cu carabinierele Unior sau alte carabiniere certificate. Nu pot fi utilizate carabiniere cu diametrul mai mic de 6 mm.*

SCHIMBAREA CORECTA A SCULELOR



Incararea corecta a instrumentelor pe curea.



Carabiniera de pe coarda este atașată de inel pe instrument. Inelele pot accepta 2 carabiniere.



Carabiniera de pe coarda trebuie protejata impotriva deschiderii cu un inel de siguranta cu filet.



Înainte de a scoate scula din curea, deșurubați inelul de blocare de pe carabiniera .



Deschide carabiniera de pe centură și scoate instrumentul, care este atașat de coarda, din carabiniera de pe centură. Instrumentul este acum gata de utilizare.



Fixarea corectă a sculei pe coarda. ***Întoarceți instrumentul la centură urmând pașii în ordine inversă.***

Schimbarea corecta a capetelor tubulare.
Schimbarea se face intr-o sona securizata.



Utilizarea clichetului. Clichetul nu are buton pentru comutarea capetelor tubulare ca un clichet standard.



Utilizând dispozitivul de îndepărtare a capetelor tubulare (articolul 1111), apăsați știftul din gaură în timp ce scoateți priza de la unituitea pătrată a clichetului și apoi schimbați tubulara sau extensia.



Când montați capete sau extensii, asigurați-vă că orificiul din priză și știftul de pe unituitea pătrată sunt aliniate. Utilizarea dispozitivului de îndepărtare a capetelor tubulare (articolul 1111) apasă știftul în timp ce atașează tubulara. Asigurați-vă că știftul face clic în gaură.

UNIOR IN LEADING EDGE SAFETY

Unior a lucrat împreună cu Leading Edge Safety din Marea Britanie. Compania este specializată în protecția împotriva căderilor, iar caracteristicile lor, la care ne înscriem și la Unior, sunt expertiza (know-how-ul), profesionismul și o gamă largă de produse pentru cele mai largi aplicații.



LEADINGEDGE
The Height Safety Company

Leading Edge este un producător de produse de scule conectate. În primul rând și în primul rând Leading Edge este o companie de siguranță pe înălțime. Cu această fundație au reușit să proiecteze și să producă echipamente de prevenire a scăderii de scădere critică de siguranță din clasa de cuvânt.

GAMA DE PRODUSE

- bratari pentru instrumente
- tocuri pentru scule
- snururi ptr scule

www.leadingedgesafety.co.uk

3x

TRIPLA
INSPECTIE

TRASABILITATE
TOTALA

POTRIVIT
SCOPULUI

MADE IN THE
UK

CE

TESTAT

Toate produsele Leading Edge au aprobare CE, fabricate în conformitate cu Directiva 2006/42 / CE.

KG

EVALUAT

Proiectat cu sarcini sigure de lucru care depășesc cerințele minime.

✓ 338001
✓ 338002
✓ 338003
✓ 3380
✓ 338

INSERIAT

Fiecare articol se inseriaza și se loghează - pentru urmărirea completă a echipamentului.

CE

CERTIFICAT

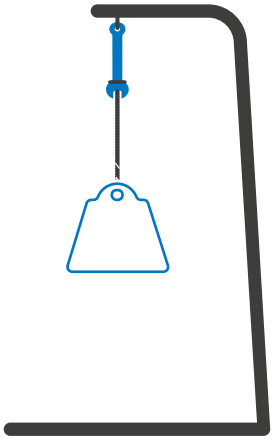
Articolele sunt certificate cu “declaratii de conformitate”.

METODE DE TESTARE

Toate echipamentele de siguranță ale sculelor clasificate ca fiind structurate trebuie să depășească două metode de testare riguroase.

TEST STATIC

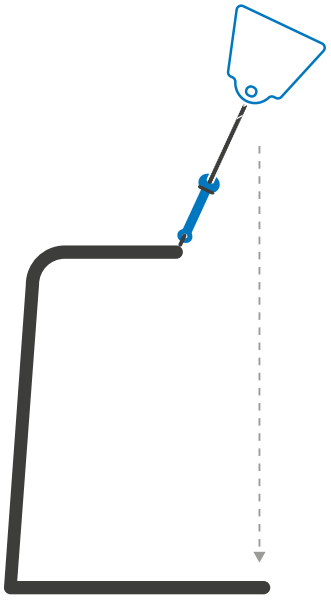
Atașăm produsul la un punct de ancorare și aplicăm presiune prin agățarea unei greutăți din el. Un produs trece numai dacă este capabil să reziste la sarcină pentru cel puțin trei minute, fără semne de deteriorare sau slăbire.



TEST DINAMIC DE CADERE BRUSCA

Atașăm o greutate de testare a produsului la 2xWLL, îl ridicăm și îl eliberam într-un factor de cădere 2 pentru a simula un eveniment obiect căzut. Produsul nu trebuie să prezinte semne de defecțiune structurală sau eliberare după impact.

Trei produse separate trebuie aruncate de trei ori fiecare pentru un total de nouă picături. Toate cele nouă picături trebuie să treacă pentru ca un produs să obțină aprobarea testării dinamice a căderilor.



STANDARDE DE TESTARE

Toate produsele de legătură cu instrumente Leading Edge sunt omologate CE și fabricate în conformitate cu Directiva Europeană a Mașinilor 2006/42 / CE.

Testarea produsului respectă articolul 11b din Directiva 89/686 / CEE a Consiliului European în conformitate cu BS EN 364: 1993 - cele mai înalte standarde deja existente pentru EIP.

FACTORI DE SIGURANTA

Toate produsele Leading Edge certificate se bucura de un factor extraordinar de siguranță de 47x. În mod special, proiectam produsele noastre pentru a avea o rezistență mai mare decât ar fi nevoie de un scenariu din lumea reală - acest lucru le oferă o durată de viață superioară în serviciu și vă garantează pe deplin siguranța în utilizarea de zi cu zi.

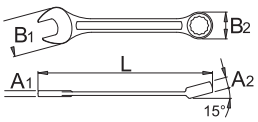
120/1-H

Chei combinate, varianta lunga cu inel pentru carabiniera

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *finisaj de suprafata: cromare in conformitate cu EN12540: 2000*
- *capul lustruit*
- *cap inelar cu profil LIFE*
- *realizate conform standardului ISO 7738 (doar dimensiunile in mm)*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

		L	B2	B1	A2	A1		
626076	6	119	10.4	14.5	5	3.5	0.014	**69.67**
626077	7	129	11.5	16.5	5.8	3.9	0.015	**69.67**
626078	8	141	13.2	18.5	6.9	3.9	0.023	**71.31**
626079	9	152	14.3	21	7.3	4	0.027	**74.92**
626080	10	163	15.9	23	7.5	4.2	0.037	**77.21**
626081	11	176	17.8	24.5	8	4.5	0.045	**78.85**
626082	12	186	19.4	26.5	8.5	4.7	0.055	**80.98**
626083	13	199	20.4	29.5	8.5	5.2	0.068	**83.44**
626084	14	210	22	31.5	9	5.2	0.082	**84.26**
626085	15	222	23.5	33.5	9.5	5.7	0.096	**87.21**
626086	16	234	24.8	36	10.5	6.2	0.121	**88.03**
626087	17	245	16.1	38	10.5	6.7	0.144	**91.97**
626088	18	257	27.7	40	11	7.2	0.165	**95.08**
626089	19	268	29.3	42	12	7.2	0.186	**98.36**
626090	20	280	31	44	12.5	7.7	0.225	**101.97**
626091	21	291	32.6	45.5	13	8.2	0.251	**105.74**
626092	22	303	34.1	46.5	13	8.2	0.266	**110.49**
626093	23	314	35.7	50.5	13	8.2	0.300	**119.02**
626094	24	330	37.3	52.5	14	8.5	0.382	**124.26**
626095	25	337	39	54.5	14.5	8.5	0.377	**132.79**
626096	26	349	40.1	56	15	8.5	0.422	**135.57**
626097	27	360	41.6	57.5	15	9	0.453	**144.59**
626098	28	373	43.2	59.5	15.1	9	0.532	**154.10**
626099	29	383	44.9	61.5	16	9.5	0.567	**162.13**
626100	30	395	46.5	63.5	16	10	0.632	**168.85**
626101	32	416	49	68	16.5	10.5	0.719	**178.20**
626176	35	500	53.5	78.8	20	13.6	1.405	**272.30**
626117	36	500	53.5	78.8	20	13.6	1.415	**279.84**
626174	38	515	58	82.8	20.5	14.1	1.310	**297.21**
626118	41	540	62	86.8	21	14.6	2.025	**353.44**
626295	1/4"	119	10.4	14.5	5	3.5	0.014	**69.67**
626296	5/16"	142	13.2	18.5	6.9	3.9	0.023	**71.31**
626297	3/8"	153	14.3	21	7.3	4	0.027	**77.21**
626298	7/16"	176	17.8	24.5	8	4.5	0.045	**78.85**
626299	1/2"	199	20.4	29.5	8.5	5.2	0.068	**83.44**
626300	9/16'	211	22	31.5	9	5.2	0.082	**84.26**
626301	5/8"	234	24.8	36	10.5	6.2	0.121	**89.18**
626302	11/16"	245	26.1	38	10.5	6.7	0.144	**95.08**
626303	3/4"	268	29.3	42	12	7.2	0.186	**98.36**
626304	13/16"	291	32.6	45.5	13	8.2	0.251	**105.74**
626305	7/8"	303	34.1	46.5	13	8.2	0.266	**110.49**
626306	15/16"	330	37.3	52.5	14	8.5	0.382	**121.31**
626307	1"	337	39	54.4	14.5	8.5	0.377	**132.79**
626308	1 1/16"	360	41.6	57.5	15	9	0.453	**144.59**
626309	1 1/8"	372	43.2	59.5	15.5	9	0.532	**154.10**
626310	1 1/4"	417	49	68	16.5	10.5	0.719	**168.85**
626311	1 5/16"	417	49	68	16.5	10.5	0.732	**178.20**
626312	1 3/8"	500	53.5	78.8	20	13.6	1.425	**335.90**
626313	1 7/16"	500	53.5	78.8	20	13.6	1.395	**335.90**
626314	1 1/2"	500	53.5	78.8	20	13.6	1.335	**335.90**
626315	1 5/8"	540	62	86.8	21	14.6	1.975	**418.36**
626316	1 11/16"	540	62	86.8	21	14.6	1.995	**418.36**

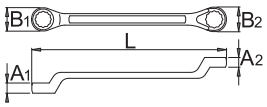
179/2-H

Cheie inelara dublu cotita pentru schela cu inel pentru carabiniera

- *material: crome vanadium*
- *forjare, calire si intarire totala*
- *acoperire cromare conform EN12540*
- *acoperire prin cromare*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

		L	B2	B1	A2	A1		
626161	21 x 22	316	34	35	17	17	1.995	**158.85**

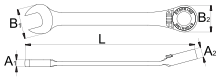
160/2-H

Cheie combinata cu clichet cu inel pentru carabiniera

- *material: crom vanadiu*
- *tratament termic complet*
- *clichet: lucreaza in ambele sensuri, sensul de rotatie se schimba din buton*
- *partea poligonala a cheii este dotata de un inel de blocaj destinat impiedicarii alunecarii neasteptate de pe piulita si de a facilita repozitionarea pe aceasta.*
- *permite strangerea piulitei usor si rapid, fara risc de ranire a utilizatorului si repozitionarea cheii pe piulita in mod sigur si precis.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

		L	B2	B1	A2	A1		
626389	8	134	17.1	16.7	8.4	4.7	0.035	**116.72**
626390	9	158	21	21	8.4	5.5	0.061	**118.36**
626391	10	158	21	21	8.4	5.5	0.055	**118.36**
626392	11	164	22.6	23	9.7	6	0.069	**120.98**
626393	12	167	23.8	25	9.7	6.2	0.079	**126.39**
626394	13	177	24.9	27.5	9.7	6	0.098	**130.66**
626395	14	189	27	29	10.1	7	0.114	**136.56**
626396	15	198	28.1	31.5	11.7	7.2	0.137	**144.75**
626397	16	204	29.9	33	11.7	7.5	0.164	**150.49**
626398	17	224	31.9	34.9	11.7	8	0.182	**157.38**
626399	18	245	34.4	38.9	12	8.8	0.216	**169.02**
626400	19	245	34.4	38.9	19	12	0.229	**174.92**
626401	21	280	45.7	42.6	14.2	9.5	0.398	**218.36**
626402	22	280	45.7	42.6	14.2	9.5	0.379	**215.41**
626403	24	310	51.7	46.5	14.7	10	0.488	**246.23**

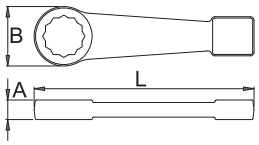
184/7-H

Cheie inelara de soc cu inel pentru carabiniera

- *material: otel carbon de scule*
- *forjata, calire si revenire totala*
- *acoperire: uleiere anticoroziva*
- *in concordanta cu standardul DIN 7444 (numai dimensiunile in mm)*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

		L	A	B		
626344	24	180	16	48.6	0.534	**179.84**
626345	27	180	16	48.6	0.514	**193.77**
626346	30	180	16	48.6	0.488	**217.05**
626347	32	190	18	58.4	0.739	**227.05**
626348	36	190	18	58.4	0.694	**269.34**
626349	41	235	22	74	1.425	**334.10**
626350	46	235	22	74	1.360	**363.77**
626351	50	235	22	74	1.335	**400.00**
626360	1 1/16"	180	16	49	0.512	**200.16**
626361	1 1/8"	180	16	49	0.511	**200.16**
626363	1 1/4"	190	18	58	0.740	**235.08**
626364	1 5/16"	190	18	58	0.708	**279.51**
626365	1 3/8"	190	18	58	0.700	**279.51**
626366	1 7/16"	190	18	58	0.687	**279.51**
626367	1 1/2"	235	22	74	1.470	**347.38**
626368	1 5/8"	235	22	74	1.425	**347.38**
626369	1 11/16"	235	22	74	1.440	**347.38**
626370	1 3/4"	235	22	74	1.410	**378.36**
626371	1 13/16"	235	22	74	1.360	**378.36**
626372	1 7/8"	235	22	74	1.350	**416.39**
626373	2"	235	22	74	1.335	**416.39**

NOU

Cheie tubulare cu clichet pentru schele cu inel pentru carabiniera

- *material: otel carbon de scule*
- *forjata, calire si revenire totala*
- *acoperire: vopsire*



EGA Master ART IN INNOVATION

DROPS ACO

AD659167	10 x 13	0.170	**536.39**
AD659087	13 x 17	0.170	**593.15**
AD650767	17 x 19	0.450	**673.21**
AD659177	19 x 21	0.480	**750.13**
AD650777	19 x 22	0.500	**750.30**
AD650787	19 x 24	0.676	**827.47**
AD650797	24 x 30	0.920	**1058.48**
AD650807	27 x 32	0.950	**1135.32**
AD650817	36 x 41	1.400	**1905.45**

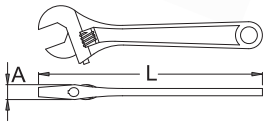
250/1-H

Cheie reglabila cu rola cu inel pentru carabiniera

- *material: crome vanadium*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *capete polizate*
- *cu scala*
- *in conformitate cu standardul ISO 6787*
- *greutatea sculei este marcata pe fiecare scula*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

		L	A			
626106	200	205	14.4	28	0.243	**147.54**
626107	250	254	16.9	32	0.439	**180.98**
626108	300	303.5	19.1	38	0.702	**241.80**
626109	380	375	23.8	50	1.315	**426.56**
626162	450	458.5	26.3	60	1.730	**674.92**

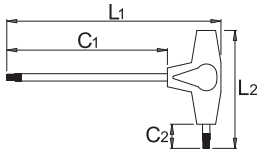
193HX-H

Cheie hexagonala cu maner in T cu inel pentru carabiniera

- *material: tija-crom vanadium tratata complet*
- *maner polipropilena*
- *lama cromata, varful brunat*
- *inelul metalic rotativ este proiectat ergonomic si impiedica rasucirea snurului.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

		L1	C1	C2	L2		
626177	2.5	155	125	15	61	0.013	**54.26**
626178	3	155	125	15	61	0.016	**54.75**
626180	4	155	125	15	61	0.024	**61.15**
626182	5	188	150	20	88	0.056	**66.56**
626183	6	188	150	20	88	0.074	**69.51**
626184	7	223	175	25	113	0.128	**84.43**
626185	8	223	175	25	113	0.155	**86.72**
626186	10	248	200	25	113	0.233	**102.46**

NOU

Cheie pipa cu inel pentru carabiniera

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*



EGA Master ART IN INNOVATION · TITACROM · DROPS ACO

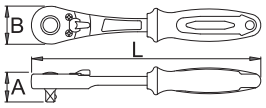
AD611727	8	0.062	**141.53**
AD611747	10	0.094	**146.66**
AD611757	11	0.118	**149.71**
AD611767	12	0.140	**153.68**
AD611777	13	0.180	**158.06**
AD611787	14	0.205	**171.53**
AD611797	15	0.245	**177.39**
AD611807	16	0.300	**183.01**
AD611817	17	0.320	**184.25**
AD611827	18	0.350	**206.72**
AD611837	19	0.440	**213.17**
AD611857	21	0.500	**239.11**
AD611867	22	0.610	**262.49**
AD611877	23	0.670	**267.86**
AD611887	24	0.694	**281.83**
AD611947	30	1.500	**439.39**

190.1/1ABI-H

Antrenor cu clichet reversibil cu inel pentru carabiniera

- *material:compozitie speciala pentru calire revenire*
- *corp forjat*
- *tratament termic total*
- *suprafata: cromata in concordanta cu standardul EN 12540*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





UNIOR

		L	A	B		
626245	1/2"	260	36	45	0,423	**328.20**

1111

Instrument de eliberare capete chei tubulare

- *instrumentul este folosit pentru a elibera capetele chei tubulare de pe accesorii pentru o munca sigura la inaltime.*



UNIOR

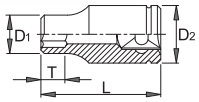
627339	0,014	**8.52**

190/1 12P-H

Capete chei tubulare 1/2" cu 12 laturi

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *greutatea sculei este marcata pe fiecare scula*
- *fabricate in conformitate cu standardele ISO 3315-B (accesorii) si ISO 2725-1B (capete)*
- *capetele tubulare si accesoriile de conectare necesita utilizarea unui instrument specific (articolul 1111)*
- *capete chei tubulare si accesorii cu gsuri laterale*
- *atentionari! conactarile pentru capetele tubulare si accesoriile necesare trebuie sa fie efectuate intr-o zona securizata anterior sau in siguranta*





UNIOR

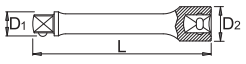
		L	D1	D2	T		
626143	10	38	15	22.9	12	0.055	**50.66**
626144	11	38	16.3	22.9	12	0.055	**50.66**
626145	12	38	17.9	22.9	12	0.065	**50.66**
626146	13	38	18.8	22.9	12	0.065	**50.66**
626147	14	38	19.7	22.9	12	0.065	**50.66**
626148	15	38	20.4	22.9	12	0.065	**50.66**
626149	16	38	22.9	21.5	12	0.065	**50.66**
626150	17	38	24.3	22	12	0.065	**57.05**
626151	18	38	25.5	23	12	0.100	**57.05**
626152	19	38	26.8	24	14	0.105	**57.05**
626153	20	38	28.1	24	14	0.115	**58.20**
626154	21	38	29.3	25	14	0.128	**58.20**
626155	22	38	30.4	25	14	0.142	**58.69**
626156	23	40	31.7	26	14	0.147	**62.13**
626157	24	42	33.1	28	16	0.165	**62.13**
626158	27	43	37	30	18	0.180	**65.57**
626159	30	46	40.7	34	22	0.195	**70.00**
626160	32	46	43.2	36	22	0.237	**70.00**
626388	36	46	48	42	22	0.245	**90.82**
626203	3/8"	38	15	22.9	12	0.055	**53.11**
626204	7/16"	38	16.3	22.9	12	0.055	**53.11**
626205	1/2"	38	18.8	22.9	12	0.065	**54.92**
626206	9/16"	38	20.4	22.9	12	0.065	**54.92**
626207	19/32"	38	20.4	20.7	12	0.065	**55.74**
626208	5/8"	38	22.9	21.5	12	0.065	**55.74**
626209	11/16"	38	25.5	23	12	0.065	**55.74**
626210	3/4"	38	26.8	24	14	0.105	**59.18**
626211	25/32"	38	27.9	24	14	0.115	**65.08**
626212	13/16"	38	29.3	25	14	0.128	**65.08**
626213	7/8"	40	31.7	26	14	0.142	**61.48**
626214	15/16"	42	33.1	28	16	0.165	**63.93**
626215	1"	42	35.3	30	16	0.170	**65.57**
626216	1.1/16"	43	37	30	18	0.180	**69.02**
626217	1.1/8"	43	39	32	20	0.190	**73.28**
626218	1.3/16"	46	40.7	34	22	0.195	**76.23**
626219	1.1/4"	46	43.2	36	22	0.237	**78.36**

190.4/1-H

Prelungitor lung 1/2"

- *material: crom vanadiu*
- *forjata, calire si revenire totala*
- *acoperire cromare conform EN12540*
- *polizate*
- *greutatea sculei este marcata pe fiecare scula*





UNIOR

		L	D1	D2		
626103	1/2"	125	16,8	24	0,178	**79.18**
626104	1/2"	250	16,8	24	0,326	**95.41**

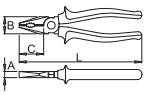
405/1BI-H

Cleste combinat cu maner bimateial cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *maner bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5746*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

	L	A	B	C		
626958	160	9.5	24	35	0.224	158.85
626959	180	10	27	38	0.273	166.56

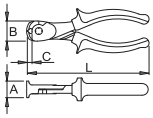
455/1BI-H

Cleste cu tais fata cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5748*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai*
prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia
si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

	L	A	B	C		
626201	160	22	27	7	0,254	189.84

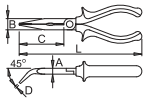
512/1BI-H

Clesti cu varfuri semirotunde indoite si tais lateral cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5745*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

	L	A	B	C	D		
626962	170	9	17	61	2,5	0,152	188.52
626192	200	9	17	77	2,5	0,204	194.26

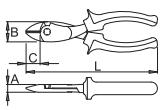
466/1BI-H

Cleste tais lateral pentru conditii grele cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare:cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5749*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai*
prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia
si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

	L	A	B	C		
626960	160	9.5	24	35	0.224	179.02
626961	180	10	27	38	0.273	200.98

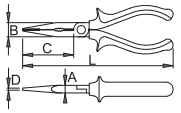
508/1BI-H

Cleste cu varfuri semirotunde si tais lateral cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul ISO 5745*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai*
prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

	L	A	B	C	D		
626189	200	9	17	77	2,5	0,191	180.00

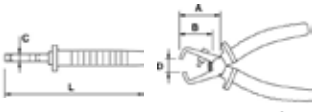
AD623497 NOU

Cleste pentru dezizolat cabluri cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul DIN 5743*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





DIN 5743

EGA Master ART IN INNOVATION TITACROM ACO DROPS

	L	A	B	C		
AD623497	160	44	37	9	0.220	327.10

AD623387 NOU

Cleste cu varfuri rotunde cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul DIN 5745*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.



DIN 5745

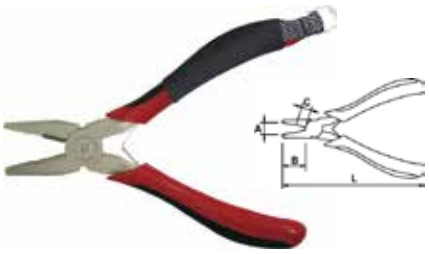
	L	A	B	C		
AD623387	160	41	2	10	0.160	289.43

AD622417 NOU

Cleste combinat pentru electronisti cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul DIN 9655*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.



DIN 9655

	L	A	B	C		
AD622417	125	19	21	8	0.050	193.50

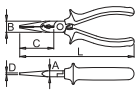
514/1BI-H

Cleste multifunctional pentru electricieni cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *sarma de bobinaj tare si inelele de sarma pana la Ø 3.5 mm. Inelele pot fi indoite spre dreapta si spre stanga pana cand scula ajunge cu dintele corespunzator in ambele parti.*
- *partea inferioara a falcii este proiectata pentru blocarea obiectelor cu suprafata precisa si sensibila.*
- *clestii pot fi folositi pentru sertizarea terminalelor izolate*
- *dezizolarea cablurilor izolate de Ø 2.2 mm la Ø 3.0 mm.*
- *dezizolarea cablurilor izolate de Ø 3,5 mm la Ø 4,0 mm.*
- *taiere sarma de Ø 2.2 mm la Ø 4.0 mm.*
- *sertizare cabluri terminale pana la Ø 4.0 mm.*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





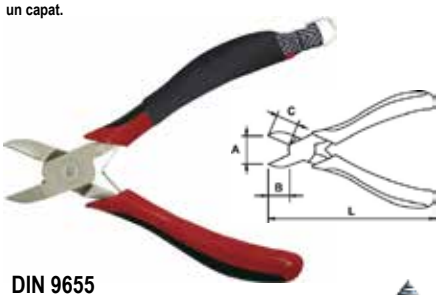
	L	A	B	C	D		
626259	160	9	16	49	2,5	0,141	179.51

AD622477 NOU

Cleste cu tais lateral pentru electronisti cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul DIN 9655*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.



DIN 9655

	L	A	B	C		
AD622477	115	13	15	13	0.050	174.25

AD622437 NOU

Cleste cu varfuri rotunde pentru electronisti cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *in conformitate cu standardul DIN 9655*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.



DIN 9655

	L	A	B	C		
AD622437	130	40	25	-	0.058	177.23

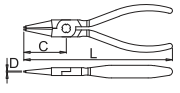
536PLUS/1DP-H

Cleste inel de siguranta, intern, varfuri drepte cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *manere duble de plastic*
- *in concordanta cu standardul DIN 5254 forma C*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





	L	C	D			
626387	180	52	1,8	19-60	0,192	155.25



EGA Master produce o gama intreaga de produse si solutii ANTICADARE care au fost concepute pentru a controla si a preveni caderea obiectelor atunci cand se lucreaza la inaltime. Aceste produse au fost concepute pentru a permite o utilizare confortabila, productiva si eficientă a uneltelor, asigurand in acelasi timp siguranta lucrătorilor si a echipamentelor impotriva caderii obiectelor. Ideale pentru multe activitati de productie, construcție, instalare si intretinere, atat onshore, cat si offshore.
Egamaster - Instrumente FOD

Cateva aplicatii: platforme petroliere, turbine eoliene, linii electrice, macarale, cladiri, schele, poduri, turnuri de telecomunicatii, intretinere avioane, speologie, minerit...

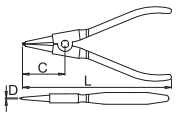
532PLUS/1DP-H

Cleste inel de siguranta, exterior, varfuri drepte cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *varfuri brunate*
- *manere duble de plastic*
- *in concordanta cu standardul DIN 5254 forma A*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

	L	C	D			
626386	180	52	1,8	19-60	0,209	166.07

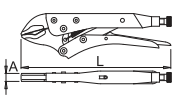
429/3-H

Cleste menghina cu falci simetrice cu inel pentru carabiniera

- *falci forjate din otel special de scule*
- *manere din tabla*
- *acoperire nichelare*
- *surub fosfatat*
- *falci simetrice*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

	L		A		
626163	250	35	12	0,596	205.74
626263	300	40	14	1,010	281.80

AD621517 NOU

Cleste pentru taiat cabluri cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*
- *capacitate de taiare Cu/Al: 63 mm2*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.



EGA Master ART IN INNOVATION TITACROM DROPS ACO

	L	Ø		
AD621517	250	12	0.500	338.18

AD639157 NOU

Foarfeca pentru taiat plastic cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*
- *designul special al lamelor permite taierea cablurilor foarte stranse, fara a deteriora cablurile*
- *obligatoriu in industria auto, electricitate si retelistica, unde utilizarea foarfecelor sau a cutitelor poate deteriora involuntar cablurile si poate cauza probleme mai grave si costuri*
- *permite taierea cablurilor cu diametrul de pana la 10 mm*
- *maner PVC*



EGA Master ART IN INNOVATION TITACROM DROPS ACO

	L	Ø		
AD639157	150	12	0.500	221.26

AD695347 NOU

Foarfeca electrician cu lama dreapta cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *duritate varf: 56-62 HRc*
- *partile taietoare tratate prin inductie*
- *manere nylon*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*



EGA Master ART IN INNOVATION DROPS ACO

	L	Ø		
AD695347	145	-	0.100	232.50

AD695357 NOU

Foarfeca electrician cu lama dreapta cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *duritate varf: 56-62 HRc*
- *partile taietoare tratate prin inductie*
- *manere nylon*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*



EGA Master ART IN INNOVATION DROPS ACO

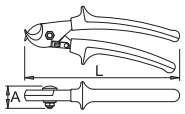
	L	Ø		
AD695357	145	-	0.150	236.38

580/1BI-H

Foarfeca pentru taiat cabluri cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *finisare: cromat in conformitate cu standardul EN12540*
- *cap polizat*
- *manere bimaterial pentru conditii grele*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





UNIOR

	L	A	ØT		
626202	230	22	17	0,444	289.84

AD638757 NOU

Dispozitiv dezizolat cabluri cu inel pentru carabiniera

- *material: nylon si fibra*
- *duritate varf: 13 HRc*
- *lama din coarda de pian*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





DROPS ACO

EGA Master ART IN INNOVATION

	L	Ø		
AD638757	135	4,5 - 25 mm	0.130	483.34

AD626277 NOU

Clestele de rasucit pentru asigurare cu inel pentru carabiniera

- *clestele de sigurantat este un instrument versatil care va ajuta sa realizati rapid si consecvent blocarea cu fir rasucit*
- *asigurarile cu sarma rasucita, raman cea mai pozitiva si sigura metoda de fixare a elementelor de fixare critice care nu trebuie lasate sa se desface: orice tendinta de slabire a dispozitivului de fixare este contracarata prin strangerea firului de siguranta.*
- *capacitate de rasucire si taiere: 75 kg/mm2: până la 1,5 mm - 120 Kg/mm2: până la 1 mm - 200 Kg/mm2: până la 0,5 mm sârmă*



	L	L1	A	B	C		
AD626277	160	235	17	23	10	0.330	1488.29

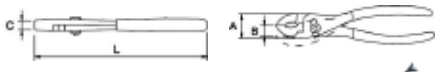
AD620917 NOU

Cleste gaz cu doua pozitii cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*
- *duritate generala: 42-46 HRc / Surub: 28-50HRc*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.



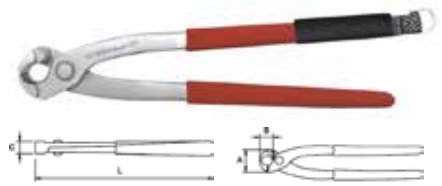


	L	A	B	C		
AD620917	200	31	8	10	0.250	210.36

AD621247 NOU

Cleste plasa sarma / rabiz cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*
- *duritate generala: 44-48 HRc / falca: 52-60HRc*



	L	A	B	C		
AD621247	200	35	12	23	0.430	232.25

AD624397 NOU

Cleste pentru scos cuie cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *manere bimaterial pentru conditii grele*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*
- *duritate generala: 44-48 HRc / falca: 52-60HRc*





	L	A	B	C		
AD624397	200	55	26	21	0.380	205.32

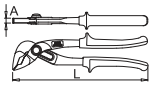
447/1HPP-H

Cleste reglabil pentru instalatori cu inel pentru carabiniera

- *material: crom vanadiu*
- *tratat complet*
- *suprafata de lucru tratata prin inductie*
- *finisare: cromat in conformitate cu standardul EN12540*
- *manere bimaterial pentru conditii grele*
- *dantura dintilor este conceputa pentru a asigura strangerea optima a piesei*
- *deschiderea falcilor reglabila in 10 pozitii*
- *strangere ferma: designul si forma falcilor asigura o mai buna strangere a piesei, avand ca rezultat stabilitate, siguranta si un randament mai bun.*
- *ergonomie: manerele sunt proiectate pentru o adaptare perfecta a mainii si asigura o mai mare strangere si siguranta.*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





	L		A		
626343	240	40	8.5	0,392	268.85



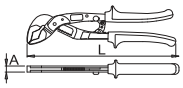
442/1HYPO-H

Cleste reglabil pentru instalatori tip HYPO cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *suprafata de lucru tratata prin inductie*
- *manere bimaterial pentru conditii grele*
- *tratat complet*
- *clestii HYPO sunt cu autoreglare, deci nu este necesar sa se regleze in avans deschiderea falcilor*
- *operare cu o mana, autoajustabila*
- *clestele de adapteaza perfect la piesa de lucru*
- *deschiderea maxima a falcilor : Ø 40 mm.*
- *meacnismul de blocare permite depozitarea facila a uneltei dupa folosire*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





	L		A		
626244	240	40	9	0,397	263.11

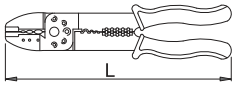
425/4B-H

Cleste de sertizat cu inel pentru carabiniera

- *confectionat din tabla*
- *tratament termic complet*
- *maner de plastic pentru conditii grele*
- *pentru terminale izolate si inchise neizolate*
- *pentru a asigura cel mai inalt nivel de siguranta, inelul metalic nituit nu este montat numai prin manerele din plastic, ci este atasat prin partea metalica a manerului sculei.*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





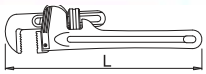
	L			
626110	240	1,5-6 mm	0,320	186.72

492/6-H

Cleste industrial pentru tevi cu inel pentru carabiniera

- *material: maner din aliaj special, foarte rezistent*
- *falci tratate, dintii tratati suplimentar prin inductie*
- *falci intershimbabile, fosfatate*
- *falca superioara reglabila*
- *maner vopsit*
- *utilizare: strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





UNIOR

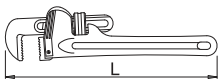
		L	L"			
626113	1.1/2"	250	10"	49	0,760	202.30

492AL-H

Cleste industrial din aluminiu pentru tevi cu inel pentru carabiniera

- *material: maner din aliaj de Aluminiu, foarte reziztent*
- *falci tratate, dintii tratati suplimentar prin inductie*
- *falci intershimbabile, fosfatate*
- *falca superioara reglabila*
- *maner vopsit*
- *utilizare: strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





UNIOR

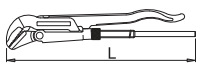
		L	L"			
626119	2"	330	14"	60	0,960	304.26
626120	2.1/2"	410	18"	76	1,560	416.72

481/6-H

Cleste de tevi cu gura la 45° model Suedez cu inel pentru carabiniera

- *material:crom vanadiu*
- *tratat complet*
- *in conformitate cu standardul DIN 5234 forma B*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*
- *utilizare: strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*





UNIOR

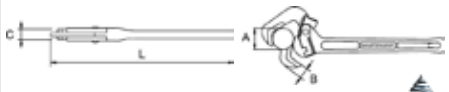
		L			
626111	2"	555	70	2,330	472.79

NOU

Cleste industrial pentru tevi cu inel pentru carabiniera

- *material: maner din aliaj de otel, foarte reziztent*
- *falci tratate, dintii tratati suplimentar prin inductie*
- *falci intershimbabile, fosfatate*
- *falca superioara reglabila*
- *maner vopsit*
- *utilizare: strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





EGA Master ART IN INNOVATION

DROPS ACO

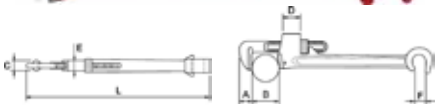
		A	B	C			
AD614057	10"	1/4"-1.1/2"	15	26	13-46	0,900	400.72
AD614067	14"	1/2"-2"	23	33	17-50	1,650	480.54
AD614077	18"	3/4"-3"	50	50	17-80	2.500	1265.37

NOU

Cleste industrial GGG-W-651-E Tip II Clasa A pentru tevi cu inel pentru carabiniera

- *material: maner din aliaj de otel, foarte reziztent*
- *falci tratate, dintii tratati suplimentar prin inductie*
- *falci intershimbabile, fosfatate*
- *falca superioara reglabila*
- *maner vopsit*
- *utilizare: strangerea, rotirea sau ancorarea suruburilor, piulitelor si flanselor*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





EGA Master ART IN INNOVATION

DROPS ACO

		L	A	B	C			
AD575807	8"	250	15	1/8"-1"	26	3/4"	0,530	815.16
AD575817	10"	250	20	1/8"-1	33	1/2"	0,780	911.08
AD575827	12"	300	22	1/8"-1.1/2	50	1/2"	1.200	1150.77

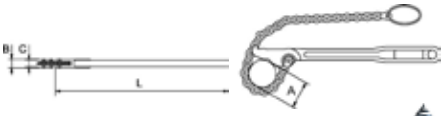


NOU

Cheie cu lant GGG-W-00651e Type III Class A pentru tevi cu inel pentru carabiniera

- *material maner: otel forjat*
- *material lant: otel special*
- *duritate maner: 30-45 HRc / dinti 52-60 HRc*
- *duritate lant: 44-48 HRc / axe 50-54 HRc*
- *test de flexare (Conform standardului UNE-16555-2-98, 650 Nm)*





EGA Master ART IN INNOVATION

DROPS ACO

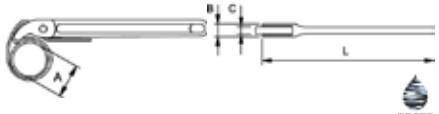
		L	A	B		
AD610357	12"	300	4"	19	0,790	409.98

NOU

Cheie cu curea pentru tevi cu inel pentru carabiniera

- *material: maner din aliaj aluminiu*
- *curea: nylon*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





EGA Master ART IN INNOVATION

DROPS ACO

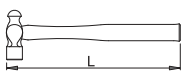
		A	L	L1	B	C		
AD614807	3"	300	450	43	27	0,295	430.63
AD614817	8"	300	1000	43	27	0,295	462.85
AD614827	12"	300	1200	43	27	0,400	494.50

812-H

Ciocane lacatuserie cu inel pentru carabiniera

- *material: otel special pentru scule*
- *forjat*
- *fetele de lovire tratate prin inductie*
- *suprafata acoperita*
- *inel metalic nituit, care nu este detasabil*
- *greutatea este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*
- *maner armat cu 4 bare de otel de arc care ruleaza complet prin maner.*





UNIOR

		L		
627543	500	350	950	375.25

817-H

Ciocan cu fete paralelipipedice cu inel pentru carabiniera

- *material: otel special pentru scule*
- *forjat*
- *fetele de lovire tratate prin inductie*
- *suprafata acoperita*
- *conform standardului DIN 6475*
- *inel metalic nituit, care nu este detasabil*
- *greutatea este marcata pe fiecare scula*
- *inelele de pe unueltele sunt suficient de mari pentru a accepta 2 carabiniere*
- *maner armat cu 4 bare de otel de arc care ruleaza complet prin maner.*



UNIOR

	gr	L	A		
627542	1800	300	40	2,297	509.34

805A-H

Ciocan dulgher cu inel pentru carabiniera

- *material: otel special pentru scule*
- *forjat*
- *fetele de lovire tratate prin inductie*
- *suprafata acoperita*
- *maner metalic tubular cromat, cu maner din plastic*
- *conform standardului DIN 7239*
- *inel metalic nituit, care nu este detasabil*
- *greutatea este marcata pe fiecare scula*
- *inelele de pe unueltele sunt suficient de mari pentru a accepta 2 carabiniere*

Unueltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.



UNIOR

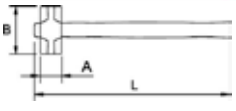
	gr	L	A		
626164	550	320	21	0,825	277.87

NOU

Baros cu maner di fibra de sticla cu inel pentru carabiniera

- *material: otel special pentru scule*
- *forjat*
- *fetele de lovire tratate prin inductie*
- *suprafata acoperita*





EGA Master ART IN INNOVATION

DROPS ACO

	g	L	A	B		
AD685307	4000	900	61	4000	4	812.02
AD685327	8000	900	83	8000	8	1140.36
AD685337	10000	900	86	10000	10	1295.36

Ciocan lacatuserie cu inel pentru carabiniera

- *material: otel special pentru scule*
- *forjat*
- *fetele de lovire tratate prin inductie*
- *suprafata acoperita*



EGA Master ART IN INNOVATION

DROPS ACO

	g		
AD697317	200	0.295	172.85
AD697327	300	0.460	184.74
AD697337	400	0.560	203.00
AD697347	500	0.710	225.48
AD697357	600	0.810	243.74
AD697367	800	1.080	312.56
AD697377	1000	1.280	357.10



Levier cu inel pentru carabiniera

- *material: otel special pentru scule*
- *45-48 HRc.*
- *special conceput pentru decapare, extragerea cuielor si manevrare*



EGA Master ART IN INNOVATION

DROPS ACO

	L		
AD632627	18"	0.850	233.24

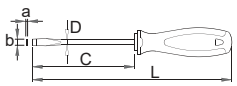
605TBI-H

Surubelnita lata cu maner trimaterial cu inel pentru carabiniera

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 2380-1,2*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe unueltele sunt suficient de mari pentru a accepta 2 carabiniere*

Unueltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia
si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

	a x b	C	L	D		
626233	0,4 x 2,5	75	160	2,5	0,034	58.03
626234	0,5 x 3,0	80	165	3	0,035	58.36
626235	0,8 x 4,0	100	185	4	0,041	66.39
626236	1,0 x 5,5	125	225	5,5	0,070	74.10
626237	1,2 x 6,5	150	260	6	0,103	81.97
626238	1,2 x 8,0	175	295	7	0,143	91.64
626239	1,6 x 10,0	200	320	8	0,173	100.00

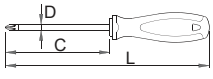
615TBI-H

Surubelnita Phillips cu maner trimaterial cu inel pentru carabiniera

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *trimaterial*
- *gaura de agatare*
- *in concordanta cu standardul ISO 2380-1,2*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe unueltele sunt suficient de mari pentru a accepta 2 carabiniere*

Unueltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia
si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





UNIOR

	+	C	L	D		
626241	PH 1	80	180	4	0,060	63.28
626242	PH 2	100	210	6	0,094	74.43
626243	PH 3	150	270	8	0,154	87.70

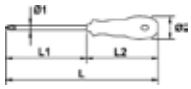
NOU

Surubelnita Pozidrive® cu maner bimaterial si inel pentru carabiniera

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *bimaterial*
- *gaura de agatare*
- *in concordanta cu standardul DIN ISO 8764*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





EGA Master ART IN INNOVATION — DROPS — ACO

		Ø1	Ø2	L	L1	L2		
AD664567	PZ 0	3	26	145	60	85	0.037	106.58
AD664577	PZ 1	5	34	205	100	105	0.076	123.27
AD664727	PZ 1	5	34	405	300	105	0.120	149.80
AD664587	PZ 2	6	36	240	125	115	0.120	148.97
AD664737	PZ 2	6	6	415	300	115	0.120	181.19
AD664597	PZ 3	8	40	280	150	130	0.180	179.21
AD664607	PZ 4	10	40	330	200	130	0.260	225.97

NOU

Surubelnita TORX® MASTERTORK DIN 5262 cu maner bimaterial si inel pentru carabiniera

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *bimaterial*
- *gaura de agatare*
- *in concordanta cu standardul DIN 5262*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





EGA Master ART IN INNOVATION — DROPS — ACO

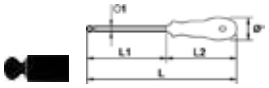
		Ø1	Ø2	L	L1	L2		
AD664747	TX 6	3	26	135	50	85	0.034	120.71
AD664757	TX 7	3	26	135	50	85	0.034	120.71
AD664767	TX 8	3	26	135	50	85	0.034	120.71
AD664777	TX 9	3	26	160	75	85	0.038	120.71
AD664787	TX 10	3	26	160	75	85	0.038	120.71
AD664797	TX 15	4	34	180	75	105	0.041	125.09
AD664807	TX 20	4	34	205	100	105	0.044	135.34
AD664817	TX 25	5	34	205	100	105	0.088	139.22
AD664827	TX 27	5	34	220	115	105	0.088	140.46
AD664837	TX 30	6	36	240	125	115	0.120	152.27
AD664847	TX 40	7	40	255	125	130	0.160	172.68
AD664857	TX 45	8	40	280	150	130	0.180	196.23
AD664867	TX 50	10	40	305	175	130	0.240	206.81

NOU

Surubelnita profil hexagon cu cap sferic cu maner bimaterial si inel pentru carabiniera

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *bimaterial*
- *gaura de agatare*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





EGA Master ART IN INNOVATION — DROPS — ACO

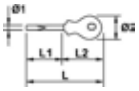
		Ø1	Ø2	L	L1	L2		
AD665017	2.5	26	-	160	75	85	0.034	110.38
AD665027	3	26	-	160	75	85	0.040	113.61
AD665037	4	26	-	185	100	85	0.047	120.55

NOU

Surubelnita Stubby profil lat DIN 5265 cu maner bimaterial si inel pentru carabiniera

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *bimaterial*
- *gaura de agatare*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





EGA Master ART IN INNOVATION — DROPS — ACO

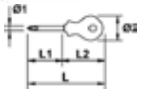
		Ø1	Ø2	L	L1	L2		
AD665257	0.8x5.5	5.5	40	85	25	60	0.045	121.21

NOU

Surubelnita Stubby Phillips DIN 5262 cu maner bimaterial si inel pentru carabiniera

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *bimaterial*
- *gaura de agatare*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





EGA Master ART IN INNOVATION — DROPS — ACO

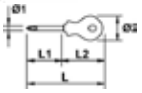
		Ø1	Ø2	L	L1	L2		
AD671927	PH 1	5	40	85	25	60	0.035	128.31
AD665267	PH 2	6	40	85	25	60	0.053	128.31

NOU

Surubelnita Stubby Pozidriv DIN 5262 cu maner bimaterial si inel pentru carabiniera

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *bimaterial*
- *gaura de agatare*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





EGA Master ART IN INNOVATION — DROPS — ACO

		Ø1	Ø2	L	L1	L2		
AD671937	PH 1	5	40	85	25	60	0.035	128.31
AD665277	PH 2	6	40	85	25	60	0.053	128.31

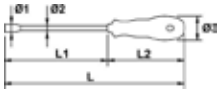
NOU

Surubelnita cap tubular MASTERTORK cu maner bimaterial si inel pentru carabiniera

- *lama: otel crom vanadium molibden tratata integral*
- *lama cromata, varful brunat*
- *maner: forma ergonomica*
- *bimaterial*
- *gaura de agatare*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime EGAMASTER au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila. Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.





EGA Master ART IN INNOVATION — DROPS — ACO

		Ø1	Ø2	L	L1	L2		
AD665107	4	8	5	255	150	105	0.100	190.94
AD665117	5	8.5	5	255	150	105	0.100	196.06
AD665127	5,5	8.5	5	255	150	105	0.100	196.06
AD665137	6	10	6	275	160	115	0.130	196.06
AD665147	7	10	6	290	175	115	0.113	231.84
AD665157	8	11	8	305	175	130	0.200	236.38
AD665167	9	14	8	305	175	130	0.200	243.16
AD665177	10	14	8	305	175	130	0.200	257.70
AD665187	11	15	9	305	175	130	0.240	268.03
AD665197	12	17	9	305	175	130	0.210	281.83
AD665207	13	19	9	305	175	130	0.240	294.06
AD665217	14	20	9	305	175	130	0.240	314.30

556A-H

Cutter cu inel pentru carabiniera

- *maner bimaterial*
- *3 lame interschimbabile automat in interior*
- *lama cu 13 lame de schimb*
- *lama din otel carbon aliat*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*



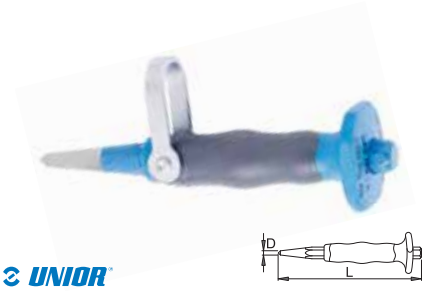
UNIOR

	L	B		
626289	160	18	0,099	56.72

642/6HS-H

Punctator cu maner de protectie cu inel pentru carabiniera

- *material: crome vanadium*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *maner ergonomic rezistent bimaterial*
- *in concordanta cu standard DIN 7250*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*



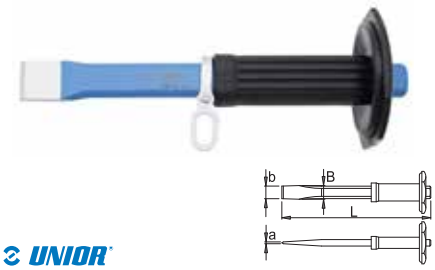
UNIOR

	D	L			
626342	5	120	12	0,083	84.75

660/6HS-H

Dalta lata cu maner de protectie cu inel pentru carabiniera

- *material: crome vanadium*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *executie conform standardului DIN 6453*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*



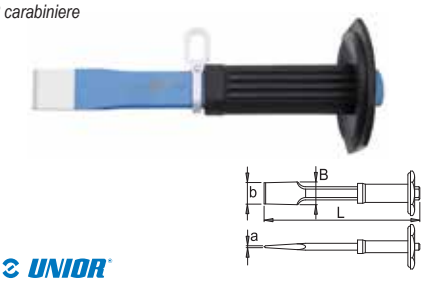
UNIOR

	L	a x b	B		
626195	250	26 x 4	24	0,615	151.64

666/6AHS-H

Dalta lata cu maner de protectie cu inel pentru carabiniera

- *material: crome vanadium*
- *forjata*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*



UNIOR

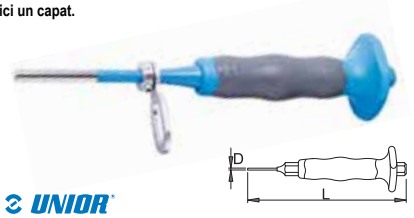
	L	a x b	B		
626196	240	28 x 3	28	0,459	142.62

641/6HS-H

Dorn cu maner de protectie cu inel pentru carabiniera

- *material: crome vanadium*
- *tratat complet*
- *capatul tratat prin inductie*
- *acoperire: vopsire*
- *maner ergonomic rezistent bimaterial*
- *in concordanta cu standard DIN 6450*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*

Uneltele pentru lucru la inaltime UNIOR au fost proiectate pentru a pastra functiile de baza, ergonomia si utilitatea instrumentelor, sau pentru a le reduce in cea mai mica masura posibila.
Glisarea inelului metalic nu impiedica utilizarea instrumentului la nici un capat.



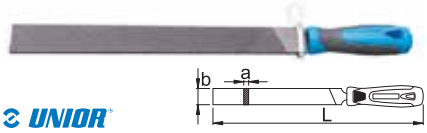
UNIOR

	D	L			
626327	2	150	10	0,081	79.51
626328	3	150	10	0,076	79.51
626329	4	150	10	0,079	79.51
626330	5	150	10	0,083	79.51
626331	6	150	10	0,086	79.51
626332	8	150	12	0,099	81.97

760HB-H

Pila lata bastard cu maner cu inel pentru carabiniera

- *material: otel inalt aliat*
- *toate pilele au dubla taiere*
- *inel metalic nituit, care nu este detasabil*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*



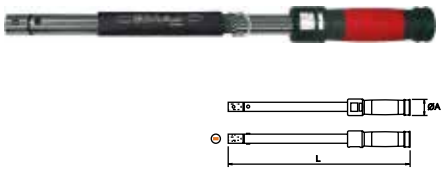
UNIOR

		L	a x b		
626260	300	425	6,5 x 30	2,300	117.21

AD562227 NOU

Cheie dinamometrica cu capete interschimbabile cu inel pentru carabiniera

- *angrenajul capului cu clichet este fabricat din Cr-V pentru rezistenta maxima*
- *afisaj dublu, mai mare si mai vizibil pentru o reglare a cuplului mai precisa si precisa*
- *scara Nm, lb.ft si Lb.in.*
- *maner ergonomic antiderapant*
- *sistem de blocare tip push*
- *cap reversibil cu clichet cu manetă de viteza*
- *acoperire: cromare oglinda*
- *cutie de transport individuala*
- *acuratete: 3%*



EGA Master ART IN INNOVATION

DROPS ACO

				L	A		
AD562227	9x12	25-125	20-90 lb.ft	420	38	800	2133.24
AD562497	14x18	65-335	50-250 lb.ft	520	44	1500	2782.99

AD651457 NOU

Nivele din aluminiu cu magnet 400 mm cu inel pentru carabiniera

- *ideala pentru lucrari de nivelare si constructii cu cea mai inalta precizie de nivelare, precum si in munca de acasa, cum ar fi amplasarea unui raft, a unui cadru.*
- *fabricate din aluminiu, oferind rezistenta si usurinta maxima*
- *modele cu baza magnetica pentru aderenta pe suprafete metalice*
- *modele cu 3 fiole anti-soc de inaltă vizibilitate si precizie*
- *accuratete: 1 mm/m*

MAGNET



EGA Master ART IN INNOVATION

DROPS ACO

AD651457	400	0,280	182.60

AD651487 NOU

Nivele din aluminiu 300 mm cu inel pentru carabiniera

- *ideala pentru lucrari de nivelare si constructii cu cea mai inalta precizie de nivelare, precum si in munca de acasa, cum ar fi amplasarea unui raft, a unui cadru.*
- *fabricate din aluminiu, oferind rezistenta si usurinta maxima*
- *modele cu baza magnetica pentru aderenta pe suprafete metalice*
- *modele cu 3 fiole anti-soc de inaltă vizibilitate si precizie*
- *accuratete: 1 mm/m*



EGA Master ART IN INNOVATION

DROPS ACO

AD651487	300	0,150	137.24

AD637427 NOU

Bomfaier pentru panza de 300 mm cu inel pentru carabiniera

- *fierastrau profesional avand cadrul din aliaj de aluminiu*
- *mecanism de întindere pentru înlocuirea usoara a panzei*
- *posibilitatea prinderii panzei chiar si sub un unghi de 45°*
- *panza de rezerva, latimea de 12 mm*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*



EGA Master ART IN INNOVATION

DROPS ACO

		L	a x b		
AD637427	300	425	25x15	2,300	426.91

AD790577

Foarfeca universala izolata la 1000 V cu inel pentru carabiniera

1000V IEC 60900

- *fara bresa*



	L		
AD790577	160	0.098	389.82

AD790587

Foarfeca universala izolata la 1000 V cu inel pentru carabiniera

1000V IEC 60900

- *cu bresa ingusta*

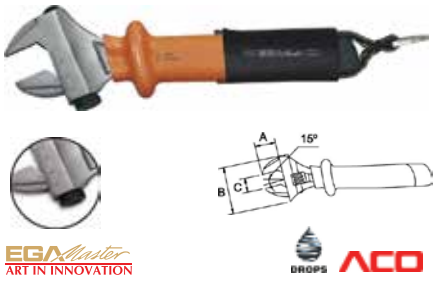


	L		
AD790587	160	0.098	389.82

NOU

Cheie reglabila TITACROM® izolata la 1000 V cu rola laterala inel si pentru carabiniera

1000V IEC 60900



	L (mm)	L (inch)		
AD765787	150	6	0.200	421.21
AD765807	250	10	0.600	559.03
AD765817	300	12	1.000	745.92

AD730297

Minibomfaier izolat la 1000 V cu inel pentru carabiniera

1000V IEC 60900

- *cu panza 150 mm 6 TPI*



	L	TPI		
AD730297	150	6	0.500	629.01

AD790597

Foarfeca universala izolata la 1000 V cu inel pentru carabiniera

1000V IEC 60900

- *cu bresa larga*



	L		
AD790597	160	0.098	425.67

NOU

Cheie reglabila TITACROM® izolata la 1000 V cu rola laterala inel si pentru carabiniera

1000V IEC 60900

- *proiectata pentru lucrul sub tensiune sau in vecinatatea instalatiilor sub tensiune*
- *izolatia PVC ofera aderenta maxima si siguranta impotriva eventualelor evenimente neprevazute.*
- *marcaj cu laser de nesters*



	L (mm)	A	B	C	D		
AD794727	300	40	120	38	14	0.980	1371.13

AD730307

Bomfaier izolat la 1000 V cu inel pentru carabiniera

1000V IEC 60900

- *cu panza 300 mm 12 TPI*



	L	TPI		
AD730307	300	12	0.600	1469.28

Cheie reglabila TITACROM® izolata la 1000 V cu inel pentru carabiniera

1000V IEC 60900

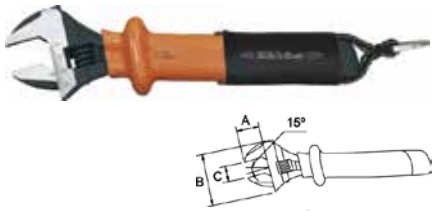


	L (mm)	L (inch)		
AD765507	150	6	0.215	262.82
AD765517	200	8	0.375	297.61
AD765527	250	10	0.611	367.09
AD765537	300	12	0.953	472.19

NOU

Cheie reglabila fosfatata izolata la 1000 V cu inel pentru carabiniera

1000V IEC 60900



	L (mm)	L (inch)		
AD765547	150	6	0.220	252.74
AD765557	200	8	0.420	285.46
AD765567	250	10	0.670	352.06
AD765577	300	12	1.005	451.86

Cleste reglabil pentru tevi, izolat la 1000V pentru lucru la inaltime

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



	L (mm)	L (inch)		
AD767587	200	8"	0.400	**411.63**
AD767597	250	10"	0.900	**538.45**
AD767607	300	12"	1.400	**607.44**
AD767617	350	14"	1.700	**673.54**
AD767627	400	18"	2.500	**1059.06**

AD732577

Cleste pentru sertizat conectori izolati si neizolati, izolat la 1000 V cu inel pentru carabiniera

- *capacitate: 1,5-6 mm²*



	L	mm²		
AD732577	230	1,5-6	0.220	**536.80**

Cleste taiat buloane, izolat la 1000V pentru lucru la inaltime

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



	L (mm)	L (inch)		
AD730207	450	18	1600	**2101.93**
AD730217	600	24	2700	**2368.88**

AD765897

Cleste cu varfuri late izolat la 1000 V cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu DIN 5745*





	L	A	B	C		
AD765897	160	55	8.5	40	0.170	**536.80**

AD765907

Cleste cu varfuri rotunde izolat la 1000 V cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*



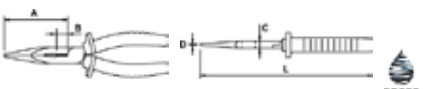


	L	A	B	C	D		
AD765907	160	41	2	10	39	0.181	**340.82**

Cleste telefonie TITACROM® izolat la 1000 V cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu DIN 5745*



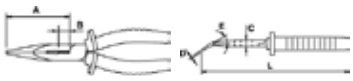


	L	A	B	C	D	E		
AD765917	160	48	12	9.5	2.3	50	0.170	**365.69**
AD765927	200	70	14	10.5	2.6	80	0.250	**400.47**

Cleste telefonie TITACROM® izolat la 1000 V cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu DIN 5745*





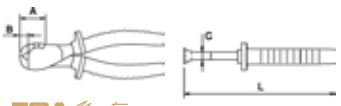
	L	A	B	C	D	E		
AD765937	160	41	12	9	2.7	32°	0.160	**377.34**
AD765947	200	65	14	11	3.3	32°	0.263	**400.31**

AD765997

Cleste tais frontal TITACROM® izolat la 1000 V cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu DIN 5748*



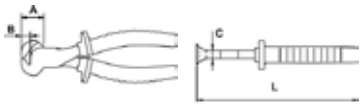


	L	A	B	C	D		
AD765997	160	27	9.0	11	9.0	0.250	**377.26**

Cleste tais fata TITACROM® izolat la 1000 V cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu DIN 5745*





	L	A	B	C	D		
AD766007	160	20	9	11	19	0.250	**411.88**
AD766027	200	22	11	14	19	0.450	**457.81**

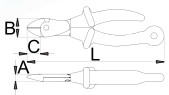


466/1VDEDP-H

Cleste tais lateral pentru conditii grele izolat la 1000 V cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5746 si EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





UNIOR

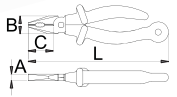
	L	A	B	C		
626964	180	11	28	21	303	185.90

406/1VDEDP-H

Cleste combinat izolat la 1000 V cu inel pentru carabiniera

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie*
- *cap polizat*
- *finisare: cromat in conformitate cu standardul EN12540*
- *in conformitate cu standardul ISO 5746 si EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*
- *inelele de pe uneltele sunt suficient de mari pentru a accepta 2 carabiniere*





UNIOR

	L	A	B	C		
626963	180	10	27	38	269	185.90

AD730887

Cleste pentru dezizolat cabluri, izolat la 1000 V cu inel pentru carabiniera



	Ø (mm)		
AD730887	25-45	0.550	5918.36

AD732487

Cleste contor izolat la 1000 V cu inel pentru carabiniera

- *proiectat pentru montarea si blocarea contoarelor*



	A		
AD732487	150	0.210	282.98

AD732497

Clema izolata la 1000 V cu inel pentru carabiniera

- *proiectat pentru mentinerea covoraselor izolatoare in pozitie*



	L		
AD732497	150	0.076	196.97

AD730357

Cutter drept izolat la 1000 V cu inel pentru carabiniera



	A		
AD730357	170	0.111	365.19

AD730367

Cutter curbat izolat la 1000 V cu inel pentru carabiniera



	A		
AD730367	180	0.102	396.18

AD730047

Cleste reglabil izolat la 1000 V cu inel pentru carabiniera



	A		
AD730047	10"	0.445	554.73

AD761477

Cleste cabluri izolat la 1000 V cu inel pentru carabiniera



	L		
AD761477	150	0.242	339.91

AD730087

Cleste cabluri izolat la 1000 V cu inel pentru carabiniera



	L		
AD730087	250	0.503	554.32

AD730097

Cleste cabluri izolat la 1000 V cu inel pentru carabiniera



	L		
AD730097	600	1850	2898.99

Cleste cu clichet pentru taiat cabluri, izolat la 1000V pentru lucru la inaltime

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *partile taietoare tratate prin inductie in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



	L (mm)	Ø (mm)		
AD730107	260	32	720	2556.11
AD730117	380	52	1100	3946.07

AD761457 NOU

Foarfeca pentru tevi plastic, izolata la 1000 V cu inel pentru carabiniera

- *designul special patentat al lamei si geometria precisa a unghiului de atac fac din taietorul de tevi din plastic EGA Master Piraina® cel mai versatil instrument pentru taierea PE, PP, PB, VPE, PVDF, PEX, tevi multistrat, chiar si tevi rigide din PVC , fara risc de rupere a conductei*
- *capabil sa taie tevi din: Kevlar, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, Multistrat*



	Ø (mm)		
AD761457	65	0.600	1391.04

AD730427

Cleste pentru inele plastic, izolat la 1000 V cu inel pentru carabiniera

- *ideal in industria automobilelor, aviatiei, medicala, electricitatii si a retelelor in care utilizarea foarfecelor sau a cutitelor poate deteriora involuntar cablurile si poate suporta probleme grave de siguranta si costuri de reparatie*
- *permite taierea cablurilor de pana la 10 mm in diametru*



	L (mm)		
AD730427	150	0.100	370.40

NOU

Chei inelare drepte izolate la 1000 V pentru lucru la inaltime

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*





		L		
AD731457	10	145	0.058	510.11
AD731477	13	160	0.093	585.63
AD731507	17	190	0.150	761.78
AD731527	19	210	0.190	786.82

NOU

Chei inelare inclinate izolate la 1000 V pentru lucru la inaltime

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD731207	8	90	0.026	297.03
AD731217	9	100	0.037	310.58
AD731227	10	110	0.038	323.96
AD731237	11	115	0.050	351.15
AD731247	12	125	0.060	378.08
AD731257	13	135	0.061	405.10
AD731267	14	140	0.088	432.12
AD731277	15	145	0.110	459.14
AD731287	16	150	0.120	485.99
AD731297	17	160	0.136	513.09
AD731307	18	170	0.145	540.02
AD731317	19	175	0.160	567.21
AD731337	21	185	0.210	594.14
AD731347	22	195	0.240	621.24
AD731357	23	210	0.255	648.18
AD731367	24	230	0.275	675.19

Chei fixe izolate la 1000 V pentru lucru la inaltime

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD730867	5,5		0.020	254.23
AD730607	6		0.000	254.23
AD730617	7		0.000	254.23
AD730627	8		0.036	225.48
AD730637	9		0.000	225.48
AD730647	10		0.050	225.48
AD730657	11		0.050	225.48
AD730667	12		0.000	254.23
AD730677	13		0.055	254.23
AD730687	14		0.090	254.23
AD730697	15		0.000	268.69
AD730707	16		0.000	268.69
AD730717	17		0.100	282.98
AD730727	18		0.000	297.03
AD730737	19		0.000	297.03
AD730747	20		0.000	311.32
AD730757	21		0.190	325.62
AD730767	22		0.200	339.91
AD730787	23		0.000	368.50
AD730777	24		0.240	354.12
AD730797	27		0.351	411.38
AD730807	28		0.270	482.93
AD730817	29		0.480	482.93
AD730827	30		0.396	497.14
AD730837	32		0.370	511.44

Chei inelare izolate la 1000 V pentru lucru la inaltime

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD730907	6	140	0.070	269.93
AD730917	7	145	0.000	269.93
AD730927	8	150	0.000	269.93
AD730937	9	155	0.090	283.64
AD730947	10	160	0.000	283.64
AD730957	11	170	0.110	283.64
AD730967	12	180	0.085	283.64
AD730977	13	180	0.130	297.03

		L		
AD730987	14	190	0.000	297.03
AD730997	15	200	0.170	310.58
AD731007	16	200	0.000	310.58
AD731017	17	210	0.200	323.96
AD731027	18	220	0.000	337.60
AD731037	19	220	0.240	364.53
AD731057	21	240	0.000	418.57
AD731067	22	250	0.000	445.42
AD731077	23	260	0.390	472.52
AD731087	24	260	0.390	499.70
AD731097	26	300	0.565	540.02
AD731107	27	310	0.570	540.02
AD731117	28	310	0.580	580.59
AD731127	29	310	0.600	621.24
AD731137	30	330	0.630	648.18
AD731147	32	330	0.645	675.19
AD731157	36	330	0.650	2484.39
AD731167	38	350	1.118	4779.82
AD731177	41	380	1.150	5724.78
AD731187	42	400	1.170	6265.05
AD731197	46	440	1.200	6805.16
AD731047	50	460	1.300	7480.43

NOU

Chei pipa izolate la 1000 V pentru lucru la inaltime

1000V IEC 60900

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



DROPS

EGA Master ART IN INNOVATION

ACO

		L		
AD732037	8	110	0.045	567.21
AD732047	9	110	0.060	580.59
AD732057	10	125	0.085	594.14
AD732067	11	135	0.100	607.61
AD732077	12	145	0.130	621.24
AD732087	13	155	0.160	634.63
AD732097	14	165	0.185	661.73
AD732107	15	170	0.220	688.58
AD732117	16	175	0.230	715.68
AD732127	17	180	0.285	756.08
AD732137	18	190	0.330	796.65
AD732147	19	195	0.430	837.30
AD732157	20	210	0.460	904.56
AD732167	21	220	0.500	972.14
AD732177	22	240	0.630	1039.73
AD732187	23	260	0.685	1066.74
AD732197	24	270	0.735	1134.00
AD732207	25	290	0.810	1215.38
AD732217	26	290	1.000	1269.34
AD732227	27	300	1.080	1336.67
AD732237	28	320	1.130	1404.26
AD732247	29	330	1.310	1539.43
AD732257	30	350	1.550	1674.19
AD732267	32	350	1.150	1809.44

NOU

Chei tubulare cu maner in T izolate la 1000 V pentru lucru la inaltime

1000V IEC 60900

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



DROPS

EGA Master ART IN INNOVATION

ACO

		L		
AD731707	6	125	0.070	610.09
AD731717	7	135	0.085	610.09
AD731727	8	135	0.094	610.09
AD731737	9	135	0.120	651.81
AD731747	10	135	0.140	651.81
AD731757	11	135	0.176	679.74
AD731767	12	135	0.186	679.74
AD731777	13	135	0.220	679.74
AD731787	14	135	0.260	721.30
AD731797	15	135	0.275	721.30
AD731807	16	150	0.292	749.06
AD731817	17	150	0.300	749.06
AD731827	18	150	0.330	776.90
AD731837	19	150	0.362	776.90
AD731847	20	150	0.370	776.90
AD731857	21	150	0.418	860.27
AD731867	22	135	0.435	860.27
AD731877	23	150	0.445	915.96
AD731887	24	150	0.448	957.52

Chei locas hexagonal cu maner in T izolate la 1000 V pentru lucru la inaltime

1000V IEC 60900

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



DROPS

EGA Master ART IN INNOVATION

ACO

		L		
AD793907	5	120x90	0.185	391.63
AD793917	6	120x90	0.185	391.63
AD793927	8	120x90	0.245	391.63
AD793837	10	120x90	0.325	198.96

NOU

Chei locas hexagonal cu maner in L izolate la 1000 V pentru lucru la inaltime

1000V IEC 60900

- *material: compozitie speciala pentru calire revenire*
- *tratat complet*
- *in conformitate cu standardul ISO EN 60900*
- *manerele izolate cu doua straturi de culori diferite care permit o protectie suplimentara*
- *greutatea sculei este marcata pe fiecare scula*



DROPS

EGA Master ART IN INNOVATION

ACO

		L		
AD793707	3	100	0.090	145.83
AD793717	4	110	0.017	149.80
AD793727	5	125	0.050	159.30
AD793737	6	145	0.050	176.73
AD793747	8	165	0.100	190.36
AD793757	10	185	0.170	226.80
AD793767	12	205	0.286	278.03



Surubelnite late izolate la 1000 V pentru lucru la inaltime

1000V IEC 60900

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



DROPS

EGA Master ART IN INNOVATION

ACO

		L		
AD766207	2,5 x 0.4	75	0.041	114.93
AD766217	3.0 x 0.5	100	0.030	116.25
AD766227	4.0 x 0.8	125	0.081	127.65
AD766237	5,5 x 1.0	125	0.110	160.54
AD766247	5,5 x 1.0	150	0.110	163.43
AD766257	6,5 x 1.2	150	0.120	177.89
AD766267	8.0 x 1.2	175	0.175	207.05
AD766277	10 x 1.6	200	0.260	244.23

Surubelnite Phillips izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD766287	PH-0	60	0.030	125.09
AD767387	PH-1	80	0.088	140.62
AD766297	PH-1	100	0.880	142.94
AD766307	PH-2	125	0.105	173.26
AD766317	PH-3	150	0.040	236.55
AD766327	PH-4	200	0.165	294.06

Surubelnite SL/PH izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD791637	PH-1	100	0.074	153.18
AD791647	PH-2	125	0.104	187.06

Surubelnite Pozidrive izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD766337	PZ-0	60	0.070	125.09
AD766347	PZ-1	100	0.088	143.85
AD766357	PZ-2	125	0.105	175.16
AD766367	PZ-3	150	0.170	243.66
AD766377	PZ-4	200	0.210	298.19

Surubelnite TORX® izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD766387	TX 6	50	0.050	146.08
AD766397	TX 7	50	0.050	146.08
AD766407	TX 8	50	0.050	146.08
AD766417	TX 9	75	0.200	146.08
AD766427	TX 10	75	0.050	146.08
AD766437	TX 15	75	0.050	146.08
AD766447	TX 20	100	0.050	158.64
AD766457	TX 25	100	0.050	163.76
AD766467	TX 27	115	0.200	165.08
AD766477	TX 30	125	0.200	171.44
AD766487	TX 40	125	0.200	195.90
AD766497	TX 45	150	0.040	223.74
AD766507	TX 50	175	0.040	236.96

Surubelnite Temper TORX® izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD750377	TT 6	50	0.028	146.08
AD750387	TT 7	50	0.028	146.08
AD750397	TT 8	50	0.028	146.08
AD750407	TT 9	75	0.030	146.08
AD750417	TT 10	75	0.050	146.08
AD750427	TT 15	75	0.050	146.08
AD750437	TT 20	100	0.072	158.64
AD750447	TT 25	100	0.073	163.76
AD750457	TT 27	115	0.100	165.08
AD750467	TT 30	125	0.103	171.44
AD750477	TT 40	125	0.165	195.90
AD750487	TT 45	150	0.180	223.74
AD750497	TT 50	175	0.240	236.96

Surubelnite imbus izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD747107	2,5	75	0.050	142.52
AD747117	3	.75	0.050	147.81
AD747127	4	100	0.050	160.95
AD747137	5	100	0.100	168.88
AD747147	6	125	0.100	183.51
AD747157	8	150	0.200	212.01

Surubelnite cap tubular izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD746987	4	150	0.100	198.38
AD746997	5	150	0.120	211.60
AD747007	5,5	150	0.093	211.60
AD747017	6	160	0.120	211.60
AD747027	7	175	0.120	232.09
AD747037	8	175	0.130	245.72
AD747047	9	175	0.130	248.70
AD747057	10	175	0.180	252.83
AD747067	11	175	0.235	282.90
AD747077	12	175	0.170	290.83
AD747087	13	175	0.230	316.69
AD747097	14	175	0.180	338.09

AD586417

Lanterna de buzunar si inel pentru sistem anticadere



	LED	LUMENI	L		
AD586417	CREE XPG	100	150	0,057	572.49

Surubelnite electrician late izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD767307	2,5 x 0.4	60	0.035	**100.63**
AD767317	3.0 x 0.4	60	0.025	**101.63**
AD766517	3.0 x 0.5	100	0.040	**105.51**
AD766527	4.0 x 0.8	125	0.090	**112.28**
AD766537	5.0 x 1.0	150	0.085	**121.46**
AD766547	6.0 x 1.2	150	0.105	**150.46**
AD767327	8.0 x 1.2	175	0.210	**171.28**
AD767337	10 x 1.6	200	0.270	**201.19**

50935

Suport de scule cu 7 buzunate si inele pentru sistem anticadere



	Buzunare		
50935	7	0,450	**330.57**

50934

Suport de scule cu 14 buzunate si inele pentru sistem anticadere



	Buzunare		
50934	14	0,500	**357.01**

Surubelnite electrician Phillips izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD766557	PH-0	60	0.040	**113.69**
AD766567	PH-1	100	0.075	**133.27**
AD766577	PH-2	125	0.090	**158.88**
AD766587	PH-3	150	0.140	**188.63**
AD767357	PH-4	200	0.185	**210.03**

Surubelnite electrician Pozidrive izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD766597	PZ-0	60	0.040	**123.44**
AD766607	PZ-1	100	0.075	**149.30**
AD766617	PZ-2	125	0.090	**186.48**
AD766627	PZ-3	150	0.150	**233.08**
AD767367	PZ-4	200	0.250	**261.50**

50997

Centura de scule cu 21 buzunate si 35 inele pentru sistem anticadere

- *lungime: 32-44 inch*
- *capacitate maxima: 15 kg*
- *numar de inele: 35*
- *numar de buzunare: 21*



	Buzunare		
50997	21	1200	**1112.19**

Surubelnite electrician late MICROTRONIC izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD751567	1,5 x 0.23	40	0.010	**110.38**
AD751577	1,8 x 0.30	60	0.011	**110.38**
AD751587	2.0 x 0.4	60	0.012	**110.38**
AD751597	2,5 x 0.4	75	0.012	**110.38**
AD752017	3.0 x 0.5	75	0.016	**110.38**

Surubelnite electrician Phillips MICROTRONIC izolate la 1000 V pentru lucru la inaltime

- *lama:otel crom vanadium molibden tratata integral*
- *capat brunat*
- *maner: forma ergonomica*
- *in conformitate cu standardul ISO EN 60900*
- *greutatea sculei este marcata pe fiecare scula*



		L		
AD752027	PH-00	75	0.014	**107.74**
AD752037	PH-0	75	0.016	**107.74**

50933

Centura pentru suporturi scule

- *lungime: 135 mm*



	L		
50933	1350	0.260	**243.66**

Accesorii centura pentru suporturi scule



	inele	capacitate		
50998	1	3.0 kg	0.010	**76.76**
50999	2	3.0 kg	0.030	**82.95**

1107

Centura de scule

- *trei puncte de inchidere / securizare*
- *centura reglabila la max. 114 cm / 45 "*
- *incarcare maxima de 30 kg*
- *6 inele metalice*
- *confortabil cand este incarcat*
- *nu este adecvat pentru protectia personala*



UNIOR LEADINGEDGE The Height Safety Company

	L max		
627332	114	0,280	687.54

1108DS

Cordon elastic cu inele TL-E-DS

- *incarcare maxima de 5 kg*
- *elastic: se intinde pana la 1,9 m*
- *inel de metal rotativ pe capatul de lucru*
- *nu este adecvat pentru protectia personala*



UNIOR LEADINGEDGE The Height Safety Company

		L	L1		
627333	1 m / 5 kg	1000	1900	0,132	287.54

1108DB

Cordon elastic cu inel si siret TL-E-DB

- *incarcare maxima de 5 kg*
- *elastic: se intinde pana la 1,9 m*
- *siret de prindere pe un capat, adecvat pentru utilizarea cu unelte izolate*
- *nu este adecvat pentru protectia personala*



UNIOR LEADINGEDGE The Height Safety Company

		L	L1		
627334	1 m / 5 kg	1000	1900	0,098	265.57

1109

Carabina cu inel de blocare

- *finisare: zincare*
- *cu inel de blocare*
- *carabiniera 6 x 60 nu se utilizeaza cu unelte peste 0,8 kg*
- *nu este adecvata pentru protectia personala*



UNIOR LEADINGEDGE The Height Safety Company

627336	6 x 60	0,030	13.28
627337	8 x 80	0,065	22.30

1108DD

Cordon elastic cu inel si siret TL-E-DD

- *incarcare maxima de 5 kg*
- *elastic: se intinde pana la 1,9 m*
- *inele metalice la ambele capete*
- *nu este adecvat pentru protectia personala*



UNIOR LEADINGEDGE The Height Safety Company

		L	L1		
627335	1 m / 5 kg	1000	1900	0,108	265.57

1110

Dispozitiv retractabil de sustinere

- *lungime pana la 107 cm / 42 "*
- *incarcare maxima de 1,6 kg*
- *forta de retragere 0,2 kg*
- *retragere preventiva*
- *nu este adecvat pentru protectia personala*



UNIOR LEADINGEDGE The Height Safety Company

627338	1070	1,07 m / 1,6 kg	0,091	1012.13

66078

Dispozitiv retractabil de sustinere

- *adaptabil la locul de muca ofera utilizatorului mobilitate totala cu sculele*
- *buton de blocare permite utilizatorului ajustarea la orice lungime (max. 1 m)*
- *lungime maxima extisa 1.5 m*
- *toate dispozitivele sunt testate la cadere libera, cadere pendulara, si incarcare statica*



EGA Master ART IN INNOVATION ACO DROPS

66078	1500	1,0 m / 0,9 kg	0,160	557.62

66062

Dispozitiv retractabil de sustinere cu carabiniere din otel

- *adaptabil la locul de muca ofera utilizatorului mobilitate totala cu sculele*
- *buton de blocare permite utilizatorului ajustarea la orice lungime (max. 1 m)*
- *lungime maxima extisa 1.4 m*
- *toate dispozitivele sunt testate la cadere libera, cadere pendulara, si incarcare statica*



EGA Master ART IN INNOVATION ACO DROPS

66062	1400	1,0 m / 0,9 kg	0,190	643.55

66143

Cordon absorbant soc cu carabiniere rezistent UV

- *lungime pana la 1200 mm*
- *incarcare maxima de 3 kg*



EGA Master ART IN INNOVATION ACO DROPS

	L	L	Capacitate		
66143	700	1200	3.0 kg	0,140	308.18

66118

Cordon absorbant soc cu siret rezistent UV

- *lungime pana la 1500mm*
- *incarcare maxima de 3 kg*



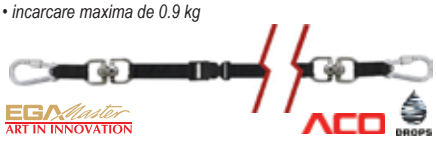
EGA Master ART IN INNOVATION ACO DROPS

	L	L	Capacitate		
66118	980	1500	3.0 kg	0,085	246.30

66112

Cordon absorbant soc cu carabiniere pivotante rezistent UV

- *lungime pana la 1700 mm*
- *incarcare maxima de 0.9 kg*



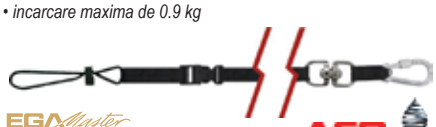
EGA Master ART IN INNOVATION ACO DROPS

	L	L	Capacitate		
66112	1000	1700	0.9 kg	0,135	164.17

66113

Cordon absorbant soc cu siret si carabiniera pivotanta rezistent UV

- *lungime pana la 1500 mm*
- *incarcare maxima de 0.9 kg*



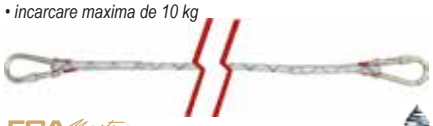
EGA Master ART IN INNOVATION ACO DROPS

	L	L	Capacitate		
66113	880	1500	0.9 kg	0,080	191.77

66105

Funie cu carabiniere de ancorare

- *lungime pana la 500 mm*
- *incarcare maxima de 10 kg*



EGA Master ART IN INNOVATION ACO DROPS

	L	L	Capacitate		
66105	500	500	10 kg	0,350	356.02

66063

Accesoriu dispozitiv retractabil



EGA Master ART IN INNOVATION ACO DROPS

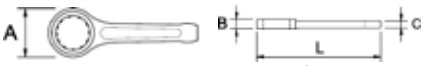
	L		
66063	240	0,015	69.49

Cheie inelara de soc cu inel de siguranta, antiex, pentru lucrul la inaltime

- *material: Cu-Be*
- *reduce slabirea si mareste frecarea asupra surubului, datorita inelului sau de siguranta, nu necesita a fi tinut cu mainile evitand ranile la impact.*
- *cheia nu cade deoarece este tinută de snurul de siguranta*
- *este necesar un singur operator pentru utilizarea in siguranta a acestuia (evitand utilizarea de doi operatori, ceea ce se intamplă de obicei)*







EGA Master ART IN INNOVATION — DROPS — ACO

		L	A	B	C		
AD360987	22	165	42	14	8,5	0.200	**1594.13**
AD360997	24	165	42	14	8,5	0.200	**1622.22**
AD361007	25	165	42	14	8,5	0.200	**1649.98**
AD361017	26	165	46	16	9,5	0.300	**1649.98**
AD360747	27	175	46	16	9,5	0.300	**1649.98**
AD361027	28	175	46	16	9,5	0.400	**1687.16**
AD361037	29	185	53	16	10,5	0.400	**1724.59**
AD360757	30	185	53	16	10,5	0.400	**1761.77**
AD361047	31	185	53	16	10,5	0.400	**1817.87**
AD360767	32	185	53	16	10,5	0.400	**1817.87**
AD361057	33	185	53	16	10,5	0.500	**2027.65**
AD361067	34	200	58	19	11	0.500	**2237.26**
AD361077	35	200	58	19	11	0.600	**2237.26**
AD360777	36	200	58	19	11	0.600	**2237.26**
AD361087	37	200	58	19	11	0.600	**2711.02**
AD361097	38	220	64	20	12	0.600	**2711.02**
AD361107	39	220	64	20	12	0.700	**3132.65**
AD361117	40	220	64	20	12	0.700	**3272.12**
AD361127	41	220	64	20	12	0.700	**3272.12**
AD361137	42	220	64	20	12	0.700	**3775.29**
AD361147	43	230	64	20	12	0.700	**3775.29**
AD361157	44	230	73	22	13	0.800	**3775.29**
AD361167	45	230	73	22	13	0.800	**3775.29**
AD361177	46	230	73	22	13	0.900	**3775.29**
AD361187	47	240	73	22	13	0.900	**4264.83**
AD361197	48	240	78	23	13,5	0.900	**4264.83**
AD361207	49	240	78	23	13,5	0.900	**4264.83**
AD361217	50	250	78	23	13,5	1.000	**4264.83**
AD361227	51	250	78	23	13,5	1.100	**4458.09**
AD361237	52	250	78	23	13,5	1.300	**4518.24**
AD361247	53	260	86	23,5	14	1.300	**4578.47**
AD361257	54	260	86	23,5	14	1.300	**4638.70**
AD361267	55	260	86	23,5	14	1.300	**4699.02**
AD361277	56	260	86	23,5	14	1.300	**4879.88**
AD361287	57	260	86	23,5	14	1.400	**4939.94**
AD361297	58	270	92	25,5	15	1.400	**5000.26**
AD361307	59	270	92	25,5	15	1.400	**5060.33**
AD361317	60	270	92	25,5	15	1.500	**5120.72**
AD361327	61	270	92	25,5	15	1.500	**5201.78**
AD361337	62	270	92	25,5	15	1.500	**5369.58**
AD361347	63	300	102	28	16	1.500	**5537.47**
AD361357	64	300	102	28	16	1.500	**5705.20**
AD361367	65	300	102	28	16	1.800	**5872.67**
AD361377	66	300	102	28	16	1.800	**5964.22**
AD361387	67	300	108	31,5	17	2.200	**6024.45**
AD361397	68	320	108	31,5	17	2.200	**6867.70**
AD361407	69	320	108	31,5	17	2.200	**6988.25**
AD361417	70	320	108	31,5	17	2.200	**7108.71**
AD361427	71	320	108	31,5	17	2.200	**7229.18**
AD361437	72	320	108	31,5	17	2.200	**7470.27**
AD361447	73	330	113	33	18	2.700	**7590.57**
AD361457	74	330	113	33	18	2.700	**7711.12**
AD361467	75	330	113	33	18	2.900	**7831.75**

Baros antiex Al-Bron cu coada hyckory pentru lucru la inaltime

- *material: Al-Bron*
- *duritate: 229-291 Brinell*



EGA Master ART IN INNOVATION — DROPS — ACO

		L		
AD358867	3000	900	3.000	**2958.07**

Baros antiex Cu-Be cu coada din fibra de sticla pentru lucru la inaltime

- *material: Cu-Be*
- *duritate: 283-365 Brinell*
- *barosele EGA Master au fost proiectate pentru operatiuni de lovire in medii potential explozive, cum ar fi industria constructiilor navale, intretinerea fabricilor industriale si petrochimice.*
- *sunt o solutie ideala pentru operatiuni de lovire in medii potential explozive.*





Modele cu maner din fibra de sticla ultrarezistenta si zona exterioara din PP si TPR pentru rezistenta si aderenta maxima.

EGA Master ART IN INNOVATION — DROPS — ACO

		L		
AD705047	2000	370	2.220	**3018.38**
AD705067	3000	900	3.950	**4283.42**
AD705087	5000	900	6.300	**7115.16**





SCULE ANTI-EXPLOZIE

Categorii produse

Chei, Clesti, Surubelnite, Capete chei tubulare si accesorii, Foarfeci tabla, Ciocane, Cutite si topoare, Lopeti si tarnacoape, Spacluri si raschete, Dalti, dornuri, punctatoare, Ace de trasat, Leviere, Perii sarma, Fierastraie, Palane, Menghine de banc, nicovale si prese, Seturi scule, Truse scule

Aplicatii

Industria chimica, Industria petrochimica, Industria farmaceutica, Industria hartiei, Industria alcoolului, Industria vopselei si emailului, Industria cernelii, Rafinarii, Fabrici de munitie, Industria nucleara, Telecomunicatii, Companii de electricitate, Industria electronica, Marina.

Intretinere

Sculele antiex pot capata deformari usoare din cauza uzurii sau a folosirii incorecte. Deformarile se indeparteaza prin reascutirea celor doua fete a partilor ascutite a sculelor, prin pilire, polizare sau reascutire. Reascutirea prin polizare se face sub jet de apa, evitand incalzirea sculelor la peste 200 grade C. Supraincalzirea va afecta duritatea sculelor si le va face inutilizabile.

METALMINOTTI
COOPER AND UNCONVENTIONAL COOPER ALLOYS

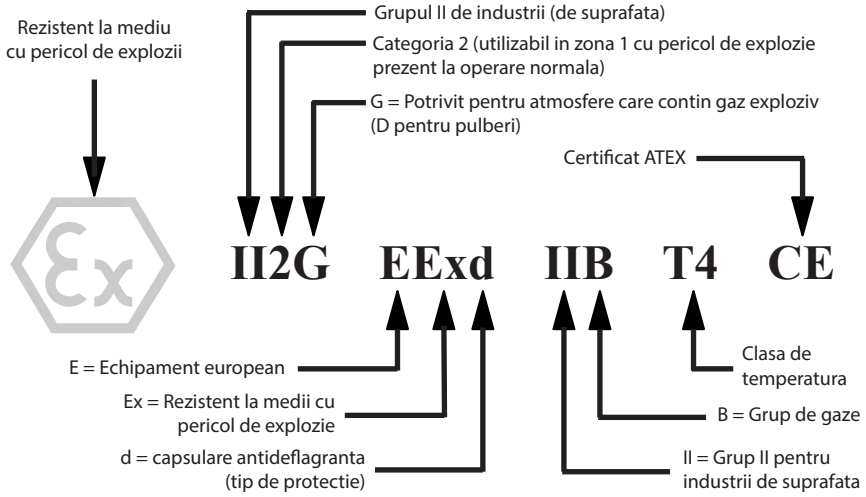
EGA Master
ART IN INNOVATION

AMPCO
SAFETY TOOLS®

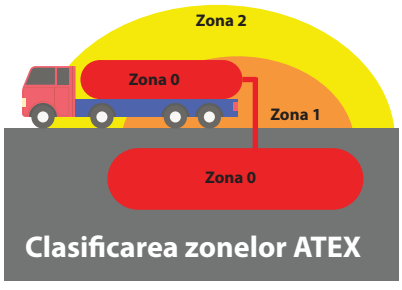
(ATmosfere EXplozibile - 94/9/EC)
standardul european ce reglementeaza conditiile de utilizare a echipamentelor in zone cu pericol de explozie

Clasificare a zonelor de pericol i aloc rii categoriilor de echipament pentru zonele relevante			
Pericol	**Pericol permanent** (> de 1000 ore/an)	**Pericol prezent la operarea normala** (intre 10 si 1000 ore/an)	**Pericol prezent rar** (<10 ore/an)
Gaze	ZONA 0	ZONA 1	ZONA 2
Praf	ZONA 20	ZONA 21	ZONA 22
Categorie echipament	1	2	3

In baza ATEX, eticheta de identificare a produsului (Device ID) trebuie sa contina informatii despre zonele, cu pericol potential de explozie, unde se impune a fi utilizat (categoria de produs):



Gruparea gazelor	
Gaz tipic/material	**Grup gaz**
Metan	I
Acetilena	IIC
Hidrogen	IIC
Etilena	IIB
Propan	IIA
Pulbere metalica	-
Pulbere de carbune	-
Pulbere de cereale	-



Zona 0 - interiorul cisternei
Zona 1 - zona de productie
Zona 2 - zona de depozitare

Zona cu pericol de explozie

Substantele periculoase sunt acele substante utilizate sau prezente care, daca nu sunt controlate corespunzator, pot sa conduca la ranirea oamenilor ca urmare a unui incendiu sau a unei explozii. Atmosfera potenaial exploziva este creata atunci cand apare posibilitatea unei explozii, ca urmare a realizarii unui amestec gaz/aer, vapori/aer, praf/aer sau alte combinatii inflamabile. O explozie reprezinta o reactie chimica brusca a unui material inflamabil cu oxigenul insotita de eliberarea unei cantitati mari de energie. Pentru a se produce un incendiu sau o explozie trebuie sa existe 3 conditii:
1. Material inflamabil (în cantitati suficiente) 2. Oxigen (in aer) 3. Sursa de aprindere
Materiale inflamabile pot fi prezente sub forma de gaze, vapori sau praf în medii de extractie, manipulare si depozitare combustibili, de utilizare solventi inflamabili, stocare de produse inflamabile precum vopsele, fabricare si distribuire de pulberi (ex. faina) etc.
Protectia primara – se refera la toate precautiile necesare pentru prevenirea crearii unei atmosfere explozive. Aceasta se poate obtine prin evitarea utilizarii substantelor inflamabile, limitarea concentratiilor, ventilare naturala sau artificiala, etc.
Protectia secundara – sunt masurile de prevenire a aprinderii unei atmosfere explozive (eliminarea surselor de aprindere), daca pericolul de explozie nu poate fi complet sau macar partial înlaturat prin masurile de protectie primare.

Cod T	Temperatura maxima a suprafetei
T1	450°C
T2	300°C
T3	200°C
T4	135°C
T5	100°C
T6	85°C

Clase de temperatura

Temperatura de aprindere a unui gaz sau lichid inflamabil este cea mai joasa temperatura a suprafetei in contact la care se produce aprinderea amestecului gaz/aer sau vapori/aer. Gazele si vaporii inflamabili se pot clasifica in clase de temperatura prin utilizarea temperaturilor de aprindere.Temperatura maxima a suprafetei aparatelor electrice trebuie sa fie intotdeauna mai mica decat temperatura de aprindere specifica mediului unde se utilizeaza. Desigur ca echipamentele dintr-o clasa superioara de temperatura (ex. T5) pot fi utilizate în aplicaaii unde sunt necesare echipamente dintr-o clasa de temperatura mai joasa (ex. T3).

Chei 971
Capete chei tubulare 979
Chei reglabile si pentru instalatii 992
Dispozitive taiat tevi 992
Clesti 993
Pensete 996
Foarfeci 996
Bomfaiere si fierastraie 996
Burghie 997
Cutite 997
Surubelnite 997
Pile 998
Chei dinamometrice 999
Ciocane 999
Spacluri si raclete 1005
Leviere 1007
Dalti, dornuri, punctatoare 1007
Topoare 1009
Lopeti si greble 1010
Unelte constructii 1011
Menghine 1012
Perii 1013
Truse scule 1014
Scule antiex izolate la 1000 V 1016
Lanterne 1018

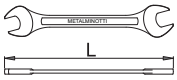
001

Cheie fixa dubla dreapta

• *material: MZW*



METALMINOTTI



		L		
001 0607	6 x 7	125	50	170.49
001 0809	8 x 9	145	50	177.05
001 1011	10 x 11	160	75	183.61
001 1213	12 x 13	175	100	190.16
001 1415	14 x 15	210	220	196.72
001 1417	14 x 17	210	220	203.28
001 1617	16 x 17	210	300	209.84
001 1719	17 x 19	225	300	236.07
001 1819	18 x 19	225	300	249.18
001 1922	19 x 22	245	300	275.41
001 2022	20 x 22	245	300	288.52
001 2123	21 x 23	245	300	301.64
001 2224	22 x 24	245	350	314.75
001 2426	24 x 26	270	600	340.98
001 2427	24 x 27	270	600	393.44
001 2528	25 x 28	270	600	459.02
001 2729	27 x 29	270	600	524.59
001 2730	27 x 30	270	600	590.16
001 2732	27 x 32	305	800	655.74
001 3032	30 x 32	305	800	721.31
001 3036	30 x 36	330	1150	786.89
001 3236	32 x 36	330	1150	918.03
001 3538	35 x 38	340	1300	1049.18
001 3638	36 x 38	360	1350	1114.75
001 3641	36 x 41	360	1350	1180.33
001 4146	41 x 46	380	1400	1311.48
001 4650	46 x 50	410	1700	1442.62
001 5055	50 x 55	470	2300	1967.21
001 5560	55 x 60	570	5200	3278.69
001 6065	60 x 65	570	5200	3672.13

001-KIT

NOU

Set chei fixe duble drepte 6-22 mm / 8 piese

• *material: MZW*



METALMINOTTI

		L		
001-KIT	6 - 22 / 8	290	1000	1731.15

001 (6x7, 8x9, 11x12, 13x14, 15x16, 16x17, 18x19, 20x22)

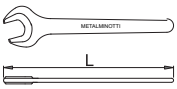
002

Cheie fixa simpla

• *material: MZW*



METALMINOTTI



		L		
002 0006	6	110	30	183.61
002 0007	7	110	30	183.61
002 0009	9	110	40	183.61
002 0010	10	110	40	196.72
002 0011	11	110	50	196.72
002 0012	12	125	50	196.72
002 0013	13	140	100	209.84
002 0014	14	140	100	222.95
002 0015	15	140	100	236.07
002 0016	16	140	100	262.30
002 0017	17	155	150	288.52
002 0018	18	155	150	327.87
002 0019	19	155	150	367.21
002 0020	20	155	150	393.44
002 0021	21	215	200	432.79
002 0022	22	215	300	472.13
002 0024	24	215	300	511.48
002 0026	26	215	300	537.70
002 0027	27	240	400	577.05
002 0030	30	240	500	721.31
002 0032	32	240	600	852.46
002 0036	36	240	900	983.61
002 0038	38	240	900	1114.75
002 0041	41	335	1100	1245.90
002 0046	46	410	1300	1311.48
002 0050	50	410	1400	1836.07
002 0055	55	410	2000	2163.93
002 0060	60	600	3400	2557.38
002 0065	65	600	3400	2754.10

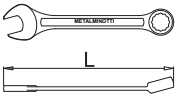
023

Cheie combinata

• *material: MZW*



METALMINOTTI



		L		
023 0010	10	150	60	222.95
023 0011	11	150	70	236.07
023 0012	12	190	110	249.18
023 0013	13	190	110	262.30
023 0014	14	190	110	275.41
023 0015	15	210	200	288.52
023 0016	16	210	200	301.64
023 0017	17	210	200	314.75
023 0018	18	230	220	327.87
023 0019	19	230	220	340.98
023 0020	20	255	220	354.10
023 0021	21	255	350	367.21
023 0022	22	255	350	380.33
023 0023	23	255	350	393.44
023 0024	24	270	400	459.02
023 0027	27	280	500	524.59
023 0030	30	300	650	983.61
023 0032	32	310	650	1114.75
023 0036	36	330	850	1377.05
023 0041	41	405	2000	1770.49
023 0046	46	405	2000	2295.08

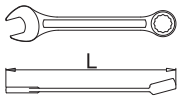
NOU

Cheie combinata cu clichet Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION



		L		
74102	8	155	150	1397.32
74121	10	165	180	1437.72
74136	12	175	200	1578.02
74161	13	190	240	1767.06
36328	14	190	245	1769.78
36329	15	190	245	1889.59
74188	17	220	250	2249.16
36332	18	220	250	2276.68
74191	19	240	310	2304.11
36333	22	270	420	2703.26
36334	24	290	570	2813.81
36335	27	315	750	3866.26

NOU

Cheie inelara cu clichet Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

		L		
70887	9	150	160	1349.56
70888	11	150	180	1453.50
70889	13	155	190	1609.25
70890	14	155	190	1712.77
70891	17	200	200	1816.71
70892	19	200	210	2024.34
70893	22	220	210	2284.03
70894	24	220	220	2439.61
70895	27	240	220	2750.85
70896	30	280	230	2854.95
70897	32	280	230	3322.27
70898	36	290	260	3685.64
70899	41	295	260	4360.34
70900	46	360	450	5045.37
70901	50	360	550	5699.58
70902	55	440	650	6307.27
70903	60	440	850	6634.04

NOU

Cheie inelara pentru schele Al-Bron

• *material: Al-Bron*



75425	10	200	90	939.84
75427	11	210	100	989.33
75429	12	220	110	1041.46
75431	13	230	120	1096.41
75433	14	240	140	1153.91
75435	15	250	170	1214.64
75437	16	260	190	1278.51
75439	17	270	200	1345.93
77437	18	270	230	1416.82
75441	19	270	330	1416.82
77439	20	270	330	1491.18
75443	21	270	360	1491.18
71732	22	270	500	1569.75
76524	23	290	500	1569.75
71733	24	290	500	1569.75
77441	25	320	500	1569.75
77443	26	320	500	1918.50
71734	27	320	700	1918.50
77445	28	350	700	1918.50
77447	29	350	700	1918.50
71735	30	350	800	1918.50
71736	32	370	800	1918.50
77449	33	390	800	1918.50
77451	34	390	900	2379.29
77453	35	390	900	2840.33
71737	36	390	1000	2840.33
77455	37	400	1000	3145.87
71738	38	400	1000	3450.75
71739	41	410	1000	4783.79
77457	42	420	1100	5064.13
71740	44	420	1100	5344.30
71741	46	420	1100	5344.30
77459	47	430	1300	5568.79
71742	50	430	1300	5793.11
75445	55	550	2100	6082.95
75447	60	600	2500	6387.08

NOU

Cheie tubulara 32 mm cu clichet pentru schele Al-Bron

• *material: Al-Bron*



79035	32	320	1000	3322.60

NOU

Cheie fixa pentru schele Al-Bron

• *material: Al-Bron*



75451	17	320	210	847.05
77491	18	350	300	969.91
75453	19	350	320	1092.77
77493	20	350	320	1235.46
77495	21	350	410	1289.08
75455	22	350	430	1289.08
77497	23	370	450	1460.94
75457	24	370	480	1460.94
77499	25	370	480	1460.94
77501	26	370	600	1657.50
75459	27	370	650	1657.50
77503	28	370	650	1657.50
77505	29	400	750	1718.89
75461	30	400	800	1718.89
73941	32	400	850	1718.89
77507	33	400	850	1841.67
77509	34	430	900	1964.44
77511	35	430	900	2087.30
73943	36	430	1200	2209.83
77513	37	430	1200	2332.53
77515	38	470	1200	3879.40
73945	41	470	1900	3069.36
77517	42	470	1900	3683.25
73947	46	500	2800	4296.97
77519	47	500	2800	4911.03
73949	50	550	3700	5525.00

NOU

Cheie tubulara pentru schele Al-Bron

• *material: Al-Bron*



36747	10 x 13	210	350	2099.78
36748	12 x 14	210	350	2099.78
36749	13 x 17	250	410	2347.48
36750	17 x 19	290	450	2487.53
36751	19 x 21	310	580	2596.10
36073	19 x 22	310	580	2596.10
36752	19 x 24	330	620	2831.98
36753	22 x 24	330	620	3331.77
35793	24 x 27	350	730	3814.62
36754	24 x 30	370	800	4018.95
36755	27 x 32	370	900	4076.12
35795	30 x 32	370	900	4117.27
36756	32 x 36	390	1150	4561.03
36757	36 x 41	390	1500	5159.64

004

Cheie inelara dubla dreapta antiex MZW

• *material: MZW*





004 0607	6 x 7	120	20	157.38
004 0810	8 x 10	130	30	163.93
004 0911	9 x 11	145	30	163.93
004 2426	24 x 26	260	200	301.64
004 5055	50 x 55	420	1500	2439.34
004 6065	60 x 65	500	3200	2780.33

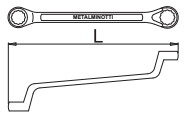


003

Cheie inelara dublu cotita antiex MZW

• *material: MZW*





003 0607	6 x 7	160	80	209.84
003 0809	8 x 9	160	80	222.95
003 1011	10 x 11	175	100	236.07
003 1213	12 x 13	190	120	249.18
003 1415	14 x 15	220	150	262.30
003 1416	14 x 16	220	200	275.41
003 1417	14 x 17	240	200	288.52
003 1617	16 x 17	240	200	327.87
003 1719	17 x 19	265	300	367.21
003 1819	18 x 19	265	300	406.56
003 1922	19 x 22	280	400	445.90
003 2022	20 x 22	280	400	485.25
003 2123	21 x 23	290	400	537.70
003 2224	22 x 24	290	400	590.16
003 2426	24 x 26	330	600	642.62
003 2427	24 x 27	330	600	695.08
003 2528	25 x 28	330	600	747.54
003 2629	26 x 29	330	600	852.46

		L		
003 2729	27 x 29	330	650	983.61
003 2730	27 x 30	330	850	1127.87
003 2732	27 x 32	350	850	1180.33
003 3032	30 x 32	350	850	1377.05
003 3236	32 x 36	415	1200	1573.77
003 3641	36 x 41	415	1300	1836.07
003 4146	41 x 46	415	1450	1967.21
003 4650	46 x 50	430	1450	2098.36
003 5060	50 x 60	430	1550	2360.66

NOU

Chei inelare duble decupate antiex Al-Bron

• *material: Al-Bron*
• *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
• *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



EGA Master ART IN INNOVATION

		L		
77571	6x7	95	15	224.16
77573	8x10	115	30	287.45
77575	9x11	125	35	335.20
77577	10x12	140	50	550.85
77579	12x14	145	65	670.65
77581	14x15	155	85	815.32
77583	14x17	165	95	862.34
77585	16x18	170	120	935.21
77587	17x19	185	125	1030.31
77589	19x22	200	170	1425.74
77591	22x24	220	220	2060.53
77593	24x27	255	300	2270.15
77595	24x30	270	360	2628.98
77597	25x28	265	360	2862.97
77599	27x30	280	410	3104.89
77601	30x32	295	480	3624.26
77603	30x34	310	550	4174.52
77605	30x36	330	650	4622.26
77607	34x36	345	700	5109.16
77609	36x41	365	900	5732.55

047

Cheie fixa de soc

• *material: MZW*



METALMINOTTI

		L		
047 0024	24	160	400	629.51
047 0027	27	160	400	655.74
047 0030	30	180	700	708.20

		L		
047 0032	32	180	700	760.66
047 0036	36	180	700	813.11
047 0041	41	240	1300	1075.41
047 0046	46	240	1300	1337.70
047 0050	50	280	2800	1704.92
047 0055	55	280	2800	1836.07
047 0060	60	280	2800	1967.21
047 0065	65	340	4800	3672.13
047 0070	70	340	4800	3934.43
047 0075	75	340	4800	4196.72
047 0080	80	410	6800	4852.46
047 0085	85	410	6800	5114.75
047 0090	90	410	6800	5442.62
047 0095	95	430	9500	7803.28
047 0100	100	430	9500	8262.30
047 0105	105	430	9500	8721.31
047 0110	110	500	17200	10491.80
047 0115	115	550	17200	11016.39
047 0120	120	550	17200	11540.98
047 0125	125	550	21000	13508.20
047 0130	130	600	21000	14163.93
047 0135	135	600	21000	14819.67
047 0140	140	600	29000	15344.26
047 0145	145	650	29000	16000.00
047 0150	150	650	29000	16655.74

NOU

Chei inelare indoite antiex Al-Bron

• *material: Al-Bron*
• *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
• *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



EGA Master ART IN INNOVATION

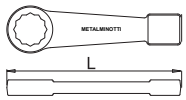
		L		
74138	24	160	300	1255.29
74140	27	170	420	1707.16
74142	30	180	500	1869.59
74144	32	190	520	2059.21
74146	36	210	800	2348.06
74148	41	220	1000	3368.95
74150	46	240	1200	3784.46
74152	50	250	1500	4461.97
74154	55	270	1800	5446.42
74156	60	280	2200	6277.20
74158	65	300	2400	7090.04
74160	70	310	2800	7939.32

048

Cheie inelara de soc antiex MZW

• *material: MZW*





METALMINOTTI

			L		
048 0019	19		150	350	524.59
048 0022	22		150	350	577.05
048 0024	24		150	350	629.51
048 0027	27		150	350	681.97
048 0030	30		170	600	852.46
048 0032	32		170	600	918.03
048 0036	36		170	600	983.61
048 0041	41		230	1300	1049.18
048 0046	46		230	1300	1114.75
048 0050		50	265	1800	1770.49
048 0055		55	265	1800	2032.79
048 0060		60	300	3300	2622.95
048 0065		65	300	3300	2885.25
048 0070		70	320	4700	3147.54
048 0075		75	320	4700	3409.84
048 0080		80	320	4700	3672.13
048 0085		85	360	6200	4196.72
048 0090		90	360	6200	4459.02
048 0095		95	360	6200	4721.31
048 0100		100	390	8200	5245.90
048 0105		105	390	8200	5770.49
048 0110		110	390	8200	6295.08
048 0115		115	430	10000	6557.38
048 0120		120	430	10000	7213.11
048 0125		125	430	10000	7868.85
048 0130		130	460	12500	8786.89
048 0135		135	460	12500	11803.28
048 0140		140	460	12500	12590.16
048 0145		145	500	15000	13508.20
048 0150		150	500	15000	14819.67
048 0155		155	500	15000	16262.30

NOU

Cheie inelara cotita de soc antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



75466	22	220	500	1627.26
75468	24	220	500	1712.77
74123	27	240	650	1803.33
74125	30	270	900	2556.93
74127	32	270	900	2586.18
36411	34	280	1050	2682.52
74129	36	280	1000	2682.44
72993	38	305	1300	3547.09
36412	40	300	1300	3547.09
74131	41	300	1300	3547.09
36413	42	300	1850	4441.07
36414	43	310	1850	4441.07
36415	44	310	1850	4441.07
36416	45	310	1900	4441.07
74133	46	310	1900	4441.07
36417	47	310	1900	4987.95
36418	48	320	2000	4987.95
74135	50	320	2000	4987.95
36419	54	320	2200	5453.69
73594	55	320	2200	5453.69
36420	56	320	2400	6584.14
36421	57	350	2900	6584.14
36422	58	350	2900	6584.14
36423	59	350	2900	6584.14
73596	60	350	2900	6584.14
73598	65	380	3200	7693.02
36424	67	400	4050	8764.39
73600	70	400	4200	8764.39
73602	75	420	4200	9185.61
36425	76	430	5500	11328.60
36426	78	430	5500	11328.60
73604	80	430	5500	11328.60
73606	85	440	6200	13042.86
73608	90	440	6200	13094.42
73610	95	440	7000	14358.05
73612	100	440	7000	14860.15
36493	105	460	8400	14978.96
73614	110	440	8400	14978.96
36495	115	470	8900	15296.90
73616	120	440	8900	15296.90
36497	125	490	11550	21540.55
36499	130	520	13200	24616.85
36501	135	520	13200	26114.22
36503	140	520	13200	27292.26
36505	145	570	15400	29378.57
36507	150	570	15400	30688.06
36509	155	600	17600	33137.75

NOU

Cheie inelara simpla antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



73994	8	100	25	205.90
73996	10	110	35	228.62
73998	12	120	50	251.50
76022	13	130	75	285.88
74000	14	130	75	343.13
77153	15	140	85	400.31
74002	16	145	120	434.60
74004	17	150	130	457.40
74006	18	160	135	503.17
74008	19	170	170	526.06
74010	20	175	180	548.86
74012	21	185	185	594.72
74014	22	190	195	617.61
76719	23	210	210	663.21
74016	24	210	250	708.99
76721	25	215	250	754.68
76723	26	230	250	777.73
74018	27	230	340	800.53
76725	28	230	340	823.42
76727	29	250	340	846.22
74020	30	250	450	869.11
74022	32	270	500	914.88
76729	33	270	500	949.26
74024	34	280	650	1052.04
77155	35	290	650	1074.92
74026	36	290	750	1097.89
76089	37	290	750	1143.58
74028	38	300	850	1200.92
74030	41	310	950	1315.11
77159	42	320	950	1486.72
74032	45	320	1200	1543.81
74034	46	330	1250	1600.98
77161	47	340	1250	1829.69
74036	48	340	1400	1886.94
74038	50	350	1500	1944.12
77163	52	370	1500	2058.47
77165	54	370	1500	2172.90
74040	55	370	1700	2401.52
74042	56	370	1750	2515.87
77167	58	370	1750	2630.38
74044	60	390	1900	2744.49
77169	63	410	1900	3202.22
74046	65	410	2200	3545.19
77171	67	430	2200	3659.62
74048	70	430	2600	4117.02
77173	71	450	2600	4231.45

74050	75	450	3200	4574.58
77175	77	470	3200	4746.19
74052	80	470	4000	5718.00
77177	82	490	4000	5946.87
74054	85	490	4400	6289.75
77179	88	600	4450	6404.27
77181	90	650	5500	7433.42
77183	94	650	5500	7662.20
77185	95	650	5500	7890.90

NOU

Cheie inelara simpla indoita antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*

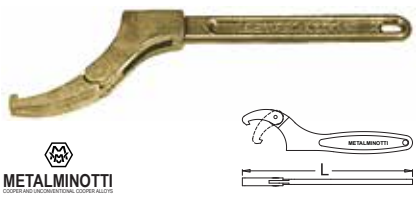


74057	10	120	65	965.70
74059	12	160	90	998.58
74061	14	150	95	1024.86
74063	16	175	150	1057.66
74065	17	175	150	1090.21
74067	19	200	220	1221.83
74069	22	200	220	1497.46
74071	24	200	320	1517.37
74073	27	200	320	1812.83
74075	30	250	550	1983.86
74077	32	250	550	2607.75
74079	34	290	600	2890.23
74081	36	290	600	3074.07
74083	38	300	800	3330.37
74085	41	300	800	3704.73
74087	46	340	1000	4164.44
74089	50	340	1250	4597.97
74379	51	340	1250	4716.28
74091	55	370	2000	4834.76
74093	60	400	2400	5222.02
74095	65	430	2500	6004.04
74097	70	450	3500	6726.33
74099	75	470	3900	7238.51
74101	80	490	4200	8375.24

063

Cheie cu gheara articulata

- *material: MZW*



METALMINOTTI

063 3810	50 / 120	300	600	1022.95

NOU

Cheie valve antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



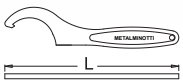
		L		
74163	6	110	60	**630.66**
74165	8	120	75	**670.15**
74167	9	140	90	**1044.77**
74169	10	140	100	**1142.92**
74171	11	160	120	**1448.30**
74173	12	190	170	**2088.79**
74175	13	200	180	**2236.60**
74177	14	250	270	**2522.31**
74179	16	250	300	**2630.71**
74181	17	300	380	**2768.78**
74183	19	350	700	**3182.55**
74185	22	400	950	**3881.96**
74187	24	500	1200	**4690.09**

050

Cheie cu gheara fixa antiex MZW

- *material: MZW*





METALMINOTTI

		L		
050 3436	34 / 36	170	100	**236.07**
050 4042	40 / 42	170	100	**262.30**
050 4550	45 / 50	205	150	**327.87**
050 5255	52 / 55	205	150	**393.44**
050 5862	58 / 62	240	310	**524.59**
050 6875	68 / 75	240	310	**655.74**
050 9510	95 / 100	280	390	**786.89**

064

Cheie cotita cu profil patrat exterior antiex MZW

- *material: MZW*



METALMINOTTI

	■	L		
064 0022	22	300	1300	**655.74**
064 0027	24	350	2300	**918.03**

NOU

Cheie cotita cu profil patrat interior antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



	■	L		
74190	3/8"	155	180	**1872.24**

NOU

Cheie inelara cu prelungitor antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



		L		
73689	24	180	480	**1827.04**
73396	27	190	500	**1827.04**
70982	30	200	600	**1827.04**
70983	32	235	800	**1827.04**
77369	33	240	900	**1827.04**
70984	34	240	850	**1827.04**
70985	35	240	900	**1941.39**
70986	36	245	900	**1941.39**
70987	37	245	1000	**1987.91**
70988	38	255	1000	**1987.91**
70989	41	265	1100	**1987.91**
70990	42	265	1100	**1987.91**
70991	46	280	1500	**2195.70**
70992	47	280	1550	**2195.70**
70993	50	290	1700	**2668.31**
70994	52	290	1750	**2803.31**
70995	54	300	1800	**2906.92**
70996	55	300	1850	**3036.89**
70997	56	310	2100	**3036.89**
70998	58	340	2450	**3114.89**
70999	60	350	2950	**3114.89**
71000	63	350	3200	**3374.16**
71001	65	360	3400	**3659.62**
71002	67	360	3550	**3659.62**
71003	70	370	3900	**3893.19**
71004	71	370	4100	**3893.19**
71005	75	380	4350	**4152.96**
71006	77	380	4600	**4152.96**
77371	80	390	5200	**8494.71**
77373	82	400	5400	**10452.63**
77375	85	420	6000	**10452.63**

NOU

Cheie fixa cu prelungitor antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



		L		
36368	22	200	410	**2353.68**
36369	24	230	460	**2416.56**
36370	27	260	540	**2475.05**
36371	30	280	660	**2515.46**
36372	32	300	810	**2633.52**
36373	36	330	950	**3056.80**
36374	41	350	1120	**3494.12**
36375	46	380	1550	**3865.43**
36376	50	400	1810	**3929.88**

NOU

Prelungitor chei fixe / inelare antiex bronz

- *material: bronz*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*

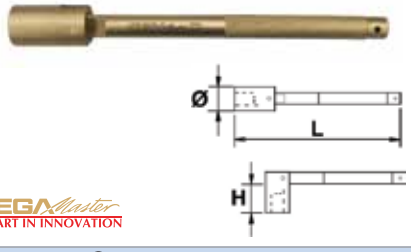


		L	Ø		
72612	22 - 30	460	19	800	**2040.13**
72605	32 - 42	610	22	900	**2788.44**
72606	46 - 58	760	25	1600	**3067.29**
72607	60 - 85	860	30	2500	**3604.34**

NOU

Cheie tubulara de schele 22 mm antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



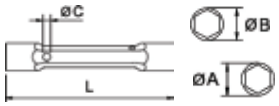
		L	Ø	H		
79820	22	300	33	40	600	**2269.24**

NOU

Cheie teava antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*





EGA Master ART IN INNOVATION

	L	A	B	C		
74729	6x7	100	11	13	4	60	937.69
74731	8x9	110	14	16	4	75	1325.69
74733	10x11	115	17	18	4	90	1487.30
74735	12x13	125	19	20	6	100	1801.92
74737	14x15	130	22	23	8	120	2410.11
74739	16x17	140	24	26	11	170	2966.91
74741	18x19	150	27	29	11	180	3684.82
74743	20x22	155	30	33	12	270	4322.09
74745	21x23	165	31	34	12	300	4878.80
74747	24x26	180	35	37	13	380	5333.06
74749	25x28	190	36	40	13	700	6502.59
74751	27x29	190	39	42	13	950	6807.30
74828	30x36	200	43	50	13	1200	9816.76

NOU

Cheie tubulara fara maner antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



EGA Master ART IN INNOVATION

	L		
77633	8	130	90	618.85
77635	9	130	95	651.90
77637	10	150	105	770.79
77639	11	150	120	811.94
77641	12	160	140	945.29
77643	13	160	150	1009.65
77645	14	170	170	1087.81
77647	15	170	170	1146.72
77649	16	190	190	1210.67
77651	17	190	190	1286.85
77653	18	210	320	1883.06
77655	19	210	370	2184.96
77657	20	210	400	2359.38
77659	21	240	470	2778.28
77661	22	240	500	3008.80
77663	23	240	600	3358.29

		L		
77665	24	270	700	4007.21
77667	25	270	750	4226.08
77669	26	270	800	4502.21
77671	27	270	850	4775.03
77673	28	270	900	4985.14
77675	29	280	950	5192.44
77677	30	280	950	5338.43
77679	32	280	1050	5832.02
77681	33	280	1100	6145.50
77683	34	280	1200	6314.13
77685	35	280	1350	6620.49
77687	36	280	1450	6884.81
77689	37	280	1500	7296.02
77691	38	280	1650	7802.25
77693	41	285	1950	9146.69
77695	42	285	2150	10004.73
77697	46	300	2300	10802.04
77699	47	300	2450	11037.27
77701	50	320	3350	13450.02
77703	52	320	3400	13702.85
77705	54	340	3500	13924.61
77707	55	340	3550	14029.87
77709	56	340	3550	14064.16
77711	58	360	4100	16028.77
77713	60	360	4400	17149.72
77715	63	380	4850	18660.23
77717	65	380	5150	19746.80
77719	67	380	5450	20817.27
77721	70	380	5900	22269.45
77723	71	380	5900	22511.86
77725	75	400	6450	24090.21
77727	77	400	6700	24823.32
77729	80	400	6850	25156.04
77731	82	400	7100	29738.56
77733	85	420	7500	31059.37
77735	88	420	7750	32012.01
77737	90	420	9000	36819.76
77739	94	450	9200	37426.96
77741	95	450	9200	37579.15
77743	100	450	9250	37674.00

NOU

Cheie tubulara cu maner in T antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



EGA Master ART IN INNOVATION

	L	A	B		
73952	8	210			130	1024.86
73954	10	210			140	1064.02
73956	12	210			145	1103.51
73958	14	210			450	1172.58

NOU

Maner pentru cheie tubulara antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



EGA Master ART IN INNOVATION

	L	Ø		
77745	8	120	7	35	119.64
77747	9-10	130	8	50	163.18
77749	11-12	140	8	55	175.74
77751	13-15	150	9	75	235.14
77753	16-18	170	10	100	316.53
77755	19-20	180	10	105	330.90
77757	21-22	190	12	165	525.90
77759	23-28	200	13	210	580.43
77761	29-34	200	16	320	648.18
77763	35-37	200	18	400	815.24
77765	38-42	300	20	750	994.28
77767	46-47	350	20	850	1156.23
77769	50-56	450	25	1700	2309.89
77771	58-77	500	280	2400	3196.60
77773	80-85	500	32	3150	4139.24
77775	88-100	600	36	4800	6272.40

NOU

Cheie tubulara cu maner in T antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



EGA Master ART IN INNOVATION

	L	A	B		
71381	9	130	130	130	250	879.44
71382	11	150	140	150	250	1014.20
71383	14	170	150	170	250	1148.95
71384	17	190	170	190	400	1416.90
71385	19	210	180	210	400	1416.90
71386	22	240	190	240	700	1758.88
71387	24	270	200	270	750	1758.88
71388	27	270	200	270	750	2015.75
71389	30	280	200	280	900	2470.34
71390	32	280	200	280	900	2470.34
72097	36	280	200	280	950	2854.95
71391	38	280	200	280	1000	2854.95

005

Cheie tubulara pipa

• *material: MZW*



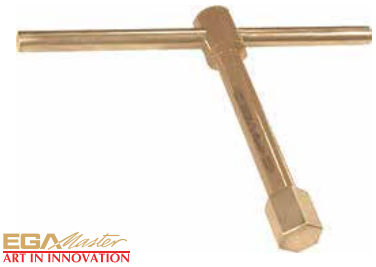
METALMINOTTI

		L	l		
005 0008	8	115	55	150	655.74
005 0009	9	120	55	150	655.74
005 0010	10	125	55	200	721.31
005 0011	11	130	55	200	721.31
005 0012	12	140	55	300	786.89
005 0013	13	150	55	300	786.89
005 0014	14	160	55	400	852.46
005 0017	17	200	60	600	852.46
005 0019	19	210	60	600	918.03
005 0022	22	245	60	600	1180.33
005 0024	24	270	65	650	1311.48
005 0027	27	270	65	650	1442.62
005 0030	30	300	65	800	1508.20
005 0032	32	310	65	800	1573.77
005 0036	36	320	80	1300	1704.92
005 0041	41	320	80	1300	1901.64

NOU

Cheie hexagonala cu maner in T antiex Al-Bron

• *material: Al-Bron*
• *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
• *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



EGA Master ART IN INNOVATION

		L		
74193	10	150	250	1182.17
74195	12	170	280	1221.83
74197	14	170	380	1270.99
74199	17	190	450	1369.39
74201	19	220	600	1576.36
74203	22	240	650	1803.33
74205	24	260	900	2394.33
74207	27	260	950	2591.47
74209	30	280	1200	3281.04
74211	32	280	1400	4108.67
74213	36	300	1700	4887.06
74215	41	300	1900	5626.13

060

Cheie locas hexagonal

• *material: MZW*



METALMINOTTI

		L		
060 0020	2		5	183.61
060 0025	2.5		5	209.84
060 0030	3		5	222.95
060 0040	4		10	236.07
060 0050	5		15	249.18
060 0060	6		25	262.30
060 0070	7		50	288.52
060 0080	8		60	314.75
060 0090	9		70	340.98
060 0100	10		100	393.44
060 0110	11		130	459.02
060 0120	12		165	524.59
060 0130	13		200	655.74
060 0140	14		250	721.31
060 0170	17		420	852.46
060 0190	19		600	983.61
060 0220	22		950	1442.62
060 0240	24		1250	1704.92
060 0270	27		1800	2032.79
060 0300	30		2500	2491.80
060 0320	32		3100	3081.97
060 0360	36		4500	4327.87

100

Set chei locas hexagonal 2-12 mm / 10 piese

• *material: MZW*



METALMINOTTI

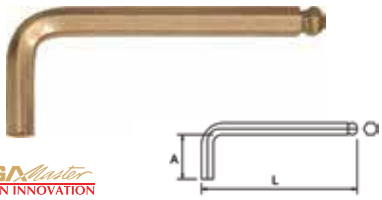
		L		
100 1000	2 - 12 / 10	290	600	3344.26

060 (2, 3, 4, 5, 6, 7, 8, 9, 10, 12)

NOU

Cheie locas hexagonal scurta cu cap sferic antiex Al-Bron

• *material: Al-Bron*
• *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
• *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



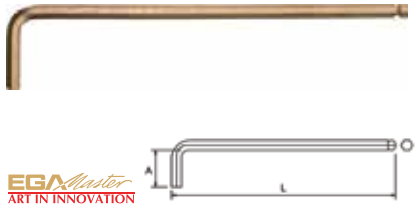
EGA Master ART IN INNOVATION

		L	A		
75554	2	50	16	7	363.38
72184	3	63	20	11	363.38
72185	4	70	25	14	391.14
72186	5	80	28	43	447.16
72187	6	90	32	45	615.05
75556	7	95	34	45	754.51
72188	8	100	36	45	894.31
75558	9	106	38	60	1062.12
72189	10	112	40	80	1229.68
75560	11	118	42	100	1248.52
72190	12	125	45	127	1267.02

NOU

Cheie locas hexagonal lunga cu cap sferic antiex Al-Bron

• *material: Al-Bron*
• *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
• *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*



EGA Master ART IN INNOVATION

		L	A		
77563	2	101	16	15	631.57
71354	3	128	20	21	631.57
71355	4	143	25	25	631.57
71356	5	160	28	43	682.05
71357	6	182	32	61	884.23
77567	7	195	34	92	941.32
71358	8	209	36	150	997.84
77569	9	224	38	200	1251.66
71359	10	238	40	250	1263.14
71360	12	270	45	440	1515.97

NOU

Cheie locas TORX® scurta cu cap sferic antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*





		L	A		
35831	T6	42	16	5	535.48
35833	T7	48	16	5	535.48
35835	T8	48	16	5	535.48
35837	T9	48	16	5	585.05
76135	T10	51	17	5	585.05
76137	T15	54	18	10	619.59
76139	T20	57	20	13	668.75
76141	T25	60	20	15	724.11
76144	T27	64	21	25	769.96
76143	T30	70	24	35	807.97
36429	T40	76	26	45	912.24

NOU

Cheie locas TAMPER TORX® cu cap sferic antiex Al-Bron

- *material: Al-Bron*
- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii in medii potential explozive*
- *toate sculele sunt forjate dupa turnare pentru a obtine cea mai înalta calitate de pe piata de scule cu un finisaj atractiv.*





		L	A		
36431	TT8	42	16	6,5	841.43
36433	TT9	42	16	6,5	841.43
35775	TT10	51	17	6,5	841.43
35777	TT15	54	18	9	891.34
35779	TT20	57	20	12	961.48
35781	TT25	60	20	15	1041.63
35783	TT27	64	21	18	1081.78
35785	TT30	70	24	28	1232.16
35787	TT40	76	26	38	1417.23

062

Cheie cu profil triunghiular

- *material: MZW*



		L		
062 0004	M 4	95	80	262.30
062 0005	M 5	110	100	327.87
062 0006	M 6	115	170	393.44
062 0012	M 12	125	280	655.74
062 0016	M 16	180	980	786.89
062 0020	M 20	200	2100	1049.18
062 0024	M 24	220	3100	1311.48

065

Cheie universala pentru valve

- *material: MZW*



065 0380	380	380	1280	1442.62

043

Cheie cu deschideri multiple

- *material: MZW*

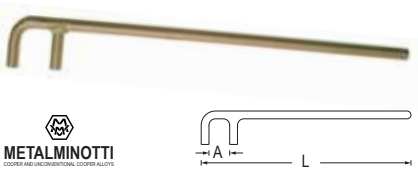


	L		
043 0380	380	1280	1573.77

069

Cheie valve anti-ex

- *material: MZW*



	L	A		
069 0300	300	30	400	918.03
069 0350	350	35	450	983.61
069 0400	400	40	750	1901.64
069 0450	450	45	795	2032.79
069 0500	500	50	1380	2163.93

Cheie valve anti-ex Cu-Be

- *material: Cu-Be*

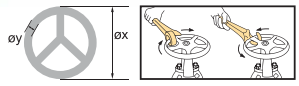


		L		
72422	30	200	250	2475.96
72424	32	300	500	3404.48
72426	35	300	350	2755.31
72428	40	300	450	3404.48
72430	45	350	550	4153.37
72432	48	375	600	4502.95
72434	50	400	650	4782.38
72436	55	450	900	5710.73
72438	60	500	1150	6150.54
72440	65	550	1300	7008.74
72442	70	600	1400	7697.90
72444	75	650	1600	8566.51
72446	80	700	1700	9744.63
72448	85	750	2100	10842.61
72450	90	800	2200	11960.00

Cheie valve anti-ex Cu-Be

- *material: Cu-Be*





	L	Ø x (inch)	Ø y (mm)		
71432	210	3 - 7	< 36	400	2005.84
71433	400	8 - 15	< 48	900	2906.01
71434	490	16 - 20	< 60	1400	4282.76
71441	800	16 - 20	< 60	4600	7481.67

NOU

Cheie tip C antiex Al-Bron

- *material: Al-bron*



	Ø	mm		
72419	40	450	1100	7657.83

078

NOU

Cheie valve anti-ex

- *material: MZW®*



		L		
078 0215	56	215	910	996.72
078 0400	80	400	760	1416.39
078 0490	100	490	1720	1573.77

NOU

Cheie tip C dubla, antiex Al-Bron

• *material: Al-bron*



	Ø1	Ø2	mm		
72421	14,5	18,5	200	380	2885.52

NOU

Cheie tip F antiex Al-Bron

• *material: Al-bron*



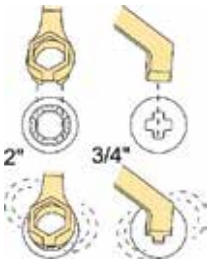
	Ø	mm		
36233	25	250	260	836.81

NOU

Cheie capac butoi antiex Al-Bron

• *material: Al-bron*





	Ø	mm		
71447	2"-3/4"	300	800	1619.58

NOU

Cheie speciala pentru capac butoi, antiex Al-Bron

• *material: Al-bron*



	mm		
76062	260	850	2598.49

NOU

Cheie speciala pentru butoi, antiex Al-Bron

• *material: Al-bron*



	mm		
74283	485	3000	14299.72

NOU

Cheie cu carbura pentru butoi, antiex Al-Bron

• *material: Al-bron*



	mm		
72170	280	650	1313.95

NOU

Cap cheie tubulara scurta 1/4" 6 laturi antiex Al-Bron

• *material: Al-Bron*



		L		
78982	3	25	10	404.36
71930	4	25	10	404.36
75563	4,5	25	10	404.36
71931	5	25	10	404.36
75552	5,5	25	10	439.47
71932	6	25	10	483.26
71933	7	25	12	518.46
71934	8	25	12	545.06
71935	9	25	15	588.61
71936	10	25	15	594.55
71937	11	25	20	619.67
71938	12	26	20	664.78
71939	13	26	25	696.59
71940	14	26	25	741.38
75565	15	27	30	754.26
75567	16	27	30	760.46
75569	17	27	30	797.64
75571	18	27	35	816.31
75573	19	27	35	834.99
75575	5/32"	25	10	424.10
71941	3/16"	25	10	438.40
71942	7/32"	25	10	445.67
71943	1/4"	25	10	460.21
71944	9/32"	25	10	496.07
71945	5/16"	25	15	503.26
71946	11/32"	28	15	523.75
71947	3/8"	28	20	544.24
71948	7/16"	28	20	564.81
71949	1/2"	28	25	653.71
71950	9/16"	28	25	686.43

NOU

Cap cheie tubulara scurta 1/4" 12 laturi antiex Al-Bron

• *material: Al-Bron*



		L		
74427	4	25	10	404.36
75577	4,5	25	10	404.36
74428	5	25	10	404.36
75579	5,5	25	10	439.47
74429	6	25	10	483.26
74430	7	25	12	518.46
74431	8	25	12	545.06
74432	9	25	15	588.61
74433	10	25	15	594.55
74434	11	25	20	619.67
74435	12	26	20	664.78
74436	13	26	25	696.59
74437	14	26	25	741.38
75581	15	27	30	754.26
75583	16	27	30	760.46
75585	17	27	30	797.64
75587	18	27	35	816.31
75589	19	27	35	834.99
75591	5/32"	25	10	424.10
74438	3/16"	25	10	438.40
74439	7/32"	25	10	445.67
74440	1/4"	25	10	460.21
74441	9/32"	25	10	496.07
74442	5/16"	25	15	503.26
74443	11/32"	28	15	523.75
74444	3/8"	28	20	544.24
74445	7/16"	28	20	564.81
74446	1/2"	28	25	653.71
74447	9/16"	28	25	686.43

NOU

Cap cheie tubulara lunga 1/4” 6 laturi antiex Al-Bron

• *material: Al-Bron*



		L		
36726	3	50	38	545.97
78742	4	50	38	545.97
78744	4,5	50	38	558.94
78746	5	50	38	575.80
78748	5,5	50	38	585.71
78750	6	50	38	641.57
78752	7	50	38	685.11
78754	8	50	40	716.75
78756	9	50	44	771.04
78758	10	50	47	1030.06
78760	11	50	50	1069.55
78762	12	50	50	1141.52
78764	13	50	50	1191.01
78766	14	50	55	1218.19
78768	15	50	60	1233.31
78770	16	50	70	1269.25
78772	17	50	80	1301.97
78774	18	50	85	1326.26
78776	19	50	95	1350.31
78778	5/32”	50	38	700.31
78780	3/16”	50	38	720.72
78782	7/32”	50	38	729.56
78784	1/4”	50	38	749.80
78786	9/32”	50	38	793.35
78788	5/16”	50	40	812.68
78790	11/32”	50	44	837.05
78792	3/8”	50	47	970.57
78794	7/16”	50	50	1060.71
78796	1/2”	50	50	1304.70
78798	9/16”	50	55	1466.06

NOU

Cap cheie tubulara lunga 1/4” 12 laturi antiex Al-Bron

• *material: Al-Bron*



		L		
78800	4	50	38	545.97
78802	4,5	50	38	558.94
78804	5	50	38	575.80
78806	5,5	50	38	585.71
78808	6	50	38	641.57
78810	7	50	38	685.11
78812	8	50	40	716.75
78814	9	50	44	771.04
78816	10	50	47	1030.06
78818	11	50	50	1069.55
78820	12	50	50	1141.52
78822	13	50	50	1191.01
78824	14	50	55	1218.19
78826	15	50	60	1233.31
78828	16	50	70	1269.25
78830	17	50	80	1301.97
78832	18	50	85	1326.26
78834	19	50	95	1350.31
78836	5/32”	50	38	700.31
78838	3/16”	50	38	720.72
78840	7/32”	50	38	729.56
78842	1/4”	50	38	749.80
78844	9/32”	50	38	793.35
78846	5/16”	50	40	812.68
78848	11/32”	50	44	837.05
78850	3/8”	50	47	970.57
78852	7/16”	50	50	1060.71
78854	1/2”	50	50	1304.70
78856	9/16”	50	55	1466.06

NOU

Antrenor mama-tata 1/4” antiex, Al-Bron

• *material: Al-bron*



		mm		
73723	1/4”	200	350	2233.22

NOU

Antrenor parghie glisanta 1/4” antiex, Al-Bron

• *material: Al-bron*



		mm		
71958	1/4”	250	250	1469.70

NOU

Intermediar cardanic 1/4” antiex, Al-Bron

• *material: Al-bron*



		mm		
71954	1/4”	55	150	1307.43

NOU

Adaptor 1/4” antiex, Al-Bron

• *material: Al-bron*



75719	1/4” - 3/8“	20	813.75
71952	1/4”- 1/2”	100	952.39

NOU

Antrenor cu clichet reversibil 1/4” antiex, Al-Bron

• *material: Al-bron*



		mm		
71956	1/4”	130	400	2126.71

NOU

Prelungitor 1/4” antiex, Al-Bron

• *material: Al-bron*



		mm		
71961	1/4”	100	200	1037.33
71962	1/4”	200	400	1296.77

NOU

Antrenor drept cu maner bimaterial 1/4” antiex, Al-Bron

• *material: Al-bron*



		L	L1		
73732	1/4”	195	55	60	1287.60

NOU

Cap cheie tubular cu profil hexagonal 1/4”, antiex Al-Bron

• *material: Al-Bron*



73693	3	55	20	**696.18**
73695	4	55	20	**709.48**
73697	5	55	20	**814.41**
73699	6	55	25	**827.72**
73701	7	55	30	**906.54**
73703	8	65	40	**1024.86**
73705	9	65	55	**1142.92**
73707	10	65	60	**1274.29**

NOU

Cap cheie tubular cu profil hexagonal 1/4”, lung, antiex Al-Bron

• *material: Al-Bron*



36618	3	55	21	**1498.04**
36619	4	55	28	**1544.88**
36620	5	55	35	**1591.57**
36621	6	55	44	**1638.41**
36622	7	55	50	**1685.34**
36623	8	65	80	**1819.77**
36624	9	65	110	**1869.01**
36625	10	65	110	**2010.63**

NOU

Cap cheie tubulara lunga 3/8” 6 laturi antiex Al-Bron

• *material: Al-Bron*



78858	5	60	85	**700.31**
78860	5,5	60	85	**720.55**
78862	6	60	85	**775.09**
78864	7	60	85	**829.70**
78866	8	60	85	**870.27**
78868	9	60	85	**1050.14**
78870	10	60	90	**1074.84**
78872	11	60	95	**1116.65**
78874	12	60	100	**1164.57**
75967	13	60	105	**1198.86**
78876	14	60	105	**1218.69**
78878	15	60	110	**1260.83**
78880	16	60	115	**1286.44**
78882	17	60	120	**1329.07**
78884	19	60	130	**1361.71**
78886	20	60	135	**1431.86**
78888	5/16”	60	85	**821.93**
78890	3/8”	60	100	**1025.76**
78892	7/16”	60	105	**1207.12**
78894	1/2”	60	105	**1327.59**
78896	9/16”	60	105	**1495.89**
78898	5/8”	60	115	**1564.30**
78900	11/16”	60	125	**1649.65**
78902	3/4”	60	130	**1752.18**
78904	13/16”	60	145	**1865.13**
78906	7/8”	60	155	**1918.34**
78908	15/16”	60	190	**1939.99**

NOU

Cap cheie tubulara scurta 3/8” 6 laturi antiex Al-Bron

• *material: Al-Bron*



75593	5	28	20	**460.21**
75595	5,5	28	20	**488.88**
75597	6	28	20	**536.88**
75599	7	28	20	**545.39**
75601	8	28	20	**553.82**
75603	9	28	20	**606.45**
75605	10	32	35	**607.28**
75607	11	32	35	**639.09**
75609	12	32	40	**683.70**
75611	13	32	40	**722.29**
75613	14	32	40	**747.74**
75615	15	32	45	**773.52**
75617	16	32	45	**786.07**
75619	17	32	55	**837.14**
75621	19	32	60	**869.36**
75623	20	32	60	**894.72**
75625	5/16”	32	20	**567.29**
75627	3/8”	32	30	**619.67**
75629	7/16”	32	35	**654.21**
75631	1/2”	32	40	**690.73**
75633	9/16”	32	45	**718.98**
75635	5/8”	35	65	**742.70**
75637	11/16”	35	70	**786.57**
75639	3/4”	35	75	**839.20**
75641	13/16”	35	80	**857.96**
75643	7/8”	35	85	**876.55**
75645	15/16”	35	100	**930.75**

NOU

Cap cheie tubulara scurta 3/8” 12 laturi antiex Al-Bron

• *material: Al-Bron*



75647	5	28	20	**460.21**
75649	5,5	28	20	**488.88**
75651	6	28	20	**536.88**
75653	7	28	20	**545.39**
75655	8	28	20	**553.82**
75657	9	28	20	**606.45**
75659	10	32	35	**607.28**
75661	11	32	35	**639.09**
75663	12	32	40	**683.70**
75665	13	32	40	**722.29**
75667	14	32	40	**747.74**
75669	15	32	45	**773.52**
75671	16	32	45	**786.07**
75673	17	32	55	**837.14**
75675	19	32	60	**869.36**
75677	20	32	60	**894.72**
75679	5/16”	32	20	**567.29**
75681	3/8”	32	30	**619.67**
75683	7/16”	32	35	**654.21**
75685	1/2”	32	40	**690.73**
75687	9/16”	32	45	**718.98**
75689	5/8”	35	65	**742.70**
75691	11/16”	35	70	**786.57**
75693	3/4”	35	75	**839.20**
75695	13/16”	35	80	**857.96**
75697	7/8”	35	85	**876.55**
75699	15/16”	35	100	**930.75**

NOU

Antrenor cu clichet reversibil 3/8” antiex, Al-Bron

• *material: Al-bron*



75701	3/8”	200	400	**2669.63**

NOU

Cap cheie tubulara lunga 3/8” 12 laturi antiex Al-Bron

• *material: Al-Bron*



		L		
78910	5	60	85	**700.31**
78912	5,5	60	85	**720.55**
78914	6	60	85	**775.09**
78916	7	60	85	**829.70**
78918	8	60	85	**870.27**
78920	9	60	85	**1050.14**
78922	10	60	90	**1074.84**
78924	11	60	95	**1116.65**
78926	12	60	100	**1164.57**
78928	13	60	105	**1198.86**
78930	14	60	105	**1218.69**
78932	15	60	110	**1260.83**
78934	16	60	115	**1286.44**
78936	17	60	120	**1329.07**
78938	19	60	130	**1361.71**
78940	20	60	135	**1431.86**
78942	5/16”	60	85	**821.93**
78944	3/8”	60	100	**1025.76**
78946	7/16”	60	105	**1207.12**
78948	1/2”	60	105	**1327.59**
78950	9/16”	60	105	**1495.89**
78952	5/8”	60	115	**1564.30**
78954	11/16”	60	125	**1649.65**
78956	3/4”	60	130	**1752.18**
78958	13/16”	60	145	**1865.13**
78960	7/8”	60	155	**1918.34**
78962	15/16”	60	190	**1939.99**

NOU

Prelungitor 3/8” antiex, Al-Bron

• *material: Al-bron*



		mm		
75703	3/8”	200	400	**1345.68**
75705	3/8”	250	500	**1459.04**

NOU

Antrenor mama-tata 3/8” antiex, Al-Bron

• *material: Al-bron*



	mm		
75707	3/8”	200	350	**2456.71**

NOU

Antrenor parghie glisanta 3/8” antiex, Al-Bron

• *material: Al-bron*



	mm		
75709	3/8”	250	250	**1825.06**

NOU

Intermediar cardanic 3/8” antiex, Al-Bron

• *material: Al-bron*



	mm		
75715	3/8”	55	150	**1430.12**

NOU

Adaptor 3/8” antiex, Al-Bron

• *material: Al-bron*



75717	3/8” - 1/4”	20	**792.27**
75723	3/8” - 1/2”	50	**1225.71**

NOU

Antrenor articulat 3/8” antiex, Al-Bron

• *material: Al-bron*



	mm		
75711	3/8”	175	220	**1859.10**

NOU

Antrenor cotit 3/8” antiex, Al-Bron

• *material: Al-bron*



	mm		
75713	3/8”	200	300	**1404.67**

NOU

Cap cheie tubular cu profil hexagonal 3/8”, antiex Al-Bron

• *material: Al-Bron*



		L		
36566	3	55	55	**758.97**
36567	4	55	60	**775.50**
36568	5	55	60	**816.81**
36569	6	55	65	**899.35**
36570	7	55	70	**1006.60**
36571	8	65	85	**1113.76**
36572	9	65	95	**1253.97**
36573	10	65	100	**1394.34**

NOU

Cap cheie tubular cu profil hexagonal 3/8”, lung, antiex Al-Bron

• *material: Al-Bron*



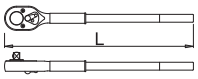
		L		
36636	3	100	60	**1429.29**
36637	4	100	65	**1473.99**
36638	5	100	70	**1518.53**
36639	6	100	80	**1563.23**
36640	7	100	90	**1685.34**
36641	8	100	105	**1819.77**
36642	10	100	135	**2049.21**
36643	12	100	165	**2286.51**

423

Antrenor cu clichet

• *material: MZW*





METALMINOTTI

423 0012	1/2"	250	650	**1954.10**
423 0034	3/4"	420	1950	**3383.61**

042

Capete chei tubulare hexagonale 1/2"

• *material: MZW*



METALMINOTTI

042 0812	8		120	**222.95**
042 0912	9		130	**222.95**
042 1012	10		120	**236.07**
042 1112	11		120	**249.18**
042 1212	12		120	**262.30**
042 1312	13		120	**288.52**
042 1412	14		120	**314.75**
042 1512	15		120	**340.98**
042 1612	16		120	**354.10**
042 1712	17		170	**367.21**
042 1812	18		180	**393.44**
042 1912	19		180	**419.67**
042 2012	20		180	**445.90**
042 2112	21		180	**472.13**
042 2212	22		180	**498.36**
042 2312	23		180	**524.59**
042 2412	24		180	**550.82**
042 2512	25		190	**590.16**
042 2612	26		190	**629.51**
042 2712	27		200	**668.85**
042 2812	28		200	**708.20**
042 2912	29		200	**747.54**
042 3012	30		220	**786.89**
042 3212	32		320	**852.46**

042 7812	3/4"			**231.47**
042 7912	25/32"			**251.61**
042 8012	13/16"			**251.61**
042 8112	7/8"			**251.61**
042 8212	15/16"			**261.69**
042 8312	1"			**332.12**
042 8412	1.1/16"			**372.39**
042 8512	1.1/8"			**372.39**
042 8612	1.1/4"			**432.77**
042 8712	1.1/2"			**473.03**

NOU

Cap cheie tubulara lunga 1/2" 6 laturi antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

71956

35001	6	82	190	**913.07**
35003	7	82	190	**919.18**
35005	8	82	190	**1012.87**
35007	9	82	190	**1072.78**
35009	10	82	190	**1089.38**
35011	11	82	190	**1116.40**
35013	12	82	190	**1153.75**
74285	13	82	190	**1201.26**
35015	14	82	190	**1248.52**
35017	15	82	190	**1315.85**
74295	16	82	190	**1372.28**
74287	17	82	190	**1407.40**
35019	18	82	195	**1452.76**
74289	19	82	200	**1517.70**
35021	20	82	230	**1582.23**
35023	21	82	240	**1595.20**
35025	22	82	260	**1607.76**
35027	23	82	280	**1697.65**
74291	24	82	300	**1729.30**
35029	25	82	320	**1850.09**
35031	26	82	340	**1987.91**
74293	27	82	360	**2105.98**
35033	28	82	390	**2222.97**
35035	29	82	410	**2347.65**
35037	30	82	430	**2471.17**
35039	32	82	500	**2718.46**
35041	34	82	550	**2903.95**
35043	36	82	650	**3076.47**
36451	41	82	980	**3690.44**

35045	1/4"	82	190	**1018.82**
35047	5/16"	82	190	**1018.82**
35049	3/8"	82	190	**1084.10**
35051	7/16"	82	190	**1237.94**
35053	1/2"	82	190	**1356.01**
EGA-35055	9/16"	82	190	**1538.52**
35057	19/32"	82	190	**1610.82**
35059	5/8"	82	190	**1632.79**
35061	11/16"	82	190	**1711.62**
35063	3/4"	82	200	**1788.62**
35065	25/32"	82	230	**1826.96**
35067	13/16"	82	240	**1870.42**
35069	7/8"	82	260	**1952.13**
35071	15/16"	82	300	**1963.04**
35073	1"	82	320	**1962.87**
35075	1.1/16"	82	360	**2110.02**
35077	1.1/8"	82	410	**2738.29**
35079	1.3/16"	82	430	**2725.40**
35081	1.1/4"	82	500	**2712.84**
35083	1.7/16"	82	650	**3321.19**
36445	1.1/2"	82	800	**3528.00**

NOU

Cap cheie tubulara lunga 1/2" 12 laturi antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

35085	6	82	190	**913.07**
35087	7	82	190	**919.18**
35089	8	82	190	**1012.87**
35091	9	82	190	**1072.78**
35093	10	82	190	**1089.38**
35095	11	82	190	**1116.40**
35097	12	82	190	**1153.75**
35099	13	82	190	**1201.26**
35101	14	82	190	**1248.52**
35103	15	82	190	**1315.85**
35105	16	82	190	**1372.28**
35107	17	82	190	**1407.40**
35109	18	82	195	**1452.76**
35111	19	82	200	**1517.70**
35113	20	82	230	**1582.23**
35115	21	82	240	**1595.20**
35117	22	82	260	**1607.76**
35119	23	82	280	**1697.65**
35121	24	82	300	**1729.30**
35123	25	82	320	**1850.09**
35125	26	82	340	**1987.91**

		L		
35127	27	82	360	2105.98
35129	28	82	390	2222.97
35131	29	82	410	2347.65
35133	30	82	430	2471.17
35135	32	82	500	2718.46
35137	34	82	550	2903.95
35139	36	82	650	3076.47
36455	41	82	980	3690.44
35141	1/4"	82	190	1160.94
35143	5/16"	82	190	1191.01
35145	3/8"	82	190	1220.51
35147	7/16"	82	190	1250.25
35149	1/2"	82	190	1339.24
35151	9/16"	82	190	1399.14
35153	19/32"	82	190	1428.96
35155	5/8"	82	190	1458.71
35157	11/16"	82	190	1607.51
35159	3/4"	82	200	1637.26
35161	25/32"	82	230	1666.92
35163	13/16"	82	240	1696.83
35165	7/8"	82	260	1726.24
35167	15/16"	82	300	1785.90
35169	1"	82	320	1934.95
35171	1.1/16"	82	360	1917.60
35173	1.1/8"	82	410	2181.16
35175	1.3/16"	82	430	2419.20
35177	1.1/4"	82	500	2657.32
35179	1.7/16"	82	650	3109.10
36449	1.1/2"	82	800	3528.00

NOU

Antrenor mama-tata 1/2" antiex, Al-Bron

• material: Al-bron



	mm		
73725	1/2"	250	450	2679.96

NOU

Cap cheie tubulara cu profil lat 1/2" antiex, Al-Bron

• material: Al-bron



		mm		
73710	13 x 2	1/2"	50	450	827.72

NOU

Antrenor coarba 1/2" antiex, Al-Bron

• material: Al-bron



	mm		
72417	1/2"	390	750	2555.94

NOU

Intermediar cardanic 1/2" antiex, Al-Bron

• material: Al-bron



	mm		
71269	1/2"	80	200	1553.15

NOU

Adaptor 3/8" antiex, Al-Bron

• material: Al-bron



75721	1/2" - 3/8"	70	1067.24
71266	1/2" - 3/4"	200	1310.48
79947	1/2" - 1"	280	2217.77

NOU

Cap cheie tubular cu profil hexagonal 1/2", antiex Al-Bron

• material: Al-Bron



	L		
36657	4	55	85	1071.04
36658	5	55	85	1104.17
36659	6	55	85	1160.44
36660	7	55	90	1274.21
36661	8	65	105	1428.14
36662	10	65	120	1547.03
36663	12	65	135	1710.71
36664	14	65	175	1826.96
36665	16	65	190	2050.04
36666	17	65	195	2217.60
36667	18	65	210	2329.06
36668	19	65	210	2496.54

NOU

Cap cheie tubular cu profil hexagonal 1/2", lung, antiex Al-Bron

• material: Al-Bron



	L		
36682	4	100	95	1800.02
36683	5	100	95	1856.46
36684	6	100	100	1912.72
36685	7	100	110	1968.90
36686	8	100	130	2025.17
36687	10	100	155	2256.93
36688	12	100	185	2581.55
36689	14	100	250	3017.80
36690	16	100	270	3120.75
36691	17	100	290	3376.97
36692	18	100	320	3546.09
36693	19	100	320	3795.86

NOU

Antrenor mama-tata 3/4" antiex, Al-Bron

• material: Al-bron



	mm		
73727	3/4"	300	1000	5478.31

NOU

Cap clichet reversibil 3/4" antiex, Al-Bron

• material: Al-bron



	mm		
73713	3/4"	160	1500	4901.94

NOU

Cap antrenor articulat 3/4" antiex, Al-Bron

• material: Al-bron



	mm		
72397	3/4"	120	800	2096.47

042

Capete chei tubulare hexagonale 3/4"

• *material: MZW*



METALMINOTTI

042 1134	11	120	380.33
042 1234	12	120	380.33
042 1334	13	130	380.33
042 1534	15	130	380.33
042 1634	16	170	380.33
042 1734	17	170	459.02
042 1834	18	180	550.82
042 1934	19	180	629.51
042 2034	20	180	668.85
042 2234	22	180	708.20
042 2434	24	180	747.54
042 2534	25	190	800.00
042 2634	26	200	852.46
042 2734	27	200	918.03
042 2834	28	200	996.72
042 3034	30	230	1075.41
042 3234	32	450	1154.10
042 3434	34	450	1245.90
042 3634	36	450	1377.05
042 3834	38	490	1508.20
042 4134	41	600	1704.92
042 4634	46	600	2032.79
042 5034	50	650	2360.66
042 5534	55	650	2622.95
042 5834	58	750	2950.82
042 6034	60	750	3278.69
042 6534	65	7600	3803.28

NOU

Intermediar cardanic 3/4" antiex, Al-Bron

• *material: Al-bron*



EGA Master ART IN INNOVATION

		mm		
71270	3/4"	135	600	3748.36

NOU

Cap cheie tubulara scurta 3/4" 12 laturi antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

		L		
75735	17	50	200	1080.30
75737	18	50	200	1083.52
75739	19	50	200	1086.41
75741	21	55	250	1195.14
75743	22	55	250	1207.95
74547	24	55	280	1361.30
74548	26	55	280	1375.84
74549	27	55	280	1459.62
75745	28	55	310	1532.33
75747	29	55	320	1638.66
74550	30	60	370	1728.14
75749	31	60	380	1845.30
74551	32	60	410	1951.72
77811	33	60	410	2030.05
75751	34	60	440	2108.37
77813	35	60	440	2178.11
74552	36	60	460	2248.09
77815	37	60	470	2326.50
75753	38	60	500	2404.74
74553	41	65	650	2650.54
77817	42	65	700	2891.14
74554	46	65	700	3131.66
77819	47	70	750	3282.69
74555	50	70	850	3433.81
77821	52	70	900	3472.89
77823	55	70	950	3512.30
77825	60	70	1100	3920.62
75755	3/4"	50	220	1268.10
75757	13/16"	55	240	1422.52
75759	7/8"	55	240	1422.52
75761	15/16"	55	280	1422.52
75763	1"	55	280	1506.05
75765	1.1/16"	55	280	1506.05
75767	1.1/8"	55	310	1731.03
35857	1.5/32"	60	360	1731.03
75769	1.3/16"	60	360	1731.03
35859	1.7/32"	60	400	1840.67
75771	1.1/4"	60	400	1840.67
74567	1.5/16"	60	430	1994.19
74568	1.3/8"	60	470	2089.95
74569	1.7/16"	60	480	2132.99
74570	1.1/2"	60	550	2224.04
74571	1.9/16"	65	650	2241.73
74572	1.5/8"	65	700	2259.32
74573	1.11/16"	65	700	2330.13
74574	1.3/4"	65	7000	2401.19
74575	1.13/16"	65	700	2451.01
74576	1.7/8"	65	700	2563.29
77827	1.15/16"	65	800	2621.71
74577	2"	70	850	2680.37

NOU

Cap cheie tubulara lunga 3/4" 6 laturi antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

		L		
35181	17	90	500	1922.97
35183	18	90	500	2084.91
35185	19	90	500	2100.11
36341	20	90	500	2100.11
35187	21	90	500	2100.11
35189	22	90	500	2113.25
35191	24	90	550	2201.74
35193	26	90	600	2336.91
35195	27	90	600	2468.44
35197	28	90	600	2579.49
35199	29	90	600	2746.22
35201	30	90	600	2882.88
35203	31	90	650	3065.06
70484	32	90	650	3226.67
35207	33	90	650	3453.56
35209	34	90	650	3453.56
35211	35	90	650	3488.67
70485	36	90	700	3488.67
35213	37	90	750	3544.03
35215	38	90	800	3544.03
35217	41	90	900	3888.24
35219	42	90	950	4301.76
35221	46	100	1150	4301.76
35223	47	100	1200	4581.03
35225	50	100	1250	4581.03
35227	52	100	1250	4981.67
35229	55	100	1300	4981.67
35231	60	100	1400	5476.17
35233	3/4"	90	500	2054.25
35235	13/16"	90	500	2103.08
35237	7/8"	90	500	2128.20
35239	15/16"	90	550	2214.21
35241	1"	90	600	2249.16
35243	1.1/16"	90	600	2414.24
35245	1.1/8"	90	600	2612.46
35247	1.3/16"	90	600	2857.18
35249	1.1/4"	90	650	3085.22
35251	1.5/16"	90	650	3249.31
35253	1.3/8"	90	650	3389.94
35255	1.7/16"	90	700	3444.22

35257	1.1/2”	90	800	3503.30
35259	1.9/16”	90	900	3563.03
35261	1.5/8”	90	900	3586.66
35263	1.11/16”	90	950	3664.08
35265	1.3/4”	100	1000	3702.75
35267	1.13/16”	100	1150	3908.40
35269	1.7/8”	100	1200	4029.52
35271	1.15/16”	100	1200	4319.61
35273	2”	100	1250	4350.59

NOU

Cap cheie tubulara lunga 3/4” 12 laturi antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

35275	17	90	500	1922.97
35277	18	90	500	2084.91
35279	19	90	500	2100.11
36343	20	90	500	2100.11
35281	21	90	500	2100.11
35283	22	90	500	2113.25
35285	24	90	550	2201.74
35287	26	90	600	2336.91
35289	27	90	600	2468.44
35291	28	90	600	2579.49
35293	29	90	600	2746.22
35295	30	90	600	2882.88
35297	31	90	650	3065.06
35299	32	90	650	3226.67
35301	33	90	650	3453.56
35303	34	90	650	3453.56
35305	35	90	650	3488.67
35307	36	90	700	3488.67
35309	37	90	750	3544.03
35311	38	90	800	3544.03
35313	41	90	900	3888.24
35315	42	90	950	4301.76
35317	46	100	1150	4301.76
35319	47	100	1200	4581.03
35321	50	100	1250	4581.03
35323	52	100	1250	4981.67
35325	55	100	1300	4981.67
35327	60	100	1400	5476.17
35329	3/4”	90	500	2054.25
35331	13/16”	90	500	2103.08
35333	7/8”	90	500	2128.20
35335	15/16”	90	550	2214.21
35337	1”	90	600	2249.16

35339	1.1/16”	90	600	2414.33
35341	1.1/8”	90	600	2612.46
35343	1.3/16”	90	600	2857.18
35345	1.1/4”	90	650	3085.22
35347	1.5/16”	90	650	3249.31
35349	1.3/8”	90	650	3389.94
35351	1.7/16”	90	700	3444.22
35353	1.1/2”	90	800	3503.30
35355	1.9/16”	90	900	3563.03
35357	1.5/8”	90	900	3586.66
35359	1.11/16”	90	950	3664.08
35361	1.3/4”	100	1000	3702.75
35363	1.13/16”	100	1150	3908.40
35365	1.7/8”	100	1200	4029.52
35367	1.15/16”	100	1200	4319.61
35369	2”	100	1250	4350.59

NOU

Antrenor cotit 3/4” antiex, Al-Bron

• *material: Al-bron*



EGA Master ART IN INNOVATION

72413	3/4”	280	700	3713.82

424

Adaptor

• *material: MZW*



METALMINOTTI

424 0012	1/2”	3/4”	50	200	577.05
424 0034	3/4”	1/2”	50	200	577.05

425

Antrenor cu parghie glisanta

• *material: MZW*



METALMINOTTI

425 0012	1/2”	320	550	1245.90
425 0034	3/4”	500	1600	2622.95

426

Prelungitor

• *material: MZW*



METALMINOTTI

426 0012	1/2”	125	200	681.97
426 0121	1/2”	250	400	1088.52
426 0034	3/4”	200	600	1154.10

422

Antrenor articulat

• *material: MZW*



METALMINOTTI

422 0012	1/2”	215	350	1285.25

421

Antrenor in T cu parghie glisanta

• *material: MZW*



METALMINOTTI

421 0012	1/2”	245	500	1114.75
421 0034	3/4”	260	850	1442.62

042

Capete chei tubulare hexagonale 1"

• *material: MZW*



METALMINOTTI

042 7001	70			4327.87
042 7501	75			4852.46
042 8001	80			5442.62
042 8501	85			5967.21
042 9001	90			6819.67
042 9501	95			7868.85
042 1001	100			9442.62

NOU

Cap cheie tubulara scurta 1" 6 laturi antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

75773	22	55	330	1348.65
75775	24	55	340	1489.11
75777	25	55	340	1744.58
75779	26	55	350	1840.51
75781	27	55	360	1904.46
75783	28	55	370	1942.88
75785	29	55	370	1987.66
75787	30	60	400	2032.36
75789	31	60	410	2198.60
75791	32	60	440	2351.86
75793	34	60	450	2479.68
75795	36	60	460	2658.72
75797	38	60	500	2863.30
71250	41	65	600	3253.20
71251	42	65	700	3430.67
71252	46	65	800	3617.65
71253	50	70	1000	3975.16
71254	55	75	1100	4486.67
71255	60	75	1400	5010.67
71256	65	80	1500	5560.36
71257	70	80	1500	6122.94
71258	75	85	2000	6685.35
71259	80	85	2200	7266.94
71260	85	85	4600	8367.31
71261	90	90	4800	9203.95
71262	95	90	4900	11212.18
71263	100	90	5000	13371.12
71264	105	95	5200	14608.48

75799	1.1/16"	55	360	2299.89
75801	1.1/8"	55	360	2354.84
75803	1.3/16"	60	400	2608.90
75805	1.1/4"	60	430	2780.92
75807	1.5/16"	60	440	2855.94
75809	1.3/8"	60	440	2890.32
75811	1.7/16"	60	460	2972.69
75813	1.1/2"	60	500	3370.85
75815	1.5/8"	65	550	3404.15
77829	1.13/16"	65	700	3628.39
75817	1.7/8"	65	700	3852.63
75819	2"	70	800	4242.28
77831	2.1/8"	70	850	4554.84
75821	2.1/4"	75	1000	4867.15
77833	2.3/8"	75	1250	5144.68
75823	2.1/2"	75	1250	5421.97
77835	2.9/16"	75	1400	5840.95
75825	2.3/4"	80	1400	6259.68
77837	2.15/16"	80	1500	6596.04
75827	3"	80	1500	6932.31
77839	3.1/8"	80	2300	7273.96

NOU

Cap cheie tubulara scurta 1" 12 laturi antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

75829	22	55	330	1348.65
75831	24	55	340	1489.11
75833	25	55	340	1744.58
75835	26	55	350	1840.51
75837	27	55	360	1904.46
75839	28	55	370	1942.88
75841	29	55	370	1987.66
75843	30	60	400	2032.36
75845	31	60	410	2198.60
75847	32	60	440	2351.86
75849	34	60	450	2479.68
75851	36	60	460	2658.72
75853	38	60	500	2863.30
74593	41	65	600	3253.20
74594	42	65	700	3430.67
74595	46	65	800	3617.65
74596	50	70	1000	3975.16
74597	55	75	1100	4486.67
74598	60	75	1400	5010.67
74599	65	80	1500	5560.36
74600	70	80	1500	6122.94
74601	75	85	2000	6685.35

74602	80	85	2200	7266.94
74603	85	85	4600	8367.31
74604	90	90	4800	9203.95
74605	95	90	4900	11212.18
74606	100	90	5000	13371.12
74607	105	95	5200	14608.48
75855	1.1/16"	55	360	2299.89
75857	1.1/8"	55	360	2354.84
75859	1.3/16"	60	400	2608.90
75861	1.1/4"	60	430	2780.92
75863	1.5/16"	60	440	2855.94
75865	1.3/8"	60	440	2890.32
75867	1.7/16"	60	460	2972.69
75869	1.1/2"	60	500	3370.85
75871	1.5/8"	65	550	3404.15
77841	1.13/16"	65	700	3628.39
75873	1.7/8"	65	700	3852.63
75875	2"	70	800	4242.28
77843	2.1/8"	70	850	4554.84
75877	2.1/4"	75	1000	4867.15
77845	2.3/8"	75	1250	5144.68
75879	2.1/2"	75	1250	5421.97
77847	2.9/16"	75	1400	5840.95
75881	2.3/4"	80	1400	6259.68
77849	2.15/16"	80	1500	6596.04
75883	3"	80	1500	6932.31
77851	3.1/8"	80	2300	7273.96

NOU

Cap cheie tubulara lunga 1" 6 laturi antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

35371	22	100	800	2691.77
35373	24	100	800	2959.47
35375	25	100	800	3452.48
35377	26	100	800	3626.49
35379	27	100	800	3490.57
35381	28	100	800	3557.00
35383	29	100	800	3622.77
35385	30	100	800	3687.79
35387	31	100	800	3959.79
35389	32	100	800	4060.17
35391	34	100	850	4261.44
35393	36	100	900	4547.90
35395	38	100	950	4875.42
35397	41	100	1000	5360.91
35399	42	100	1050	5445.02

		L		
35401	46	115	1250	5484.76
35403	50	115	1450	5999.00
35405	55	125	1750	6739.06
35407	60	125	2100	7490.76
35409	65	135	2600	8273.37
35411	70	135	3050	9066.96
35413	75	140	3850	9852.79
35415	80	140	4300	10658.61
35417	85	140	4600	14908.07
35419	90	140	4900	15745.29
35421	95	140	5300	16601.76
35423	100	140	5750	17191.94
35425	105	140	6200	18261.16
35427	1.1/16"	100	800	3434.97
35429	1.1/8"	100	800	3496.19
35431	1.3/16"	100	800	3860.39
35433	1.1/4"	100	800	4089.18
35435	1.5/16"	100	850	4184.11
35437	1.3/8"	100	850	4212.20
35439	1.7/16"	100	900	4314.49
35441	1.1/2"	100	950	4870.62
35443	1.5/8"	100	1000	5328.93
35445	1.13/16"	115	1250	5503.35
35447	1.7/8"	115	1300	5503.35
35449	2"	115	1450	6004.95
35451	2.1/8"	125	1650	7232.73
35453	2.1/4"	125	1800	7232.73
35455	2.3/8"	125	2100	7982.78
35457	2.1/2"	125	2300	7982.78
35459	2.9/16"	135	2600	8623.27
35461	2.3/4"	135	3050	9088.44
35463	2.15/16"	140	3850	10017.62
35465	3"	140	4000	10017.62
35467	3.1/8"	140	4300	11046.52

NOU

Cap cheie tubulara lunga 1" 12 laturi antiex Al-Bron

• *material: Al-Bron*



		L		
35469	22	100	800	2691.77
35471	24	100	800	2959.47
35473	25	100	800	3452.48
35475	26	100	800	3626.49
35477	27	100	800	3490.57
35479	28	100	800	3557.00
35481	29	100	800	3622.77
35483	30	100	800	3687.79

		L		
35485	31	100	800	3959.79
35487	32	100	800	4060.17
35489	34	100	850	4261.44
35491	36	100	900	4547.90
35493	38	100	950	4875.42
35495	41	100	1000	5360.91
35497	42	100	1050	5445.02
35499	46	115	1250	5484.76
35501	50	115	1450	5999.00
35503	55	125	1750	6739.06
35505	60	125	2100	7490.76
35507	65	135	2600	8273.37
35509	70	135	3050	9066.96
35511	75	140	3850	9852.79
35513	80	140	4300	10658.61
35515	85	140	4600	14908.07
35517	90	140	4900	15745.29
35519	95	140	5300	16601.76
35521	100	140	5750	17191.94
35523	105	140	6200	18261.16
35525	1.1/16"	100	800	3434.97
35527	1.1/8"	100	800	3496.19
35529	1.3/16"	100	800	3860.39
35531	1.1/4"	100	800	4089.18
35533	1.5/16"	100	850	4184.11
35535	1.3/8"	100	850	4212.20
35537	1.7/16"	100	900	4314.49
35539	1.1/2"	100	950	4870.62
35541	1.5/8"	100	1000	5328.93
35543	1.13/16"	115	1250	5503.35
35545	1.7/8"	115	1300	5503.35
35547	2"	115	1450	6004.95
35549	2.1/8"	125	1650	7232.73
35551	2.1/4"	125	1800	7232.73
35553	2.3/8"	125	2100	7982.78
35555	2.1/2"	125	2300	7982.78
35557	2.9/16"	135	2600	8623.27
35559	2.3/4"	135	3050	9088.44
35561	2.15/16"	140	3850	10017.62
35563	3"	140	4000	10017.62
35565	3.1/8"	140	4300	11046.52

NOU

Antrenor mama-tata 1" antiex, Al-Bron

• *material: Al-bron*



		mm		
73729	1"	300	1000	6700.39

NOU

Cap clichet reversibil 1" antiex, Al-Bron

• *material: Al-bron*



		mm		
73715	1"	180	3000	9842.38

NOU

Cap antrenor articulat 1" antiex, Al-Bron

• *material: Al-bron*



		mm		
72399	1"	120	1100	2266.43

NOU

Intermediar cardanic 1" antiex, Al-Bron

• *material: Al-Bron*



		mm		
71271	1"	145	1300	5119.40

NOU

Antrenor parghie glisanta 1" antiex, Al-Bron

• *material: Al-bron*



		mm		
71278	1"	300	2300	5431.72

NOU

Antrenor cotit 1" antiex, Al-Bron

• *material: Al-bron*



		mm		
72415	1"	280	1100	4612.84

NOU

Antrenor articulat 1” antiex, Al-Bron

• *material: Al-bron*



		mm		
72409	1”	315	850	**5740.73**

NOU

Antrenor in T 1” antiex, Al-Bron

• *material: Al-bron*



		mm		
73720	1”	401	2400	**8815.29**

NOU

Adaptor 3/4” antiex, Al-Bron

• *material: Al-bron*



		mm		
71268	3/4” - 1”	-	410	**2673.35**

300

Trusa capete tubulare si accesorii 16 piese 1/2"

• *material: MZW*



METALMINOTTI

		L		
300 1000	10 - 32 / 16	300	4700	**10622.95**

423 (250 mm), **422** (215 mm), **425** (320 mm)
042 (10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32)

NOU

Trusa capete chei tubulare si accesorii 1/2” 9 piese antiex, Cu-Be

• *material: Cu-Be*



74263	10 - 24 / 9	1400	**15735.05**

10-11-12-14-17-19-22-24

NOU

Trusa capete chei tubulare si accesorii 1/2” 16 piese antiex, Cu-Be

• *material: Cu-Be*



74267	10 - 32 / 16	1400	**33327.21**

10-11-12-14-17-19-22-24-27-30-32

NOU

Trusa capete chei tubulare si accesorii 1/2” 31 piese antiex, Al-Bron

• *material: Al-Bron*



74274	8 - 32 / 31	6500	**38927.47**

8-9-10-11-12-13-14-15-16-17-18-19-20-
21-22-23-24-26-27-28-30-32

NOU

Trusa capete chei tubulare si accesorii 1/2” 31 piese antiex, Cu-Be

• *material: Cu-Be*



74273	8 - 31 / 31	6500	**55497.26**

8-9-10-11-12-13-14-15-16-17-18-19-20-21-
22-23-24-26-27-28-30-32

NOU

Trusa capete chei tubulare si accesorii 3/4” 14 piese antiex, Al-Bron

• *material: Al-Bron*



74276	21-50 / 14	8500	**42343.52**

21-24-27-30-32-34-36-38-41-46-50

NOU

Trusa capete chei tubulare si accesorii 3/4” 20 piese antiex, Al-Bron

• *material: Al-Bron*



74278	21-50 / 20	8500	**53609.08**

21-22-23-24-26-27-28-29-30-31-32-34-36-38-41-46-50

NOU

Trusa capete chei tubulare si accesorii 1” 18 piese antiex, Al-Bron

• material: Al-Bron



74280	30-80 / 18	18000	87746.07
	21-24-27-30-32-34-36-38-41-46-50		

NOU

Cap cheie tubulara de IMAPCT scurta 1/2” 6 laturi antiex Al-Bron

• material: Al-Bron



	O	L		
77853	8	42	105	810.94
77855	9	42	105	862.75
77857	10	42	115	880.10
77859	11	42	115	905.96
77861	12	44	135	940.58
77863	13	44	145	983.79
77865	14	44	145	1026.84
77867	15	44	145	1087.40
77869	16	44	145	1138.79
77871	17	44	160	1173.41
77873	18	44	180	1216.62
77875	19	44	180	1276.94
77877	20	44	180	1337.50
74718	21	44	180	1354.60
77879	22	44	180	1371.95
77881	23	44	180	1501.18
74720	24	46	200	1613.46
77883	25	46	200	1734.26
77885	26	46	210	1771.77
77887	27	48	220	1771.77
77889	28	48	220	1879.09
77891	29	48	230	1994.19
74722	30	50	240	2109.12
77893	32	50	250	2331.62
36087	36	50	260	2391.77
74724	41	50	260	2451.84
74726	46	50	600	2894.61
74727	50	60	800	3325.24

NOU

Cap cheie tubulara de IMAPCT lunga 1/2” 6 laturi antiex Al-Bron

• material: Al-Bron



	O	L		
76203	8	82	170	1054.27
76205	9	82	170	1121.52
76207	10	82	170	1144.08
76209	11	82	170	1177.71
76211	12	82	170	1222.57
76213	13	82	180	1278.67
76215	14	82	190	1334.69
76217	15	82	200	1413.35
76219	16	82	220	1480.52
76221	17	82	240	1525.30
76223	18	82	260	1581.65
76225	19	82	270	1660.06
76227	20	82	280	1738.39
76229	21	82	290	1760.94
76231	22	82	310	1783.42
76233	23	82	320	1951.55
76767	24	82	340	2097.47
76235	25	82	380	2254.53
76237	26	82	400	2303.20
76769	27	82	420	2303.20
76281	28	82	440	2442.58
76283	29	82	460	2592.30
76771	30	82	500	2741.68
76773	32	82	500	3030.94
36698	36	82	750	3102.08
76285	41	82	800	3187.26
76287	46	82	1000	3763.23
36457	50	82	1275	5528.96

NOU

Cap cheie tubulara de IMAPCT scurta 3/4” 6 laturi antiex Al-Bron

• material: Al-Bron



	O	L		
79840	17	55	350	1556.37
77993	19	55	350	1583.55
79213	20	55	250	1607.02
79842	21	55	350	1607.02
77995	22	55	350	1632.30
79018	23	50	280	1632.38
75885	24	55	350	1632.30
79880	26	55	370	2005.92
75887	27	55	380	2005.92
79882	28	55	400	2192.98
75889	30	60	500	2379.95
75891	32	60	550	2638.81
79844	33	60	550	2668.47
77997	34	60	550	2719.04
75893	36	60	550	2799.51
77999	38	65	700	2856.44
75895	41	65	800	2913.53
75897	46	65	900	3360.94
75899	50	70	1100	3628.88
78001	55	70	1250	3939.96
78003	60	70	1250	4491.30

NOU

Cap cheie tubulara de IMAPCT lunga 3/4” 6 laturi antiex Al-Bron

• material: Al-Bron



	O	L		
36463	17	90	650	2058.80
78468	19	90	700	2058.80
36823	21	90	750	2121.92
78470	22	90	800	2121.92
36732	23	90	800	2121.92
78472	24	90	800	2121.92
36824	26	90	800	2607.75
78474	27	90	800	2607.75
36825	28	90	800	3093.82
78476	30	95	900	3093.82
78478	32	95	900	3430.59
36826	33	95	900	3534.86
78480	34	95	900	3534.86
78482	36	95	900	3639.13
78484	38	100	1100	3713.32
78486	41	100	1150	3787.60
78488	46	100	1200	4369.18
78490	50	100	1700	4717.85
78492	55	100	1750	5121.71
78494	60	100	1750	5839.21

NOU

Cap cheie tubulara de IMAPCT scurta 1” 6 laturi antiex Al-Bron

• *material: Al-Bron*



72331	19	60	650	2192.40
72333	21	60	650	2257.75
72335	22	60	700	2322.45
72337	24	60	700	2379.95
72339	26	60	700	2437.54
72341	27	60	700	2509.42
72343	29	60	700	2588.41
72345	30	60	750	2746.63
72347	32	60	750	2919.15
72349	34	70	800	3076.22
72351	35	70	850	3246.01
72353	36	70	850	3388.62
72355	38	70	900	3660.11
72357	41	70	900	3770.83
72359	46	80	1200	3894.60
72361	50	80	1500	4059.93
72363	52	90	1700	4406.61
72365	55	90	1800	4691.83
72367	58	90	1900	4977.29
72369	60	90	2000	5346.37
72371	65	90	2300	5888.79
72373	70	90	2700	6811.35
72375	75	90	3000	7269.91
72377	80	90	3300	8092.01
79846	85	90	3500	10087.93
79848	90	100	3700	11061.89
79870	95	100	4000	13456.97
79872	100	100	4500	14378.05
79874	105	110	5500	18564.30
79876	110	110	5750	18964.53
79878	115	115	7000	25802.82

NOU

Cap cheie tubulara de IMAPCT lunga 1” 6 laturi antiex Al-Bron

• *material: Al-Bron*



78596	19	100	900	3288.81
78598	21	100	950	3386.63
78600	22	100	950	3483.80
78602	24	100	1000	3569.72
78604	26	100	1050	3656.07
78606	27	100	1050	3763.97
78608	29	100	1150	3882.54
78610	30	100	1150	4120.08
78612	32	100	1250	4378.77
78614	34	100	1300	4614.08
78616	35	100	1350	4868.97
76854	36	100	1400	5082.72
78618	38	100	1450	5490.13
78620	41	100	1500	5656.04
78622	46	115	2200	5841.86
78624	50	115	2300	6090.14
78626	52	125	2650	6610.17
78628	55	125	2700	7037.82
78630	58	125	100	7465.73
78632	60	125	3000	8019.47
78634	65	135	3950	8833.05
78636	70	135	3950	10217.24
78638	75	140	4750	10904.82
78640	80	140	4800	12138.47
36856	85	110	4020	13180.92
36857	90	115	4510	14008.14
36858	95	115	4930	15256.66
36859	100	115	5450	16816.00
36860	105	115	5820	18028.41
36861	110	120	6300	19587.92
36862	115	125	7060	21913.59

NOU

Cap cheie tubulara de IMAPCT scurta 1.1/2” 6 laturi antiex Al-Bron

• *material: Al-Bron*



78134	34	80	2200	7796.47
78136	36	80	2200	7875.62
78138	38	80	2200	7954.94
78140	41	80	2200	8035.66
78142	46	85	2400	8116.55
78144	48	85	2450	8164.88
78146	50	90	2600	8718.21
78148	54	90	2650	8718.21
78150	55	90	2650	8718.21
78152	60	90	3050	9809.74
78154	65	95	3350	10713.22
78156	70	95	3800	11925.71
78158	75	100	4100	12784.41
78160	80	100	4800	14756.05
78162	85	110	5600	17164.42
78164	90	125	6850	20713.16
78166	95	130	7650	21025.23
78168	100	135	8200	22323.32
78170	105	140	8800	23613.47

NOU

Cap cheie tubulara de IMAPCT scurta 2.1/2” 6 laturi antiex Al-Bron

• *material: Al-Bron*



78290	75	140	8400	24103.92
78292	80	140	8700	24754.66
78294	85	140	8900	25093.09
78296	90	150	10250	28544.49
78298	95	150	10500	28912.91
78300	100	150	11300	30811.34
78302	105	150	12200	33265.40
78304	110	150	13250	35719.72
78306	115	150	14150	37799.83
78308	120	150	15050	39742.80
78310	125	150	15950	41634.53

NOU

Prelungitor de IMAPCT, antiex Al-Bron

• *material: Al-Bron*



78378	1/2”	75	155	1933.29
78380	1/2”	125	240	2268.83
78382	3/4”	125	550	3631.36
78384	3/4”	250	1100	4216.83
78386	1”	150	1100	3811.56
78388	1”	300	2200	5768.73

NOU

Adaptor de IMAPCT, antiex Al-Bron

• *material: Al-Bron*



76712	1/2” - 3/4”	230	1455.24
76492	3/4” - 1/2”	350	1942.47
76714	3/4” - 1”	460	4030.35
76716	1” - 3/4”	700	4419.25
36207	1” - 1.1/2”	1550	7684.18
73743	1.1/2” - 1”	3150	9072.08

NOU

Intermediar cardanic de IMAPCT, antiex Al-Bron

• *material: Al-Bron*



		L		
76519	1/2”	90	180	**2542.06**
76521	3/4”	110	320	**4381.66**
76525	1”	125	950	**5385.36**

NOU

Pin de siguranta antiex Al-Bron

• *material: Al-Bron*



			Q x L		
73716	1/2”	8-14	4 x 20	2,1	**76.76**
73733	1/2”	15-50	4 x 25	2,3	**91.22**
36582	1.1/2”	34-105	7 x 75	20	**234.32**
36583	1.1/2”	35-108	7 x 75	20	**234.32**
36584	1.1/2”	7-114	7 x 105	28	**326.77**
36585	1.1/2”	75-125	7 x 105	35	**343.38**
73622	3/4”	24-30	6 x 30	10	**101.05**
73624	3/4”	32-50	6 x 40	10	**101.05**
73626	1”	19-41	6 x 50	15	**139.38**
73628	1”	46-80	6 x 60	20	**139.38**

NOU

Cheie pentru chiuveta 12” antiex, Al-Bron

• *sunt special concepute pentru fixarea piulitelor chiuvetelor si bailor in medii cu risc de explozie*
• *fabricat complet din material care nu produce scantei*
• *flanșa mare previne rotirea accidentală a piuliței atunci cand cheia este asezata*
• *cu o duritate de 241-311 Brinell (Al-Bron).*



		L		
71823	58	12”	1200	**2246.52**



610

Cheie reglabila pentru tevi

• *material: MZW*



		L		
610 3500	60	350	1000	**1704.92**
610 4500	75	450	1600	**2098.36**
610 6000	100	600	2500	**2622.95**
610 9000	140	900	5200	**5245.90**

NOU

Cheie reglabila pentru tevi Al-Bron

• *material: Al-Bron*



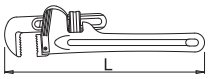
	L			
36310	8”	1”	500	**2435.48**
36311	10”	1.1/2”	800	**2939.15**
36312	12”	2”	1100	**3132.15**
36313	14”	2”	1900	**3816.35**
36314	18”	2.1/2”	2600	**5287.70**

NOU

Cheie reglabila pentru tevi Al-Bron

• *material: Al-Bron*





	L			
71458	8”	1”	0,3	**2545.45**
71459	10”	1.1/2”	0,8	**2955.75**
71460	12”	2”	1,3	**3202.38**
71461	14”	2”	1,7	**3777.03**
71462	18”	2.1/2”	2,6	**4597.97**
71463	24”	3”	4,5	**6897.28**
71464	36”	5”	9,0	**11987.35**
71465	48”	6”	16	**21840.63**

NOU

Cleste reglabil 45° pentru tevi Al-Bron

• *material: Al-Bron*



	L			
611 3000	300	40	610	**4590.16**
611 4200	420	55	1315	**7278.69**
611 5300	530	67	2860	**8918.03**

NOU

Cheie reglabila cu rola

• *material: Al-Bron*



		L		
75098	19	150	180	**1131.85**
75111	24	200	350	**1297.51**
75113	28	250	570	**1746.48**

012

Cheie reglabila cu rola

• *material: MZW*



		L		
012 2000	22	200	245	**944.26**
012 2500	27	250	920	**1311.48**
012 3000	30	300	1320	**1573.77**
012 3800	44	380	1700	**2360.66**

70134

Dispozitiv taiat tevi

• *material: Cu-Be*



	Ø	L	H		
70134	2”	380	60	2400	**18594.05**

Dispozitiv taiat tevi

• *material: Cu-Be*



	Ø	L			
74327	4”-6”	740	280	12300	**59002.45**
74340	8”-12”	860	465	21000	**90092.81**

Cheie cu lant anti-ex Cu-Be

• *material: Cu-Be*



	L	inch		
72976	600	4	3800	**19075.41**
72978	600	6	4200	**20779.51**
72980	900	8	8500	**32357.46**
72982	900	12	9500	**35638.34**

613 NOU

Dispozitiv taiat tevi

• *material: Cu-Be*

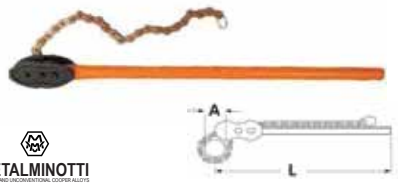


	Ø	L	H		
613 4450	60	445	60	3800	15016.39

612 NOU

Cheie cu lant anti-ex Cu-Be

• *material: Cu-Be*



	L	ØA		
612 5500	550	50 - 90	4300	12655.74
612 9100	910	60 - 130	7640	13377.05
612 6900	690	80 - 180	10030	14819.67

006

Cleste combinat antiex CuBe

• *material: CuBe*



	L		
006 2000	200	325	1127.87

NOU

Cleste combinat antiex Al-Bron

• *material: Al-Bron*



	L		
70530	160	250	1033.37
70531	180	320	1148.13
70532	200	370	1262.73

066

Cleste cu tais lateral antiex CuBe

• *material: CuBe*



	L		
066 1600	160	100	1285.25

NOU

Cheie tais lateral anti-ex Al-Bron

• *material: Al-Bron*



	L		
70537	160	250	1424.42
76475	200	370	1661.88

NOU

Cheie tais lateral Heavy Duty anti-ex Al-Bron

• *material: Al-Bron*



	L		
72095	160	260	1305.69
70538	180	320	1424.42

068

Cleste varfuri semirotunde (telefonisti)

• *material: CuBe*



	L		
068 1800	180	150	1075.41

NOU

Cleste varfuri semirotunde antiex Al-Bron

• *material: Al-Bron*



	L		
70535	160	250	1068.48
76131	180	270	1187.13
70536	200	370	1305.69

007

Cleste cu varfuri rotunde

• *material: CuBe*



	L		
007 1600	160	135	1285.25

NOU

Cleste varfuri semirotunde antiex Al-Bron

• *material: Al-Bron*



	L		
73149	160	250	1543.07
73151	180	270	1661.88
73650	200	370	1780.61

008

Cleste cu varfuri plate antiex CuBe

• *material: CuBe*



	L		
008 1600	160	150	1075.41

NOU

Cleste varfuri plate antiex Al-Bron

• *material: Al-Bron*



	L		
70533	160	170	1008.99

73903

Cleste dezizolat cabluri

• *material: Cu-Be*



	L		
73903	170	220	2730.28

Cleste varfuri rotunde antiex

• *material: Al-Bron*



	L		
70534	160	160	1008.99

70539

Cleste pentru tevi de gaz antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L		
70539	210	370	**1543.07**

014

Cleste pentru tevi de gaz antiex CuBe

• *material: CuBe*



METALMINOTTI

		L		
014 2100	40	210	370	**1678.69**

70539

Cleste cu doua pozitii, antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L		
70544	200	250	**949.75**

NOU

Cleste inele siguranta interior drept, antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

		L		
36435	3-10	140	110	**1424.42**
76740	8-25	140	110	**1424.42**
72510	10-25	140	110	**1424.42**
72512	19-60	200	250	**1661.88**
72514	40-100	250	425	**1899.25**

NOU

Cleste inele siguranta interior indoit, antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	mm	L		
79968	85-200	330	600	**3361.60**

NOU

Cleste inele siguranta exterior drept, antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L	L		
76745	3-10	140	120	**1424.42**
36437	8-25	140	120	**1424.42**
72516	10-25	140	120	**1424.42**
72518	19-60	200	265	**1661.88**
72520	40-100	250	465	**1899.25**

NOU

Cleste inele siguranta exterior indoit, antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	mm	L		
79966	85-200	330	600	**3361.60**

013

Cleste reglabil pentru instalatori

• *material: CuBe*



METALMINOTTI

		L		
013 2400	40	240	305	**1245.90**

NOU

Cleste reglabil pentru instalatori antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L		
70540	10”	340	**2020.54**
70541	12”	700	**2589.24**

NOU

Cleste reglabil pentru instalatori antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L		
73898	10”	380	**3084.07**

NOU

Cleste reglabil pentru instalatori antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L		
72302	10”	340	**2134.89**

NOU

Cleste menghina autoblocant antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L		
79464	9”	455	**4778.09**

NOU

Cleste pentru sertizat antiex Al-Bron

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L		
73901	8”	220	**3113.56**

79101 NOU

Cleste combinat antiex Al-Bron 125 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
79101	125	100	1	1899.25

79223 NOU

Cleste cu varf indoit antiex Al-Bron 125 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
79223	125	100	1	2255.52

79233 NOU

Cleste tais fata antiex Al-Bron 110 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
79233	110	100	1	1780.61

79129 NOU

Cleste varf plat antiex Al-Bron 125 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
79129	125	100	1	1899.25

76129 NOU

Cleste varf ac antiex Al-Bron 125 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
76129	150	100	1	2255.52

036

Cleste pentru scos cuie

- *material: CuBe*



METALMINOTTI

	L		
036 2000	180	250	1377.05

79146 NOU

Cleste varfuri rotunde antiex Al-Bron 125 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
79146	125	100	1	1899.25

79229 NOU

Cleste tais lateral antiex Al-Bron 125 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
79229	115	100	1	2255.52

NOU

Cleste pentru scos cuie antiex Al-Bron

- *material: Al-Bron*



	L		
70542	7"	310	3022.76
70543	9"	380	3022.76

70547 NOU

Penseta cu varfuri ascutite Al-Bron 150 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
70547	150	40	1	474.83

79221 NOU

Cleste varfuri lungi antiex Al-Bron 125 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
79221	125	100	1	1899.25

79231 NOU

Cleste tais lateral triunghiular antiex Al-Bron 125 mm

- *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
- *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
- *duritatea este de 241-311 Brinell (Al-Bron)*



	L				
79231	115	995	100	1	2255.52

70548 NOU

Penseta cu varfuri drept Al-Bron 150 mm

• *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
• *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
• *duritatea este de 241-311 Brinell (Al-Bron)*



	L			
70548	150	40	1	474.83

067

Foarfeca pentru tabla CuBe

• *material: CuBe*



	L		
067 2800	280	700	2072.13

038 NOU

Foarfeca pentru tabla CuBe

• *material: CuBe*



	L		
038 2100	210 / 85	220	2426.23

NOU

Foarfeca cu taiere pe dreapta antiex Al-Bron

• *material: Al-Bron*



	L		
70545	280	600	1972.62

NOU

Foarfeca pentru tabla antiex Al-Bron

• *material: Al-Bron*



	L		
70546	225	300	2180.17

NOU

Foarfeca pentru tabla antiex Al-Bron

• *material: Al-Bron*



	L		
72461	150	90	1407.65

NOU

Foarfeca pentru tabla antiex Al-Bron

• *material: Al-Bron*



	L		
73893	290	220	2630.71
73895	360	850	6374.86

NOU

Foarfeca pentru tabla antiex Al-Bron

• *material: Al-Bron*



	L		
72459	300	450	2805.38

NOU

Cleste buloane, antiex Al-Bron

• *material: Al-Bron*



	L	mm		
74216	12	4 - 2	1450	10007.29
74221	14	5 - 3	160	10534.26
74224	18	6 - 4	2500	11143.85
73423	24	8 - 5	3000	12789.12

NOU

Falci cleste buloane, antiex

• *material: Al-Bron*



	L	mat		
36278	12	Cu-Be	-	4038.86
36279	12	Al-Bron		2832.65
36280	14	Cu-Be		4250.46
36281	14	Al-Bron		2976.41
36282	18	Cu-Be		4611.10
36283	18	Al-Bron		3344.99
35760	24	Cu-Be		4971.67
35761	24	Al-Bron		3713.74

030

Cadru de bomfaier

• *material: CuBe*



	mm	L		
030 0550	300	550	900	1836.07

098

Panza de bomfaier

• *material: CuBe*

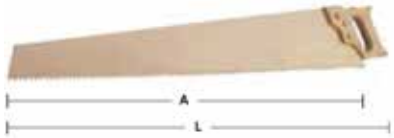


	mm	L		
098 0300	300	300	30	157.38

031 NOU

Fierastrau coada de vulpe

• *material: CuBe*



	L	A		
031 0680	680	660	510	3081.97

NOU

Fierastrau de mana antiex

• *material: Al-Bron*



	L		
72469	370	125	3574.27



NOU

Burghie elicoidale antiex Cu-Be

- *burghiele antiex EGA Master sunt proiectate pentru a crea gauri in metale si alte materiale*
- *fabricate din cupru beriliu, acestea sunt cele mai bune alternative pentru foraj in medii cu potential exploziv.*
- *burghiele antiex pot fi folosite pentru a gauri materiale speciale cu o duritate de pana la 20HRC*
- *sunt potrivite pentru diametre de la 6 mm la 20 mm*
- *duritatea este 283-365 Brinell (Cu-Be)*



EGA Master ART IN INNOVATION

	Ø	L		
73632	6	25	25	2859.42
73633	7	35	35	3137.36
73634	8	55	55	3333.01
73635	9	80	80	3593.44
73636	10	110	110	3806.52
73637	11	150	150	4124.04
73638	12	200	200	4319.53
73639	13	250	250	4642.83
73640	14	320	320	4934.57
73641	15	400	400	5114.44
73642	16	470	470	5450.06
73643	17	540	540	5785.84
73644	18	650	650	6208.29
73645	19	720	720	6436.16
73646	20	820	820	6757.15

075

Cutit antiex Cu-Be®

- *material: Cu-Be®*



METALMINOTTI

	mm	L		
075 1800	180	180	90	603.28

71612 NOU

Cutit antiex Al-Bron

- *material: Al-Bron*



EGA Master ART IN INNOVATION

	mm	L		
71612	30	200	70	601.91

71614 NOU

Cutit antiex Al-Bron

- *material: Al-Bron*



EGA Master ART IN INNOVATION

	mm	L		
71614	-	250	90	519.45

73742 NOU

Cutit electrician antiex Al-Bron

- *material: Al-Bron*



EGA Master ART IN INNOVATION

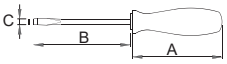
	mm	L		
73742	60	115	180	1839.19

NOU

Surubelnita electrician cu profil lat, maner bimaterial antiex, Al-Bron

- *material: Al-Bron*





EGA Master ART IN INNOVATION

	C	B	A		
74757	2,5	50	84	36	178.05
71588	3	50	75	50	178.05
76481	3	100	84	50	225.64
71589	4	100	75	70	225.64
71590	4	150	75	80	391.80
72308	5	100	75	100	391.80
72309	5	200	75	200	534.24
74759	5,5	100	115	100	391.80
71591	6	100	95	100	474.83
75269	7	150	115	200	652.89
71592	8	150	105	200	652.89
71593	10	200	105	200	712.13
71594	10	300	105	300	831.02

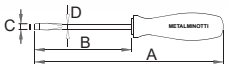
021

Surubelnita cu profil lat antiex Cu-Be®

- *material: Cu-Be®*



METALMINOTTI



	A	B	C	D		
021 0150	150	60	4	4	50	236.07
021 0180	180	85	5	5	60	262.30
021 0220	220	115	6	6	80	314.75
021 0250	250	130	6	6	100	419.67
021 0280	280	160	9	8	180	498.36
021 0300	300	170	10	8	190	550.82

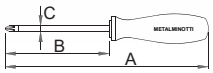
059

Surubelnita cu profil Phillps antiex Cu-Be®

- *material: Cu-Be®*



METALMINOTTI



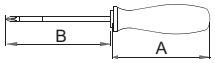
	+	A	B	C		
059 1150	PH 1	150	60	4,5	50	209.84
059 2200	PH 2	200	95	6	65	236.07
059 3250	PH 3	250	130	8	110	419.67

NOU

Surubelnita cu profil Pozidriv antiex Al-Bron

- *material: Al-Bron*





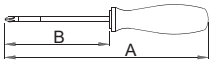
		A	B		
74337	PZ-0	82	50	35	201.77
74348	PZ-1	82	75	40	201.77
72246	PZ-2	112	100	80	237.38
72248	PZ-3	112	150	135	356.19
74366	PZ-4	112	200	210	569.85

NOU

Surubelnita TORX® cu maner bimaterial, antiex, Al-Bron

• *material: Al-Bron*





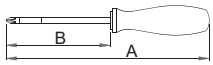
		B	A		
35715	T 10	75	98	67	**356.19**
35717	T 15	75	98	71	**379.82**
35719	T 20	100	98	98	**451.20**
74368	T 25	125	108	103	**498.63**
35721	T 27	150	108	108	**569.85**
35723	T 30	150	108	108	**617.36**
35725	T 40	200	120	160	**664.78**
35727	T 45	250	120	180	**712.13**

NOU

Surubelnita TORX® TAMPER cu maner bimaterial, antiex, Al-Bron

• *material: Al-Bron*





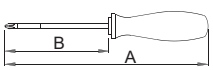
		B	A		
35701	TT 10	75	98	67	**391.80**
35703	TT 15	75	98	71	**415.35**
35705	TT 20	100	98	98	**474.83**
74350	TT 25	125	108	103	**534.24**
35707	TT 27	150	108	108	**593.48**
35709	TT 30	150	108	108	**652.89**
35711	TT 40	200	120	160	**712.13**
35713	TT 45	250	120	180	**771.70**

NOU

Surubelnita cap tubular cu maner bimaterial, antiex, Al-Bron

• *material: Al-Bron*





		B	A		
73880	6	90	100	85	**474.83**
73891	7	100	110	95	**534.24**
73882	8	100	110	100	**771.70**
73884	10	110	110	140	**890.34**
73886	13	110	120	180	**1008.99**
73888	16	120	120	220	**1187.13**
73890	17	120	120	230	**1365.10**

NOU

Trusa 8 surubelnite combinate cu maner bimaterial, antiex, Al-Bron

• *material: Al-Bron*



76470	8	1500	**1727.23**

3 x 50; 4 x 100; 5 x 100; 6 x 100

PH 1; PH2

PZ 1; PZ 2

NOU

Trusa 6 surubelnite combinate cu maner bimaterial, antiex, Al-Bron

• *material: Al-Bron*



76466	6	1200	**1418.72**

3 x 50; 4 x 100; 5 x 100; 8 x 150

PH 1; PH2

NOU

Surubelnita unghiulara antiex Al-Bron

• *material: Al-Bron*



74302	4	125	50	**356.19**
72463	6	72	25	**237.38**
72465	8	125	50	**415.35**
72467	10	195	125	**534.24**

077 NOU

Pila lata cu maner bimaterial, antiex Cu-Be®

• *material: Cu-Be®*



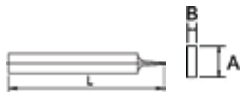
	mm	L		
056 2500	24	250	290	**2032.79**

NOU

Pila lata cu maner bimaterial, semifina antiex Cu-Be®

• *material: Cu-Be*





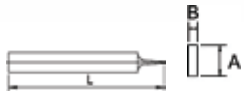
	L	A	B		
71607	200	20	6	350	**3563.53**
71608	300	31	8	750	**4449.33**

NOU

Pila lata cu maner lemn, semifina antiex Cu-Be®

• *material: Cu-Be*





	L	A	B		
72237	500	41	12	1800	**8901.05**

057 NOU

Pila semirotunda cu maner bimaterial, antiex Cu-Be®

• *material: Cu-Be®*



	mm	L		
057 2500	24	250	380	**2032.79**

NOU

Pila semirotunda cu maner bimaterial, antiex Cu-Be®

• *material: Cu-Be®*





	mm	L		
71603	19	200	450	**2595.27**

058 NOU

Pila rotunda cu maner bimaterial, antiex Cu-Be®

• *material: Cu-Be®*



	mm	L		
058 2500	9	250	130	**1377.05**

NOU

Pila rotunda cu maner bimaterial, antiex Cu-Be®

• *material: Cu-Be®*





	mm	L		
71605	19	200	450	**4258.30**

NOU

Pila triunghiulara cu maner bimaterial, antiex Cu-Be®

• *material: Cu-Be®*





	mm	L		
35566	12	200	115	**3104.31**



NOU

Extractor cu 3 brate Al-Bron

• *sculele antiex EGA Master sunt cea mai buna alternativa pentru aplicatii fara scantei in medii potential explozive*
• *dintii maxilarelor au fost atent proiectati pentru a sustine piese mici indiferent de forma lor (poligonala sau cilindrica)*
• *duritatea este de 241-311 Brinell (Al-Bron)*



	L min-max		
72471	50 - 100	4500	**13471.67**
72473	60 - 150	5200	**14956.16**
72475	70 - 200	7100	**15979.69**
72477	80 - 350	13000	**19153.24**

Cheie dinamometrica anti-ex

• *cheile dinamometrice EGA Master anti-ex faciliteaza strangerea controlata cu precizie si confort sporit in medii cu risc ridicat de explozie*
• *reversibila*
• *scala gradata*
• *preselectia cuplului mecanismului intern, cu "clic" atunci cand se atinge cuplul dorit si, prin urmare, nu depinde de capacitatea utilizatorului de a opri strangerea atunci cand indicatorul arata cuplul necesar*
• *cutie individuala pentru mai multa protectie*
• *cu o duritate Brinell de 283-365 si o rezistenta la tractiune de 1250 N / mm2 din aliaj de cupru beriliu*





	■	Nm	L	Dinti		
74810	3/8"	5-45	360	45	950	**23551.67**
74821	1/2"	40-200	500	45	1300	**36601.31**
74823	1/2"	250-300	600	45	1450	**39981.74**
75268	3/4"	150-750	1050	24	5700	**132007.35**
74879	1"	200-1000	1250	24	10000	**135129.18**

NOU

Cheie dinamometrica 1/4" anti-ex Cu-Be

• *material: Cu-Be®*
• *acuratete: 6%*





	■	Nm	L	Dinti		
36803	1/4"	2-12	360	45	860	**20378.54**

Cheie dinamometrica anti-ex

• *cheile dinamometrice EGA Master anti-ex faciliteaza strangerea controlata cu precizie si confort sporit in medii cu risc ridicat de explozie*



	■	Nm	L		
72174	3/8"	100	310	600	**5809.22**
72175	1/2"	300	490	1250	**7745.57**
72176	3/4"	500	560	1700	**10339.02**

015

Ciocan lacatuserie cu maner din lemn, antiex MZW

• *material: MZW*



	g		
015 0300	300	300	**419.67**
015 0500	500	500	**550.82**
015 0800	800	800	**852.46**
015 1000	1000	1000	**1114.75**
015 1500	1500	1500	**1639.34**
015 2000	2000	2000	**1967.21**

NOU

Ciocan lacatuserie tip german cu maner din fibra de sticla, antiex Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
71749	100	300	100	**372.05**
71750	200	300	200	**498.63**
71751	300	300	300	**573.32**
71752	500	300	500	**785.41**
71753	800	300	800	**1034.60**
71754	1000	340	1000	**1208.94**
71755	1500	400	1500	**1620.24**
71756	2000	400	2000	**1994.27**

NOU

Ciocan lacatuserie tip german cu maner hickory, antiex Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
35953	100	300	100	**471.78**
35954	200	300	200	**598.36**
35955	300	300	300	**673.13**
35956	500	300	500	**884.97**
35957	800	300	800	**1134.41**
35958	1000	340	1000	**1308.75**
35959	1500	380	1500	**1769.87**
35960	2000	450	2000	**2243.46**

018

Baros cu maner din lemn, antiex MZW

• *material: MZW*



	kg	maner		
018 0050	500	maner scurt	500	**459.02**
018 0100	1000	maner scurt	1000	**655.74**
018 0150	1500	maner scurt	1500	**983.61**
018 0200	2000	maner scurt	2000	**1311.48**
018 0300	3000	maner lung	3000	**1967.21**
018 0400	4000	maner lung	4000	**2622.95**
018 0500	5000	maner lung	5000	**3278.69**
018 0600	6000	maner lung	6000	**3934.43**
018 0800	8000	maner lung	8000	**5245.90**
018 1000	10000	maner lung	10000	**6557.38**

046

Ciocan de nituit cu maner din lemn, antiex MZW

• *material: MZW*



	G		
046 1000	1000	1000	**1049.18**

NOU

Baros tip german cu maner din fibra de sticla, antiex Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	kg	L		
71766	1,0	400	1000	**1121.94**
71767	1,5	400	1500	**1495.64**
71768	2,0	400	2000	**1869.67**
71769	2,5	900	2500	**2430.68**
71770	3,0	900	3000	**2742.26**
72099	3,5	900	3500	**4237.90**

NOU

Baros tip german cu maner hickory, antiex Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	kg	L		
35905	1,0	380	1000	**1184.23**
35906	1,5	380	1500	**1558.10**
35907	2,0	380	2000	**1931.89**
35908	2,5	900	2500	**2617.50**
35909	3,0	900	3000	**2804.55**
35910	3,5	900	3500	**4362.49**

019

Ciocan de abataj

• *material: MZW*



	G		
019 0500	500	500	**786.89**

NOU

Baros cu maner din fibra de sticla, antiex Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	kg	L		
36028	0,5	370	500	**795.25**
71757	1,0	370	1000	**1325.27**
71758	1,5	370	1500	**1590.41**
71759	2,0	370	2000	**2120.60**
71760	2,5	900	2500	**2650.71**
71761	3,0	900	3000	**3180.82**
71762	4,5	900	4500	**3578.57**
71763	5,0	900	5000	**4241.20**
71764	6,8	900	6800	**5566.39**
71765	8,0	900	8000	**6891.91**
72211	10	900	10000	**9277.48**
72974	12	900	12000	**10602.84**

NOU

Baros cu maner hickory, antiex Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	kg	L		
36185	0,5	370	500	**795.25**
35882	1,0	370	1000	**1325.27**
35883	1,5	370	1500	**1590.41**
35884	2,0	370	2000	**2120.60**
35885	2,5	900	2500	**2650.71**
35886	3,0	900	3000	**3180.82**
35887	4,5	900	4500	**3578.57**
35888	5,0	900	5000	**4241.20**
35889	6,8	900	6800	**5566.39**
35890	8,0	900	8000	**6891.91**
35891	10	900	10000	**9277.48**
35892	12	900	12000	**10602.84**

NOU

Baros cu maner din fibra de sticla, antiex Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	kg	L		
79931	2,0	380	2000	**1325.27**
35763	3,0	380	3000	**1325.27**
35765	5,0	840	5000	**2120.60**
35767	7,5	840	7500	**2915.60**
35769	10	840	10000	**3445.96**
79933	12	840	12000	**4638.54**
35771	15	840	15000	**5831.61**
35773	18	840	18000	**7952.13**

NOU

Baros cu maner din fibra de sticla, antiex, din alama

• *material: alama*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
72740	300	280	300	**419.64**
72741	500	300	500	**505.98**
72742	1000	370	1000	**926.04**
72743	1500	370	1500	**1187.13**
72744	2000	370	2000	**1424.42**
72745	3000	900	3000	**2255.52**
72746	4000	900	4000	**2611.63**
72747	5000	900	5000	**2967.65**
72748	7000	900	7000	**4036.05**
72749	10000	900	10000	**6172.68**

NOU

Baros cu maner din fibra de sticla, antiex, din cupru

• *material: Cu*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
72750	450	300	450	**482.52**
72751	1000	370	1000	**949.75**
72752	2500	900	2500	**1780.61**
72753	3600	900	3600	**2374.17**
72754	4500	900	4500	**2967.65**
72755	5400	900	5400	**3561.21**
72756	6400	900	6400	**4392.15**
72757	10000	900	10000	**7716.07**

NOU

Baros cu maner hickory, antiex Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	kg	L		
36439	2,0	380	2000	**1325.27**
35893	3,0	380	3000	**1325.27**
35894	5,0	840	5000	**2120.60**
35895	7,5	840	7500	**2915.60**
35896	10	840	10000	**3445.96**
36441	12	840	12000	**4638.54**
35897	15	840	15000	**5831.61**
35898	18	840	18000	**7952.13**

NOU

Baros cu maner hickory, antiex, din alama

• *material: alama*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
35965	300	310	300	**474.83**
35966	500	310	500	**569.85**
35967	1000	320	1000	**1008.99**
35968	1500	360	1500	**1281.90**
35969	2000	380	2000	**1543.07**
35970	3000	700	3000	**2374.17**
35971	4000	800	4000	**2849.09**
35972	5000	800	5000	**3561.21**
35973	7000	900	7000	**4510.80**
35974	10000	900	10000	**7122.43**

NOU

Baros cu maner hickory, antiex, din cupru

• *material: Cu*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
35975	450	310	450	**652.89**
35976	1000	320	1000	**1127.80**
35977	2500	380	2500	**2136.55**
35978	3600	700	3600	**2908.33**
35979	4500	800	4500	**3798.59**
35980	5400	800	5400	**4273.42**
35981	6400	800	6400	**5223.34**
35982	10000	900	10000	**8546.93**

017

Ciocan cu o fata semirotunda cu maner din lemn, antiex MZW

• material: MZW



	kg		
017 0150	150	150	**340.98**
017 0300	300	300	**524.59**
017 0500	500	500	**721.31**
017 0800	800	800	**918.03**
017 1000	1000	1000	**1180.33**
017 1500	1500	1500	**1508.20**
017 2000	2000	2000	**1967.21**

NOU

Ciocan cu o fata semirotunda cu maner din fibra de sticla, antiex Al-Bron

• material: Al-Bron
• ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice
• atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.



	g	L		
71743	200	280	200	**411.46**
71744	500	310	500	**610.83**
71745	700	340	700	**722.95**
71746	900	350	900	**934.96**
36069	1100	350	1100	**1152.42**

NOU

Ciocan cu o fata semirotunda cu maner hickory, antiex Al-Bron

• material: Al-Bron
• ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice
• atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.



	g	L		
35937	200	280	200	**498.63**
35938	500	310	500	**673.13**
35939	700	340	700	**872.58**
35940	900	350	900	**1084.26**
36231	1100	380	1100	**1238.77**

NOU

Ciocan cu o fata semirotunda cu maner din fibra de sticla, antiex, din alama

• material: alama
• ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice
• atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.



	g	L		
72782	230	280	230	**274.14**
72783	340	280	340	**356.19**
72784	450	310	450	**451.20**
72785	680	340	680	**593.48**
72786	910	350	910	**747.99**
72787	1130	400	1130	**1068.48**

NOU

Ciocan cu o fata semirotunda cu maner din fibra de sticla, antiex, din cupru

• material: Cu
• ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice
• atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.



	g	L		
72788	230	280	230	**315.29**
72789	340	280	340	**409.56**
72790	450	310	450	**518.54**
72791	680	340	680	**682.63**
72792	910	350	910	**860.02**
72793	1130	400	1130	**1228.69**

NOU

Ciocan cu o fata ascutita cu maner din fibra de sticla, antiex, Al-Bron

• material: Al-Bron
• ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice
• atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.



	g	L		
71747	500	350	500	**746.33**
71748	900	350	900	**1148.13**

NOU

Ciocan cu o fata ascutita cu maner hickory, antiex, Al-Bron

• material: Al-Bron
• ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice
• atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.



	g	L		
35943	500	380	500	**918.52**
35944	900	380	900	**1320.23**

NOU

Baros tip german pentru piatra cu maner din fibra de sticla, antiex, din alama

• material: alama
• ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice
• atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.



	g	L		
72764	500	350	500	**534.24**
72765	1000	400	1000	**747.99**
72766	1500	400	1500	**997.09**
72767	1800	400	1800	**1127.80**
72768	2000	400	2000	**1246.37**
72769	2700	900	2700	**1620.24**
72770	3600	900	3600	**2825.13**
72771	4000	900	4000	**3086.30**
72772	5000	900	5000	**3442.57**

NOU

Ciocan pentru retezare cu maner din fibra de sticla, antiex, Al-Bron

• material: Al-Bron
• ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice
• atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.



	g	L		
71771	1300	400	1300	**1661.88**
71772	2100	400	2100	**2492.82**

NOU

Ciocan pentru retezare cu maner hickory, antiex, Al-Bron

- *material: Al-Bron*
- *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
- *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
35963	1300	380	1300	**1780.61**
35964	2100	380	2100	**2670.95**

NOU

Ciocan-dalta cu maner hickory, antiex, Al-Bron

- *material: Al-Bron*
- *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
- *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
35915	200	280	200	**598.19**
35916	400	355	400	**997.09**
35917	600	355	600	**1353.36**
35918	900	380	900	**1801.84**

NOU

Ciocan cu varf despicat cu maner din fibra de sticla, antiex, Al-Bron

- *material: Al-Bron*
- *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
- *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
71780	500	325	700	**949.75**
71781	700	325	800	**1187.13**

016

Ciocan cu doua fete rotunde cu maner din lemn, antiex MZW

- *material: MZW*



	kg		
016 0300	300	300	**459.02**
016 0500	500	500	**590.16**
016 0900	900	900	**1049.18**

NOU

Ciocan de zidar cu maner din fibra de sticla, antiex, Al-Bron

- *material: Al-Bron*
- *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
- *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
71778	700	340	700	**949.75**
71779	800	340	800	**1424.42**

NOU

Ciocan cu varf despicat cu maner din fibra de sticla, antiex, din alama

- *material: alama*
- *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
- *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
36027	500	275	500	**672.80**

NOU

Ciocan-dalta cu maner din fibra de sticla, antiex, Al-Bron

- *material: Al-Bron*
- *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
- *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
71773	200	280	200	**562.66**
71774	400	355	400	**968.75**
71775	600	355	600	**1317.51**
71776	900	400	900	**1766.31**

NOU

Ciocan de zidar cu maner hickory, antiex, Al-Bron

- *material: Al-Bron*
- *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
- *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
35923	700	340	700	**1205.39**
35924	800	340	800	**1549.76**

NOU

Ciocan cu varf despicat cu maner hickory, antiex, Al-Bron

- *material: Al-Bron*
- *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
- *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
35927	500	275	700	**1187.13**
35928	700	338	800	**1424.42**

NOU

Ciocan nylon cu maner din fibra de sticla, antiex, Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	Ø	L		
71782	800	50	340	800	**1246.37**
73393	1000	55	400	1000	**1661.88**

NOU

Ciocan nylon cu maner hickory, antiex, Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	Ø	L		
35931	800	50	340	800	**1483.91**
35932	1000	55	380	1000	**1899.25**

NOU

Ciocan testare cu maner hickory, antiex, Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
75212	125	380	800	**638.18**
75213	250	380	1000	**753.11**

NOU

Ciocan tambur cu maner hickory, antiex, din cupru

• *material: Cu*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
72758	300	280	300	**393.53**
72759	570	310	570	**640.66**
72760	810	340	810	**927.11**
72761	1100	350	1100	**1183.41**
72762	1600	400	1600	**1721.37**
72763	2300	400	2300	**2272.05**

NOU

Ciocan de abataj cu maner din fibra de sticla, antiex, din alama

• *material: alama*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g		L		
72794	205	alama	330	205	**255.72**
72795	370	alama	350	370	**413.20**

NOU

Ciocan de abataj cu maner hickory, antiex, din alama

• *material: alama*



	g		L		
36013	205	alama	330	205	**443.11**
36014	370	alama	350	370	**648.18**

NOU

Baros cu maner din fibra de sticla, antiex, din alama

• *material: alama*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
72796	4500	900	4500	**4028.86**
72797	5400	900	5400	**4884.50**
72798	7650	900	7650	**7143.99**

NOU

Baros cu maner din hickory, antiex, din alama

• *material: alama*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*
• *atasarea capului-maner este intarită, evitand complet desprinderea capului de maner.*



	g	L		
36015	4500	800	4500	**5199.46**
36016	5400	800	5400	**5987.69**
36017	7650	900	7650	**8265.93**

NOU

Nicovala antiex, Al-Bron

• *material: Al-Bron*
• *ciocanele antiex EGA Master sunt proiectate pentru operatiuni de lovire în zone cu risc de explozie, cum ar fi; constructii navale, intretinere instalatii industriale, petrochimice*



	g		
73735	3000	3000	**3798.59**
73737	5000	5000	**6321.07**
73739	16000	16000	**20001.78**

072

Spaclu lung

• *material: Cu Be*



METALMINOTTI

	mm	L		
072 2800	350	380	90	629.51

044 NOU

Spaclu rigid

• *material: MZW*



METALMINOTTI

	mm		
044 0030	30	100	288.52
044 0040	40	120	314.75
044 0060	60	190	340.98
044 0080	80	200	393.44
044 0110	100	250	472.13

071

Spaclu rigid

• *material: MZW*



METALMINOTTI

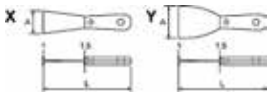
	mm		
071 0040	40	120	445.90
071 0060	60	180	550.82
071 0080	80	200	852.46
071 0100	100	220	918.03

NOU

Spaclu

• *material: Al-Bron*





EGA Master ART IN INNOVATION

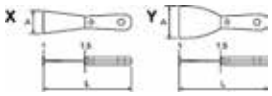
	Tip	I	L		
71621	X	25	200	85	676.93
71622	X	30	200	95	689.74
71623	X	40	200	105	714.94
71624	X	50	200	115	740.71
71625	X	60	200	115	779.05
71626	Y	75	200	135	1136.40
71627	Y	80	200	150	1136.40
71628	Y	100	200	150	1200.02
36788	Y	200	200	200	2416.39

NOU

Spaclu

• *material: Al-Bron*





EGA Master ART IN INNOVATION

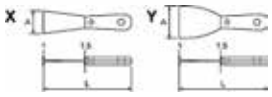
	Tip	I	L		
36031	X	25	200	100	676.93
36033	X	30	200	110	689.74
36035	X	40	200	120	714.94
36037	X	50	200	130	740.71
36039	X	60	200	140	779.22
36041	Y	75	200	180	1136.40
36043	Y	80	200	190	1136.40
36045	Y	100	200	220	1200.02
36939	Y	200	200	330	2416.39

NOU

Spaclu flexibil

• *material: Cu-Be*





EGA Master ART IN INNOVATION

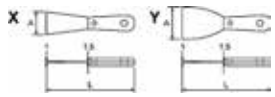
	Tip	I	L		
35730	X	25	200	85	1346.84
35732	X	30	200	95	1423.02
35734	X	40	200	105	1550.01
35736	X	50	200	115	1550.01
35738	X	60	200	115	1550.01
35740	Y	75	200	135	2261.39
35742	Y	80	200	150	2261.39
35744	Y	100	200	150	2388.13

NOU

Spaclu flexibil

• *material: Cu-Be*





EGA Master ART IN INNOVATION

	Tip	I	L		
36046	X	25	200	100	1346.84
36048	X	30	200	110	1423.02
36050	X	40	200	120	1550.01
36052	X	50	200	130	1550.01
36054	X	60	200	140	1550.01
36056	Y	75	200	180	2261.39
36058	Y	80	200	190	2261.39
36060	Y	100	200	220	2388.13

NOU

Rascheta cu lama dreapta

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	I	L		
72162	30	200	300	531.43
72163	30	300	425	797.39
72164	35	350	550	988.91
72165	50	350	900	1403.35
72166	60	400	1400	2126.71

055

Rascheta de mana

• *material: MZW*



METALMINOTTI

	mm	L		
055 8000	80	255	450	721.31

053

Rascheta de perete

• *material: MZW*



METALMINOTTI

	mm	L		
053 1000	100	100	900	786.89
053 1500	150	150	1300	983.61

NOU

Rascheta cu lama lunga

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	I	L		
71566	60	185	1500	931.16
71567	100	225	2600	988.25
71568	150	180	2600	1364.93
71569	125	225	1200	1542.82

73760 NOU

Rascheta cu lama lunga

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	mm	L		
73760	95	480	650	3829.24

72156 NOU

Rascheta cu lama lunga

• *material: Al-Bron*



	mm	L		
72156	50	900	650	942.81

73745 NOU

Rascheta cu lama lunga

• *material: Al-Bron*



	mm	L		
73745	50	900	650	1085.75

040

Rascheta cotita

• *material: MZW*



	mm	L		
040 0255	255	255	480	498.36

72168 NOU

Rascheta cu lama lunga

• *material: Al-Bron*



	mm	L		
72168	40	270	350	1320.31

73749 NOU

Rascheta cu lama lunga

• *material: Al-Bron*



	mm	L		
73749	48	300	400	1320.31

NOU

Rascheta cu lama lunga

• *material: Al-Bron*



	I	L		
73751	50	695	900	1969.48
73753	75	710	1100	2423.83
73755	100	710	1200	2878.42
73757	150	750	2000	4584.91

73763 NOU

Rascheta cu lama lunga

• *material: Al-Bron*



	mm	L		
73763	75	600	650	4647.38

NOU

Rascheta cu lama curbata

• *material: Al-Bron*



	I	L		
73766	50	190	400	2454.15
73768	100	210	650	3322.68
73770	150	220	800	4645.64

073

Rascheta cu lama dreapta

• *material: MZW*



	mm	L		
073 3150	315	315	210	1573.77

074

Rascheta cu lama triunghiulara

• *material: MZW*



	mm	L		
074 3100	310	310	210	550.82

73399 NOU

Rascheta trunghiulara

• *material: Al-Bron*



	mm	L		
73399	420	300	250	1007.26

070

Rascheta cu varf triunghiular

• *material: MZW*



	mm	L		
070 5000	440	440	600	983.61

73776 NOU

Rascheta trunghiulara

• *material: Al-Bron*



	mm	L		
73776	150	470	1000	3544.94

077

Rascheta pentru zidarie

• *material: MZW*



	mm	L		
077 4800	80	480	1250	1022.95

73786 NOU

Rascheta pentru zidarie

• *material: Al-Bron*



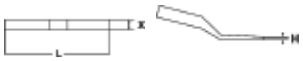
	mm	L		
73786	75	450	1250	3797.35

NOU

Unealta de calafuit

• *material: Al-Bron*





	L	X	X		
72602	200	20	5	450	1565.95
72604	250	20	8	600	2067.23

NOU

Unealta de calafuit

• *material: Al-Bron*



	I	L		
71557	1000	32	6500	7219.02
71558	1200	36	9500	11088.58
71559	1500	36	13000	12475.90
EGA-71560	1000	50	16000	11088.58
EGA-71561	1200	50	18000	12072.54

090

Ac de trasat

• *material: CuBe*



	mm	L		
090 1900	190	390	50	459.02

089

Dorn unghiular

• *material: MZW*



	mm	L		
089 0300	300	300	600	839.34
089 0450	450	450	1000	1901.64

NOU

Ac de trasat

• *material: Al-Bron*



	Ø	L		
74218	12	400	500	1625.85
74220	16	600	1000	2858.09

080

Levier

• *material: MZW*



	⬡	L		
080 0450	17	450	800	852.46
080 0600	17	600	1400	1114.75
080 0750	22	750	2500	1967.21
080 0900	22	900	3600	2885.25

039

Levier

• *material: MZW*



	⬡	L		
039 0650	650	650	2000	2754.10
039 0800	800	800	2900	3672.13
039 1000	1000	1000	4300	4786.89
039 1250	1250	1250	7000	7344.26
039 1500	1500	1500	9000	9442.62

NOU

Levier

• *material: Al-Bron*



	⬡	L		
71570	19	500	1300	1902.72
EGA-71571	23	800	2900	3933.18
EGA-71572	28	1000	4500	5631.25

NOU

Levier

• *material: Al-Bron*



	●	L		
73834	15	500	700	1858.19
73836	19	500	1000	2898.58
73838	20	500	1200	3262.12
73840	25	500	1800	4979.02
73842	30	500	2700	7362.53
73844	25	600	2200	5978.84
73846	30	600	3300	8675.24
73848	23	800	2100	5766.75
73850	25	800	3000	7998.81
73852	30	800	4500	11281.09
73854	30	850	4500	12240.26
73856	25	1000	3800	10028.61
73858	28	1000	4500	11835.66
73860	30	1000	5500	14067.47
73862	25	1200	4500	12078.40
73864	30	1200	6500	17552.58
73866	30	1500	8500	21784.28

079

Ranga

• *material: MZW*



	⬡	L		
079 0450	17	450	900	1442.62
079 0600	17	600	1500	1770.49
079 0750	22	750	2700	2360.66
079 0900	22	900	3400	3934.43

NOU

Ranga

• *material: Al-Bron*



	⬡	L		
71577	16	460	1300	1436.57
EGA-71578	19	600	2400	1978.98
EGA-71579	19	750	3000	2660.13
71580	19	900	3300	3532.87

Dalta cu varf lat

• *material: MZW*



	⬡	L		
024 0150	14	150	180	393.44
024 0175	17	175	330	459.02
024 0200	17	200	330	524.59
024 0250	17	250	580	655.74
024 0300	19	300	700	786.89
024 0350	22	350	1000	918.03
024 0400	24	400	1400	1049.18
024 045	2	450	153	1180.33

Dalta cu varf lat

• *material: Al-Bron*



	⬡	L		
76067	14	160	160	489.05
71509	22	150	240	536.31
71510	22	200	310	689.74
36029	23	220	430	974.37
79832	20	225	300	974.37
71511	24	250	500	932.23
72622	24	300	600	1129.13
71512	25	300	700	1129.13
79830	13	305	210	736.91
71513	27	400	1100	1478.54
79831	26	460	1200	2472.66

Dalta cilindrica cu varf lat

• *material: Al-Bron*



	⬡	L		
73789	14	160	175	686.93
73791	16	160	230	747.49
73793	18	160	280	878.70
73795	18	200	370	1100.70
73797	20	200	470	1333.20
73799	24	250	800	2282.54
73801	24	300	1000	2847.85
73803	25	300	1250	3615.42
73805	25	400	1400	4160.89
73807	25	500	1800	5221.44
73809	30	500	2650	7473.74

026

Dalta hexagonala cu varf lat

• *material: MZW*



METALMINOTTI

	L		
026 0150	14	150	170	655.74
026 0200	14	200	300	983.61
026 0250	17	250	550	1311.48
026 0300	17	300	650	1639.34
026 0350	19	350	1000	2032.79
026 0400	22	400	1500	3016.39
026 0450	22	450	1700	3409.84

NOU

Dalta hexagonala cu varf lat

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L		
73812	10	150	100	316.36
73814	14	200	250	510.36
73816	16	160	260	536.55
73818	14	250	320	638.43
73820	17	300	700	1476.14
73822	17	350	900	1701.21
73824	22	600	1800	3504.62
73826	25	300	1100	2205.62
73828	30	500	2700	5087.51

241

Dalta cu varf ascutit

• *material: MZW*



METALMINOTTI

	L		
241 0150	150	180	393.44
241 0175	175	330	459.02
241 0200	200	330	524.59
241 0250	250	580	655.74
241 0300	300	700	786.89
241 0350	350	1000	918.03
241 0400	400	1400	1049.18
241 0450	450	1530	1180.33

NOU

Dalta cu varf ascutit

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	L		
73779	140	270	1020.06
73781	200	450	1636.02
73783	300	800	2676.41

NOU

Dalta diamantata cu varf lat

• *material: Al-Bron*



EGA Master ART IN INNOVATION

		L		
71544	16	200	300	1396.41
71545	17	250	500	1665.93
71546	19	300	600	1915.70
71547	20	400	1000	2829.26

084

Dalta cu varf ascutit pneumatica

• *material: MZW*



METALMINOTTI

		L		
084 0450	25,4	450	1800	1311.48

085

Dalta lunga cu varf lat

• *material: MZW*
• *dimensiuni coada: Ø40/Ø25x65 mm*



METALMINOTTI

	D	d	A	L		
085 3300	40	25	65	330	1300	2819.67
085 4300	40	25	65	430	1750	3672.13
085 5300	40	25	65	530	2150	4459.02

NOU

Punctator

• *material: Al-Bron*



EGA Master ART IN INNOVATION

		L		
71516	-	100	60	396.42
71517	-	150	80	619.67

037

NOU

Punctator

• *material: MZW*



METALMINOTTI

	Ø	L		
037 0100	100	100	50	432.79
037 0145	145	145	60	668.85

NOU

Dorn

• *material: Al-Bron*



EGA Master ART IN INNOVATION

	Ø1	Ø2	L		
71527	1,4	3	110	5	420.47
71528	1,8	4	110	10	420.47
36208	2	5	110	10	438.98
71529	2,4	5	110	10	438.98
71530	2,8	6	110	19	438.98
71531	3	6	110	19	438.98
71532	4	8	120	38	438.98
71533	5	10	130	65	492.02
71534	6	12	140	95	540.02
71535	8	16	150	175	574.73
36547	10	16	150	210	697.92
36212	10	14	150	175	824.16

Dorn conic

• *material: MZW*



METALMINOTTI

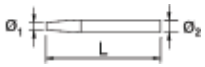
	Ø1	L		
081 0020	2	120	120	367.21
081 0030	3	120	120	367.21
081 0040	4	120	120	367.21
081 0050	5	120	120	367.21
081 0060	6	120	120	367.21
081 0080	8	150	200	367.21
081 0100	10	175	300	590.16
081 0120	12	175	450	655.74
081 0160	16	175	900	983.61
081 0200	20	250	1250	1770.49
081 0250	25	25	220	2163.93

NOU

Dorn conic

• *material: Al-Bron*





EGA Master ART IN INNOVATION

	Ø1	Ø2	L		
71472	2	10	150	60	247.70
71473	3	10	150	60	247.70
71474	4	10	150	60	247.70
71475	5	10	150	60	247.70
EGA-71476	6	10	150	60	247.70
71477	7	12	150	70	290.01
71478	8	12	150	70	290.01
71479	9	14	150	200	394.69
71480	10	14	150	200	394.69
71481	11	16	150	200	514.99
71482	12	16	150	200	514.99
71483	13	18	150	300	651.73
71484	14	18	150	300	651.73
71485	15	20	200	400	1008.41
71486	16	20	200	400	1008.41
71487	17	22	200	500	1159.37
71488	18	22	200	500	1159.37
71489	19	24	250	800	1731.53
71490	20	24	250	800	1731.53
71491	21	26	250	900	2024.18
71492	22	26	250	900	2024.18
76100	23	26	250	950	2043.51
76102	24	26	250	1100	2090.94
76065	24	28	250	1200	2378.14
36543	25	30	180	1100	2341.12
76104	25	30	250	1500	2412.26
76106	26	26	250	1200	2535.37
76069	26	30	250	1300	2734.57
76108	27	30	250	1400	2852.89
76071	28	32	250	1550	3099.93
76098	30	34	250	1800	3587.16
36545	35	40	200	2000	3689.28

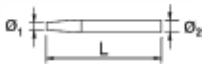
082

Dorn varf ac

• *material: MZW*



METALMINOTTI



	Ø	L		
082 0300	2	150	60	524.59
082 0400	3	150	140	590.16
082 0500	4	150	140	655.74
082 0600	5	150	120	721.31
082 0700	6	150	150	786.89
082 0800	8	150	190	852.46
082 1000	10	160	260	918.03
082 1200	12	180	330	1049.18
082 1600	16	200	430	1311.48

041

Pana

• *material: MZW*



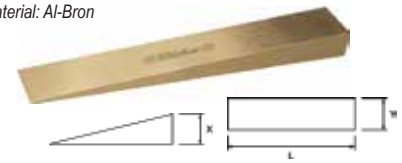
METALMINOTTI

		L		
041 1050	50	100	10	301.64
041 1325	25	150	13	249.18
041 1330	30	150	13	288.52
041 1340	40	150	13	314.75
041 2040	40	230	20	760.66
041 4040	40	230	40	1049.18

041 NOU

Pana

• *material: Al-Bron*



	L	Y	X		
78968	80	13	6-0	50	90.89
71493	100	50	10-0	200	336.61
71494	135	50	18-0	500	639.58
EGA-71495	150	25	8-0	100	252.41
EGA-71496	150	25	13-0	200	302.98
EGA-71497	150	40	8-0	200	336.61
71498	150	50	13-0	400	572.33
71499	180	13	6-0	300	252.41
71500	180	32	13-0	300	387.01
71501	180	50	19-0	700	858.37
71502	200	20	30-0	500	757.49
36216	200	30	20-0	600	757.49
71503	200	30	30-0	800	925.71
71504	200	40	40-0	1300	1599.00
71505	200	50	12-0	500	656.36
71506	230	40	20-0	800	976.19
71507	250	40	30-0	1300	1514.81
79935	250	50	40-0	2100	2422.50
71508	300	50	40-0	2500	2962.53
79937	300	50	50-0	3100	3646.15

095

Barda

• *material: MZW*



METALMINOTTI

	mm	L		
095 3000	300	300	750	590.16

341

Tarnacop

• *material: MZW*



METALMINOTTI

	mm	L		
341 5800	580	580	240	2098.36

020

Topor cu maner lung

• *material: MZW*



METALMINOTTI

	mm	L		
020 9000	900	900	3000	1573.77

033

Topor cu maner scurt

• *material: MZW*



METALMINOTTI

	kg	L		
033 1000	1000	450	1000	1049.18

NOU

Topor pompier antiex, Al-Bron

• *material: Al-Bron*
• *duritate: 229-291 Brinell (Al-Bron).*



EGA Master ART IN INNOVATION

	mm	Ø	Ø		
72152	340	145	98	1300	2139.27

NOU

Topor antiex, Al-Bron

• *material: Al-Bron*
• *duritate: 229-291 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

	mm	H	B		
72154	340	200	82	950	2192.73

094

Faras antiex

• *material: MZW*



METALMINOTTI

	mm	L		
094 0540	120 x 200	540	400	1390.16

NOU

Faras antiex Cu-Be

• *sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 283-365 Brinell (Cu-Be)*



EGA Master ART IN INNOVATION

	L	H	B			
74621	150	20	130	100	1	**2653.27**
74622	200	50	200	250	1	**3594.18**
74623	270	50	250	150	1	**4402.48**
72490	350	60	320	190	1	**4802.29**

091

Lopata dreapta

• *material: MZW*



METALMINOTTI

	mm	L		
091 1300	220 x 310	1300	2000	**1337.70**

093

Lopata semirotunda

• *material: MZW*



METALMINOTTI

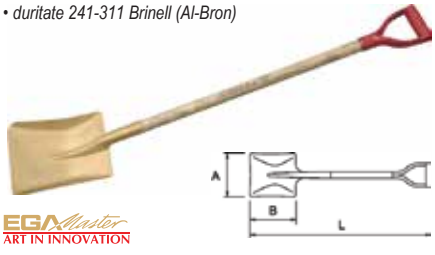
	mm	L		
093 1300	250 x 280	1300	2000	**1337.70**

71616

NOU

Lopata antiex Al-Bron cu coada D

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

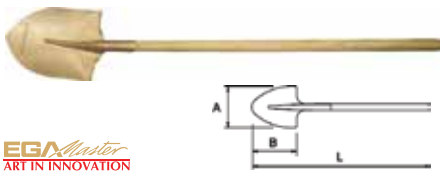
	L	A	B			
71616	1350	240	290	1500	1	**1930.73**

71618

NOU

Lopata antiex Al-Bron cu varf rotunjit

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

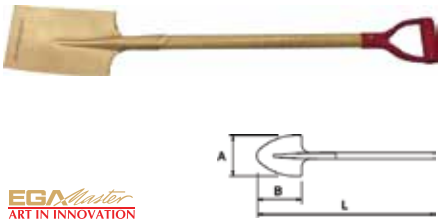
	L	A	B			
71618	1350	240	290	1500	1	**2112.59**

71620

NOU

Sapa antiex Al-Bron cu maner D

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



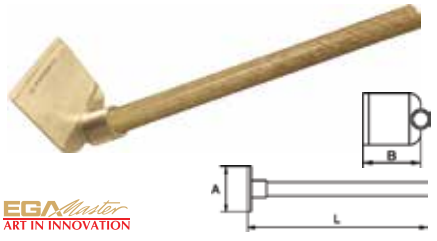
EGA Master ART IN INNOVATION

	L	A	B			
71620	1120	180	280	1500	1	**2053.51**

NOU

Sapa antiex Al-Bron

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

	L	A	B			
74254	900	130	130	1200	1	**4054.14**
74256	900	200	200	1800	1	**5799.30**

NOU

Sapa antiex Al-Bron

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

	L	A	B			
74249	900	130	130	1000	1	**4054.14**
36225	900	200	200	1700	1	**5799.30**

71620

NOU

Furca antiex Al-Bron cu 3 dinti

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

	L	A	B			
74232	1025	200	185	1500	1	**4217.32**

74235

NOU

Furca antiex Al-Bron cu 4 dinti

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

	L	A	B			
74235	1225	200	200	2000	1	**5091.31**

74244 NOU

Furca antiex Al-Bron cu 4 dinti

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

	L	A	B			
74244	900	200	200	2000	1	**5091.31**

74238 NOU

Grebla antiex Al-Bron pentru curatarea ruginii

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

	L	A	B			
74238	350	100	100	900	1	**5172.94**

NOU

Grebla antiex Al-Bron

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

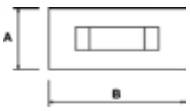
	L	A	B			
74259	1270	350	100	1300	1	**4926.56**
74261	1270	450	120	1500	1	**5665.54**

36071 NOU

Mistrie antiex Al-Bron

• *sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*





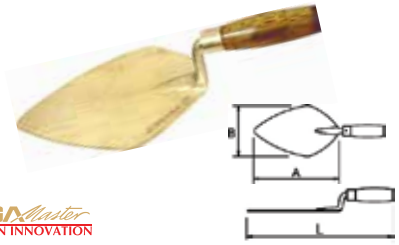
EGA Master ART IN INNOVATION

	A	B			
36071	150	300	850	1	**4155.85**

73773 NOU

Mistrie ascutita antiex Al-Bron

• *lopatele, greblele, furcile si sapele antiex EGA Master sunt solutia ideala pentru aplicatii in medii potential explozive, oferind siguranta maxima. Sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 241-311 Brinell (Al-Bron)*



EGA Master ART IN INNOVATION

	L	A	B			
73773	335	210	130	650	1	**1763.92**

72486 NOU

Galeata antiex Cu

• *sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 283-365 Brinell (Cu-Be)*



EGA Master ART IN INNOVATION

	L	Ø			
72486	250	270	1500	1	**7717.73**

NOU

Cancioc antiex Cu-Be

• *sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 283-365 Brinell (Cu-Be)*



EGA Master ART IN INNOVATION

	L	Ø1	Ø2	H	H1			
72487	150	70	45	40	85	100	1	**1857.28**
72488	200	120	100	75	120	250	1	**2675.66**
72489	270	140	120	80	150	150	1	**4203.36**
74620	350	160	135	90	190	190	1	**5374.13**

74243 NOU

Pompa ulei antiex Cu-Be portabila

• *sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 283-365 Brinell (Cu-Be)*



EGA Master ART IN INNOVATION

	L	Ø			
74243	1100	165	2300	1	**11129.31**

74245 NOU

Cana ulei antiex Cu-Be portabila

• *sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
• *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
• *duritate 283-365 Brinell (Cu-Be)*



EGA Master ART IN INNOVATION

	L	Ø			
74245	350	85	200	1	**1264.30**

NOU

Palnie antiex Cu-Be

- *sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
- *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*
- *duritate 283-365 Brinell (Cu-Be)*



EGA Master ART IN INNOVATION

	L	Ø			
74240	130	160	230	1	1211.83
74241	165	160	250	1	1376.91

74248

Dispozitiv ridicat butoaie

EX

- *material: Al-Bron*



EGA Master ART IN INNOVATION

	kg	max		
74248	700	1060	3200	26247.99

099

Dispozitiv ridicat butoaie

EX

- *material: MZW*



METALMINOTTI COPPER AND UNCONVENTIONAL COPPER ALLOYS

	kg	max		
099 0600	600	1060	3600	2360.66

029

Palan cu lant

EX

- *material: MZW*



METALMINOTTI COPPER AND UNCONVENTIONAL COPPER ALLOYS

	kg	L		
029 0500	500	-	22000	29639.34

291

Lant

EX

- *material: MZW*



METALMINOTTI COPPER AND UNCONVENTIONAL COPPER ALLOYS

		L		
291 0528	5 x 28	-	-	590.16
291 0838	8 x 38	-	-	2098.36
291 1254	12 x 54	-	-	2491.80

NOU

Menghina antiex Al-Bron

- *sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
- *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*



EGA Master ART IN INNOVATION

	inch	mm		
71636	4"	100	15	24901.15
71637	5"	140	18	37671.03
72191	6"	150	27	71594.60
72192	7"	170	28	95770.08

035

Menghina de tamplarie antiex

EX

- *material: MZW*



METALMINOTTI COPPER AND UNCONVENTIONAL COPPER ALLOYS

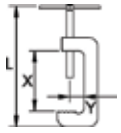
		L		
035 0180	80	180	3160	3344.26
035 0250	120	250	4230	4983.61
035 0430	270	430	13500	8655.74

NOU

Menghina tamplarie antiex Al-Bron

- *sunt proiectate pentru utilizare in medii corozive, cum ar fi lucrari maritime, minerit, stingerea incendiilor, industria chimica, industria petrochimica si multe altele*
- *sunt potrivite pentru manipularea materialelor inflamabile sau explozive, pentru curtaarea in spatii inchise si, in general, pentru sarcini de intretinere in locatii cu risc de explozie*





EGA Master ART IN INNOVATION

	L	X	Y		
72479	210	60	36	1200	3285.17
72481	250	80	36	1400	4124.21
72483	290	100	36	1600	4574.42
72485	340	150	50	2000	5577.46
73425	400	250	150	4900	6827.30

74251

Cleme model F antiex

EX

- *material: Al-Bron*



EGA Master ART IN INNOVATION

	cap		
74251	400	220	7523.98

Sula antiex, Al-Bron

EX

- *material: Al-Bron*



EGA Master ART IN INNOVATION

	mm	Ø		
74226	100 x 180	3	50	472.85

Sula ø 9 x 350 mm alama

EX

- *material: alama*

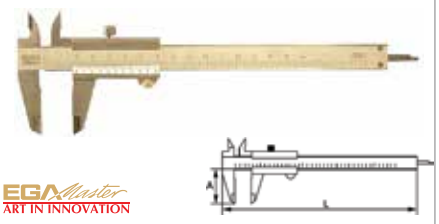


EGA Master ART IN INNOVATION

	mm	Ø		
36094	350 x 450	9	200	1115.16

Subler 150 mm antiex, CuBe

• *material: CuBe*



	mm	citire	A	L		
73730	150	0,02	40	235	350	**8724.90**

096

Perie de sarma rotativa

• *material: MZW*



	D Ø	d Ø		
096 0150	150	22,2	650	**1836.07**

Perie de sarma rotativa

• *material: alama*



	D Ø	d Ø		
71634	150	22	700	**2356.16**
73426	200	32	1000	**3949.05**

NOU

Perie de sarma 3 randuri

• *material: alama*



	mm	L		
72739	350	350	150	**549.61**

NOU

Perie de sarma cu maner

• *material: alama*



	randuri	L		
73419	6	215	60	**372.46**
72526	4	290	170	**413.86**

Perie de sarma 4 randuri

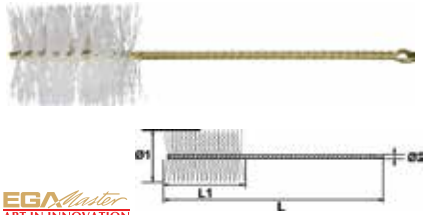
• *material: alama*



	randuri	L		
61581	4	280	120	**85.81**

Perie de sarma antistatica

• *material: alama*



	L	L1	Ø1	Ø2		
79226	320	100	82	6,6	55	**1415.25**

054

Perie de sarma cu maner

• *material: MZW*



	mm	L		
054 3500	350	350	200	**747.54**

541

Perie de sarma

• *material: MZW*



	mm	L		
541 1800	67	180	300	**550.82**

NOU

Perie de sarma

• *material: alama*



	randuri	L		
71632	5	180	200	**858.54**



400

Trusa scule 13 piese

• *material: MZW*

METALMINOTTI

		L		
400 1000	13	390x130x210	4000	**8655.74**

054 (350 mm); **541** (180 mm); **006** (200 mm); **013** (240 mm); **075** (180 mm); **040** (225 mm); **019** (500 g); **021** (180 mm, **220** mm); **071** (80 mm); **044** (60 mm, 40 mm)

500

Trusa scule 26 piese

• *material: MZW*

METALMINOTTI

		L		
500 3000	26	420x230x230	11500	**16603.28**

065 (380 mm); **061** (350 mm); 2 x **054** (350 mm); **012** (250 mm, 200 mm); **013** (240 mm); **006** (200 mm); **024** (250 mm, 175 mm); **041** (40 mm); **015** (800 g); **017** (500 g); **055** (80 mm); **044** (60 mm, 40 mm); **001** (30x32; 24x27, 20x22, 18x19, 16x17, 14x15, 12x13, 10x11, 08x09, 06x07)

200

Set surubelnite si clesti / 4 piese

• *material: MZW*



METALMINOTTI

		L		
200 1000	4	250 x 250	1000	**3409.84**

021 (280 mm); **059** (250 mm); **013** (240 mm); **006** (200 mm)

600

Trusa scule 21 piese

• *material: MZW*

METALMINOTTI

		L		
600 1000	21	640x145x540	20000	**10019.67**

4 x **019** (500 g); **040**(225 mm); 2 x **055** (80 mm); 2 x **053** (100 mm); **044** (30 mm); 2 x **054** (350 mm); **541** (180 mm); 053 (150 mm); 076 (100 mm); **044** (40 mm); **044** (60 mm); 2 x **072** (350 mm)

700

Trusa scule 19 piese

• *material: MZW*

METALMINOTTI

		L		
700 2000	19	640x145x540	24000	**16459.02**

2 x **054** (350 mm); **037** (145 mm); **024** (200 mm); **053** (100 mm); **021** (150 mm); **021** (220 mm); **012** (250 mm); **017** (500 mm); **018** (2000 g); 2 x **040** (225 mm); **012** (200 mm); **012** (380 mm) **065** (380 mm); **055** (80 mm); **061** (350 mm) **076** (100 mm); **080** (450 mm)

800

Trusa scule 32 piese

• *material: MZW*

METALMINOTTI

		L		
800 3000	32	640x145x540	28000	**28000.00**

017 (500 g); **015** (1000 g, 2000 g); **053** (100 mm); **003** (21x23, 27x29); **001** (36x41, 24x27, 32x36, 41x46); **002** (27, 32, 36, 41, 46, 50); **047** (55 mm); **024** (200 mm); **025** (200 mm); 2 x **044** (30 mm); **040** (225 mm); **012** (250 mm, 300 mm); **061** (350 mm); **012** (200 mm); **006** (200 mm); **021** (150 mm, 220 mm); **054** (350 mm); **541** (180 mm); **080** (450 mm)

MasterEx 79784 NOU

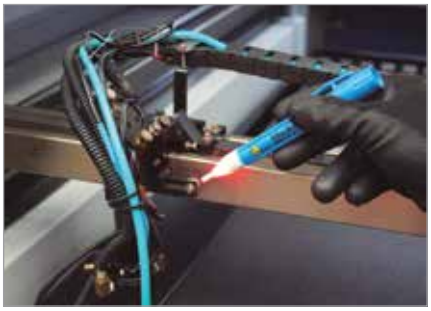
Tester continuitate si camp magnetic

• *MasterEx 79784 este un tester magnetic de dimensiunea creionului, conceput pentru a detecta campurile magnetice in zone periculoase.*
• *sensibilitatea sa ridicata a punctului de testare MasterEx 79784 face posibila detectarea campurilor magnetice prin simpla apropiere a bobinei solenoidului, deci nu este necesara conectarea la circuitul electric sau deschiderea cutiei de borne*
• *este capabil sa detecteze orice solenoid care este activat electric; daca arata o lumina rosie, indica faptul ca este activat campul magnetic*
• *poate fi folosit cu fluxometre sau alte echipamente care functione-za magnetic, chiar si atunci cand sunt amplasate in zone periculoase*
• *include un magnet pentru efectuarea testului functional a unitatii si bateriilor*
• *daca nu este folosit o perioada, se va opri automat pentru a asigura o durata lungă de viata a bateriilor*
• *include clema pentru transport usor*
• *pentru solenoizi, transformatoare, luxmetre, relee in zone periculoase*
• *certificare antiex EX II 2G EEX ia IICT4*
• *certificat de conformitate CE PTB 01 ATEX 2018*
• *nu este necesar contactul cu obiectul*
• *sensibilitate crescuta*
• *rezistent la murdarie*
• *indicator optic*

ZONE: 1, 2 GAZ



EGA Master
ART IN INNOVATION







	Sensibilitate		
79784	30mT	40	**1623.22**

Campuri magnetice detectabile	Alternativ direct, continuu
Detectare	Non contact
Indicator	Optica: LED
Sensibilitate	30mT (millitesla)
Alimentare electrica	2 baterii standard AAA conform IEC LR03, NICd bat. reîncărcabi
Temperatura de lucru	-20°C ... +50°C
Temperatura de depozitare	-40°C ... +60°C
Clasa de protectie	IP54
Materialul carcasei	Punct de testare metal/plastic
Dimensiuni	154xØ15mm
Greutate	40 g (baterii incluse)

Cheie fixa simpla de soc Safewrench®

- *material: Cu-Be*
- *cheia de bataie in siguranta*
- *utilizarea unei chei normale este un dezavantaj urias pentru multe motive insa cea mai importanta este siguranta!*
- *accidentari pot aparea cu usurinta atunci cand tineti o cheie cu o singura mana si incercand sa slabiti sau sa strangeti un surub sau o piulita cu un ciocan in cealalta*
- *Safewrench pune capat oricărui risc legat de siguranta! Asigurandu-se la piulita sau surub, mainile sunt libere sa opereze cu un ciocan*

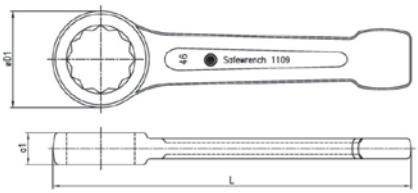
mai multa forta, precizie si concentrare. Prin integrarea a doua saibe elastice, Safewrench este o adevarata inovatie pe un instrument clasic de mana niciodata vazut pana acum!

- *acum e disponibila si in varianta anti-ex potrivita pentru zonele ATEX . Poate fi folosita de catre o singura persoana in deplina siguranta.*
- *saibele elastice interioare păstreaza Safewrench securizata pe surub sau piulita. Chiar si atunci cand lucrati deasupra capului! Se autoasigura si nu cade.*

Nota: *saibele elastice de siguranta sunt fabricate din cupru-Beriliu.*







AMPCO SAFETY TOOLS®

Safewrench®

	mm	L	d1	a1		
SW0024A	24	160	41.5	15	330	**2244.26**
SW0027A	27	180	45.3	16	380	**2244.26**
SW0030A	30	190	50.9	17	480	**2642.62**
SW0032A	32	190	50.9	17	480	**2642.62**
SW0036A	36	205	50.7	19	660	**2840.98**
SW0041A	41	225	62.9	20	930	**3740.98**
SW0046A	46	240	71.3	22	1150	**4244.26**
SW0050A	50	255	77.1	23	1330	**4963.93**
SW0055A	55	272	87.4	25	1650	**5618.03**
SW0060A	60	272	87.4	25	1820	**6513.11**
SW0065A	65	300	97.8	28	2410	**7706.56**
SW0070A	70	330	107.9	32	2700	**11854.10**
SW0075A	75	330	107.9	32	2940	**13029.51**

	mm		
SW1031B	1.1/4"	480	**3052.46**
SW1036B	1.7/16"	660	**3277.05**
SW1041B	1.5/8"	930	**4303.28**
SW1046B	1.13/16"	1150	**4890.16**
SW1050B	2"	1330	**6286.89**
SW1055B	2.3/16"	1650	**7124.59**
SW1060B	2.3/8"	1820	**8252.46**
SW1065B	2.9/16"	2410	**9767.21**
SW1070B	2.3/4"	2700	**15044.26**

Dimensiunile in inch se aduc numai pe comenzi speciale



Scule anti-ex izolate la 1000 V

Anumite zone de lucru prezinta 2 riscuri diferite pentru sanatate si siguranta: prezinta tensiune electrica, in timp ce mediul inconjurator poate prezenta un agent exploziv (cum ar fi gaze sau praf).
Astfel de zone pot aparea in:

- Fabricarea bateriilor
- Repararea si intretinerea bateriilor
- Intretinerea electrica in zonele ATEX.

Gama de scule EGA Master Anti-Ex izolate la 1000 V ofera scule izolate in conditii de siguranta, certificate conform standardului international IEC 60900, asigurandin acelasi timp proprietati totale anti-ex pentru zonele clasificate ATEX. Instrumentele au exact aceeasi forma si design ca instrumentele de inalta calitate EGA Master, anti-ex, dar cu izolatia necesara si adecvata pentru lucrarile sub tensiune. Fabricate din Al-Br sau Cu-Be, ambele aliaje sunt certificate de catre institutia federala germana BAM, acreditata de Uniunea Europeana pentru aprobarea produselor care vor fi utilizate in medii cu pericol de explozie.

Cleste combinat anti-ex Cu-Be izolat la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79030	160	250	**2857.35**
79032	180	320	**2922.37**
76240	200	370	**2987.07**

Cleste telefonist anti-ex Cu-Be izolat la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79038	160	250	**2727.38**
79040	180	320	**2727.38**
76242	200	370	**2792.33**

Cleste cu varfuri rotunde anti-ex Cu-Be izolat la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79036	160	250	**3246.92**

Cleste imbinari anti-ex Cu-Be izolat la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79050	8”	250	**2792.33**

Cleste cu tais lateral anti-ex Cu-Be izolat la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79042	160	250	**2857.35**

Cleste dezizolat cabluri anti-ex Cu-Be izolat la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79052	170	220	**4675.80**

Cleste cu tais lateral Heavy Duty anti-ex Cu-Be izolat la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79044	160	260	**2922.37**
79046	180	320	**3116.95**

Cleste tevi gaz anti-ex Cu-Be izolat la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79048	210	370	**4286.23**

Cleste reglabil pentru instalatii anti-ex Cu-Be izolat la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79358	10”	350	**4845.59**

Cheie reglabila anti-ex Cu-Be izolata la 1000 V

- *unelte izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L			
79361	8”	25	330	**3673.58**
79362	10”	30	550	**4698.77**

Surubelnita lata anti-ex Cu-Be izolat la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
79155	3 x 75	35	**405.02**
72227	4 x 100	60	**503.34**
79157	5 x 100	75	**527.88**
79159	6 x 150	110	**724.19**
79161	8 x 200	165	**969.91**

Surubelnita Phillips anti-ex Cu-Be izolat la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



	L		
72225	PH 0	50	**356.10**
79147	PH 1	75	**515.65**
79149	PH 2	110	**638.34**
79151	PH 3	165	**896.29**
79153	PH 4	245	**1448.88**

Trusa scule electricieni anti-ex Cu-Be izolat la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*





79087	13	5700	**24313.13**

Cleste combinat (76240), Cleste cu tais lateral (79042), Cleste dezizolat cabluri (79052), Cheie reglabila (79362), Cleste reglabil (79359)
Surubelnite Phillips PH 1 (79147), PH 2 (79149), PH 3 (79151), Surubelnite late 3x75 (79155), 4x100 (72227), 5x100 (79157) 6x150 (79159), 8x200 (79161)

Chei fixe anti-ex Cu-Be izolat la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



		L		
79250	6	90	50	**1493.74**
79251	7	90	50	**1493.74**
79252	8	95	60	**1493.74**
79253	9	105	60	**1493.74**
79254	10	105	60	**1493.74**
79255	11	110	60	**1493.74**
79256	12	115	60	**1493.74**
79257	13	125	60	**1558.52**
79258	14	130	60	**1558.52**
79259	15	135	60	**1558.52**
79260	16	140	60	**1558.52**
79261	17	145	60	**2272.87**
79262	18	155	60	**2272.87**
79263	19	160	60	**2272.87**
79264	20	170	80	**2545.45**
79265	21	175	95	**2545.45**
79266	22	185	110	**2727.38**
79267	23	195	160	**2727.38**
79268	24	200	210	**3000.29**
79269	25	215	210	**3000.29**
79270	26	225	210	**3454.63**
79271	27	225	210	**3454.63**
79272	28	235	260	**3454.63**
79273	29	245	280	**3636.73**
79274	30	255	310	**3636.73**
79275	32	275	310	**4571.69**

Chei inelar anti-ex Cu-Be izolat la 1000 V

- *uneltele izolate EGA Master respecta standardul international IEC 60900*
- *material: Cu-Be*



		L		
79304	6	100	35	**1493.74**
79305	7	100	50	**1493.74**
79306	8	100	50	**1493.74**
79307	9	110	50	**1493.74**
79308	10	110	55	**1493.74**
79309	11	120	60	**1493.74**
79310	12	120	80	**1493.74**
79311	13	120	85	**1558.52**
79312	14	120	100	**1558.52**
79313	15	150	150	**1558.52**
79314	16	170	150	**1558.52**
79315	17	170	150	**2272.87**
79316	18	170	210	**2272.87**
79317	19	200	210	**2272.87**
79318	20	200	270	**2545.45**
79319	21	200	270	**2545.45**
79320	22	200	270	**2727.38**
79321	23	230	300	**2727.38**
79322	24	230	400	**3000.29**
79323	25	280	410	**3000.29**
79324	26	280	440	**3454.63**
79325	27	280	440	**3454.63**
79326	28	300	530	**3454.63**
79327	29	300	530	**3636.73**
79328	30	310	730	**4271.61**
79329	32	320	730	**4571.69**

masterEx 79641

Lanterna antiex 3W

• *MasterEx 79641 este echipata cu un led alb de 3W si un led rosu de inalta intensitate care emite intermitent si ghideaza. Lanterna ideala pentru zonele periculoase, pana la zona 0 si 20, combinand performante grele si iluminare puternica. Fabricat din rasina termoplastica cu rezistenta ridicata la socuri, temperaturi extreme, lichide si substante corozive*
• *sursa lumina: LED 3 W*
• *luminozitate lumina alba: 136 lumeni*
• *luminozitate lumina rosie: 27 lumeni*
• *cap rotitor: 180º*
• *timp de operare: 3 h - 6 h*
• *alimentare: Li-ion / 3.7 V*
• *clasa protectie: IP65*
• *greutate: 180 g*
• *dimensiune: 156x56x484 mm*
• *aplizatii: Ex II 1 GD Ex ia IIC T4 Ex ia D 20 IP65 T85°C Ex II 2 GD Ex ia IIC T4 IP65 T85°C*



ZONE 0, 1, 2 GAZ
20, 21, 22 PRAF



EGA Master ART IN INNOVATION

	W	D		
79641	3	146x56x484	180	**4103.13**

masterEx 79591

Lanterna antiex 0,2W

• *130 de ore de lucru continuu cu 4 baterii alcaline LR44, proiectand o iluminare de 9 lumeni*
• *designul sau usor si mic o fac lanterna ideala pentru cele mai periculoase zone de gaz / praf, pana la Zona 0/20.*
• *temperatura ambientala Ta: -20 ° C - +50 ° C*
• *sursa de lumina: 0,2 W LED*
• *luminozitate: 9 lumeni*
• *alimentare: 4 baterii LR 44*
• *clasa de protectie: IP54*
• *lungime: 67 mm*
• *marcaj ATEX: Ex II 1 G Ex ia IIC T4 / T6*
• *greutate: 25 g*
• *bateriile incluse*



ZONE 0, 1, 2 GAZ

EGA Master ART IN INNOVATION

	W	L		
79591	0.2	67	25	**1226.37**

masterEx 79595

Lanterna antiex 1W

• *32 de ore de lucru continuu cu 4 baterii alcaline AA, proiectand o iluminare de 79 lumeni*
• *designul sau usor si mic o fac lanterna ideala pentru cele mai periculoase zone de gaz / praf, pana la Zona 0/20.*
• *temperatura ambientala Ta: -20 ° C - +50 ° C*
• *sursa de lumina: 1 W LED*
• *luminozitate: 79 lumeni*
• *alimentare: 4 baterii AA*
• *clasa de protectie: IP66*
• *lungime: 190 mm*
• *marcaj ATEX: Ex II 1G Ga Ex ia IIC T4, II 1D Da Ex iaD 20 IP66 T83ºC*
• *greutate: 297 g*
• *bateriile nu sunt incluse*



ZONE 0, 1, 2 GAZ
20, 21, 22 PRAF

EGA Master ART IN INNOVATION

	W	L		
79595	1	190	297	**3291.59**

masterEx 79598

Lanterna antiex 1W

• *zone 0, 1, 2 gaz*
• *13 ore de lucru continuu cu 4 baterii alcaline AA si este echipata cu un LED de putere de 1W*
• *lumina sa, ergonomia si gradul de protectie IP68 o fac o lanterna perfecta pentru utilizare in zone cu gaz periculos, pana la Zona 0*
• *ideala pentru utilizare subacvatica cu o adancime maxima de imersiune de 3 metri*
• *reflector proiectat pentru iluminat pe distante lungi, poate ajunge pana la 130 de metri*
• *carcasa rezistenta durabila si antiderapanta*
• *buton comutator ergonomicCaracteristici tehnice:*
• *imersiune continua*
• *sursa de lumina: Osram 1 W Led*
• *luminozitate: 60 lumeni*
• *alimentare: 4 baterii AA*
• *clasa de protectie: IP68*
• *lungime: 175 mm*
• *ATEX: Ex II 1 G Ex ia IIC T4 ia D 20 T135°C*
• *IECEx: Ex ia IIc T4 Ga*
• *UL: Clasa I Div 1 Grp ABCD Clasa II Div1 Grp EFG Clasa III Cod temp: T4*
• *greutate: 96 g*
• *bateriile sunt incluse*



ZONE 0, 1, 2 GAZ

EGA Master ART IN INNOVATION

	W	L		
79598	1.0	175	96	**937.93**

masterEx 76533 NOU

Lanterna frontala antiex LED CREE

• *zone 0, 1, 2 gaz*
• *temperatura ambientala Ta: -20 ° C - +540 ° C*
• *sursa de lumina: Cree XP-G2 LED*
• *luminozitate: scazuta: 100 lumeni / ridicata: 216 lumeni*
• *alimentare: 3 baterii alcaline AAA*
• *clasa de protectie: IP67*
• *lungime: 80 mm*
• *ATEX: Ex II 1G Ex ia IIC T4 Ga IP67*
• *greutate: 130 g*
• *bateriile sunt incluse*



EGA Master ART IN INNOVATION

ZONE 0, 1, 2 GAZ

	W	L		
76533	1.0	71	120	**1226.37**

13126-2

Lanterna antiex tip stilou

• *certificata pentru zona 1*
• *agrementari : II 2G Ex e ib IIB T4 Gb, II 2D Ex ib IIIC T60C IP6X Db*
• *de 3 ori mai luminoasa datorita led-ului puternic*
• *corp din ABS neconducator electric cu protectie anticoroziune si rezistenta la impact*
• *stralucirea fasciculului constant pe 80% din durata de viata a bateriei datorita circuitelor eLED*
• *buton de pornire cauciucat pentru folosire temporara sau continua*
• *protectie la apa pana la IP68, 3 m adancime*
• *luminozitate 35 lumen*
• *raza de actiune 64 m*
• *baterii 2x AAA alkaline neincluse*



STAHLWILLE

	Dimensiune	L		
SW 77490012	132 x 24 x 22	132	20	**589.10**

masterEx 79693

Lanterna antiex Cree XP-E LED

• *lanterna cu LED MasterEx 79693 ofera 40 de ore de lucru continuu cu 3 baterii alcaline de 1,5 V C si este echipata cu un LED Cree XP-E*
• *gradul sau de protectie ergonomic IPX7 o face o lanterna perfecta pentru utilizare atat in zone cu gaz periculos, pana la Zona 0, cat si pentru utilizare subacvatica (imersie temporara)*
• *sursa de lumina: LED Cree XP-E*
• *luminozitate: scazuta: 57 lumeni / inalta: 141 lumeni*
• *mod: High-Low-Off*
• *alimentare: 3 x baterii alcaline 1.5V*
• *clasa de protectie: IPX7*
• *lungime: 220 mm*
• *ATEX: Ex II 1 G Ex ia IIC T4 • IECEx: Ex ia IIc T4 Ga*
• *UL: Clasa I Div 1 Grp ABCD Clasa II Div1 Grp EFG Clasa III*
• *greutate: 190 g*
• *bateriile sunt incluse*



EGA Master ART IN INNOVATION

ZONE 0, 1, 2 GAZ

	W	L		
79693		220	190	**1154.19**

masterEX 79650

Lanterna antiex 1W

- *32 de ore de lucru continuu cu 3 baterii alcaline C, proiectand o iluminare de 109 lumeni*
- *designul sau usor si mic o fac lanterna ideala pentru cele mai periculoase zone de gaz / praf, pana la Zona 0*
- *temperatura ambientala Ta: -20 ° C - +50 ° C*
- *sursa de lumina: 1 W LED*
- *luminozitate: 109 lumeni*
- *alimentare: 3 baterii C*
- *clasa de protectie: IP54*
- *lungime: 205 mm*
- *marcaj ATEX: Ex II 1 G Ex ia IIC T4*
- *greutate: 205 g*
- *bateriile nu sunt incluse*



ZONE 0, 1, 2 GAZ

	W	D		
79650	1	205	380	**2921.77**

masterEX 79590

Lanterna antiex 1,1W

- *zone: 1, 2 gaz*
- *2 de ore de lucru continuu cu 2 baterii alcaline AAA, proiectand o iluminare de 7 lumeni*
- *designul sau usor si mic o fac lanterna ideala pentru cele mai periculoase zone de pana la Zona 1*
- *temperatura ambientala Ta: -20 ° C - +50 ° C*
- *sursa de lumina: 1,1 W XENON*
- *luminozitate: 7 lumeni*
- *alimentare: 2 baterii alcaline AAA*
- *clasa de protectie: IP67*
- *lungime: 104 mm*
- *ATEX: Ex II 2G Ex e ib IIB T4*
- *greutate: 45 g*
- *bateriile nu sunt incluse*



ZONE 1, 2 GAZ

	W	L		
79590	1.1	104	45	**937.93**

masterEX 79639

Lanterna antiex 3W

- *lanterna ideala pentru zonele periculoase pana la Zona 0 si 20, combinand performante grele si iluminare puternica*
- *poate fi montata pe casti pentru pompieri*
- *sursa de lumina: 3 W LED*
- *luminozitate: 135 lumeni*
- *alimentare: 4 x R03 AAA / 6V*
- *autonomie: 4 h-30 h*
- *indicator baterie: clipeste la inceput*
- *clasa de protectie: IP67*
- *clips pentru casca Gallet F1 nou model inclus*
- *ATEX: Ex II 1 GD Ex ia IIC T4 Ga / Ex II 2 D Ex ia IIIC T85ºC Da*
- *dimensiuni: 150x38x44 mm*
- *greutate: 125 g*
- *bateriile sunt incluse*



ZONE 0, 1, 2 GAZ
20, 21, 22 PRAF

	W	L		
79639	3	150x38x44	125	**2164.43**

masterEX 79731

Lampa inspectie 2.5W

- *zone 1, 2 gaz; 21, 22 praf*
- *lampa de inspectie MasterEx 79731 este solutia ideala pentru iluminarea zonelor de lucru in zonele periculoase*
- *bateria sa cu litiu asigura o utilizare de 6 ore si este special conceputa pentru a suporta conditiile zilnice de lucru industriale*
- *cele doua lumini LED ale acesteia permit o iluminare adecvata pentru toate conditiile de lucru*
- *LED-ul frontal are doua moduri de operare, oferind 150 pana la 300 de lumeni*
- *LED-ul superior ofera un fascicul de 100 lumeni*
- *designul sau permite pozitionarea corecta pentru a ilumina zonele de lucru fara a fi nevoie sa o tineti manual de suportul magnetic sau de carligul suspendat de 360°*
- *2 lumini LED*
- *LED frontal cu 2 moduri: 100% si 50%*
- *LED superior 1 mod: 100%*
- *luminozitate: LED frontal 300/150 lm - LED superior 100 lm*
- *putere: 2,5 W*
- *ciclul de viata:> = 50000 h*
- *tensiune de alimentare: 100-240 V - 50/60 Hz*
- *clasa protectie: IP 54*
- *carcasa: plastic antistatic*
- *carlig: rotativ 360°*
- *suport magnetic*
- *baza de incarcare si incarcatorul sunt incluse: 1 m*
- *timp de incarcare: 3,5 h*
- *autonomie: 3 h-6 h*
- *ATEX: Ex II 2 G Ex ib op is IIC T4 Gb / # [B] # II 2D Ex ib IIIC T120 ° Db*
- *dimensiuni: 220x70x40 mm*
- *greutate: 400 g*



ZONE 1, 2 GAZ
21, 22 PRAF

	W	L		
79731	2.5	220x70x40	400	**4464.03**

masterEX 79360 NOU

Lampa de lucru 25W cu cablu

- *lampile de mană MasterEx 79732 si 79733 sunt special concepute pentru iluminarea spatiilor mari in zonele periculoase*
- *cele doua moduri LED (50% si 100%) permit adaptarea intensitatii luminii emise*
- *lampile sunt potrivite pentru utilizarea in zonele 1 si 21*
- *este posibila rotirea corpului la 180º pentru a ghida fasciculul de lumina*
- *cablul cu lungimea de 10 m faciliteaza deplasarea lampii de mana de la sursa electrica la zona de lucru*
- *carcasa sa din aluminiu turnat sub presiune ii confera o rezistenta si protectie uriase, asigurand functionarea corecta chiar si in cele mai dificile conditii*
- *manerul de pe carcasa permite transportul lampii intr-un mod usor si mai sigur*
- *2 moduri LED: 100% si 50%*
- *dimensiuni: 230x230x110 mm*
- *ATEX: Ex II 2G Ex db eb mb op este IIC T4 Gb / Ex II 2D Ex tb IIIC T85ºC Db IP65*
- *maner de transport pe carcasa*
- *pozitionare: rotatie la 180°*
- *carcasa: turnare din aluminiu*
- *clasa de protectie: IP 65*
- *lungime cablu: 10 m*
- *tensiune de alimentare: 100-240 V - 50/60 Hz*
- *ciclul de viata:> = 50000 h*
- *putere: 25 W*
- *luminozitate: 2500/1250 lm*
- *greutate: 4,55 kg*

ZONE 1, 2 GAZ
21, 22 PRAF



	W	L		
79360	25	230x230x110	4550	**5699.18**

masterEX 77780

Lampa de lucru 31W cu acumulator

- *lampile de mană MasterEx 79732 si 79733 sunt special concepute pentru iluminarea spatiilor mari in zonele periculoase*
- *cele doua moduri LED (50% si 100%) permit adaptarea intensitatii luminii emise*
- *lampile sunt potrivite pentru utilizarea in zonele 1 si 21*
- *este posibila rotirea corpului la 180º pentru a ghida fasciculul de lumina*
- *cablul cu lungimea de 10 m faciliteaza deplasarea lampii de mana de la sursa electrica la zona de lucru*
- *carcasa sa din aluminiu turnat sub presiune ii confera o rezistenta si protectie uriase, asigurand functionarea corecta chiar si in cele mai dificile conditii*
- *manerul de pe carcasa permite transportul lampii intr-un mod usor si mai sigur*
- *2 moduri LED: 100% si 50%*
- *dimensiuni: 270x260x130 mm*
- *ATEX: Ex II 2G Ex db eb mb op is IIC T4 Gb / Ex II 2D Ex tb IIIC T85ºC Db IP65*
- *autonomie: 2 h - 4 h*
- *cablu de incarcare inclus*
- *indicator de incarcare*
- *timp de incarcare: 4 h*
- *maner de transport pe carcasa*
- *pozitionare: rotatie la 180°*
- *carcasa: turnare din aluminiu*
- *clasa de protectie: IP 65*
- *lungime cablu: 5 m*
- *tensiune de alimentare: 100-240 V - 50/60 Hz*
- *ciclul de viata:> = 50000 h*
- *putere: 31 W*
- *luminozitate: 4000/2000 lm*
- *greutate: 4,3 kg*

ZONE 1, 2 GAZ
21, 22 PRAF



	W	L		
77780	31	270x260x130	4300	**9234.20**

Asiguram gama completa de scule utilizate in zonele reglementate ATEX

In calitate de lider pe piața de distribuție a sculelor de mână din România ne-am propus sa actionam pentru echilibrarea în vânzări a nivelului de stoc pe brand-urile din portofoliu, acordând o atenție specială programelor de scule cu destinații pe domenii specializate. Programele Minotti, AMPCO si Carltsoe, destinate pentru utilizarea în domenii strict reglementate - Atmosfere Explozibile - 94/9/EC - pe care le reprezentam in Romania pe bază de exclusivitate. Denumite în mod curent scule antiexplozie, acestea sunt fabricate din aliaje Aluminiu-Bronz (AlCu) si Beriliu-Cupru (BeCu).
Grație acestor fabricanți - Metallurgica Minotti, nivel European, AC SAFETY TOOLS, nivel mondial - oferta noastra de scule antiexplozie are caracter exhaustiv pe piața României, cuprinzând practic ce mai variată gamă de produse și tipodimensiuni.
Utilizările cele mai importante ale sculelor antiexplozie sunt în industria petrolului și gazelor, rafinării petrochimice, rezervoare de petrol, rețele de gaz, mine, depozite de carburanți, fabrici de muniție, marină, industria chimica, industria vopselei și emailului, industria alcoolului, farmaceutica, în general, aceste scule conform reglementarilor in vigoare fiind obligatoriu a se utiliza în toate locurile implicate de prezența elementelor periculoase, ca: materiale inflamabile, gaze, explozivi, apă de mare, etc. Viața muncitorilor și a tehnicienilor este pusă în pericol de scânteile provocate de sculele din oțel, a căror utilizare este periculoasă în aceste medii.
Categoriile de zone cu pericol de explozie clasificate conform ATEX Directive 94/9/EC, în funcţie de frecvenţa şi durata unui mediu exploziv, vizate pentru utilizarea sculelor sunt: zona 0; zona 1; zona 2; zona 20; zona 21; zona 22. Dintre aceste zone, doar Zona 0 nu este acoperită de aliajele Bronz-Aluminiu, dar este cunoscut faptul că acest mediu exploziv se întâlneşte foarte rar. Din experienţa noastră în relaţia cu producătorul european Metallurgica Minotti recomandăm recurgerea la Beriliu ca si element de aliere în componenţa sculelor antiexplozie, doar în cazul în care activitatea acoperă şi zona 0 de pericol. În mod obişnuit aliajelor CuBe li se atribuie, mai mult sau mai puţin întemeiat, o durabilitate mai mare atribuita decît a celor din CuAl, dar această caracteristică este pusă serios în balanţă de subdimensionarea la limită a sculelor antiexplozie, din motive legate de costul ridicat al Beriliului.
Înființată în 1924, Metallurgica Minotti ofera aliajul Aluminiu-Bronz, denumit MZW (patent propriu brevetat in anul 1955), special conceput pentru a îmbunătăți performanțele sculelor antiexplozie. Cea mai mare parte a acestora sunt fabricate din aliaj Aluminiu-Bronz, (chei, clesti, ciocane, menghine, etc), doar sculele de tăiere (dălți, cuțite, dornuri, ș.a), sunt fabricate din aliaje Beriliu-Cupru, din rațiuni de protecție a sănătății.
Certificările de calitate date de RINA SpA (autoritatea cheie a organizațiilor internaționale cu birouri în peste 60 de țări din întreaga lume), Marina Militară Italiană, Consiliul Italian de Prevenire a Accidentelor, la care se adaugă verificările laboratorului in-house acreditat pentru teste de calitate, precum și respectarea cu strictețe a Directivelor Europene ATEX cât și a Ghidului de Bune Practici pe tot parcursul procesului de fabricație, fac din brand-ul Minotti o marcă sigură, garantată 100% în exploatare.
Datorită materialelor din care sunt fabricate cele doua aliaje, sculele antiexplozie nu pot ajunge la performanțele mecanice al celor tradiționale, din oțel, motiv pentru care utilizarea lor trebuie să se facă fără suprasolicitare, în regim de lucru controlat. Sculele antiexplozie Minotti sunt proiectate însă să respecte maximul prevazut in normele DIN pentru sculele din oțel în ceea ce privesc cotele dimensionale de gabarit, ceea ce le conferă un plus de robustețe și rezistență, comparativ cu sculele similare din aliaje BzAl de proveniență asiatică, care, în genere, chiar daca ajung să se raporteze la norma DIN, sunt subdimensionate (prin raportare la minimul prevazut pentru aceste cote, ori chiar sub acesta). Noi credem că această subdimensionare nu poate fi „compensată" în practică/în utilizare prin fabricarea sculelor din aliaje CuBe, elementul de aliere Beriliu ducând la creşterea durităţii sculei în detrimentul proprietăţilor mecanice prevăzute de standarde.
Această grijă brand-ului Minotti de a asigura caracteristici tehnice superioare sculelor antiexplozie, capătă valențe superioare în cazul în care există două norme valide pentru același tip de produs. Astfel, cheile duble fixe din oțel se fabrică în două variante, după cum se raportează la norma specifică DIN: 895 ori 3110. Pentru că norma DIN 895 prevede dimensiuni constructive de gabarit mai mici decât norma DIN 3110, în considerarea materialului de fabricație, aliaj neferos, producătorul Minotti fabrică sculele respectiv prin raportare la DIN 3110, asigurând proprietăți mecanice superioare sculelor. De asemenea, procedeul tehnologic folosit la fabricația sculelor antiexplozie Minotti - prin forjare din material extrudat - comparativ cu fabricația prin turnare ori alte tehnici, folosite îndeobște la sculele de proveniență asiatică, permite brandului Minotti caracteristici mecanice superioare prin orientarea fibrei, asigurându-se beneficii la solicitările de moment, impact, îndoire.
Aliajul propriu MZW conține max 4% fier în componență pentru a conferi caracteristici de rezistență la tensionare. Un alt avantaj oferit de aliajul MZW este dat de măiestria elaborării: fierul este atât de fin atomizat încât greutatea aliajului este mică iar permeabilitatea magnetică este foarte joasă. Proprietățile antimagnetice ale sculelor Minotti sunt renumite între utilizatorii acestora: geniști, spitale (tomografie axială), centre de transmisii radar, mașini de testare nucleară.
Printre alte avantaje oferite de MZW se numără și proprietățile antirupere superioare. Unii utilizatori caută în special pentru unelte de tăiat sau de lovit durități extreme considerând greșit că această caracteristică ar asigura o mai lungă durată de funcționare. Duritatea mai mică a aliajului MZW comparativ cu aliajele BeCu, nu permite crearea de condiții de rupere de așchii din sculă (un pericol pentru siguranța operatorului), o duritate mai mare venind în contradicție cu ductilitatea aliajului. De asemenea, aliajul MZW este renumit pentru rezistența sa la coroziune, respectiv, la apa sărată de mare, ceea ce face sculele utilizabile și pe vapoare sau porturi.
Aliajele de BeCu sunt utilizate în fabricația sculelor antiexplozie cu multă precauție de producătorul european Minotti, in considerarea faptului că Beriliul este un metal toxic, în mod special sub formă de pulberi in procesul de fabricatie, dar chiar si ca element de aliere in scula, prin contact indelungat cu mana utilizatorului. Sculele antiexplozie Minotti sunt în cea mai mare parte fabricate din aliaj Bronz - Aluminiu (chei, clesti, ciocane, menghine, etc), doar sculele de tăiere (dălți, cuțite, dornuri, ș.a), sunt fabricate din aliaje Cupru-Beriliu, din rațiuni de protecție a sănătății. Acest element de aliere conferă sculelor proprietăți ca: duritate, elasticitate, durabilitate mărite, dar și cost mai mare datorita materialelor rare folosite în aliaj. Aliajele pe bază de Bronz- Aluminiu, au avantajul că elimină aceste pericole de intoxicare profesională pe care le prezintă aliajul Cupru-Beriliu, păstrându-şi proprietăţile mecanice şi Antiex. Deşi Beriliul, uşor de găsit de altfel, este un element de aliere ce scumpeşte produsul, totuşi costurile de fabricaţie scad per produs din cauza faptului că acest aliaj este mai uşor de prelucrat decât aliajele Bronz-Aluminiu.

În contextul preocupărilor îmbunătăţirii directivelor ATEX, pe plan european, în scopul prevenirii accidentelor de muncă şi a îmbolnăvirilor prefesionale, în ultima perioadă de timp au apărut tot mai multe avertizări referitoare la pericolele pentru sănătate pe care le reprezintă pentru utilizatorii de scule, Beriliul, ca şi element constitutiv al aliajului Cupru-Beriliu. În acest sens, recomandăm accesarea Fişei cu Date de Securitate emisă de Materion Brush Inc., USA, la data de 28 Iulie 2015, care a testat amestecul Cupru-Beriliu din punct de vedere al caracteristicilor fizice, pericolelor pentru sănătate şi mediul înconjurător. Potrivit cercetărilor recent efectuate de compania americană, aliajul de bază Cupru-Beriliu trebuie etichetat în conformitate cu Regulamentul CE nr.1272/2008 amendat:

Contine: Beriliu, Cupru
Pictograme de pericol:



datorită pericolelor pentru sănătate evaluate, cauzate de toxicitatea amestecului, care prezintă un risc semnificativ de cancer. Efectele nocive ale utilizării aliajului Cupru-Beriliu asupra sănătății, determină luarea măsurilor speciale de precauție, fiind interzise utilizările profesionale în domeniul public (administrație, învățământ, divertisment, servicii, meșteșuguri), dar și în domeniul privat (public larg, orice consumator).
AC SAFETY TOOLS, deținător al celor două programe de scule antiexplozie AMPCO si Carltsoe acoperă întreaga gamă, deopotrivă scule fabricate din aliaje Aluminiu-Bronz si Beriliu-Cupru.
Programul AMPCO Safety avand sloganul/deviza “Together we make your work safer”, își are obârșia în AMPCO METAL GRUP/ American Metal Product Company, având locațiile principale în SUA, Franta, Olanda, Elveția. Este liderul mondial în scule antiexplozie din anul 1922, oferind cea mai largă gamă de produse. Aliajele Aluminiu-Bronz si Beriliu-Cupru sunt furnizate de societatea AMPCO Metal din cadrul grupului, fiind certificate de Federal Institute for Materials Research and Testing și garantate a fi folosite in mediile potential explozive ATEX. Fabricația AMPCO se distinge prin 100% trasabilitate: monitorizarea pe întregul flux de fabricație; marcarea șarjelor de aliaj; păstrarea eșantioanelor de aliaje și a probelor martor pe o perioadă minimă de 2 ani; rapoartele de testare privind compoziția chimică a elementelor de aliere și proprietățile mecanice specifice sculelor antiexplozie (verificări ale durității, permeabilității magnetice, elongației, individual-dimensionale) însoțesc în mod obligatoriu fiecare livare.
Principalele proprietăti ale sculelor antiexplozie: antiscantei, antimagnetice si rezistente la coroziune, se regăsesc din plin la sculele AMPCO.
Respectarea cu strictețe a normelor DIN/ISO de referință pentru principalele scule de mână din oțel (pentru chei: DIN 3113, DIN 895, DIN 894, DIN 897, DIN 837, DIN 3111, DIN 7444, DIN 133, DIN 911, DIN 3112, DIN 22417, DIN 1810, DIN 14822, DIN 87311; pentru clești: DIN 5244/ISO 5746, ISO 5745, ISO 9343, DIN 5248/ISO 5745, DIN 5231/ISO 8976, DIN 5249/ISO 5745, DIN 5254, DIN 5256, DIN 5234/ISO 6748, DIN 5238/ISO 5749, DIN 5241/ISO 9243, DIN 5238/ISO 5749, DIN 5241/ISO 9243, DIN 5247, DIN 5234, ciocane: DIN 1041, DIN 1042, DIN 6475, DIN 5108), face ca sculele antiexplozie AMPCO să fie solicitate de jucatori importanți din economie care activează în zone cu potențial risc de explozie.
AC SAFETY TOOLS fabrică sculele antiexplozie atât din aliaje Bronz-Aluminiu cât şi Cupru-Beriliu. Realitatea din ultimii ani în Europa şi în Statele Unite relevă evitarea pe cât posibil a utilizării Beriliului în aliajele din care se fabrică în mod curent sculele antiexplozie, motiv pentru această companie atenţionează pe site-ul propriu cu privire la politica de dezvoltare a unor aliaje alternative celor cu Beriliu, dar - foarte important - „whitout any compromise on the performance of the product.” Strategia celui mai mare producător de scule antiexplozie din lume se bazează pe dovezile indubitabile aduse referitoare la bolile grave pe care le provoacă Beriliul într-un timp lung de expunere: “This problem has been known for many yearsand all responsible manufacturers of Beryllium containing products procedures to minimise the risk to their employees or the users of their products.“ Din această cauză, marea majoritate a sculelor antiscânteie sunt BERYLLIUM-FREE, acesta dând următoarea asigurare clienţilor săi pe site-ul companiei: “AMPCO METAL Bronye Tools will perform equally with the Copper Beryllium alloys, without the risk”.
Programul Carltsoe Safety Tools, se bucura de o experienta de peste 50 de ani in fabricatia sculelor antiexplozie. Oferta cvasicompleta de scule antiexplozie LIFE TIME WARRANTY acopera peste 3000 de produse fabricate din ambele aliaje: Aluminiu-Bronz si Beriliu-Cupru, pentru toate zonele ATEX: 0, 1 si 2, 20, 21 si 22, precum si M1 si M2, in minerit. Toate aliajele sunt certificate de Federal Institute for Material Research and Testing, Berlin, Germania. Siguranta oferita in toate zonele cu pericol real de explozie este ilustrata de deviza: „If you just had the right tools”.





SETURI DE SCULE

Pentru amatori si profesionisti

Seturile continand modele variate de chei, clesti, surubelnite, pile, ciocane, punctatoare, dalti si alte scule sunt o alegere excelenta pentru utilizatorii avansati si alegerea corecta pentru cei incepatori.

Compozitie inteligenta

Compozitia diferitelor ansamble este decisa pe baza unei colaborari permanente cu utilizatorii profesionali ai sculelor Unior in teren. Ansamblurile gata de folosire tin cont de nevoile fiecarui domeniu de activitate, reprezentand in acest fel o sectiune de scule de inalta calitate plecand de la alegeri gandite si preturi atractive.

Seturi de scule in SOS pentru Europlus, Eurovision, Eurostyle 1024
Seturi de scule 1039
Seturi de scule in trusa 1041





Module din spuma SOS - Avantaje

Modulele SOS sunt facute din spuma de polietilena dublu strat care este rezistenat la grasimi, benzina, ulei, solventi nitro, adezivi si ulei de motor - toate putand fi curatate fara a lasa urme vizibile (pete). Pentru a evita petele permanente, murdaririle cu adezivi sua uleiul de motor, acestea trebuiesc curatate imediat cu benzina.

Sistem

Material: spuma de polietilena de joasa densitate





Aceste module din spuma de polietilena permit o mai buna organizare si vizibilitate a aranjarii sculelor in cutii de scule, in sertarele carucioarelor si in dulapurile cu scule. Este vorba de sistemul SOS. Modulele sunt utilizabile intr-o larga gama de temperaturi, nu se umezesc si, in condiii normale de utilizare, au o lunga durata de viata. Permit protejarea sculelor mentinandu-le la locul destinat, impiedicandu-le sa se miste de maniera necontrolata in interiorul spatiului de aranjare. Dat fiind ca locul fiecarei scule in modul este definit precis, se vad imediat care sunt sculele care lipsesc.

Sistem SOS

S - Safety (Siguranta)
O - Order (Aranjare)
S - Survey (Verificare)

Selectie simpla

Seturile adaptate domeniilor specifice de lucru simplifica alegerea si cumpararea instrumentelor specifice de care aveti nevoie si pe care le folositi in munca. Electricieni, mecanici auto, vopsitori de vehicule, tehnicieni de calculatoare si multi alti profesionisti au incredere in experienta Unior.



1011CEV4

Set de scule de 127 piese in module SOS in carucior de scule 940EV4

• conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie



624137	127	75500	1K	1	10843.28

964/49SOS, 964/47SOS, 964/46SOS, 964/48SOS
940EV4

1011BEV4

Set de scule de 193 piese in module SOS in carucior de scule 940EV4

• conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie



621757	193	77000	1K	1	13353.28

964/37SOS, 964/35SOS, 964/32ASOS, 964/36SOS
940EV4

1011DEV6

Set de scule de 238 piese in module SOS in carucior de scule 940EV6

• conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie



624138	238	96000	1K	1	17170.66

964/28SOS, 964/29ASOS, 964/30SOS, 964/33SOS, 964/48SOS, 964/49SOS
940EV6

1011AEV6

Set de scule de 325 piese in module SOS in carucior de scule 940EV6

• conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie



621756	325	103200	1K	1	21836.72

964/31SOS, 964/32ASOS, 964/33SOS, 964/34SOS, 964/28SOS, 964/29ASOS, 964/30SOS
940EV6

1012A

Set de scule de 208 piese in module SOS in carucior de scule 940EV6

• conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie



623942	208	106270	1K	1	17468.69

964/50SOS, 964/28SOS, 964/52SOS, 964/54SOS, 964/33SOS, 964/51SOS, 964/53SOS
940EV6



1011FPLUS1

Set de scule de 297 piese in module SOS in carucior de scule 920PLUS1

• conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie



625594	297	125000	1K	1	23057.38

964/31SOS, 964/33SOS, 964/34SOS, 964/32ASOS, 964/28SOS, 964/30SOS
920PLUS1

1011GECO

Set de scule de 97 piese in module SOS in carucior de scule 940ECO

• conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie



625595	97	77000	1K	1	7141.80

964ECO2A, 964ECO9, 964ECO10, 964ECO6, 964ECO19, 964ECO5
940ECO

1000ak1

Set scule 118 piese in module SOS



UNIOR

612477	118	13705	1K	1	5037.54

964/1SOS, 964/2BSOS, 964/5SOS, 964/6SOS, 964/8ASOS, 964/9SOS, 964/10SOS, 964/19SOS



1000ak2

Set scule 109 piese in module SOS



UNIOR

612478	109	12780	1K	1	4504.26

964/5SOS, 964/6SOS, 964/9SOS, 964/19SOS, 964/2SOS, 964/3SOS, 964/4SOS

1000ak3

Set scule 131 piese in module SOS



UNIOR

612479	131	16820	1K	1	5756.39

964/5SOS, 964/6SOS, 964/9SOS, 964/19SOS, 964/2SOS, 964/3SOS, 964/4SOS, 964/1SOS, 964/8ASOS, 964/13SOS

1000ak8

Set scule 109 piese in module SOS



UNIOR

619529	109	15610	1K	1	4989.67

964/1SOS, 964/2SOS, 964/3SOS, 964/10SOS, 964/24SOS, 964/15SOS, 964/22SOS



940EV1 + 1000ak1

Set scule 118 piese in module SOS in carucior 940EV1



UNIOR

940EV1+1000ak1	118	58505	1K	1	9181.80

964/1SOS, 964/2BSOS, 964/5SOS, 964/6SOS, 964/8ASOS, 964/9SOS, 964/10SOS, 964/19SOS
940EV1

940EV1 + 1000ak2

Set scule 109 piese in module SOS in carucior 940EV1



UNIOR

940EV1+1000ak2	109	57580	1K	1	8648.52

964/5SOS, 964/6SOS, 964/9SOS, 964/19SOS, 964/2SOS, 964/3SOS, 964/4SOS
940EV1

940EV1 + 1000ak3

Set scule 131 piese in module SOS in carucior 940EV1



940EV1+1000ak3 131 61620 1K 1 **9900.65**

964/5SOS, 964/6SOS, 964/9SOS, 964/19SOS, 964/2SOS, 964/3SOS, 964/4SOS, 964/1SOS, 964/8SOS, 964/13SOS
940EV1

940EV1 + 1000ak8

Set scule 109 piese in module SOS in carucior 940EV1



940EV1+1000ak8 109 60410 1K 1 **9133.93**

964/1SOS, 964/2SOS, 964/3SOS, 964/10SOS, 964/24SOS, 964/15SOS, 964/22SOS
940EV1

940EV4 + 1000ak1

Set scule 118 piese in module SOS in carucior 940EV4



940EV4+1000ak1 118 70705 1K 1 **10020.33**

964/1SOS, 964/2BSOS, 964/5SOS, 964/6SOS, 964/8SOS, 964/9SOS, 964/10SOS, 964/19SOS
940EV4

940EV4 + 1000ak2

Set scule 109 piese in module SOS in carucior 940EV4



940EV4+1000ak2 109 69780 1K 1 **9487.05**

964/5SOS, 964/6SOS, 964/9SOS, 964/19SOS, 964/2SOS, 964/3SOS, 964/4SOS
940EV4

940EV4 + 1000ak3

Set scule 131 piese in module SOS in carucior 940EV4



940EV4+1000ak3 131 73820 1K 1 **10739.18**

964/5SOS, 964/6SOS, 964/9SOS, 964/19SOS, 964/2SOS, 964/3SOS, 964/4SOS, 964/1SOS, 964/8SOS, 964/13SOS
940EV4

940EV4 + 1000ak8

Set scule 109 piese in module SOS in carucior 940EV4



940EV4+1000ak8 109 72610 1K 1 **9972.46**

964/1SOS, 964/2SOS, 964/3SOS, 964/10SOS, 964/24SOS, 964/15SOS, 964/22SOS
940EV4

1011A

Set de scule de mana in suport SOS

• *conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie*



621397	324	43200	1F	1	16547.54

964/28SOS, 964/29ASOS, 964/32ASOS, 964/30SOS, 964/31SOS, 964/33SOS, 964/34SOS

1011B

Set de scule de mana in suport SOS

• *conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie*



621398	192	23200	1F	1	8333.61

964/32ASOS, 964/35SOS, 964/36SOS, 964/37SOS

1011D

Set de scule de mana in suport SOS

• *conceput pentru intretinerea de baza in service-uri auto, agricole si in industrie*



623928	237	34700	1F	1	11634.43

964/28SOS, 964/29ASOS, 964/30SOS, 964/33SOS, 964/48SOS, 964/49SOS

964/1SOS

Set de chei fixe in modul SOS



621049	6 - 32 / 12	2300	1F	1		486.72

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **vl964/1SOS** (188 x 364 x 30)

vl964/1SOS

Modul SOS pentru set 964/1SOS



620881	188	364	30	63	1V	1	58.01

964/1ASOS

Set de chei fixe in modul SOS



621050	6 - 32 / 12	2290	1F	1		499.67

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **vl964/1ASOS** (188 x 364 x 30)

vl964/1ASOS

Modul SOS pentru set 964/1ASOS



620882	188	364	30	64	1V	1	58.01

964/2SOS

Set de chei combinate in modul SOS



621051	8 - 24 / 12	1680	1F	1		558.52

125/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), **vl964/2SOS** (188 x 364 x 30)

vl964/2SOS

Modul SOS pentru set 964/2SOS



620883	188	364	30	49	1V	1	58.01

964/2ASOS

Set de chei combinate varianta lunga in modul SOS



621052	8 - 24 / 12	1960	1F	1		604.43

120/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), **vl964/2ASOS** (188 x 364 x 30)

vl964/2ASOS

Modul SOS pentru set 964/2ASOS



620884	188	364	30	59	1V	1	58.01

964/2BSOS

Set de chei combinate varianta IBEX in modul SOS



621053	8 - 24 / 12	1650	1F	1		619.02

129/1 (8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24), **vl964/2BSOS** (188 x 364 x 30)

vl964/2BSOS

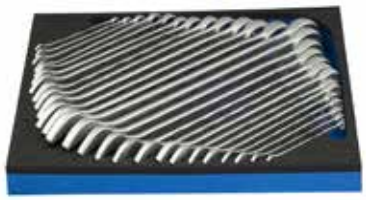
Modul SOS pentru set 964/BSOS



620885	188	364	30	49	1V	1	58.01

964/2CSOS

Set de chei combinte varianta lunga in modul SOS



621054	6 - 32 / 26	6760	1F	1		1679.18

120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32), **vl964/2CSOS** (374 x 364 x 40)

vl964/2CSOS

Modul SOS pentru set/ CSOS



621219	374	364	40	117	1V	1	111.37

964/2DSOS

Set de chei combinate si chei hexagonale varianta lunga in modul SOS

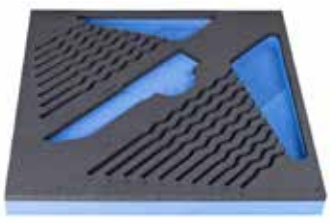


621563	27	3170	1F	1		1004.43

120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24), **220/3L** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **vl964/2DSOS** (374 x 364 x 30)

vl964/2DSOS

Modul SOS pentru set 964/2DSOS



621507	374	364	30	150	1V	1	135.30

964/2FSOS

Set de chei combinate in modul SOS



621908	6 - 17 / 12	1680	1F	1	432.62

125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17), **v964/2FSOS** (188 x 364 x 30)

v964/2FSOS

Modul SOS pentru set 964/2FSOS



	B	L	H				
621909	188	364	30	63	1V	1	58.01

964/3SOS

Set de chei inelare dublu cotite in modul SOS



621055	6 - 22 / 8	1350	1F	1	384.43

180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), **vl964/3SOS** (188 x 364 x 30)

vl964/3SOS

Modul SOS pentru set 964/3SOS



	B	L	H				
620886	188	364	30	45	1V	1	58.01





964/4SOS

Set de chei inelare dublu cotite in modul SOS



621056	21 - 32 / 4	2220	1F	1	379.34

180/1 (21 x 23, 24 x 26, 25 x 28, 27 x 32), **vl964/4SOS** (188 x 364 x 30)

vl964/4SOS

Modul SOS pentru set 964/4SOS



	B	L	H				
620887	188	364	30	25	1V	1	58.01

964/5SOS

Set de capete chei tubulare si accesorii 1/4" in modul SOS



621057	45	1200	1F	1	1039.02

187/2HX (3, 4, 5, 6, 7), **187/2PH** (PH 1, PH 2, PH 3), **187/2SL** (0.8x4, 1x 5.5, 1.2 x 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **188/2 6p** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4" x 150, 1/4" x 55), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **vl964/5SOS** (188 x 364 x 30)

vl964/5SOS

Modul SOS pentru set 964/5SOS



	B	L	H				
620888	188	364	30	25	1V	1	58.01

964/5S12SOS

Set de capete chei tubulare si accesorii 1/4" in modul de SOS



621185	45	1170	1F	1	1039.02

188/2 12p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.4/2** (1/4" x 55, 1/4"x150), **188.3/2** (1/4"), **188.8** (1/4"), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **187/2PH** (PH 1, PH 2, PH 3), **187/2SL** (0.8 x 4, 1 x 5.5, 1.2 x 7), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **vl964/5S12SOS** (188 x 364 x 30)

vl964/5S12SOS

Modul SOS pentru set 964/5SSOS



	B	L	H				
621237	188	364	30	25	1V	1	58.01

964/6SOS

Set de clesti BI in modul SOS



621058	3	850	1F	1	365.41

406/1BI (180), **461/1BI** (160), **508/1BI** (170), **vl964/6SOS** (188 x 364 x 30)

vl964/6SOS

Modul SOS pentru set 964/6SOS



UNIOR

	B	L	H				
620889	188	364	30	25	1V	1	**58.01**

964/7SOS

Set de clesti strangere in modul SOS



UNIOR

621059	2	1200	1F	1	**331.48**

430/3 (250), **445/1BI** (240),
vl964/7SOS (188 x 364 x 30)

vl964/7SOS

Modul SOS pentru set 964/7SOS



UNIOR

	B	L	H				
620890	188	364	30	42	1V	1	**58.01**

964/8ASOS

Set de clesti inel de siguranta in modul SOS



UNIOR

621061	19 - 60 - 180 / 4	985	1F	1	**467.70**

532PLUS/1DP (180 x 19 - 60),
534PLUS/1DP (180 x 19 - 60),
536PLUS/1DP (180 x 19 - 60),
538PLUS/1DP (180 x 19 - 60),
vl964/8ASOS (188 x 364 x 30)

vl964/8ASOS

Modul SOS pentru set 964/8ASOS



UNIOR

	B	L	H				
621220	188	364	30	49	1V	1	**58.01**



964/9SOS

Set de surubelnite TBI in modul SOS



UNIOR

621062	8	710	1F	1	**291.31**

605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), **615TBI** (PH 0 x 60, PH 1 x 80, PH 2 x 100), **625TBI** (PZ 2 x 100), **vl964/9SOS** (188 x 364 x 30)

vl964/9SOS

Modul SOS pentru set 964/9SOS



UNIOR

	B	L	H				
620892	188	364	30	49	1V	1	**58.01**

964/9BSOS

Set de capete chei tubulare cu maner TBI in modul SOS



UNIOR

621063	6	1075	1F	1	**467.70**

629TBI (5.5, 6, 8, 10, 12, 13),
vl964/9BSOS (188 x 364 x 30)

vl964/9BSOS

Modul SOS pentru set 964/9BSOS



UNIOR

	B	L	H				
621221	188	364	30	49	1V	1	**58.01**

964/9CSOS

Set de surubelnite TBI cu profil profil TX si gaura in modul SOS



UNIOR

621560	8	780	1F	1	**341.97**

621TBI (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45),
vl964/9CSOS (188 x 364 x 30)

vl964/9CSOS

Modul SOS pentru set 964/9CSOS



UNIOR

	B	L	H				
621504	188	364	30	41	1V	1	**58.01**

964/9DSOS

Set de surubelnite TBI in modul SOS



UNIOR

621561	8	670	1F	1	**272.13**

621TBI (TX 6, TX 7, TX 8, TX 9),
615TBI (PH 1 x 80, PH 2 x 100),
625TBI (PZ 1 x 80, PZ 2 x 100),
vl964/9DSOS (188 x 364 x 30)

vl964/9DSOS

Modul SOS pentru set 964/9DSOS



	B	L	H				
621505	188	364	30	49	1V	1	**58.01**

964/10SOS

Set de ciocane si punctatoare in modul SOS



621064	5	1240	1F	1	**282.13**

640/6 (5), **642/6** (5), **660/6** (150), **812** (300), **820** (32), **vl964/10SOS** (188 x 364 x 30)

vl964/10SOS

Modul SOS pentru set 964/10SOS



	B	L	H				
620893	188	364	30	57	1V	1	**58.01**

964/13SOS

Set de surubelnite hexagonale cu maner in T in modul SOS



621067	3 - 10 / 6	755	1F	1	**297.70**

193HXS (3, 4, 5, 6, 8, 10), **vl964/13SOS** (188 x 364 x 30)

vl964/13SOS

Modul SOS pentru set 964/13SOS



	B	L	H				
620894	188	364	30	25	1V	1	**58.01**

964/13ASOS

Set de surubelnite cu profil hexagonal si cap sferic cu maner in T in modul SOS



621068	3 - 10 / 6	775	1F	1	**287.38**

193HX (3, 4, 5, 6, 8, 10), **vl964/13ASOS** (188 x 364 x 30)

vl964/13ASOS

Modul SOS pentru set 964/13ASOS



	B	L	H				
621222	188	364	30	49	1V	1	**58.01**

964/14SOS

Set de surubelnite cu profil TX cu maner in T in modul SOS



621069	TX 15 - TX 40 / 6	530	1F	1	**392.62**

193TX (TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **vl964/14SOS** (188 x 364 x 30)

vl964/14SOS

Modul SOS pentru set 946/14SOS



	B	L	H				
621223	188	364	30	52	1V	1	**58.01**



964/15SOS

Set de scule VDE BI in modul SOS

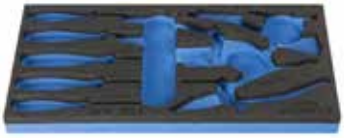


621070	9	1140	1F	1	**621.97**

406/1VDEBI (180), **461/1VDEBI** (160), **478/1VDEBI** (160), **603VDETBI** (0.4 x 2.5 x 75, 0.6 x 3.5 x 100, 1.0x5.5x125), **613VDETBI** (PH1 x 80, PH2 x 100), **630VDE** (0.5 x 3.0 x 140), **vl964/15SOS** (188 x 364 x 30)

vl964/15SOS

Modul SOS pentru set 964/15SOS



	B	L	H				
620895	188	364	30	41	1V	1	**58.01**



964/16SOS

Set capete chei tubulare cu profil TX in modul SOS



621071	18	1540	1F	1	**803.61**

192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **191/1** (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), **vl964/16SOS** (188 x 364 x 30)

vl964/16SOS

Modul SOS pentru set 964/16SOS



	B	L	H				
621224	188	364	30	43	1V	1	**58.01**

964/17SOS

Set de chei tubulare dublu articulate in modul SOS



621072	8 - 22 / 6	1545	1F	1		708.69

202/1 (8 x 9, 10 x 11, 12 x 13, 14x15, 16x17, 19x22), **vl964/17SOS** (188x364x30)

vl964/17SOS

Modul SOS pentru set 964/17SOS



	B	L	H				
621225	188	364	30	48	1V	1	58.01

964/18ASOS

Set de capete cu chei tubulare pipa 6 laturi in modul SOS



621073	8 - 19 / 10	2615	1F	1		1089.67

176 (8, 10, 11, 12, 13, 14, 16, 17, 18, 19), **vl964/18ASOS** (188 x 364 x 30)

vl964/18ASOS

Modul SOS pentru set 964/18ASOS



	B	L	H				
621226	188	364	30	56	1V	1	58.01

964/18BSOS

Set de capete cu chei tubulare pipa 12 laturi in modul SOS



621074	8 - 19 / 10	2615	1F	1		1089.67

177 (8, 10, 11, 12, 13, 14, 16, 17, 18, 19), **vl964/18BSOS** (188 x 364 x 30)

vl964/18BSOS

Modul SOS pentru set 946/18BSOS



	B	L	H				
621227	188	364	30	54	1V	1	58.01

964/19SOS

Set de capete chei tubulare 1/2" 6 laturi in modul SOS



621075	29	4770	1F	1	1486.23

190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2" x 380), **190.3/1** (1/2"), **190.4/1** (1/2" x 250, 1/2" x 125), **190.6/2** (1/2"), **192/2HX** (5, 6, 8, 10, 12), **vl964/19SOS** (374 x 364 x 30)

vl964/19SOS

Modul SOS pentru set 964/19SOS



	B	L	H				
620896	374	364	30	9,4	1V	1	111.37

964/19S12SOS

Set de capete chei tubulare 1/2" 12 laturi in modul SOS



621186	29	4770	1F	1	1486.23

190/1 12p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **192/2HX** (5, 6, 8, 10, 12), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2" x 380), **190.3/1** (1/2"), **190.6/2** (1/2"), **190.4/1** (1/2" x 125, 1/2" x 250), **vl964/19S12SOS** (374 x 364 x 30)

vl964/19S12SOS

Modul SOS pentru set 946/19SSOS



	B	L	H				
621238	374	364	30	104	1V	1	111.37

964/22SOS

Set de scule in modul SOS



621077	60	7100	1F	1	2438.85

190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2" x 380), **190.3/1** (1/2"), **190.4/1** (1/2" x 250, 1/2" x 125), **190.6/2** (1/2"), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14, 17), **192/2TX** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **641/6** (2, 3, 4, 5, 6, 8), **642/6** (4), **660/6** (150), **670/6** (150), 220/3 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **vl964/22SOS** (564 x 364 x 30)

vl964/22SOS

Modul SOS pentru set 964/22SOS



	B	L	H				
620897	564	364	30	134	1V	1	178.33

964/24SOS

Set de cater, bomfaier si ruleta in modul SOS



621079	3	800	1F	1	217.05

710P (5), **556B** (160), **753P** (150), **vl964/24SOS** (188 x 364 x 30)

vl964/24SOS

Modul SOS pentru set 964/24SOS



	B	L	H				
621230	188	364	30	39	1V	1	58.01

964/25SOS

Set de capete chei tubulare 3/8" in modul SOS



621080	6 - 22 / 23	1765	1F	1	824.59

238/1 6p (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.1/1ABI** (3/8"), **238.3/1** (3/8"), **238.4/1** (3/8" x 250, 3/8" x 125), **238.6/1** (3/8"), 238.7/2 (3/8" - 1/2"), **vl964/25SOS** (188 x 364 x 30)

vl964/25SOS

Modul SOS pentru set 964/25SOS



	B	L	H				
620898	188	364	30	25	1V	1	58.01

964/26 1/2SSOS

Set de pile semifine in modul SOS



621082	5	1200	1F	1	276.72

760H1/2S (200), **761H1/2S** (200), **763H1/2S** (200), **764H1/2S** (200), **765H1/2S** (200), **vl964/26 1/2SSOS** (188 x 364 x 30)

vl964/26 1/2SSOS

Modul SOS pentru set 964/26 1/2SOS



	B	L	H				
620902	188	364	30	49	1V	1	58.01

964/26BSOS

Set de pile bastard in modul SOS



621081	5	1095	1F	1	254.26

760HB (200), **761HB** (200), **763HB** (200), **764HB** (200), **765HB** (200), **vl964/26BSOS** (188 x 364 x 30)

vl964/26BSOS

Modul SOS pentru set 964/26BSOS



	B	L	H				
620901	188	364	30	50	1V	1	58.01

964/26SSOS

Set de pile fine in modul SOS



621083	5	1180	1F	1	276.72

760HS (200), **761HS** (200), **763HS** (200), **764HS** (200), **765HS** (200), **vl964/26SSOS** (188 x 364 x 30)

vl964/26SSOS

Modul SOS pentru set 964/26SSOS



	B	L	H				
620903	188	364	30	49	1V	1	58.01

964/27SOS

Set de chei combinate forjate cu clichet in modul SOS



621084	8 - 19 / 10	1490	1F	1	992.46

160/2 (8, 9, 10, 12, 13, 14, 16, 17, 18, 19), **vl964/27SOS** (188 x 364 x 30)

vl964/27SOS

Modul SOS pentru cset 964/27SOS



	B	L	H				
621231	188	364	30	42	1V	1	58.01



964/27ASOS

Set de chei combinate cu clichet, forjate, in modul SOS



625732	8 - 19 / 7	870	1F	1	646.72

160/2 (8, 10, 13, 15, 17, 19), **710R** (5)

vl964/27ASOS

Modul SOS pentru set 964/27ASOS



	B	L	H				
625733	188	364	30	42	1V	1	58.01

964/28SOS

Set de chei fixe, combinate, inelare si imbus in modul SOS



621387	60	8880	1F	1	2519.02

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **220/3S** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TX**(TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40),**vl964/28SOS** (564 x 364 x 30)

vl964/28SOS

Modul SOS pentru set 964/28SOS



	B	L	H			
621377	564	364	30	111	1V	1	178.33

964/29ASOS

Set de hei tubulare, teava si inelare decupate in modul SOS



623932	28	6400	1F	1	1739.34

215/2 (6 x 7, 8 x 10, 13 x 17, 19 x 22, 24 x 27, 30 x 32), **215.1/2** (6 - 17, 18 - 41), **182/2BTX** (6 x 8, 10 x 12, 14 x 18, 20 x 24), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 16 x 18, 17 x 19, 19 x 22, 22 x 24, 24 x 27, 30 x 32), **202/1** (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19), **VL964/29ASOS** (564 x 364 x 30)

VL964/29ASOS

Modul SOS pentru set 964/29ASOS



	B	L	H			
623933	564	364	30	115	1V	1	178.33

964/30SOS

Set de capete chei tubulare si accesorii in modul SOS



621389	96	7460	1F	1	3441.31

188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4" x 55, 1/4" x 150), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **238/1 6p** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.1/1FBI** (3/8"), **238.2/1BI** (3/8"), **238.3/1** (3/8"), **238.4/2** (3/8" x 45, 3/8" x 75), **238.4/1** (3/8" x 125, 3/8" x 250), **238.6/1** (3/8"), **238.7/2** (3/8" - 1/2"), **190/1 6p** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2" x 380), **190.3/1** (1/2"), **190.4/1** (1/2" x 250, 1/2" x 125), **190.6/2** (1/2"), **vl964/30SOS** (564 x 364 x 30)

vl964/30SOS

Modul SOS pentru set 964/30SOS



	B	L	H			
621379	564	364	30	138	1V	1	178.33

964/31SOS

Set de scule de mana in modul SOS



621390	79	8450	1F	1	4630.33

192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **192/2TXL** (TX20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **191/1** (E 10, E 11, E 12, E 14, E 16, E18, E 20, E 22, E 24), **192/2ZX** (M 5, M 6, M 8, M 10, M 12, M 14), **192/2ZXL** (M 6, M 8, M10, M 12, M 14), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14), **192/2HXL** (5 x 100, 6 x 100, 7 x 100, 8 x 100, 10 x 100, 12 x 100), **190/1 12p** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), **186.4/2** (21, 19, 16), **641/6** (2, 3, 4, 5, 6, 8), **263A** (30 - 150), **vl964/31SOS** (564 x 364 x 30)

vl964/31SOS

Modul SOS pentru set 964/31SOS



	B	L	H			
621380	564	364	30	148	1V	1	178.33

964/32SOS

Set de clesti si ciocane in modul SOS



621391	14	5250	1F	1	1785.57

406/1BI (180), **466/1BI** (180), **508/1BI** (200), **512/1BI** (200), **442/1HYPO** (240), **430/3** (250), **532PLUS/4DP** (180 x 19 - 60), **534PLUS/4DP** (180 x 19 - 60), **536PLUS/4DP** (180 x 19 - 60), **538PLUS/4DP** (180 x 19 - 60), **812** (400), **819A** (45), **660/6** (200), **642/6** (5), **vl964/32SOS** (564 x 364 x 30)

vl964/32SOS

Modul SOS pentru set 964/32SOS



	B	L	H			
621381	564	364	30	149	1V	1	178.33

964/32ASOS

Set de clesti si ciocane in modul SOS



623936	14	6000	1F	1	1642.30

406/1BI (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **514/1BI** (160), **512/1BI** (200), **532PLUS/1DP** (180 x 19 - 60), **534PLUS/1DP** (180 x 19 - 60), **536PLUS/1DP** (180 x 19 - 60), **538PLUS/1DP** (180 x 19 - 60), **642/6** (5), **660/6** (200), **812** (400), **820A** (40), **vl964/32ASOS** (564 x 364 x 30)

vl964/32ASOS

Modul SOS pentru set 964/32ASOS



	B	L	H				
623937	564	364	30	115	1V	1	178.33

vl964/34SOS

Modul SOS pentru set 964/34SOS



	B	L	H				
621383	564	364	30	138	1V	1	178.33

964/36SOS

Set de capete chei tubulare cu accesorii in modul SOS



621395	88	6820	1F	1	3110.16

188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E4, E5, E6, E7, E8, E10,E 11), 187/2HX (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), 188.3/2 (1/4"), **188.4/2** (1/4" x 55, 1/4" x 150), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **190/1 6p** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **191/1** (E10, E11, E12, E14), **192/2HX** (6, 7, 8, 9, 10, 12), **192/2TX** (TX30, TX 40, TX 45, TX 50), **192/2ZXL** (M 6, M 8, M 10, M 12), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2" x 380), **190.3/1** (1/2"), **190.4/1** (1/2" x 250, 1/2"x125), **190.6/2** (1/2"), **vl964/36SOS** (564 x 364 x 30)

964/33SOS

Set de surubelnite in modul SOS



621392	30	3200	1F	1	1431.48

605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.6 x 8.0 x 175), **615TBI** (PH 0 x 60, PH 1 x 80, PH 2 x 100, PH 3 x 150), **626TBI** (PH 1 x 25, PH2x25), **627TBI** (1.0 x 5.5 x 25, 1.2 x 6.5 x 25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX20, TX 25, TX 27, TX 30, TX 40), **629TBI** (6, 7, 8, 9, 10, 11, 12, 13), **vl964/33SOS** (564 x 364 x 30)

964/35SOS

Set de chei fixe, combinate, inelare si imbus in modul SOS



621394	63	7630	1F	1	2428.36

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **120/1** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TXPH** (TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40), **vl964/35SOS** (564 x 364 x 30)

vl964/36SOS

Modul SOS pentru set 964/36SOS



	B	L	H				
621385	564	364	30	152	1V	1	178.33

vl964/33SOS

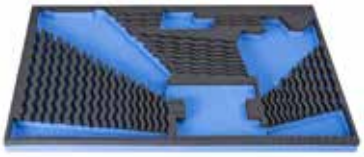
Modul SOS pentru set 964/33SOS



	B	L	H				
621382	564	364	30	105	1V	1	178.33

vl964/35SOS

Modul SOS pentru set 964/35SOS



	B	L	H				
621384	564	364	30	110	1V	1	178.33

964/34SOS

Set de surubelnite cu maner in T, cutter si pile in modul SOS



621393	18	2360	1F	1	1049.67

193HXS (2.5, 3, 4, 5, 6, 8, 10), **193TX** (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX40, TX 45), **760H1/2S** (200), **764H1/2S** (200), **556B** (160), **vl964/34SOS** (564 x 364 x 30)



964/37SOS

Set de surubelnite in modul SOS

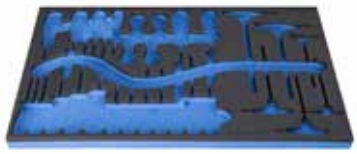


621396	28	2600	1F	1	1110.00

605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.6 x 8.0 x 175), **615TBI** (PH 0 x 60, PH 1 x 80, PH2x100, PH 3 x 150), **626TBI** (PH 1 x 25, PH2x25), **627TBI** (1.0 x 5.5 x 25, 1.2 x 6.5 x 25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX20, TX 25, TX 27, TX 30, TX 40), **193HXS** (3, 4, 5, 6, 8, 10), **vl964/37SOS** (564 x 364 x 30)

vl964/37SOS

Modul SOS pentru set 964/37SOS



UNIOR

	B	L	H				
621386	564	364	30	118	1V	1	178.33

964/46SOS

Set de chei si surublenite, chei combinate si imbus in modul SOS



UNIOR

623987	36	3500	1F	1	1202.95

120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24), **220/3** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **605TBI** (0.4x2.5x75, 0.5x3.0x 80, 0.6x3.5x100, 0.8x4.0x100, 1.2x6.5x150, 1.2 x 8.0 x 175), **615TBI** (PH1x80, PH2x100), **627TBI** (1.0 x 5.5 x 25), **626TBI** (PH2x25), **VL964/46SOS** (564 x 364 x 30)

vl964/46SOS

Modul SOS pentru set 964/46ASOS



UNIOR

	B	L	H				
623968	564	364	30	115	1V	1	178.33

964/47SOS

Set de capete chei tubulare in modul SOS



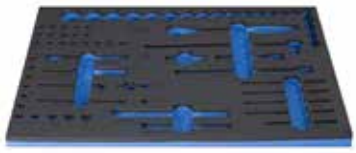
UNIOR

623988	67	6000	1F	1	2274.75

188/2 6p (5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14), **187/2HX** (3, 4, 5, 6, 7), **187/2PH** (PH1, PH 2), **187/2SL** (0.8 x 4, 1 x 5.5, 1.2 x 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX27, TX 30, TX 40), **188.1/1ABI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x150, 1/4" x 55), **188.6/2** (1/4"), **188.8** (1/4"), **190/1 6p** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32), **190.1/1ABI** (1/2"), **190.3/1** (1/2"), **190.4/1S** (1/2" x 125, 1/2" x 250), **190.6/2** (1/2"), **641/6** (3, 4, 5, 6), **642/6** (5), **660/6** (150, 200), **vl964/47SOS** (564 x 364 x 30)

vl964/47SOS

Modul SOS pentru set 964/47SOS



UNIOR

	B	L	H				
623969	564	364	30	115	1V	1	178.33

964/48ASOS

Set de clesti cu manere BI si ciocan in modul SOS



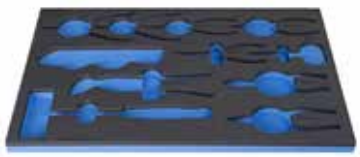
UNIOR

626751	11	3660	1F	1	1402.95

406/1BI (180), **430/3** (250), **447/1HPP** (240), **461/1BI** (160), **508/1BI** (170), **532PLUS/1DP** (180 x 19 - 60), **534PLUS/1DP** (180 x 19 - 60), **536PLUS/1DP** (180 x 19 - 60), **538PLUS/1DP** (180 x 19 - 60), **582/3P**(145), **812** (400)

VL964/48SOS

Modul SOS pentru set 964/48ASOS



UNIOR

	B	L	H				
623970	564	364	30	115	1V	1	178.33

964/48SOS

Set de clesti BI si ciocan modul SOS



UNIOR

623989	11	4100	1F	1	1562.46

405/1BI (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **508/1BI** (170), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180 x 19 - 60), **536PLUS/1DP** (180 x 19 - 60), **538PLUS/1DP** (180 x 19 - 60), **582/3P** (150), **819A** (45), **vl964/48SOS** (564 x 364 x 30)

964/49SOS

Set de scule in modul SOS



UNIOR

623990	13	3200	1F	1	880.33

300/2C (320), **556A** (160), **701** (0.05 - 1 x 20), **710P** (3), **753P** (150), **760H1/2S** (200), **761H1/2S** (200), **763H1/2S** (200), **764H1/2S** (200), **812** (400), **820A** (32), **2035, 2087** (1), **vl964/49SOS** (564 x 364 x 30)

vl964/49SOS

Modul SOS pentru set 964/49SOS

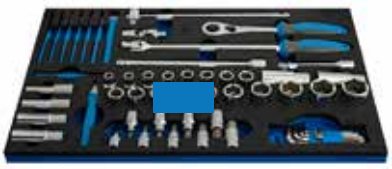


UNIOR

	B	L	H				
623971	564	364	30	115	1V	1	178.33

964/50SOS

Set de capete chei tubulare in modul SOS



UNIOR

623991	57	7200	1F	1	2284.26

190.1/1ABI (1/2"), **190.2/1BI** (1/2" x 380), **190.3/1** (1/2"), **190.4/1** (1/2" x 125, 1/2" x 250), **190.6/2** (1/2"), **190/1 6p** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190/1L12p** (10, 13, 17, 19, 22, 24), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14, 17), **220/3** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **641/6** (2, 3, 4, 5, 6, 8), **642/6** (4), **660/6** (150), **670/6** (150), **vl964/50SOS** (564x364x 30)

vl964/50SOS

Modul SOS pentru set 964/50SOS



UNIOR

	B	L	H				
623998	564	364	30	115	1V	1	178.33

964/51SOS

Set de clesti Bl si ciocane in modul SOS



UNIOR

623992	14	4000	1F	1	1620.49

406/1Bl (180), 430/3 (250), 445/1Bl (240), 466/1Bl (180), 508/1Bl (200), 512/1Bl (200), 532PLUS/1DP (180 x 19 - 60), 534PLUS/1DP (180 x 19 - 60), 536PLUS/1DP (180 x 19 - 60), 538PLUS/1DP (180 x 19 - 60), 812 (400), 642/6 (5), 660/6 (200), 820 (40), vl964/51SOS (564 x 364 x 30)

vl964/51SOS

Modul SOS pentru set 964/51SOS



UNIOR

	B	L	H				
623999	564	364	30	115	1V	1	178.33

964/52SOS

Set de scule in modul SOS



UNIOR

623993	8	4490	1F	1	840.66

812 (800, 1000), 300/2 (400, 500), 750 (407), 760H1/2S (200), 763H1/2S (200), 556A (160), vl964/52SOS (564x364x30)

vl964/52SOS

Modul SOS pentru set 964/52SOS



UNIOR

	B	L	H				
624011	564	364	30	115	1V	1	178.33

964/53SOS

Set de capete chei tubulare in modul de spuma SOS



UNIOR

623995	22	12000	1F	1	3163.11

197.1/1 (3/4" x 500), 197.3/1 (3/4"), 197.4/1 (3/4" x 200, 3/4"x400), 197/1 6p (22, 24, 27, 30, 32, 36, 38, 41, 46, 50), 197/2AHX (14, 17, 19, 22), 197.7/1 (3/4" - 1/2"), 190.7/2 (1/2" x 3/4"), 2035, 2087 (1), vl964/53SOS (564 x 364 x 30)

vl964/53SOS

Modul SOS pentru set 964/53SOS



UNIOR

	B	L	H				
624013	564	364	30	115	1V	1	178.33



vl964/54SOS

Modul SOS pentru set 964/54SOS



UNIOR

	B	L	H				
624012	564	364	30	124	1V	1	178.33

964/55SOS

Set de capete chei tubulare lungi 1/2" in modul SOS



UNIOR

625332	10 - 32 / 17	2800	1F	1	992.79

190/1L12p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32)

vl964/55SOS

Modul SOS pentru set 964/55SOS



UNIOR

	B	L	H				
625333	564	364	30	115	1V	1	55.77

964/56SOS

Set de capete chei tubulare lungi 3/8" in modul SOS



UNIOR

625334	8 - 22 / 16	1603	1F	1	620.33

238.3/1 (3/8"), 238/1L6p (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22)

vl964/56SOS

Modul SOS pentru set 964/56SOS



UNIOR

	B	L	H				
625335	564	364	30	115	1V	1	53.88



964ECO2

Set de chei combinate varianta scurta in modul SOS



UNIOR

621287	8 - 24 / 12	1620	1F	1	564.43

125/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), **vl964ECO2** (498 x 135 x 30)

vl964ECO2

Modul SOS pentru set 964ECO2



UNIOR

	B	L	H				
620871	498	135	30	49	1V	1	59.90

964ECO2A

Set de chei combinate varianta lunga in modul SOS



UNIOR

621288	8 - 24 / 12	1900	1F	1	610.33

120/1 (8, 9, 10, 12, 13, 14, 17, 19, 20, 21, 22, 24), **vl964ECO2A** (498 x 135 x 30)

vl964ECO2A

Modul SOS pentru set 964ECO2A



UNIOR

	B	L	H				
620872	498	135	30	64	1V	1	59.90



vl964ECO3

Modul SOS pentru set 964ECO3



UNIOR

	B	L	H				
620873	498	135	30	49	1V	1	59.90

964ECO5

Set de capete chei tubulare si accesorii 1/4" in modul SOS



UNIOR

621290	45	1115	1F	1	1045.08

188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **189/2** (E4, E5, E6, E7, E8, E10, E11), **187/2HX** (3, 4, 5, 6, 7), **187/2PH** (PH 1, PH2, PH 3), **187/2SL** (0.8 x 4, 1 x 5.5, 1.2 x 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX27, TX 30, TX 40), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4" x 150, 1/4" x 55), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **vl964ECO5** (498 x 135 x 30)

vl964ECO5

Modul SOS pentru set 964ECO5



UNIOR

	B	L	H				
620874	498	135	30	55	1V	1	59.90

964ECO6

Set de clesti BI in modul SOS



UNIOR

621291	4	1220	1F	1	517.87

406/1BI (180), **461/1BI** (160), **514/1BI** (160), **445/1BI** (240), **vl964ECO6** (498 x 135 x 30)

vl964ECO6

Modul SOS pentru set 964ECO6



UNIOR

	B	L	H				
620875	498	135	30	53	1V	1	59.90

964ECO9

Set de surubelnite TBI in modul SOS



UNIOR

621292	8	690	1F	1	297.38

605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), **615TBI** (PH 0 x 60, PH 1 x 80, PH 2 x 100), **625TBI** (PZ 2 x 100), **vl964ECO9** (498 x 135 x 30)

vl964ECO9

Modul SOS pentru set 964ECO9



UNIOR

	B	L	H				
620876	498	135	30	53	1V	1	59.90



vl964ECO10

Modul SOS pentru set 964ECO10



UNIOR

	B	L	H				
620877	498	135	30	49	1V	1	59.90

964ECO19

Set de capete chei tubulare 1/2" in modul SOS



UNIOR

621294	10 - 32 / 23	3420	1F	1	1114.26

190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.3/1** (1/2"), **190.4/1** (1/2" x 250, 1/2" x 125), **190.6/2** (1/2"), **vl964ECO19** (498 x 135 x 30)

vl964ECO19

Modul SOS pentru set 964ECO19



UNIOR

	B	L	H				
620878	498	135	30	42	1V	1	59.90

964ECO26 1/2S

Set de pile in modul SOS



UNIOR

621295	4	880	1F	1	243.77

760H1/2S (200),
763H1/2S (200),
765H1/2S (200), 768H1/2S (200),
vl964ECO26 1/2S (498 x 135 x 30)

vl964ECO26 1/2S

Modul SOS pentru set 964ECO26 1/2S



UNIOR

	B	L	H				
620879	498	135	30	56	1V	1	59.90

1000AC

Set scule 21 piese

• setul de scule este destinat ca o baza pentru electricieni



UNIOR

604577	21	4244	1F	1	1350.66

385H (4 - 28), 406/1VDEBI (180), 461/1VDEBI (160), 472/1VDEBI (160), 478/1VDEBI (160), 508/1VDEBI (200), 603VDETBI (0.4 x 2.5 x 75, 0.6 x 3.5 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 605CR (1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 613VDETBI (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140), 660/6 (200), 665/6A (250 x 11), 710P (3), 753W (150), 761HB (200), 812 (300)

1000A

Set scule 167 piese

• proiectat pentru intretinere in atelierele de automobile, in domeniul agricol si in industrie



UNIOR

608140	167	29000	1F	1	9307.54

120/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), 188.3/2 (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.2/1BI (1/2" x 380), 190.3/1 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.6/2 (1/2"), 192/2HX (6, 8, 10), 192/2TX (TX 25, TX 27, TX 30, TX 40), 193HX (2.5, 4, 5, 8), 200/2 (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22), 205/2 (60 - 140), 220/3 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 220/3S (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 238.7/1 (3/8" - 1/2"), 250/1 (250), 406/1BI (180), 430/3 (250), 447/1HPP (240), 461/1BI (160), 481/6 (1.1/2"), 512/1BI (170), 514/1BI (160), 532PLUS/1DP (180 x 19 - 60), 534PLUS/1DP (180 x 19 - 60), 536PLUS/1DP (180 x 19 - 60), 538PLUS/1DP (180 x 19 - 60), 563R/7PR (280), 605TBI (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175, 1.6 x 10.0 x 200), 615TBI (PH 0 x 60, PH 1 x 80, PH 2 x 100, PH 3 x 150), 621TBI (TX 27, TX 30, TX 40), 625TBI (PZ 2 x 100), 626TBI (PH 2 x 25), 627TBI (1.2 x 6.5 x 25), 631 (6 - 12), 640/6 (2, 4, 6, 8), 641/6 (2, 4, 6, 8, 10), 642/6 (5), 660/6 (150, 250), 670/6 (150), 682/2 (2 x 190 x 230), 701 (0.05 - 1 x 13), 750 (407), 812 (300, 500, 1000), 820 (22), 6480C8 (1.2 x 6.5 x 41, 1.6 x 8.0 x 41, 2.0 x 12.0 x 41), 6483C8 (PH 2, PH 3), 6484C8 (PH 4), 6489C8 (5, 6), 6492C8 (TX 20, TX 25, TX 30, TX 40), 6762.1 (1/2" x 144), 6762.2 (1/2" - 5/16")

1000B

Set scule 184 piese



UNIOR

608141	184	48000	1F	1	12671.15

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), 180/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), 188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), 190.1/1ABI (1/2"), 190.2/1BI (1/2" x 380), 190.3/1 (1/2"), 190.4/1 (1/2" x 125, 1/2" x 250), 190.6/2 (1/2"), 192/2HX (6, 8), 192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), 200/2 (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22), 206/2 (60 - 140), 212/2 (17, 19), 215/2 (10 x 11, 12 x 13), 220/3 (3, 4, 5, 6, 8, 10, 12, 14, 17, 19), 250/1 (250), 300/2 (400), 406/1BI (180), 430/3 (175, 250), 431/2 (325), 445/1BI (180, 240), 455/1BI (160), 466/1BI (180), 481/6 (1.1/2"), 514/1BI (160), 532PLUS/1DP (180 x 19 - 60), 534PLUS/1DP (180 x 19 - 60), 536PLUS/1DP (180 x 19 - 60), 538PLUS/1DP (180 x 19 - 60), 563R/7PR (280), 605TBI (0.4 x 2.5 x 75, 0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175, 1.6 x 10.0 x 200), 615TBI ()PH 1 x 80, PH 2 x 100, PH 3 x 150, PH 4 x 200), 626TBI (PH 2 x 25), 627TBI (0.8 x 4.0 x 25), 629TBI (6, 8, 10, 12, 13), 630VDE (0.6 x 3.5 x 180), 631 (6 - 12), 631B (6 - 24), 640/6 (2, 3, 5, 6, 8, 10), 642/6 (5), 660/6 (200, 250), 670/6 (150), 680/2 (2 x 230 x 190), 681/2 (300), 682/2 (2 x 190 x 230), 686/2 (16 x 260), 701 (0.05 - 1 x 13), 750 (407), 812 (300, 500, 1000), 820 (22), 6480C8 (1.2 x 6.5 x 41, 1.6 x 8.0 x 41, 2.0 x 12.0 x 41), 6483C8 (PH 2, PH 3), 6484C8 (PH 4), 6489C8 (5, 6), 6492C8 (TX 25, TX 30, TX 40, TX 20), 6762.1 (1/2" x 144), 6762.2 (1/2" - 5/16"), 238.4/2 (3/8" x 75)

1000AD

Set scule 62 piese

• setul de scule este destinat ca o baza pentru electricieni



UNIOR

611884	62	5400	1F	1	2914.26

188/2 6p (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), 188.1/1ABI (1/4"), 188.2/2BI (1/4"), 188.3/2 (1/4"), 188.4/2 (1/4" x 55, 1/4" x 150), 193HX (2.5, 4), 193TX (TX 6, TX 9, TX 20, TX 25), 220/3 (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 220/3SL (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), 250/1 (200), 385H (4 - 28), 406/1VDEBI (180), 461/1VDEBI (160), 466/1VDEBI (180), 478/1VDEBI (160), 508/1VDEBI (200), 512/1VDEBI (200), 580/1VDEBI (170), 603VDETBI (0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.6 x 3.5 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), 613VDETBI (PH1 x 80, PH2 x 100), 630VDE (0.5 x 3.0 x 140), 665/6A (250 x 11), 710P (5), 750 (407), 812 (300)

1000D

Set scule 143 piese

• proiectat pentru intretinere in atelierele de automobile, in domeniul agricol si in industrie



UNIOR

608143	143	26500	1F	1	8057.87

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **125/1**(6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **188/2 6p** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4" x 150, 1/4" x 55), **190/1 6p** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2" x 380), **190.3/1** (1/2"), **190.4/1** (1/2" x 125, 1/2" x 250), 190.6/2 (1/2"), **200/2** (11 x 13, 13 x 17, 14 x 17, 15 x 16, 19 x 22), **205/2** (60 - 140), **212/2** (24), **220/3**(3, 4, 5, 6, 8, 10, 12, 14, 17, 19), **300/2** (400), **405/1BI** (180), **425/4A** (1.5 - 6 x 240), **430/3** (175), **431/2** (325), **447/1HPP** (240), **455/1BI** (160), **514/1BI** (160), **532PLUS/1DP** (180 x 19 - 60), **534PLUS/1DP** (180 x 19 - 60), **536PLUS/1DP**(180 x 19 - 60), **538PLUS/1DP** (180 x 19 - 60), **563R/7PR** (280), **600TBI** (1.0 x 5.5 x 100, 1.2 x 6.5 x 125, 1.2 x 8.0 x 150), **605TBI** (0.5 x 3.0 x 80, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175, 1.6 x 10.0 x 200), **615TBI** (PH 1 x 80, PH 2 x 100, PH 3 x 150, PH 4 x 200), **626TBI** (PH 2 x 25), **627TBI** (0.8 x 4.0 x 25), **631** (6 - 12), **640/6** (2, 3, 4, 5, 6), **642/6** (4), **660/6** (200, 250), **670/6** (150), **701** (0.05 - 1 x 13), **750** (407), **812** (300, 500, 1000), **820** (22)

1000S

Set scule 51 piese

• proiectat pentru intretinerea de baza in diferite domenii, de la ateliere de reparatii auto, servicii agricole si intretinere in industrie.

• este recomandat si ca set de instrumente pentru vehicule



UNIOR

609329	51	11300	1F	1	2559.67

125/1 (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24), **220/3S**(1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **250/1** (200), **190/1 6p** (13, 17, 19, 22, 24), **190.1/1ABI** (1/2"), **190.4/1** (1/2" x 125), **190.6/2** (1/2"), **406/1BI** (180), **447/1HPP** (240), **461/1BI** (160), **512/1BI** (200), **514/1BI** (160), **605TBI** (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150), **615TBI** (PH 1 x 80, PH 2 x 100), **625TBI**(PZ 2 x 100), **626TBI** (PH 2 x 25), **627TBI** (1.2 x 6.5 x 25), **710P** (2), **812** (500)

1015A

Set scule 53 piese

• proiectat pentru montarea si intretinerea sistemelor de aer conditionat



UNIOR

623947	53	11300	1F	1	4726.72

120/1 (10, 13, 17, 19), **160/2** (10, 13, 17), **190/1 6p** (17, 19), **190/1L12p** (13, 17), **190.1/1ABI** (1/2"), **190.4/1** (1/2" x 125), **220FH** (7), **220/3LPH** (9), **250/1** (150), **250/1ADP** (200, 250), **355/6** **358/6**(3 - 16), 360/6 (3 - 32), **385H** (4 - 28), **406/1BI** (180), **429/3** (175), **461/1BI** (160), **466/1BI** (180), **580/1BI** (170), **571R/3G** (260),**603CS6VDETBI** (6), **626TBI** (PH 1 x 25, PH 2 x 25), **630VDE** (0.6 x 3.5 x 180), **556A** (160), **710P**(5), **812** (300), **753P** (150), **2084** (240), **1250** (400), **2042/2** (115), 917 (A)

1000T

Set scule 53 piese

• proiectat pentru intretnerea de baza a instalatiilor electrice



UNIOR

609330	53	9430	1F	1	3372.13

110/1(6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **220/3S**(1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **250/1**(200), **406/1VDEBI** (160), **420/1VDEBI** (180), **425/4AB** (1.5 - 6 x 240), **447/1VDEBI** (240), **466/1VDEBI** (180), **478/1VDEBI** (160), **508/1VDEBI** (170), **512/1VDEBI** (170), **514/1BI** (160), **580/1VDEBI** (230), **603VDETBI** (0.4 x 2.5 x 75, 0.5 x 3.0 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.2 x 8.0 x 175), **613VDETBI** (PH0 x 60, PH1 x 80, PH2 x 100), **630VDE** (0.5 x 3.0 x 140, 0.6 x 3.5 x 180), 641/6 (5), **660/6** (150), **665/6A** (250 x 12), **710P**(3), **750** (407), **760H1/2S** (250), **761H1/2S** (250), 812 (300), **817** (1000), **820** (32)



905BI

Trusa scule 13 piese



UNIOR

620105	13	1901	1T	1	858.69

406/1BI (160), **461/1BI** (160), **478/1BI** (160), **472/1BI** (160), 556A (160), **753P** (150), **710P** (3), **602TBI** (0.4 x 2.5 x 75, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), **615TBI** (PH 1 x 80, PH 2 x 100), **630VDE** (0.5 x 3.0 x 140)

905CR

Trusa scule 13 piese



UNIOR

620106	13	1890	1T	1	740.98

406/4G (180), **461/4G** (160), **478/4G** (160), **472/4G** (160), **556A**(160), **753P** (150), **710P**(3), **602CR**(0.4 x 2.5 x 60, 0.8 x 4.0 x 100, 1.0 x 5.5 x 125), **615CR** (PH 1 x 80, PH 2 x 100), **630VDE** (0.5 x 3.0 x 140)



911N6P21

Trusa capete tubulare 1/2”

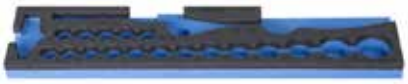


619470	21	2665	1F	1	958.52

190/1 6p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.4/1** (1/2" x 125), **190.6/2** (1/2"), **VL911N6SOS** (95 x 447 x 30)

VL911N6SOS

Modul spuma SOS pentru 911



	B	L	H				
622693	95	447	30	26	1V	1	35.74

911N12P21

Trusa capete tubulare 1/2”

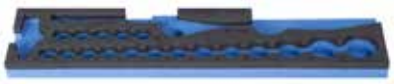


619471	21	2500	1F	1	958.52

190/1 12p (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.4/1** (1/2" x 125), **190.6/2** (1/2"), **VL911N12SOS** (95 x 447 x 30)

VL912N6SOS

Modul spuma SOS pentru 911



	B	L	H				
622698	95	447	30	26	1V	1	35.74

930

Trusa scule in cutie tabla



601996	76	22000	1F	1	5044.75

110/1CB , **180/1CB** , **212/2** (19), **220/3PB** , **186.4/2** (21), **238.1/1FBI** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"X380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **300/2** (400(2X)), **405/1BI** (180), **430/3** (175), **447/1HPP** (240), **461/1BI** (160), **506/1BI** (140), **514/1BI** (160), **563R/7PR** (280), **605TBI** (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175), **615TBI** (PH 2x100, PH 3x150), **631** (6-12), **812** (500), **912/5** (560x210x225)

931

Trusa scule in cutie tabla



601995	108	26500	1F	1	6424.59

110/1CB , **125/1CB** , **180/1CB** , **200/2CB** , **220/3PB** , **186.4/2** (21), **238.1/1FBI** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"X380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **300/2** (400(2X)), **406/1BI** (180), **425/4A** (1.5 - 6x240), **430/3** (175), **445/1BI** (240), **447/1HPP** (240), **461/1BI** (160), **514/1BI** (280), **563R/7PR** (280), **605TBI** (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175), **615TBI** (PH 1x80, PH 2x100, PH 4x200), **626TBI** (PH 2x25), **627TBI** (0.8 x 4.0x25), **631** (6 - 12), **640/6** (3,4), **642/6** (3), **660/6** (150, 200), **670/6** (150), **812** (500), 912/5 (560x210x225)



932

Trusa scule in cutie tabla



601994	136	29000	1F	1	7485.25

912/5 (560x210x225), **110/1CB** , **125/1CB** , **180/1CB** , **186.4/2** (21, 21), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188/2 6P** (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13), **190.1/1ABI** (1/2") , **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x125, 1/2"x250), **190.6/2** (1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **200/2CB** , **205/2** (60 - 140), **212/2** (24), **220/3PB** , **238.1/1FBI** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **300/2** (400 (2X)), **405/1BI** (180), **425/4A** (1.5 - 6x240), **430/3** (175), **431/2** (325), **445/1BI** (240), **472/1BI** (140), **476/1BI** (140), **563R/7PR** (280), **605TBI** (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.2 x 8.0x175, 1.6 x 10.0x200), **615TBI** (PH 1x80, PH 2x100, PH 3x150, PH 4x200), **626TBI** (PH 2x25), **627TBI** (0.8 x 4.0x25), **631** (6 - 12), **640/6** (3, 4, 5), 642/6 (5), **660/6** (150, 250), **670/6** (150),

971/1BI

Trusa scule in geanta ABS



608540	51	10000	1F	1	4160.16

1000S , 969S (485 x 380 x 175) **, 969.5S**

971/2VDE

Trusa scule in geanta ABS



608541	53	15800	1F	1	4973.77

1000T , 969S (485 x 380 x 175) **, 969.5S**

971/3DE

Trusa scule in geanta ABS



612548	62	10969	1F	1	4567.70

1000AD , 969S (485 x 380 x 175) **, 969.5S**

1013C NOU

Trusa scule pentru instalatori BASIC 21 piese in geanta textila



628822	29	7400	1K	1	2055.74

1112 (510x280x310), **220/3SPH**, **360/6A** (3 - 35x1/8" - 1.3/8"), **508/1BI** (200), **447/1HPP** (240), **461/1BI** (160), **482/6** (1.1/2"), **531/4** (224), **563R/7PR** (280), **605TBI** (0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150), **615TBI** (PH 1x80, PH 2x100), **630VDE** (0.6 x 3.5x180), **710W** (2m), **753W** (150), **812** (500), **1299** (180), **1250** (300), **2035**

TSE3

Trusa profesionala de scule pentru electricieni in cutie ABS



617449	54	20000	1K	1	3226.51

126EPB (6, 8, 10, 12, 13, 14, 17, 19), **220/3SLPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10) **385VDE** (180), **406/1BI** (180), **441/4P** (240), **461/4G** (160), **472/1BI** (160), **476/1BI** (160), **478/4G** (160), **508/4G** (170), **512/1BI** (200), **532PLUS/1DP** (180 x 19 - 60), **536PLUS/1DP** (180 x 19 - 60), **556B** (160), **569R/7P** (250), **580/1BI** (230), **600CR** (1.2 x 6.5 x 125), **603VDE** (0.6 x 3.5 x 100, 1.2 x 6.5 x 150), **602CR** (05 x 3.0 x 100, 1.0 x 5.5 x 150), **615CR** (PH 1 x 80, PH 2 x 100) **621CR** (TX 25, TX 27), **623VDE** (PZ 1 x 80, PZ 2 x 100), **625CR** (PZ 3 x 150), **629CR** (4, 5, 6, 7, 8, 10), **630VDE** **660/6A** (125), **761H1/2S** (250), **763H1/2S** (250), **812/A** (300), **970U1** (400 x 310 x 160),

911/5ak1

Trusa profesionala de scule pentru mecanici auto TSA in cutie metalica 911/5 ak1



616643	65	20000	1K	1	2957.98

111 E PB (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **181 E PB** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22) **190/1 6p** (8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 29, 30, 32) **190.9/2BI** (1/2", 252) **190.3/1** (1/2", 300), **190.4/1** (1/2", 125, 250) **190.6/2** (1/2"), **605NI** (1.0 x 5.5 x 125, 1.2 x 6.5 x 150), **615NI** (PH 1 x 80, PX 2 x 100, PH 3 x 150), **406/4P** (160), **506/4P** (160), **461/4P** (160), **532PLUS/1DP** (180 x 19 - 60), **536PLUS/1DP** (180 x 19 - 60), **441/4P** (240), **777/6C** (150), **660/6A** (125), **670/6** (150), **812** (400), **820** (32) **760B** (200), **763B** (200), **565R/7P** (250), **911/5** (450 x 215 x 240)

911/5ak2

Trusa profesionala de scule pentru instalatori TSI in cutie metalica 911/5 ak2



616644	43	20000	1K	1	2500.43

111 E PB (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **117/4** (36, 41), **181 E PB** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), **220SLPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **205/2** (60 - 140), **406/4P** (180), **441/4P** (240), **482/6** (1"), **506/4P** (160), **660/6A** (125), **660/6** (150), **670/6** (150), **777/6C** (150), **812** (500, 1000), **429/3** (250), **492/6** (2"), **565R/7P** (250), **605NI** (1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.6 x 10.0 x 200), **763B** (200), **911/5** (450 x 215 x 240)

911/5ak3

Trusa profesionala de scule pentru lacatusi TSL in cutie metalica 911/5 ak3



616645	80	20000	1K	1	3000.00

111EPB (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **181EPB** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **126EPB** (8, 10, 11, 13, 15, 17, 19, 22), **220/3** (3, 4, 5, 6, 8, 10, 12, 14) **190/1 6p** (8, 10, 12, 13, 14, 17, 19, 20, 22, 24) **190.9/2BI** (252) **190.3/1** (300), **190.4/1** (125, 250) **605NI** (0.8 x 4.0 x 100, 1.0 x 5.5 x 125, 1.2 x 6.5 x 150, 1.6 x 10.0 x 200), **615NI** (PH 1 x 80, PH 2 x 100), **406/4P** (180), **466/4P** (180), **530/4** (180), **441/4P** (240), **565R/7P** (250), **660/6** (150), **670/6** (150), **642/6** (4), **640/6** (3), **777/6C** (150), **812** (200, 500), **820A** (40) **760B** (200), **763B** (200), **764B** (200), **556B** (160), **710R** (3), **911/5** (450 x 215 x 240)



ECHIPAMENT ATELIER

Calitatea tablei de otel

Carucioarele, bancurile, dulapurile si alte echipamente de stocare la fel ca si accesoriile acestora sunt confectionate din tabla de inalta calitate. Vopsirea in camp electrostatic le confera rezistenta la coroziune si julituri, acestea fiind practic indestructibile.

Designul inovator

O cunoastere aprofundata a tuturor cerintelor utilizatorilor profesionisti a dus la crearea unui echipament pentru ateliere capabil sa ofere mare accesibilitate, stocare perfecta si imbunatatirea vizualizarii in orice moment a produselor stocate.

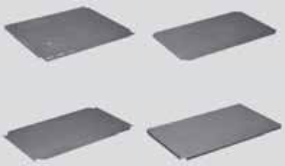
Stocare perfecta

Prin modul de stocare si accesibilitatea usoara, echipamentul de stocare Unior va ajuta sa va tineti atelierul in perfecta ordine si mai ales va permite o crestere a productivitatii muncii.

UNIOR PORT-BAG KRONUS Panaro HEPCO & BECKER

O procedura speciala pentru fabricarea carucioarelor de scule

1. Capacul, baza, stalpul stanga, stalpul dreapta si de perete sunt stantate pornind de la o rola de tabla si stantate pe CNC, apoi indoite pe o alta masina CNC.



2. Consola pentru roata este prima data taiata cu o foarfeca, indoita pe stanta (in doua etape), perforata si filetata pentru montarea rotii.

3. Manerul este stantat pornind de la o rola de tabla pe o masina de stantat CNC, apoi transferat pe o masina de indoit CNC si nituit pe stalpul in partea stanga.

PRODUCTIA SERTARELOR



Apoi, toate elementele sunt incarcate intr-o celula robotizata pentru sudare si intreg ansamblul este in intregime sudat inainte de a fi transportat pentru vopsire.

4. Sertarul 70 este stantat pe o masina CNC apoi indoit de doua ori pe un alt CNC, presat pe un alt post si pozitionat pe un post de sudare automat. Sudarea terminata, sertarul este gata pentru operatia de vopsire.

5. Sertarul 160 este stantat pe o masina CNC pornind de la o rola de tabla apoi indoit pe un alt CNC, presat pe un alt post si pozitionat pe un post de sudare automat. Sudarea terminata, sertarul este gata pentru operatia de vopsire.





6. Tija de ridicare este taiata cu laser, folosind o masina de debitat cu LASER, presata pe un alt post, transferata pe o masina de indoit CNC si apoi transportata pentru acoperirea de suprafata.

Dupa acoperire, toate elementele sunt pregatite pentru asamblare a CART, care se realizeaza pe linia de asamblare.

Asamblarea include urmatoarele operatii:

- Serigrafierea sertarelor
- Asamblarea sertarelor (tija de ridicare si ghidajele sunt nituite pe sertar si se introduce o captuseala sintetica)
- Serigrafierea carcasei
- Montarea captuselii sintetice in sertare si deasupra dulapului
- Ansamblarea incuietorii si mecanismului de inchidere
- Nituirea ghidajelor in carcasa
- Introducerea sertarelor
- Examinare de control si introducerea rotilor si manerului in sertar.
- Ambalarea in folie de protectie din polistiren utilizand un post de ambalare automatizat.



7. Impachetarea finala a produselor

Linie de carucioare - Eurovision 1047
Linia de carucioare Europlus 1048
Linie de carucioare Euromotion 1048
Linie de carucioare Hercules 1048
Linie de carucioare Eurostyle 1050
Linie de carucioare ECO 1050
Bancuri de lucru mobile 1051
Bancuri de lucru fixe 1053
Statii de lucru 1054
Bancuri de lucru modulare 1055
Sisteme LMS 1068
Cutii de scule 1074
Dulapuri scule 1074
Vestiare 1076
Accesorii 1077
Cutii tabla pentru scule 1079
Genti ABS si impermeabile pentru scule 1080
Genti textile pentru scule 1084
Cutii plastic pentru scule 1086
Orgenizatoare scule 1091

Premium +

Tabla Premium Plus
Proprietati mecanice remarcabile.
Carucioarele pentru scule si bancurile de lucru fabricate de Unior sunt concepute pentru a se asigura ca sculele sa fie usor accesibile si pot fi depozitate eficient si in siguranta. Carucioarele pentru scule si bancurile de lucru sunt fabricate din otel laminat la rece de inalta calitate. Placile de otel laminate la rece se caracterizeaza prin suprafete netede si toleranta de rezistenta imbunatatita. Placile de otel de inalta calitate si tehnicile de constructie, cum ar fi armarea optima a pieselor supuse la cele mai mari sarcini, asigura o stabilitate mai mare.

QualiCoat

Compatibile cu oamenii si mediul inconjurator
Produsele Unior sunt protejate impotriva coroziunii. Vopsele epoxidice ecologice de inalta calitate au fost aplicate folosind acoperire cu pulbere. Aceste vopsele sunt compatibile cu mediul inconjurator, nu contin metale grele si pot fi utilizate in siguranta de catre oameni, dupa cum confirma acreditarea lor de catre Institutul International pentru Sanatate Publica. Vopseaua se aplica la o grosime de 90 microni, asigurand astfel caracteristici mecanice excelente si rezistenta extraordinara la efectele intemperiilor.



Grosimea tablei metalice a tuturor părților de susținere ale bancurilor de lucru modulare este de 1 mm, ceea ce le conferă stabilitate, durabilitate și diversitate de utilizare.

Unior ofera o gamă largă de accesorii pentru un loc de muncă bine organizat.

Canalul de parapet permite electrificarea locului de muncă. Canalul standard pentru parapet conține 2 prize, în timp ce opțiunea mai lungă de 1500 mm conține un total de 4 prize. Canalul pentru parapet nu are cablaj preinstalat.

Sertarul spațios, cu o înălțime de 260 mm, este potrivit pentru depozitarea obiectelor mai mari și poate fi folosit și pentru depozitarea spray-urilor.

Uneltele depozitate în sertarele bancului de lucru sunt fixate în siguranță cu o încuietoare și o cheie pliabilă.

Lampa LED cu consum redus de energie și luminozitate ridicată este disponibilă în diferite lungimi. Cu adaptoarele atașate este posibilă conectarea lămpilor între ele. Suportul lămpii poate fi reglat în înălțime și adâncime.

Raftul are o capacitate de încărcare de 60 kg și este prevăzut cu o înclinare reglabilă în două poziții, ceea ce asigură o depozitare mai ordonată și mai convenabilă a materialelor.

Prin intermediul piciorului reglabil pe înălțime, bancul de lucru poate fi adaptat de la o înălțime minimă de 730 mm până la o înălțime maximă de 1140 mm. Înălțimea este reglabilă în trepte de 30 mm.

Perforația EUROloch permite utilizarea majorității accesoriilor standard. O bancă de lucru modernizată cu plăci perforate acoperă o varietate de configurații și poate fi adaptată preferințelor fiecărui utilizator.

Placa de conectare oferă stabilitate maximă, chiar și la mutarea bancului de lucru

Șinele ranforsate sporesc stabilitatea sertarelor cu o capacitate portantă de 50 kg.

Blatul de lucru multistrat, cu grosimea de 40 mm, oferă o rezistență ridicată la impact și stabilitate pe toate lungimile. Stratul protector previne absorbția uleiurilor și a murdăriei.

Peste 300 de inserții SOS cu unelte și accesorii pentru depozitarea materialelor mici sunt disponibile atât pentru sertarele înguste, cât și pentru cele late. Inserțiile sunt combinabile sau pot fi realizate la comandă, la cerere.




UNIOR

940EV1

Carucior de scule Eurovision 4 sertare

- *material: tabla premium PLUS*
- *piulitele oarbe pentru accesoriile „xing" montate pe carucior*
- *usa rabatabila cu sistem de blocare*
- *capacitatea de incarcare statica a caruciorului fara roti: 1600kg*
- *capacitatea maxima a fiecarui sertar: 45 kg*
- *4 sertare (3x L 563 x L 365 x H 70 mm, 1x L 563 x L 410 x H 150 mm)*
- *dimensiuni de baza cu maner si roti L 800 x l 440 x H 923 mm*
- *volum total sertare: 76 litri*
- *sertare compatibile cu tavi pentru scule SOS 1/3, 2/3, 3/3*
- *gama largă de accesorii*

Avantaje:

- *acoperit cu vopsea ecologica in conformitate cu standardul de calitate Qualicoat*
- *deschiderea si inchiderea sertarelor este foarte simpla datorita solutiei uniforme - manerul sertarului din partea superioara permite utilizatorilor o prindere sincrona si deschiderea unui sertar pentru carucior.*
- *mecanismul de inchidere a sertarelor previne deschiderea nedorita a sertarelor.*
- *sertare cu captuseala interioara sintetica anti-alunecare*
- *sistem de inchidere centralizata cu incuietoare si cheie pliabila*
- *incuietoare cu cheie inclusa si breloc din spuma*
- *roti rezistente la ulei si acizi cu diametrul de 125 mm, una cu frana, care blocheaza rotirea caruciorului si rotirea rosii*
- *capacitate dinamica de incarcare a carucioarelor: 500 kg*
- *sertare cu extensie completa cu glisiere cu rulmenti cu bile de calitate superioara*



UNIOR

	L	B	H	L1	H1			
619884	800	440	923	700	768	44800	1K	4144.26

940EV3

Carucior de scule Eurovision 6 sertare

- *material: tabla premium PLUS*
- *piulitele oarbe pentru accesoriile „xing" montate pe carucior.*
- *capacitatea de incarcare statica a căruciorului fara roti: 1600 kg*
- *capacitatea maxima a fiecarui sertar: 45 kg*
- *6 sertare (3x L 563 x L 365 x H 70 mm, 3x L 563 x L 383 x H 150 mm)*
- *dimensiuni de baza cu maner si roti L 800 x l 440 x H 923 mm*
- *volum total sertare: 146 litri*
- *sertare compatibile cu tavi pentru scule SOS 1/3, 2/3, 3/3*
- *gama largă de accesorii*

Avantaje:

- *acoperit cu vopsea ecologica in conformitate cu standardul de calitate Qualicoat*
- *deschiderea si inchiderea sertarelor este foarte simpla datorita solutiei uniforme - manerul sertarului din partea superioara permite utilizatorilor o prindere sincrona si deschiderea unui sertar pentru carucior.*
- *mecanismul de inchidere a sertarelor previne deschiderea nedorita a sertarelor*
- *sertare cu captuseala interioara sintetica anti-alunecare*
- *sistem de inchidere centralizata cu incuietoare si cheie pliabila*
- *incuietoare cu cheie inclusa si breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenti cu bile de calitate superioara*
- *roti rezistente la ulei si acizi cu diametrul de 125 mm, una cu frana, care blocheaza rotirea si rotirea rotii*
- *capacitate dinamica de incarcare a carucioarelor: 500 kg*



UNIOR

	L	B	H	L1	H1			
621436	800	440	923	700	768	44800	1K	4736.39

940EV4

Carucior de scule Eurovision 7 sertare

- *material: tabla premium PLUS*
- *piulitele oarbe pentru accesoriile „xing" montate pe carucior.*
- *capacitatea de incarcare statica a căruciorului fara roti: 1600 kg*
- *capacitatea maxima a fiecarui sertar: 45 kg*
- *7 sertare (5 x L 563 x L 365 x H 70 mm, 2 x L 563 x L 383 x H 150 mm)*
- *dimensiuni de baza cu maner si roti L 800 x l 440 x H 923 mm*
- *volum total sertare: 140 litri*
- *sertare compatibile cu tavi pentru scule SOS 1/3, 2/3, 3/3*
- *gama largă de accesorii*

Avantaje:

- *acoperit cu vopsea ecologica in conformitate cu standardul de calitate Qualicoat*
- *deschiderea si inchiderea sertarelor este foarte simpla datorita solutiei uniforme - manerul sertarului din partea superioara permite utilizatorilor o prindere sincrona si deschiderea unui sertar pentru carucior.*
- *mecanismul de inchidere a sertarelor previne deschiderea nedorita a sertarelor*
- *sertare cu captuseala interioara sintetica anti-alunecare*
- *sistem de inchidere centralizata cu incuietoare si cheie pliabila*
- *incuietoare cu cheie inclusa si breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenti cu bile de calitate superioara*
- *roti rezistente la ulei si acizi cu diametrul de 125 mm, una cu frana, care blocheaza rotirea si rotirea rotii*
- *capacitate dinamica de incarcare a carucioarelor: 500 kg*



UNIOR

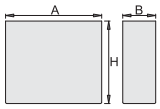
	L	B	H	L1	H1			
619885	800	440	923	700	768	57000	1K	4982.79

940EVS1

Cos metalic pentru 940EV

- *material: tabla premium*
- *posibilitate de atasare la seria de carucioare EuroVision*





UNIOR

	A	B	H				
620416	350	120	300	2849	1K	1	235.90

940EVS4

Suport rola hartie pentru 940EV

- *material: metal*
- *se livreaza fara rola de hartie*



UNIOR

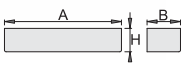
620418	540	1V	1	72.30

940EVS7

Suport pentru sticle pentru 940V

- *material: tabla premium*





UNIOR

	A	B	H				
620419	350	100	85	279	1K	1	110.16



940PLUS3 NOU

Carucior pentru scule cu 7 sertare 524x931x801 mm EUROPLUS

• creat pentru organizarea perfecta a sculelor si mobilitatea fara efort, „Tool Carriage Europlus" revolutionează eficienta spatiului de lucru.
• dispunand de sistemul inovator Europlus, acest carucior de scule asigură manevrabilitate lina si acces usor la uneltele dvs
• cu constructia sa robusta si designul versatil, ofera o capacitate mare de depozitare si aranjamente personalizabile pentru a se adapta nevoilor dumneavoastra
• sertarele cu extensie completacu mecanism de inchidere lina
• colturile caruciorului sunt intarite de cauciuc ANTISHOCK protectori, protejand transportul si mediul împotriva daunelor
• capacitate dinamica de incarcare a carucioarelor: 500 kg
• capacitatea maxima a fiecarui sertar: 45kg
• volum total sertare: 137 litri
• 7 sertare (5x L 563 x L 365 x H 70mm, 2x L 563 x L 365 x H 150mm)
• sertare cu extensie completa cu mecanism de inchidere lina
- risc redus de deteriorare a continutului sertarului.
- zgomot redus in timpul functionarii.
- experienta imbunatatita a utilizatorului (inchidere mai usoara).
- uzura redusa a componentelor.
- potential de functionare mai sigura (risc redus de trantire)
• sistem de inchidere centralizata cu incuietoare si cheie plianta
• capac ABS:
– solutia suprema pentru organizarea si depozitarea pieselor mici, suruburilor si piulitelor.
- marginea pentru a preveni rularea obiectelor
- placa ABS inovatoare dispune de mai multe compartimente mici, ceea ce faciliteaza psstrarea tuturor lucrurilor esentiale minuscule ordonate si la indemana
• maner rezistent si ergonomic - acest lucru usureaza manevrarea si transportul sculelor in mod eficient in ateliere
• maner rezistent si ergonomic - acest lucru usureaza manevrarea si transportul sculelor in mod eficient in ateliere
• rezistent la ulei si acizi - rotile cu diametrul de 125mm, una cu frana, care blocheaza rotirea si rotirea rotii.











Dimensiuni		
629590	524 x 931 x 801	6463.60

940EM1 NOU

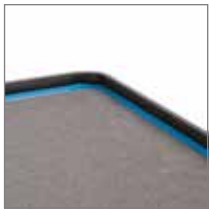
Carucior pentru scule cu 7 sertare 440x923x780 mm EUROMOTION

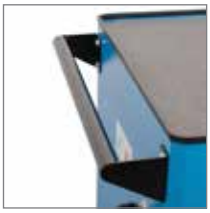
• solutia supremă pentru gestionarea fara efort a sculelor in spatiul dvs. de lucru.
• cu designul sau ergonomic si mobilitatea lina, acest carucior de scule imbunatateste eficienta si organizarea
• transportati cu usurinta uneltele oriunde sunt necesare, datorita sistemului sau Euromotion.
• sertare cu extensie completa cu mecanism de inchidere lina.
• proiectat pentru durabilitate si comoditate, ofera spatiu de stocare amplu si configuratii personalizabile pentru a se potrivi nevoilor dvs
• eficientizati-va fluxul de lucru si cresteti productivitatea cu caruciorul pentru scule Euromotion
• capacitate dinamica de incarcare a carucioarelor: 500 kg
• capacitatea maxima a fiecarui sertar: 45kg
• volum total sertare: 140 litri
• 7 sertare (5x L 563 x L 365 x H 70mm, 2x L 563 x L 365 x H 150mm)
• sertare cu extensie completa cu mecanism de inchidere lina
- risc redus de deteriorare a continutului sertarului.
- zgomot redus in timpul functionarii.
- experienta imbunatatita a utilizatorului (inchidere mai usoara).
- uzura redusa a componentelor.
- potential de functionare mai sigura (risc redus de trantire)
• sistem de inchidere centralizata cu incuietoare si cheie plianta
• marginea pentru a preveni rularea obiectelor
• maner rezistent si ergonomic - acest lucru usureaza manevrarea si transportul sculelor in mod eficient in ateliere
• rezistent la ulei si acizi - rotile cu diametrul de 125mm, una cu frana, care blocheaza rotirea si rotirea rotii.













Dimensiuni		
629589	440 x 923 x 780	4238.35

940H4 NOU

Carucior pentru scule cu 7 sertare 640x955x1182 mm HERCULES

• proiectat avand in vedere robustete, acest carucior de scule este construit pentru a rezista celor mai dure medii de lucru
• sistemul Hercules asigura o mobilitate fara efort, permitandu-va sa va transportati uneltele cu usurinta
• cu spatiu de stocare amplu si configuratii personalizabile, acesta raspunde nevoilor dumneavoastra organizationale unice.
• sertare cu extensie completa cu mecanism de inchidere lina.
• capacitate dinamica de incarcare a carucioarelor: 550 kg
• 7 sertare (5x L 563 x L 365 x H 70mm, 2x L 563 x L 365 x H 150mm)
• capacitate sertare frontale: 45 kg
• volum total sertare: 133 litri
• sertare cu extensie completa cu mecanism de inchidere lina
- risc redus de deteriorare a continutului sertarului
- zgomot redus în timpul functionarii.
- experienta imbunatatita a utilizatorului (inchidere mai usoara).
- uzura redusa a componentelor.
- potential pentru o functionare mai sigură (risc redus de trantire)
• blat din lemn
• incuietoare cu cheie inclusa si breloc din spuma
• rotile rezistente la ulei si acid cu diametrul de 125 mm, doua cu frana, care blocheaza rotirea si rotirea rotii











Dimensiuni		
629591	640 x 955 x 1182	6722.35

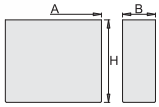
MADE FOR WORK.

940ES2

Cos metalic pentru 940E si 940EV

- *material: tabla premium*
- *posibilitate de atasare la seria de carucioare EuroVision si Eurostyle*





UNIOR

	A	B	H				
608924	350	120	300	3100	1K	1	200.98

940ES3

Set de despartitoare - 4 piese pentru 940E si 940EV

- *material: metal*
- *posibilitate de atasare la seria de carucioare EuroVision si Eurostyle*



UNIOR

	L	B	H				
608925	377	2.2	65		1V	1	65.08

940ES3A

Set de despartitoare pentru sertarul mic de la 940E si 940EV

- *material: metal*
- *posibilitate de atasare la seria de carucioare EuroVision si Eurostyle*



UNIOR

	A	B	H				
622597	557	375	65	1542	1E	1	137.05

964ASOS

Suport gol SOS pentru 920PLUS, 940E si 940EV

- *material: spuma polietilena de joasa densitate*
- *posibilitate de atasare la seria de carucioare EuroVision si Eurostyle*



UNIOR

	B	L	H				
621896	188	364	30	41	1V	1	43.11

964BSOS

Suport gol SOS pentru 920PLUS, 940E si 940EV

- *material: spuma polietilena de joasa densitate*
- *posibilitate de atasare la seria de carucioare EuroVision si Eurostyle*



UNIOR

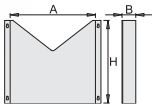
	B	L	H				
621897	564	364	30	113	1V	1	137.38

940ES5

Suport de documente pentru 940E si 940EV

- *material: metal*





UNIOR

	A	B	H				
608969	330	60	300	1018	1K	1	110.33

940ES10

Suport agatare surubelnite pentru 940E si 940EV

- *material: metal*



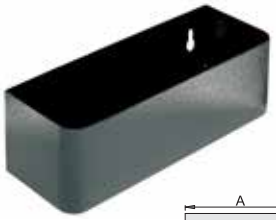
UNIOR

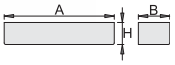
	A	B	H				
622598	350	40	67	349	1E	1	66.72

940ES7

Suport de sticle pentru 940E si 940EV

- *material: metal*
- *posibilitate de atasare la seria de carucioare EuroVision si Eurostyle*





UNIOR

	A	B	H				
608971	350	105	80	894	1K	1	93.77

- Inchideti toate sertarele inainte de a incerca sa impingeti caruciorul pentru scule intr-o noua zona de lucru.
- Puneti franele pe rotile de blocare dupa ce ati mutat caruciorul in zona de lucru
- Trateaza-ti caruciorul pentru unelte, dulapurile de scule sau cutiile de scule cu respect.
- Respectat intotdeauna capacitatea maxima de incărcare prescrisa a sertarelor individuale si a cărucioruluiin ansamblu.
- Pune intotdeauna obiecte mai grele in sertarele de jos
- Inchideti intotdeauna sertarele cand nu sunt utilizate.
- Urmati intotdeauna instructiunile din manualul producatorului cu privire la asamblarea si repararea uneltelor dumneavoastra.

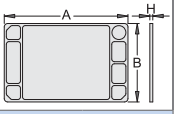
- Nu deschideti doua sau mai multe sertare in acelasi timp, exista sanse mari sa se rastoarne.
- Nu aruncati uneltele in sertar, asezati intotdeauna uneltele.
- Nu folositi un sertar deschis ca suprafata de lucru.
- Nu curatati o suprafata lăcuita cu un solvent de curatare.
- Nu trageti un carucior de scule, deoarece nu veti putea vedea incotro va indreptati. Impingeti-l in fata dvs., astfel incat sa puteti vedea unde mergeti.
- Nu stivuiti pe un carucior de scule cu prea multe dulapuri suplimentare sau tavi pentru scule; se poate rasturna in cel mai neasteptat moment.
- Nu impingeti un carucior de scule cu unelte sau piese asezate deasupra caruciorului.
- Nu impingeti un carucior de scule prea repede; o gaura in podea sau unele piese de feronerie pe podea pot provoca un accident.
- Nu supraincarcati sertarele; daca nu aveti loc pentru toate uneltele dvs., aveti nevoie de un carucior de scule mai mare.
- Nu deschideti prea multe sertare incarcate simultan; inchideti fiecare sertar inainte de a deschide altul. Sertarele deschise foarte incarcate sunt o invitatie la rasturnare.

940ES8

Blat din ABS pentru 940E si 940EV

- *material: ABS*
- *posibilitate de atasare la seria de carucioare EuroVision si Eurostyle*





UNIOR

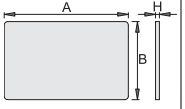
	A	B	H				
608972	705	440	22	1260	1K	1	167.87

940ES9

Blat din lemn pentru 940E si 940EV

- *material: lemn*
- *posibilitate de atasare la seria de carucioare EuroVision si Eurostyle*





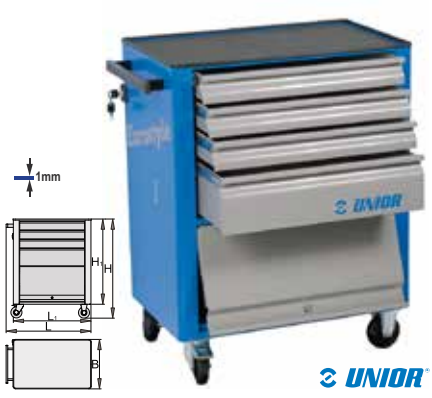
UNIOR

	A	B	H				
608973	690	430	16	7000	1K	1	584.43

940E1

Carucior de scule "EUROSTYLE" cu 4 sertare

- *material: tabla premium PLUS*
- *sistem de inchidere centralizata cu incuietoare si cheie pliabila*
- *incuietoare cu cheie inclusa si breloc din spuma*
- *rotile rezistente la ulei si acizi cu diametrul de 100 mm, una cu frana, care blocheaza rotirea caruciorului si rotirea rotii*
- *sertare cu extensie completa cu glisiere cu rulmenti de calitate superioara*
- *invelisul sintetic protejeaza sertarele si uneltele de deteriorare*
- *acoperit cu vopsea ecologica Qualicoat*
- *4 sertare (3 x L 560 x L 365 x H 70 mm, 1 x L 560 x L 400 x H 150 mm)*
- *usa rabatabila cu sistem de blocare*
- *dimensiuni de baza cu maner si roti L 760 x l 440 x H 895 mm*
- *volum total sertare: 76 litri*
- *capacitatea de incarcare statica a căruciorului fara roti: 1600kg*
- *capacitatea maximă a fiecărui sertar: 45 kg*
- *capacitate dinamica de încărcare a caruciorelor: 300 kg*
- *sertare compatibile cu tavi pentru scule SOS 1/3, 2/3, 3/3*
- *gama larga de accesorii*



	L	B	H	L1	H1			
608542	770	440	895	440	895	42000	1K	**3946.89**

940E3

Carucior de scule "EUROSTYLE" cu 6 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *incuietoare cu cheie inclusă și breloc din spumă*
- *rotile rezistente la ulei si acizi cu diametrul de 100 mm, una cu frana, care blocheaza rotirea si rotirea rotii*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *invelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică Qualicoat*
- *6 sertare (3 x L 560 x L 365 x H 70 mm, 3 x L 560 x L 400 x H 150 mm)*
- *capacitatea de încărcare statică a căruciorului fără roți: 1600kg*
- *capacitate dinamică de încărcare a caruciorelor: 300 kg*
- *capacitatea maximă a fiecărui sertar: 45 kg*
- *volum total sertare: 144 litri*
- *sertare compatibile cu tăvi pentru scule SOS 1/3, 2/3, 3/3*
- *gamă largă de accesorii*

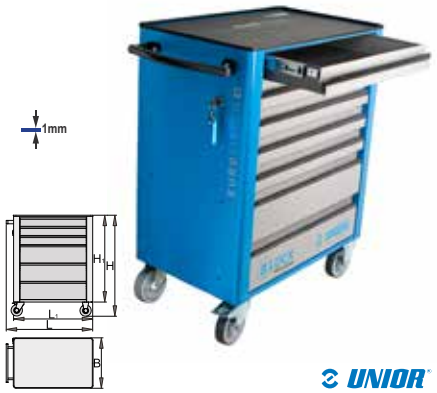


	L	B	H	L1	H1			
608544	770	440	895	440	895	48000	1K	**4554.26**

940EV4BLOCK

Carucior pentru scule Eurovision cu sistem de siguranta BLOCK, 7 sertare

- *material: tabla premium PLUS*
- *sistem de inchidere centralizata cu incuietoare si cheie pliabila*
- *incuietoare cu cheie inclusa, impreuna cu breloc din spuma*
- *nou sistem de siguranta pentru sertare – previne deschiderea simultana a mai multor sertare. Cand un sertar este deschis, celelalte sunt blocate si nu pot fi deschise*
- *roti rezistente la ulei si acid, cu diametru de 125 mm, una prevazuta cu frana care blocheaza atat rotirea cat si pivotarea rotii*
- *deschiderea si inchiderea sertarelor se face foarte usor datorita unei solutii uniforme – manerul sertarului aflat in partea superioara permite o prindere si deschidere sincronizata a sertarului*
- *sertare cu deschidere completa, cu glisiere cu rulmenti de inalta calitate*
- *sertare cu captuseala interioara sintetica antialunecare*
- *mecanismul de inchidere al sertarelor previne deschiderea nedorita a acestora*
- *gama larga de accesorii*
- *vopsit cu vopsea ecologica conform standardului de calitate Qualicoat*
- *piulite oarbe pentru montarea accesoriilor sunt instalate pe carucior*
- *capacitate de incarcare statica a caruciorului fara roti: 1600 kg*
- *capacitate de incarcare dinamica a caruciorului: 500 kg*
- *capacitate maxima a fiecarui sertar: 45 kg*
- *7 sertare (5x L 563 x l 365 x H 70 mm, 2x L 563 x l 383 x H 150 mm)*
- *dimensiuni de baza cu maner si roti: L 800 x l 440 x H 923 mm*
- *volum total al sertarelor: 140 litri*
- *sertarele sunt compatibile cu tavi pentru scule SOS 1/3, 2/3, 3/3*



	L	B	H	L1	H1			
625000	800	440	923	700	768	57000	1K	**5580.66**

940E4

Carucior de scule "EUROSTYLE" cu 7 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *rotile rezistente la ulei si acizi cu diametrul de 100 mm, una cu frana, care blocheaza rotirea caruciorului si rotirea rotii*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică Qualicoat*
- *7 sertare (5 x L 560 x L 365 x H 70 mm, 2 x L 560 x L 400 x H 150 mm)*
- *dimensiuni de bază cu mâner și roți L 760 x l 440 x H 895 mm*
- *volum total sertare: 140 litri*
- *capacitatea de încărcare statică a căruciorului fără roți: 1600 kg*
- *capacitate dinamică de încărcare a carucioarelor: 300 kg*
- *capacitatea maximă a fiecărui sertar: 45 kg*
- *sertare compatibile cu tăvi pentru scule SOS 1/3, 2/3, 3/3*
- *gamă largă de accesorii*



	L	B	H	L1	H1			
608545	770	440	895	440	895	52000	1K	**4745.41**

940ECO

Carucior de scule Economic 6 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *rotile rezistente la ulei si acizi cu diametrul de 100 mm, una cu frana, care blocheaza rotirea si rotirea rotii*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *gamă largă de accesorii*
- *acoperit cu vopsea ecologică Qualicoat*
- *6 sertare (4 x L 498 x L 273 x H 70 mm, 2 x L 498 x L 311 x H 150 mm)*
- *capacitatea maximă a fiecărui sertar: 30 kg*
- *singurul carucior din programul de producție al Unior care este destinat exclusiv utilizării de către consumatorul privat.*



	A	B	H	L1	H1			
617227	700	355	890	625	764	33000	1K	**3263.77**

940ECOS1

3 buc despartitoare pentru 940ECO

- *material: metal*
- *posibilitate de atasare la seria de carucioare Eco*

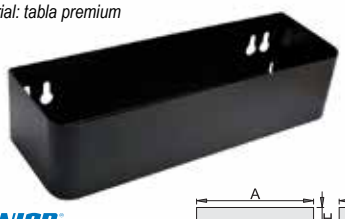


617269	540	1V	1	**64.10**

940ECOES7

Suport de sticla 940ECO

- *material: tabla premium*



	L	B	H				
618460	326	106	79	706	1K	1	**133.93**

940E4/1L

Carucior de scule "EUROSTYLE" 7 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *rotile rezistente la ulei si acizi cu diametrul de 100 mm, una cu frana, care blocheaza rotirea caruciorului si rotirea rotii*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *gamă largă de accesorii*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *7 sertare (5 x L 560 x L 365 x H 70 mm, 2 x L 560 x L 400 x H 150 mm)*
- *dimensiuni de bază cu mâner și roți L 760 x l 440 x H 895 mm*
- *volum total sertare: 140 litri*
- *capacitatea de încărcare statică a căruciorului fără roți: 1600 kg*
- *capacitate dinamică de încărcare a carucioarelor: 300 kg*
- *capacitatea maximă a fiecărui sertar: 45 kg*
- *partea stângă și dreaptă sunt perforate*
- *include 10 carlige dimensiune 50mm*
- *placă ABS pe partea superioară a căruciorului*
- *sertare compatibile cu tăvi pentru scule SOS 1/3, 2/3, 3/3*



	L	B	H	L1	H1			
612138	770	448	895	700	768	53000	1K	**4887.87**

940H2BLACK

Carucior de scule "HERCULES 2" cu 7 sertare frontale

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *incuietoare cu cheie inclusă și breloc din spumă*
- *nou sistem de siguranță bloc, împiedică deschiderea mai mult de un sertar simultan. Când un sertar este deschis, toate celelalte sertare sunt blocate și nu pot fi deschise.*
- *roți rezistente la ulei și acizi cu diametrul de 125 mm, două cu frână, care blochează rotirea caruciorului*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *deschiderea și închiderea sertarelor este foarte simplă datorită soluției uniforme - mânerul sertarului din partea superioară permite utilizatorilor o prindere și deschidere sincronizată a unui sertar pentru cărucior.*
- *sertare cu căptușeală interioară sintetică anti-alunecare*
- *7 sertare frontale (5x L 563 x L 365 x H 70 mm, 2x L 563 x L 383 x H 150 mm)*
- *dimensiuni de bază cu mâner și roți L 1182 x l 640 x H 955 mm*
- *volum total sertare: 133 litri*
- *usa cu incuietoare si blat din lemn*
- *capacitate de încărcare statică a cărucioarelor fără roți: 2300 kg*
- *capacitate dinamică de încărcare a carucioarelor: 550 kg*
- *capacitatea sertarelor frontale: 45 kg*
- *sertare compatibile cu tăvi pentru scule SOS 1/3, 2/3, 3/3*

Avantaje:

- *peretele perforat pe partea din spate a căruciorului permite agățarea sculelor cu cârlige pentru scule*
- *ca accesoriu disponibil și un suport de pulverizare pentru depozitarea ușoară a spray-urilor de până la diametrul 68 mm și o ușă din spate cu încuietoare*



	L	L1	L2	B	B1	H	H1				
628212	1182	1040	1080	640	550	955	800	96200	1K	1	**9594.76**

940E4/1L-BLACK NOU

Carucior de scule "EUROSTYLE" 7 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *rotile rezistente la ulei si acizi cu diametrul de 100 mm, una cu frana, care blocheaza rotirea caruciorului si rotirea rotii*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *gamă largă de accesorii*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *7 sertare (5 x L 560 x L 365 x H 70 mm, 2 x L 560 x L 400 x H 150 mm)*
- *dimensiuni de bază cu mâner și roți L 760 x l 440 x H 895 mm*
- *volum total sertare: 140 litri*
- *capacitatea de încărcare statică a căruciorului fără roți: 1600 kg*
- *capacitate dinamică de încărcare a carucioarelor: 300 kg*
- *capacitatea maximă a fiecărui sertar: 45 kg*
- *partea stângă și dreaptă sunt perforate*
- *include 10 carlige dimensiune 50 mm*
- *placă ABS pe partea superioară a căruciorului*
- *sertare compatibile cu tăvi pentru scule SOS 1/3, 2/3, 3/3*



	A	B	H	L1	H1			
628213	770	448	895	700	768	53000	1K	**5983.88**

940EV6

Carucior de scule Eurovision 8 sertare

- *material: tabla premium PLUS*
- *posibilitatea de a adauga accesorii*
- *piulițele oarbe pentru accesoriile „xing" montate pe carucior.*
- *capacitatea de incarcare statica a căruciorului fara roti: 1600 kg*
- *capacitate dinamica de incarcare a carucioarelor: 500 kg*
- *capacitatea maxima a fiecarui sertar: 45 kg*
- *8 sertare (7x L 563 x L 365 x H 70 mm, 1x L 563 x L 383 x H 150 mm)*
- *dimensiuni de baza cu maner si roti L 800 x l 440 x H 923 mm*
- *volum total sertare: 135 litri*
- *sertare compatibile cu tavi pentru scule SOS 1/3, 2/3, 3/3*

Avantaj:

- *acoperit cu vopsea ecologica in conformitate cu standardul de calitate Qualicoat*
- *deschiderea si inchiderea sertarelor este foarte simpla datorita solutiei uniforme - manerul sertarului din partea superioara permite utilizatorilor o prindere sincrona si deschiderea unui sertar pentru carucior.*
- *mecanismul de inchidere a sertarelor previne deschiderea nedorita a sertarelor*
- *sertare cu captuseala interioara sintetica anti-alunecare*
- *sistem de inchidere centralizata cu incuietoare si cheie pliabila*
- *incuietoare cu cheie inclusa si breloc din spuma*
- *sertare cu extensie completa cu glisiere cu rulmenti cu bile de calitate superioara*
- *roti rezistente la ulei si acizi cu diametrul de 125 mm, una cu frana, care blocheaza rotirea caruciorului si rotirea rotii*



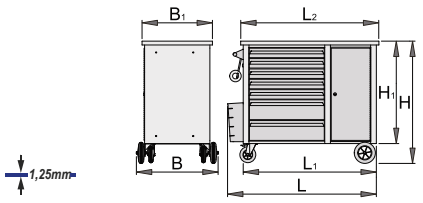
	L	B	H	L1	H1				
619886	800	440	923	700	768	60000	1K	1	**5495.57**

940H2

Carucior de scule "HERCULES 2" cu 7 sertare frontale

• material: tablă premium PLUS
• sistem de închidere centralizată cu încuietoare și cheie pliabilă
• incuietoare cu cheie inclusă și breloc din spumă
• roți rezistente la ulei și acizi cu diametrul de 125 mm, două cu frână, care blochează rotirea caruciorului și a roții
• sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară
• deschiderea și închiderea sertarelor este foarte simplă datorită soluției uniforme - mânerul sertarului din partea superioară permite utilizatorilor o prindere și deschidere sincronizată a unui sertar pentru căruciorului.
• sertare cu căptușeală interioară sintetică anti-alunecare
• acoperit cu culoarea ecologică a standardului de calitate Qualicoat
• 7 sertare frontale (5x L 563 x L 365 x H 70 mm, 2x L 563 x L 383 x H 150 mm)
• dimensiuni de bază cu mâner și roți L 1182 x l 640 x H 955 mm
• volum total sertare: 133 litri
• usa cu incuietoare
• blat din lemn
• capacitate de încărcare statică a cărucioarelor fără roți: 2300 kg
• capacitate dinamică de încărcare a carucioarelor: 550 kg
• capacitatea sertarelor frontale: 45 kg
• sertare compatibile cu tăvi pentru scule SOS 1/3, 2/3, 3/3
Avantaje:
• peretele perforat pe partea din spate a căruciorului de scule permite agățarea sculelor cu cârlige pentru scule
• ca accesoriu disponibil și un suport de pulverizare pentru depozitarea ușoară a spray-urilor de până la diametrul 68 mm și o ușă din spate cu încuietoare





UNIOR QualiCoat Premium

	L	L1	L2	B	B1	H	H1	
615511	1182	1040	1080	640	550	955	800	7837.54

940HS5

Suport spray pentru 940H

• confectionat din tabla
• vopsite cu vopsele ecologice fara cadmiu si plumb





UNIOR

	L	B	H				
626881	511	76	50	700	1V	1	190.49

946G

Masa de lucru

• picioare rabatabile
• capacitatea de incarcare statica : 250 kg
• vopsite cu vopsele ecologice fara cadmiu si plumb
• placaj stratificat
• protejate prin lacuire ecologica



UNIOR

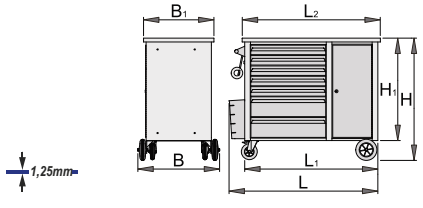
	A	B	H				
621573	1000	600	850	21800	1K	1	1306.72

940H2BLOCK

Carucior pentru scule Eurovision cu sistem de siguranta BLOCK

• material: tabla premium PLUS
• sistem de inchidere centralizata cu incuietoare si cheie pliabila
• incuietoare cu cheie inclusa, impreuna cu breloc din spuma
• noul sistem de siguranta BLOCK – previne deschiderea simultana a mai multor sertare. Cand un sertar este deschis, celelalte sunt blocate si nu pot fi deschise
• roti rezistente la ulei si acid, cu diametru de 125 mm, doua dintre ele prevazute cu frana care blocheaza atat rotirea cat si pivotarea
• sertare cu deschidere completa, pe glisiere cu rulmenti de inalta calitate
• deschiderea si inchiderea sertarelor este foarte simpla datorita unei solutii uniforme – manerul aflat pe partea superioara permite o prindere si deschidere sincronizata a sertarului
• sertare cu captuseala interioara sintetica antialunecare
• 7 sertare frontale (5x L 563 x l 365 x H 70 mm, 2x L 563 x l 383 x H 150 mm)
• dimensiuni de baza cu maner si roti: L 1182 x l 640 x H 955 mm
• volum total al sertarelor: 133 litri
• usa cu incuietoare
• blat de lucru din lemn
• capacitate statica de incarcare a caruciorului fara roti: 2300 kg
• capacitate dinamica de incarcare a caruciorului: 550 kg
• capacitate de incarcare a fiecarui sertar frontal: 45 kg
• sertarele sunt compatibile cu tavi pentru scule SOS 1/3, 2/3, 3/3





UNIOR QualiCoat Premium

	L	L1	L2	B	B1	H	H1	
626800	1182	1040	1080	640	550	955	800	8475.25

940.1T

Polita din tabla pentru 940T

• confectionat din tabla
• vopsite cu vopsele ecologice fara cadmiu si plumb



UNIOR

	L	B	H				
628207	995	595	40	8770	1V	1	515.25

940.2H

Usa din spate pentru 940H

• confectionat din tabla
• vopsite cu vopsele ecologice fara cadmiu si plumb



UNIOR

	L	B	H				
626882	600	22	725	4600	1K	1	430.66

940T

Carucior cu roti pentru atelier

• cărucior de serviciu ergonomic, ușor și ușor de mutat
• acest cărucior de serviciu de calitate industrială este ideal pentru utilizarea în garaje, ateliere de inginerie și depozite.
• permite utilizatorului să transporte cu ușurință uneltele și componentele în zona de lucru și să le țină cu ușurință la îndemână în timp ce lucrează la o sarcină.
• acest cărucior încurajează abordarea organizată, planificată în prealabil a sarcinilor și îmbunătățește eficiența, productivitatea și confortul.
• raftul superior rezistent la apă permite accesul facil la unelte și piese la o înălțime de lucru confortabilă, în timp ce raftul inferior oferă spațiu de depozitare suplimentar.
• rafturile sunt proiectate pentru o sarcină maximă de 100 kg fiecare și sunt protejate cu un covoraș anti-alunecare rezistent la impact.
• fabricat în Europa la cele mai înalte standarde și susținut de garanția pe viață Unior.

Include:
• 4 rotile - 2" x și 2 pivotante. O roată ușor de frânat.
• două rafturi rezistente la apă, partea superioară completă cu covoraș anti-alunecare care absoarbe impactul

Specificații:
• capacitate totală 200 kg. Maxim 100 kg pe raft.
• dimensiuni asamblate: 1072 x 600 x 887mm
• dimensiuni ambalaj: 1020 x 635 x 190mm



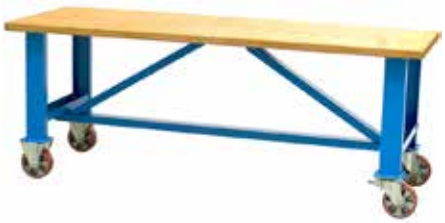
UNIOR

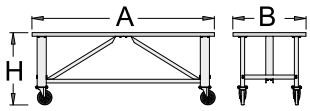
	L	B	H	L1	H1		
627351	1072	600	887	1000	760	29000	2518.36

946T

Banc de lucru mobil 2000 mm

- *material: tablă premium PLUS*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *placaj de fag*
- *protejat cu un strat ecologic*
- *capacitate de încărcare dinamică: 1000 kg*
- *roți diametrul de 200 mm*





UNIOR

	L	B	H				
621448	2000	750	795	90000	1K	1	**5578.69**

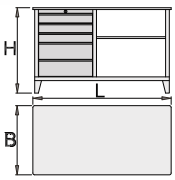
946A

Banc de lucru cu 5 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *incuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *invelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *blat din lemn*
- *5 sertare (3x L 560 x L 570 x H 70mm, 2x L 560 x L 605 x H150mm)*
- *capacitate de încărcare statică: 2300 kg*
- *capacitatea sertarului: 45 kg*







UNIOR

	A	B	H				
612328	1500	750	925	116000	1K	1	**9718.20**



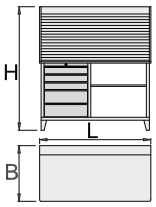
946AC

Banc de lucru cu 5 sertare si panou pentru scule

- *combinație banc de lucru (art. 946A) și dulap pentru banc de lucru (art. 946C) (art. 946 ACR dulap cu rulou)*
- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *blat din lemn*
- *5 sertare (3x L 560 x L 570 x H 70mm, 2x L 560 x L 605 x H150mm)*
- *capacitate de încărcare statică: 2300 kg*
- *capacitatea sertarului: 45 kg*
- *cu 30 de cârlige*







UNIOR

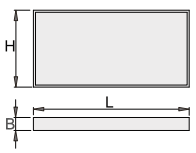
	A	B	H				
612220	1500	750	1665	136000	1K	1	**11865.90**

990CWR

Panou pentru banc de lucru pentru 946A

- *material: tablă premium PLUS*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *cu 30 de carlige*





UNIOR

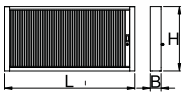
	L	B	H				
625669	1000	125	740	18600	1K	1	**1697.38**
612329	1500	125	740	28000	1K	1	**2147.70**

990CA

Panou si jaluzea entru 946A

- *material: tablă premium PLUS*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *lungime 1000 mm cu 20 carlige, lungime 1500 mm cu 30 carlige*
- *încuietoare cu cheie inclusă și breloc din spumă*





UNIOR

	A	B	H				
625668	1000	125	740	27000	1K	1	**5016.72**
612330	1500	125	740	30000	1K	1	**5719.67**

946ACR

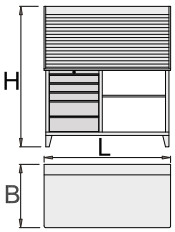
Banc de lucru cu panou si jaluzea

- *combinație de banc de lucru (art. 946A) și dulap cu rulou pentru banc de lucru (art. 946CR)*
- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *blat din lemn*
- *5 sertare (3x L 560 x L 570 x H 70mm, 2x L 560 x L 605 x H150mm)*
- *capacitate de încărcare statică: 2300 kg*
- *capacitatea sertarului: 45kg*
- *cu 30 de cârlige*
- *model CR cu rulou și cu sistem de blocare*









UNIOR

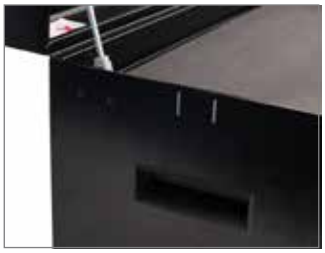
	A	B	H				
612331	1500	750	1665	146000	1K	1	**14734.92**

3800 NOU

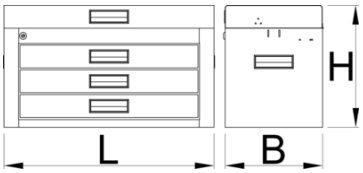
Cutie scule 336x400x694 mm

• pentru toti pasionatii de motociclete care depun eforturi pentru un mediu de lucru ordonat si le place sa-si repare motocicletele în confortul casei sale, cutia de scule portabila este alegerea potrivita. Indiferent daca sunteti pe teren, la pista de curse sau acasa, trusele de instrumente vor fi intotdeauna bine depozitate si organizate
• material: tabla premium PLUS
• sistem de inchidere centralizata pentru sertar si capac cu incuietoare
• acoperit cu culoare eco din standardul de calitate Qualicoat
• sertarele au glisiere cu rulment cu bile cu inchidere usoara
• sertarele 100% extensibile permit o imagine de ansamblu buna si acces usor la instrumente.
• 3 sertare (L 563 x l 270 x H 75 mm)
• spatiu de depozitare sub capac de 560 x 267 mm
• maner ergonomic pentru transportul cutiei de scule si deschiderea sertarului
• posibilitatea de a extinde functionalitatea cutiei de scule cu suporturi pentru chei in T si surubelnite









UNIOR Motorbike tools

	L	B	H			
629487	694	336	400	21400	1G	3345.00

992PIT1 NOU

Statie de lucru 500x825x1500 mm PIT BOX

• statie de lucru mobila inovatoare, special conceputa pentru pasionatii de moto
• dezvoltat in stransa colaborare cu un renumitul expert in motociclete, PITBOX este solutia perfecta pentru amatori si echipe profesionale din industria moto.
• Unior PITBOX ofera libertate de miscare si spatiu suficient pentru toate nevoile dumneavoastra
• proiectat avand in vedere funcționalitatea si caracterul practic, ofera spatiu de lucru amplu pentru depozitarea uneltelor si a articolelor mai mari
• PITBOX vă permite sa personalizati suprafata de lucru in functie de nevoile dvs.
• puteti alege intre blaturile din lemn, plastic, metal sau inox, asigurand flexibilitate si functionalitate completa.
• nu numai că va facilitează munca, dar imbunatateste și organizarea si eficienta in intretinerea autovehiculelor.
• pe spatele caruciorului sunt instalate un cablu electric si un furtun pentru racordarea aerului comprimat
• toate cele patru roti pivotante la 360° au un diametru de 125 mm, asigurand manevrabilitate si pozitionare perfecta a caruciorului; o roata este echipata cu frana si una cu blocare a directiei.
• in partea inferioara a caruciorului, sunt patru panouri care ascund vederea rotilor si confera caruciorului un aspect si mai estetic
• panourile pot fi ridicate inainte de mutare si sunt atașate magnetic inapoi la colturile caruciorului.
• caneluri practice sunt situate pe partea stanga si dreaptă a caruciorului pentru montarea surubelnitelor si a suporturilor pentru chei T.
• contine 7 sertare standard, oferind suficient spatiu pentru un mediu de lucru organizat si ordonat si pentru depozitarea sculelor











UNIOR Motorbike tools

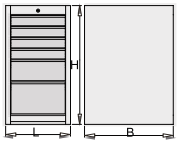
	L	B	H			
629515	694	336	400	21400	1G	18602.00

990ND6

Dulap ingust pentru scule cu 6 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *incuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *invelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *6 sertare (4 x L 374 x L 570 x H 70 mm, 1 x L 374 x L 605 x H 150 mm, 1 x L 374 x L 605 x H 230 mm)*
- *dimensiuni de bază L 475 x l 650 x H 870 mm*
- *volum total sertare: 145 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*





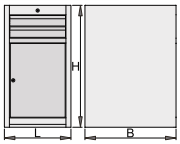
	A	B	H		
625622	475	650	870	60200	**4160.50**

990NDD2-BLACK

Dulap ingust pentru scule - 2 sertare si usa

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu culoarea ecologică a standardului de calitate Qualicoat*
- *2 sertare (2 x L 374 x L 570 x H 70 mm)*
- *cu usa*
- *dimensiuni de bază L 475 x l 650 x H 870 mm*
- *volum total sertare: 30 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*





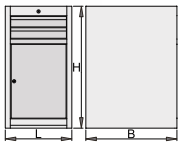
	A	B	H		
626167	475	650	870	60200	**4943.05**

990NDD2

Dulap ingust pentru scule - 2 sertare si usa

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu culoarea ecologică a standardului de calitate Qualicoat*
- *2 sertare (2 x L 374 x L 570 x H 70 mm)*
- *cu usa*
- *dimensiuni de bază L 475 x l 650 x H 870 mm*
- *volum total sertare: 30 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*





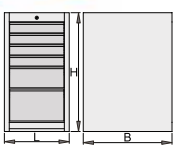
	A	B	H		
625624	475	650	870	40000	**4037.70**

990ND8

Dulap ingust cu 8 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *incuietoare cu cheie inclusă și breloc din spumă*
- *› sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *invelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *6 sertare (4 x L 374 x L 570 x H 70 mm, 1 x L 374 x L 605 x H 150 mm, 1 x L 374 x L 605 x H 230 mm)*
- *dimensiuni de bază L 475 x l 650 x H 870 mm*
- *volum total sertare: 145 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*





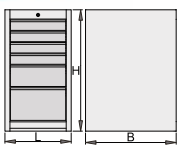
	A	B	H		
625623	475	650	870	60200	**6008.36**

990ND6LC100

Dulap ingust cu 6 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu culoarea ecologică a standardului de calitate Qualicoat*
- *6 sertare (4 x L 374 x L 570 x H 70 mm, 1 x L 374 x L 605 x H 150 mm, 1 x L 374 x L 605 x H 230 mm)*
- *dimensiuni de bază L 475 x l 650 x H 870 mm*
- *volum total sertare: 145 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 100 kg*





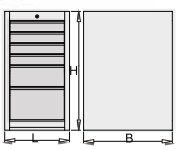
	A	B	H		
627061	475	650	870	71000	**6259.84**

990ND6-BLACK

Dulap ingust pentru scule cu 6 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *incuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *invelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *6 sertare (4 x L 374 x L 570 x H 70 mm, 1 x L 374 x L 605 x H 150 mm, 1 x L 374 x L 605 x H 230 mm)*
- *dimensiuni de bază L 475 x l 650 x H 870 mm*
- *volum total sertare: 145 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*





	A	B	H		
626166	475	650	870	60200	**6679.82**

990WD6

Dulap lat pentru scule cu 6 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *6 sertare (4 x L 564 x L 570 x H 70 mm, 1 x L 564 x L 605 x H 150 mm și 1 x L 564 x L 605 x H 230 mm)*
- *dimensiuni de bază L 663 x l 650 x H 870 mm*
- *volum total sertare: 220 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*



	A	B	H		
625620	663	650	870	72800	**6152.79**

990WD6LC100

Dulap lat pentru scule cu 6 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopeaua ecologică de calitate Qualicoat*
- *6 sertare (4 x L 564 x L 570 x H 70 mm, 1 x L 564 x L 605 x H 150 mm si 1 x L 564 x L 605 x H 230 mm)*
- *dimensiuni de bază L 663 x l 650 x H 870 mm*
- *volum total sertare: 220 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*



	A	B	H		
627059	663	650	870	51000	**6881.97**

990WD8

Dulap lat pentru scule cu 8 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *8 sertare (7 x L 564 x L 570 x H 70 mm, 1 x L 564 x L 605 x H 150 mm)*
- *dimensiuni de bază L 663 x l 650 x H 870 mm*
- *volum total sertare: 208 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*

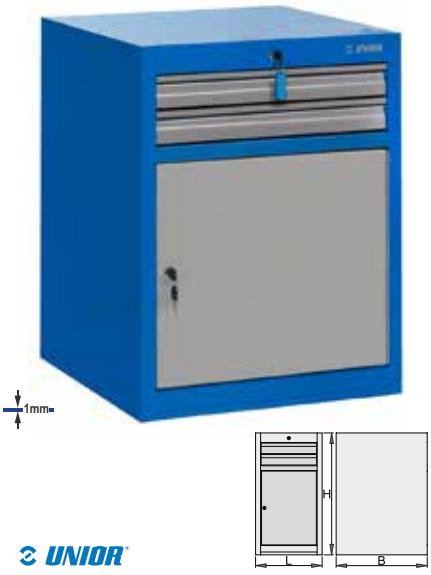


	A	B	H		
625621	663	650	870	83800	**6800.98**

990WDD2

Dulap lat pentru scule - 2 sertare si usa

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *2 sertare (2 x L 564 x L 570 x H 70 mm)*
- *cu usa*
- *dimensiuni de bază L 663 x l 650 x H 870 mm*
- *volum total sertare: 45 litri*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*



	A	B	H		
625625	663	650	870	44000	**4514.59**

990WD7-BLACK

Dulap lat pentru scule cu 7 sertare

- *material: tablă premium PLUS*
- *› sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *› încuietoare cu cheie inclusă și breloc din spumă*
- *› sertare cu extensie completă cu glisiere cu rulmenți de calitate superioară*
- *› învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *› acoperit cu vopsea ecologică de calitate Qualicoat*
- *› 7 sertare (5 x L 564 x L 570 x H 70 mm, 2 x L 564 x L 605 x H 150 mm)*
- *› dimensiuni de bază L 663 x l 650 x H 870 mm*
- *› volum total sertare: 214 litri*
- *› posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *› capacitatea maximă a fiecărui sertar: 50 kg*

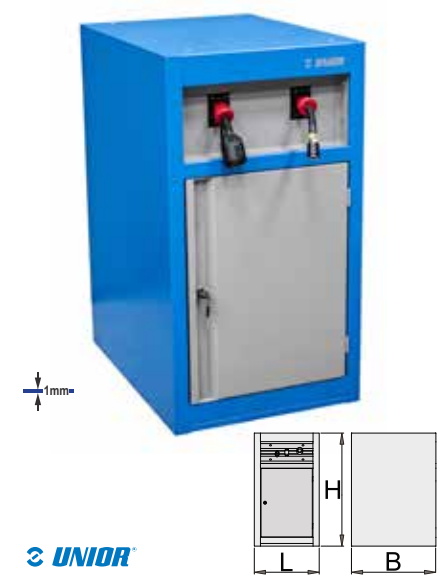


	A	B	H		
628585	663	650	870	71500	**7192.08**

990PNE

Modul sursa curent si aer comprimat

- *material: tablă premium PLUS*
- *suportul de putere pentru bancul de lucru modular include 2 role (cablu electric si furtun cu aer comprimat) cu revenire cu arc.*
- *bobina de cablu electric include cablu de 13m 3x1,5mm2 pentru 220V.*
- *tamburul de furtun include furtun în lungime de 10+3m, diametrul interior 8mm, diametrul exterior 12mm, conector 1/4". Presiune max. de lucru 7 bar.*
- *partea inferioară cu uși și un raft în interior.*
- *tamburele sunt disponibile și ca articol individual; tamburul de furtun sub codul 627388 si tamburul de cablu electric sub codul 627387. Tamburele se pot asambla pe piciorul suport al bancului de lucru modular cu ajutorul suportului pneumatic, cod 627372.*
- *încuietoare cu cheie inclusă și breloc din spumă*

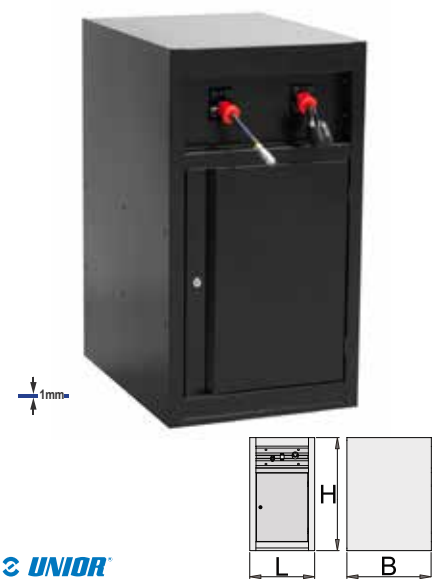


	A	B	H		
625646	475	650	870	74200	**6956.89**

990PNE-BLACK

Modul sursa curent si aer comprimat

- *material: tablă premium PLUS*
- *suportul de putere pentru bancul de lucru modular include 2 role (cablu electric si furtun cu aer comprimat) cu revenire cu arc.*
- *bobina de cablu electric include cablu de 13m 3x1,5mm2 pentru 220V.*
- *tamburul de furtun include furtun în lungime de 10+3m, diametrul interior 8mm, diametrul exterior 12mm, conector 1/4". Presiune max. de lucru 7 bar.*
- *partea inferioară cu uși și un raft în interior.*
- *tamburele sunt disponibile și ca articol individual; tamburul de furtun sub codul 627388 si tamburul de cablu electric sub codul 627387. Tamburele se pot asambla pe piciorul suport al bancului de lucru modular cu ajutorul suportului pneumatic, cod 627372.*
- *încuietoare cu cheie inclusă și breloc din spumă*



UNIOR

	A	B	H		
628809	475	650	870	74200	**8516.76**

990BIN

Modul intretinere/curatenie pentru bancuri modulare

- *material: tablă premium PLUS*
- *cu 2 sertare cu tragere.*
- *în sertarul superior poate fi plasată o rolă de hârtie de max. diametru 270 mm și max. lungime 380 mm. Există, de asemenea, un loc pe partea din spate a sertarului pentru rola de hârtie de rezervă.*
- *cel mai jos sertar are 2 containere compartimentate pentru deseuri, volum total 50 litri; primul container are posibilitatea de a introduce deșeurile prin ușa rabatabila din partea din față a sertarului.*
- *acoperit cu vopsea ecologică de calitate Qualicoat*



UNIOR

	A	B	H		
625655	475	650	870	42000	**5091.15**

990BIN-BLACK

Modul sursa curent si aer comprimat

- *material: tablă premium PLUS*
- *cu 2 sertare cu tragere.*
- *în sertarul superior poate fi plasată o rolă de hârtie de max. diametru 270 mm și max. lungime 380 mm. Există, de asemenea, un loc pe partea din spate a sertarului pentru rola de hârtie de rezervă.*
- *cel mai jos sertar are 2 containere compartimentate pentru deseuri, volum total 50 litri; primul container are posibilitatea de a introduce deșeurile prin ușa rabatabila din partea din față a sertarului.*
- *acoperit cu vopsea ecologică de calitate Qualicoat*



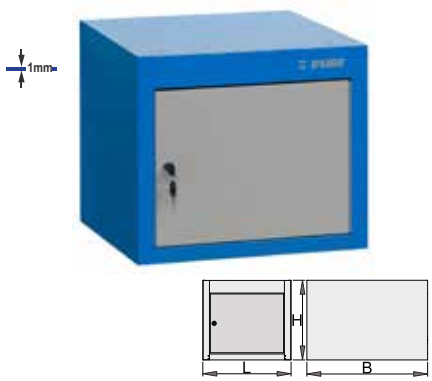
UNIOR

	A	B	H		
628810	475	650	870	74200	**6232.59**

990NDH

Dulap scule cu montare sub blat

- *material: tablă premium PLUS*
- *usa blocata cu incuietoare si cheie plianta*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *acoperit cu culoarea ecologică a standardului de calitate Qualicoat*
- *cu usa*



UNIOR

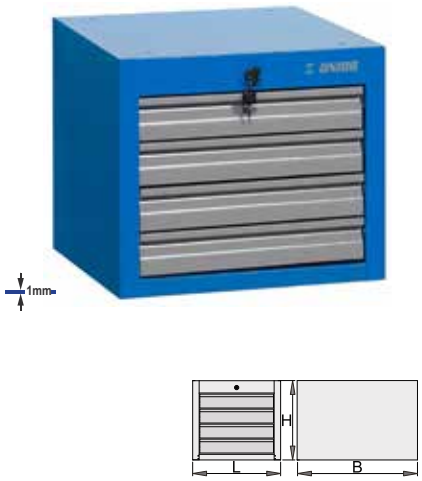
	A	B	H		
625627	475	650	430	9000	**2013.77**

MADE FOR WORK.

990NDH

Dulap scule ingust cu montare sub blat - 4 sertare

- *material: tablă premium PLUS*
- *sistem de închidere centralizată cu încuietoare și cheie pliabilă*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *sertare cu extensie completă cu glisiere cu rulmenți cu bile de calitate superioară*
- *învelișul sintetic protejează sertarele și uneltele de deteriorare*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *posibilă utilizare a sistemului de tăvi pentru scule SOS în sertare*
- *capacitatea maximă a fiecărui sertar: 50 kg*
- *4 sertare (4 x L 374 x L 570 x H 70 mm)*



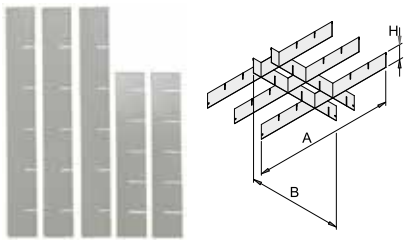
UNIOR

	A	B	H		
625626	475	650	430	32000	**3844.43**

990NDP

Separatoare pentru sertare inguste

- *material: tablă premium*



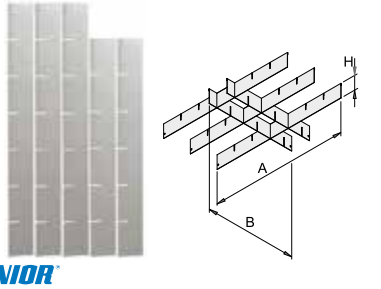
UNIOR

	A	B	H		
625640	370	583	60	1208	**136.56**

990WDP

Separatoare pentru sertare late

- *material: tablă premium*



UNIOR

	A	B	H		
625639	558	583	60	1362	**143.93**

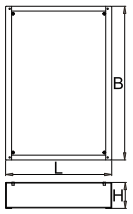
990NDU-BLACK

Baza inferioara pentru dulap ingust

- *material: tablă premium*







UNIOR

		A	B	H		
627689	60	442	640	78	6400	606.55

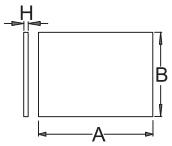
990WDU-BLACK

Baza inferioara pentru dulap lat

- *material: tablă premium*







UNIOR

		A	B	H		
627688	60	630	640	78	7200	770.98

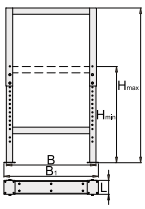
990LA

Picior reglabil pentru banc modular

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *material: tabla*







UNIOR

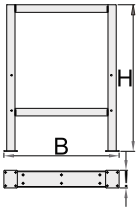
	A	B	B1	H↓	H↑		
625629	100	650	680	690	1110	12000	902.62

990LA-BLACK

Picior reglabil pentru banc modular

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *material: tabla*





UNIOR

	A	B	B1	H↓	H↑		
626630	100	650	680	690	1110	12000	1104.95

990IN4

Set 4 suruburi



UNIOR

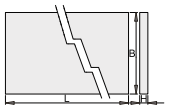
626419	-	13.61

990TW

Blat lemn

- *placaj stratificat*
- *protejate prin lacuire ecologica*





UNIOR

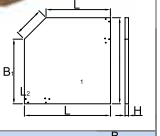
	A	B	H		
625630	1500	750	40	36200	1674.26
625631	2000	750	40	46200	2339.02
625632	2500	750	40	61000	2840.00

990TW1

Blat lemn de colt

- *placaj stratificat*
- *protejate prin acoperire ecologica*





UNIOR

	L	L1	B	B1	H	L2		
628149	1000	750	1000	750	40	350	59400	2188.69

990LBH NOU

Set pentru reglarea pe inaltime a suportului 990LB



UNIOR

	H	H1	H2	H3		
626254	955	800	955	800	59400	1559.37

990CAU-BLACK

Dulap suspendat pentru banc lucru

- *tabla cu gauri perforate*
- *usi incuiate cu cheie de blocare si pliere*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *capacitatea maxima de incarcare a dulapului agatat 1000 mm este de 40 kg,*
- *pentru 1250 mm si 1500 mm este de 50 kg*
- *capacitatea de incarcare a raftului este de 15 kg*
- *usa suspendata cu mecanism telescopic*
- *pe partea de jos a dulapului se fixeaza un suport lumina*
- *2 posibilitati de agatare - pe piciorul de sprijin al bancii de lucru modulare sau pe perete pentru agatarea pe perete, suportul suplimentar este inchis.*

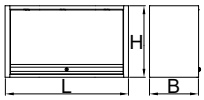






Premium+ QualiCoat

UNIOR



	L	B	H		
628808	1000	350	510	22400	3361.05

990TWS

Invelitoare din otel inoxidabil

- *material: otel inoxidabil*
- *se utilizeaza numai cu blatul din placaj stratificat 990TW*
- *grosime material: 1 mm*







UNIOR

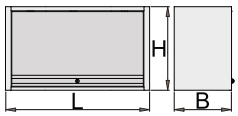
	A	B	H		
625633	1500	753	41	10800	1503.44
625634	2000	753	41	13000	1928.36

990CAU

Dulap suspendat pentru banc de lucru

- *material: tablă premium PLUS*
- *usa blocata cu incuietoare si cheie plianta*
- *încuietoare cu cheie inclusă și breloc din spumă*
- *acoperit cu vopsea ecologică de calitate Qualicoat*
- *capacitatea maximă de încărcare a dulapului suspendat de 1000 mm este de 40 kg, pentru 1250 mm și 1500 mm este de 50 kg. Capacitatea de încărcare a raftului este de 15 kg*
- *usa suspendata cu mecanism telescopic*
- *in partea inferioară a dulapului este amplasat un suport de lumină*
- *două posibilități de agățare - pe piciorul de sprijin al băncului de lucru modular sau pe perete. Pentru agățarea pe perete este inclus un suport suplimentar.*





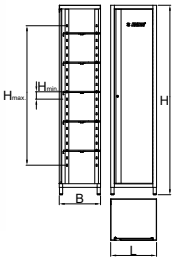
	L	B	H		
627088	1000	350	510	20000	2745.57
627089	1250	350	510	24000	3072.30
627090	1500	350	510	28000	4052.79

990NCA

Vestiar

- *tabla cu gauri perforate*
- *usi incuiate cu cheie de blocare si pliere*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *5 rafturi reglabile in inaltime*
- *dimensiuni L 500 x W 450 x H 2065 mm*



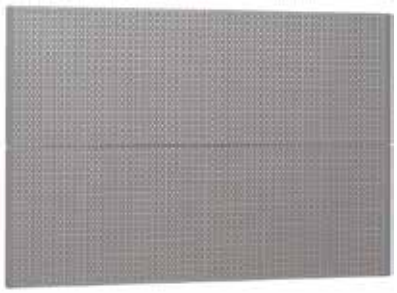


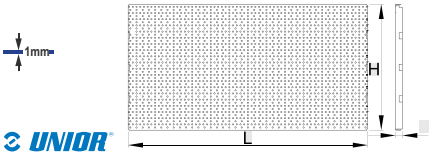
	L	B	H	Hmin	Hmax		
625745	500	450	2065	120	1620	54000	5392.79

990B

Perete perforat, 2 bucati in set

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *material: tabla*





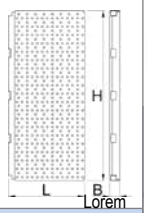
	A	B	H		
625652	952	28	1018	12600	844.10
625653	1202	28	1018	16400	1001.80
625654	1436	28	1018	19800	1229.34

990BA

Panou spate perforat pentru banc modular de colt, set 4 bucati

- *confectionat din tabla*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*





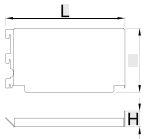
	L	B	H		
628201	228	28,5	509	6700	664.10

990BA1

Set de acoperire pentru banc modular pentru unghi, set de 2 bucati

- *confectionat din tabla*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*





	L	B	H		
628203	241,4	130	31,8	700	155.94

990SL-BLACK

Suport stanga, tabla perforata pentru bancuri modulare

- *acoperit cu vopseaecologică de calitate Qualicoat*
- *material: tablă premium PLUS*





	A	B	A1	B1	L		
627694	32	45	80	75	1155	2604	350.35

990SR-BLACK

Suport dreapta, tabla perforata pentru bancuri modulare

- *acoperit cu vopseaecologică de calitate Qualicoat*
- *material: tablă premium PLUS*





	A	B	A1	B1	L		
627690	32	45	80	75	1155	2610	350.35

990SM-BLACK

Suport de mijloc, tabla perforata pentru bancuri modulare

- *acoperit cu vopseaecologică de calitate Qualicoat*
- *material: tablă premium PLUS*





	A	B	A1	B1	L		
627691	32	45	80	70	1155	2600	352.87

990C

Traversa bancuri modulare

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *material: tabla*





	A	L	B	H		
625636	1500	1425	80	40	3400	326.23
625637	2000	1925	80	40	4800	360.49
625638	2500	2302	80	40	6000	419.34

990C-BLACK

Traversa bancuri modulare

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *material: tabla*





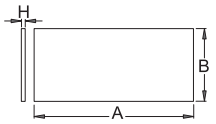
	A	L	B	H		
629603	1500	1425	80	40	3400	326.23
629602	2000	1925	80	40	4800	360.49

990SHELF

Raft cu suporturi

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *material: tabla*





	A	B	H		
625672	1000	984	250	40	3200	**289.18**
625673	1250	1234	250	40	5400	**404.92**
625674	1500	1468	250	40	6400	**505.08**

990HPB

Suport pentru module de plastic

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *material: tabla*





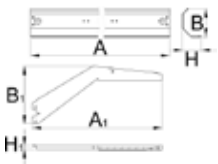
	A	B	H		
625660	1000	40,5	98	2400	**228.20**
625661	1250	40,5	98	3000	**244.59**
625662	1500	40,5	98	3600	**310.66**

990HL

Suport cu consola pentru iluminator

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *material: tabla*





	A	B	H	A1	B1	H1		
625663	999	121	36,5	1010	132	17	2151	**414.26**
625664	1249	121	36,5	1250	132	17	2469	**443.11**
625665	1499	121	36,5	1485	132	17	2760	**472.79**

990LIGHT

Dispozitiv iluminat cu neon

- *dimensiuni: 600/800/1200 mm*
- *lumina: alb rece 4000 K*
- *durata de viata: 25000 h*
- *fara emisii UV*
- *putere: 10 W / 15 W / 20 W*
- *tensiunea de alimentare: 220-240 V*
- *numar de LED-uri: LED SMD 52/76/100*
- *flux luminos: 1000/1400/1900 lm*
- *temperatura de cromatografie: 4000 K*
- *cu doi conectori si cablu de alimentare*





		A	B	H	lm		
625666	600	600	23	37	1000	340	**352.79**
625667	900	860	23	37	1400	297	**404.10**
625671	1200	1150	23	37	1900	315	**492.95**

990HPC

Suport din plastic cu prize

- *material: plastic*





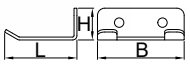
		A	B	H		
625656	2	998	130	55	4326	**1260.98**
625657	2	1248	130	55	5465	**1463.61**
625658	4	1498	130	55	6620	**1834.43**

H.990.HAM

Suport pentru ciocane

- *material: tabla premium 2mm*
- *un suport retine 1 ciocan sau 1 instrument cu maner T.*
- *montaj cu doua suruburi M6x10mm*





	L	B	H				
627071	60	50	22	56	1V	1	**66.07**

H.990.PLI

Suport pentru clesti

- *material: tabla premium 2mm*
- *un suport retine un cleste*
- *montaj cu surub M6x10mm*



	B	H				
627070	50	22	22	1V	1	**83.11**

H.990.PIN

Carlig cu surub montare

- *montaj cu surub M6x10mm*



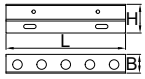
	L	B	H				
627804	51,5	15	30	155	1V	1	**76.23**

H.990.SCR

Suport pentru surubelnite

- *material: Tabla premium 0,8mm*
- *montaj pe peretele perforat Unior cu suruburi M6x10*
- *suport pentru surubelnite cu 5 orificii Ø 15 mm pentru fixarea diferitelor surubelnite*





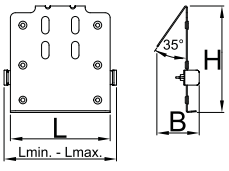
	L	B	H				
627072	188	28,5	45	125	1V	1	**72.46**

H.990.TAB

Suport pentru tableta

- *material: tabla premium 2mm*
- *montaj pe peretele perforat Unior sub 67 °*
- *montare cu patru suruburi M6x10mm*
- *latimea reglabila de la min. 210 mm pana la max. 340mm cu utilizarea glisoarelor laterale*
- *tampoanele de cauciuc de pe partea inferioara a suportului impiedica deteriorarea laptopului*





	L	B	H				
627073	120	85	213	1090	1V	1	**194.59**

h.F990UNr NOU

Suport pentru scule cu brat pliabil

• tava de scule pliabilă se montează pe suportul bancului de lucru Unior și oferă o plasare optimă a tăvii de scule
• tava va fi exact acolo unde aveți nevoie, oferind o poziție perfectă pentru unelte și piesele mici, crescând astfel productivitatea muncii.
• tava pentru scule se poate roti la 90 de grade la stânga sau la dreapta.
• brațul pliabil are 500 mm lungime și vă permite să trageți tava pentru scule mai aproape de dvs. sau să o mutați din zona de lucru atunci când nu este utilizată. Tava pentru scule este realizată din placă metalică subțire și tavă din spumă SOS, cu spațiu de agățat! unelte errente si compartimente deschise pentru depozitare



UNIOR

	L	B	B1	H	L↓	L↑		
625957	325	215	234	65	360.5	622	4300	540.82

h.F990PB NOU

Suport cu brat pliabil pentru module

• organizatorul pliabil pentru piese mici se montează pe suportul bancului de lucru Unior și oferă o poziție optimă pentru acesta. Configurarea va face munca mai confortabilă și mai productivă, deoarece piesele mai mici vor fi exact acolo unde aveți nevoie. Organizatorul de piese poate fi rotit cu 90° la stânga sau la dreapta, brațul pliabil are 500 mm lungime și permite să trageți organizatorul sau să-l pliați din zona de lucru atunci când nu este utilizat. Organizatorul este compatibil cu toate dimensiunile de cutii din plastic din gama noastră.
• cutiile de plastic nu sunt incluse cu organizatorul și se vând separat



UNIOR

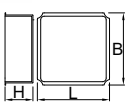
	L	B	B1	H	L↓	L↑		
625954	500	215	65	174	360.5	622	3900	471.64

PB.990HPBMOD

Set de 10 cutii de plastic

• set de suport modular pentru comerciant cu cutii din plastic si suport de baza este sub codul 627604





UNIOR

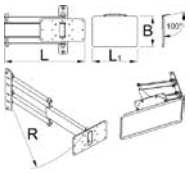
	L	B	H				
627379	60	60	50	166	1F	100	72.13
627380	90	60	50	252	1F	100	86.23
627381	120	60	50	316	1F	100	113.11
627382	90	90	50	331	1F	100	108.36
627383	120	120	50	490	1K	100	162.95
627384	180	90	50	540	1K	100	203.28

h.F990LAP NOU

Suport cu brat pliabil pentru laptop

• suportul pliabil pentru laptop se fixează pe suportul bancului de lucru Unior și oferă o poziție optimă pentru laptop. Configurarea va face munca mai confortabilă și mai productivă, deoarece computerul va fi exact acolo unde aveți nevoie. Tava este suficient de mare pentru a susține laptopuri cu dimensiunea de până la 15˝ și se poate roti la 90 de grade la stânga sau la dreapta.
• brațul pliabil are 500 mm lungime și permite să tragi laptopul mai aproape de tine sau să-l muți din zona de lucru atunci când nu este folosit.





UNIOR

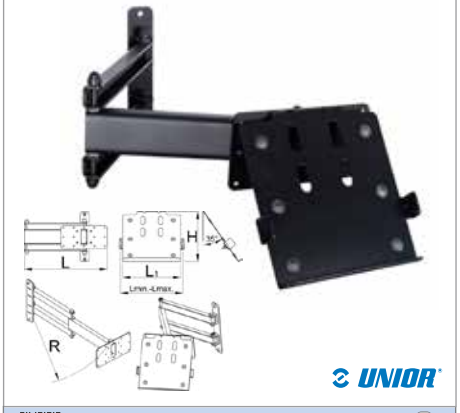
	L	B	B1	H	L↓	L↑		
625955	405	215	291	75	360.5	622	5800	604.43



h.F990TAB NOU

Suport cu brat pliabil pentru tableta

• suportul pliabil pentru tabletă se fixează pe suportul bancului de lucru Unior și oferă o poziție optimă pentru tabletă. Configurarea va face munca mai confortabilă și mai productivă, deoarece tableta va fi exact acolo unde aveți nevoie. Suportul dispune de cauciuc de protecție pe suprafață pentru a preveni zgârierea tabletei și braț reglabil pentru a găzdui tablete cu lățime de la 210 mm la 340 mm. Suportul se montează sub un unghi de 67 de grade pentru o glisare mai ușoară și o vedere mai bună și poate fi rotit cu 90 de grade la stânga sau la dreapta. Brațul pliabil are 500 mm lungime și permite să trageți suportul mai aproape de dvs. dacă este necesar sau să îl mutați din zona de lucru atunci când nu este utilizat.



UNIOR

	L	B	B1	H	L↓	L↑		
625956	200	215	160	174	360.5	622	4400	607.05

SET990.MD

Set de suport modular pentru cutii din plastic si suport baza

• suport de baza 450x210mm
• set cutii de plastic: 60x60x50mm 2 buc, 90x60x50mm 5 buc, 120x60x50mm 3 buc, 90x90x50mm 1 buc, 120x120x50 1 buc si 180x90x50mm 1 buc



UNIOR

627604	2250		517.21

990.MD (460 x 226), **SET.PB.990HPBMOD** ()

PB.990HPBMOD

Suport baza pentru cutii de plastic

• set de suport modular pentru comerciant cu cutii din plastic si suport de baza este sub codul 627604



UNIOR

	L	B				
627385	450	210		1F	1	100.98
627573	930	450		1F	1	441.31

SET.PB.990HPBMOD

Set de cutii de plastic cu suport de baza

• suport de baza 450x210mm
• set cutii de plastic: 60x60x50mm 2 buc, 90x60x50mm 5 buc, 120x60x50mm 3 buc, 90x90x50mm 1 buc, 120x120x50 1 buc si 180x90x50mm 1 buc



UNIOR

627395	450	1F	239.84

- suport baza 450x210mm
- module plastic dimensiune 60x60x50 mm 2 bucati
- module plastic dimensiune 90x60x50 mm 5 bucati
- module plastic dimensiune 120x60x50 mm 3 bucati
- modu plastic dimensiune 90x90x50 mm 1 bucata
- modul plastic dimensiune 120x120x50 mm 1 bucata
- modul plastic dimensiune 180x90x50 mm 1 bucata

990MA1

Banc de lucru modular - Modul 1



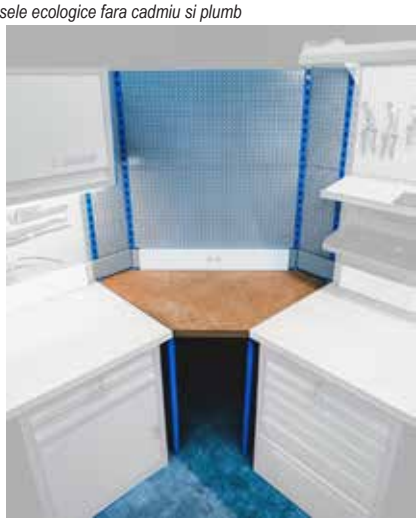
Art.		Denumire	
625751	1155x2000x750 mm	990MA1	**21442.46**

900WD6 (663x650x870), **990ND6** (475x650x870), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (983x73x131 2x)), **990B** (952x1018 (2x)), **990HL** (999 (2x)), **990LIGHT** (900 (2x)), **990HPB** (1000), PB.**990HPB** (235X155X125 (2x)), **990SHELF** (1000), 997.1 (50 (2x))

990AD1

Banc de lucru modular modul de colt

- *confectionat din tabla*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*



Art.		Denumire	
627057	1000 x 1000 x 2025 mm	990AD1	**7166.39**

990B (952x1018), **990BA** (228x28,5x509), **990BA1, 990HPC** (983x53x131), **990LB** (2x), **990SL** (32x45x1155), **990SM** (32x45x1155 (2x)), **990SR** (32x45x1155), **990TW1** (1000x1000x40





990MB2

Banc de lucru modular - Modul 2

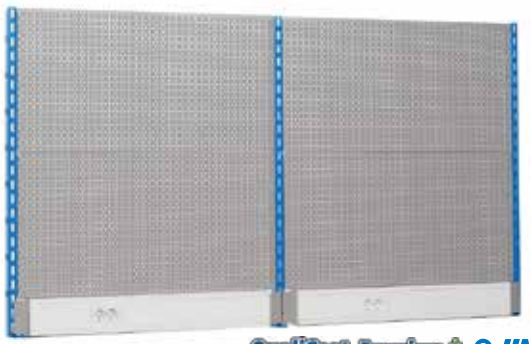


Art.		Denumire	
625752	1155x2000x750 mm	990MB2	**34436.39**

900WD6 (663x650x870),**990LA**(100x650x690x1110), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (983x53x131 (2x)), **990B** (952x1018 (2x)), **920PLUS1** (810x510x945), **949** (695x660x2030), **990WDU** (90), **997.1** (50 (2x))

990MC5

Banc de lucru modular - Modul 5



Art.		Denumire	Nr.	
625755	2000 x 1155 mm	990MC5		**5155.74**

990SL (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990B** (952x1018 (2x)), **990HPC** (983x53x131 (2x)), **997.1** (50 (2x))

990MC4

Banc de lucru modular - Modul 4



Art.		Denumire	Buc. Nr.	
625754	1155 x 2000 mm	990MC4		**7494.43**

990SL (32x45x1155), **990SM** (32x45x1155), **990SR** (32x45x1155), **990HPC** (983x53x131 (2x)), **990B** (952x1018 (2x)), **990HL** (999 (2x)), **990LIGHT** (900 (2x)), **990HPB** (1000), **PB.990HPB** (235x155x125 (2x)), **990SHELF** (1000), **997.1** (50 (2x))

990MA3

Banc de lucru modular - Modul 3



Art.		Denumire	
625753	2000 x 750 x 1885-2305 mm	990MA3	**9660.33**

900LA (100x650x690x1110 (2x)), **990C** (2000), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (983x73x131 2x)), **990B** (952x1018 (2x)), **997.1** (50 (2x))

990MA7

Banc de lucru modular - Modul 7



		Denumire	
625757	1500 x 750 x 730-1150 mm	990MA7	**9663.77**

900LA (100x650x690x1110 (2x)), **990TW** (1500x750x40), **990NDH4** (475x650x430), **990NDH** (475x650x430), **990C** (1500)

990MC8

Banc de lucru modular - Modul 8



Art.		Denumire	
625758	1155 x 1500 mm	990MA7	**3720.98**

990SL (32x45x1155), **990SR** (32x45x1155), **990B** (1436x1018), **990HPC** (1467x73x131), **997.1** (50 (2x))

990MA6

Banc de lucru modular - Modul 6



Art.		Denumire	Buc. Nr.	
625756	1500 x 750 x 2025 mm	990MA6		**11754.26**

990ND6 (475x650x870), **990LA** (100x650x690x1110), **990TW** (1500x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990HPC** (1467x73x131), **990B** (1436x1018), **997.1** (50 (2x))

990MA11

Banc de lucru modular - Modul 11



Art.		Denumire	
625761	1500 x 750 x 2025 mm	990MA11	**19062.95**

900WD6 (663x650x870), **990ND6** (475x650x870), **990TW** (1500x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990HPC** (1467x73x131), **990B** (1436x1018), **990SHELF** (1500), **990HPB** (1500), **PB.990HPB** (235x155x125), **990HL** (1499), **990LIGHT** (1200), **997.1** (50 (2x))

990MC9

Banc de lucru modular - Modul 9



Art.		Denumire	
625759	1155 x 1500 mm	990MC9	**5779.51**

990SL (32x45x1155), **990SR** (32x45x1155), **990B** (1436x1018), **990SHELF** (1500), **990HPC** (1467x53x131), **990HPB** (1500), **PB.990HPB** (235x155x125 (3x)), **990HL** (1499), **990LIGHT** (1200), **997.1** (50 (2x))

990MA10

Banc de lucru modular - Modul 10



Art.		Denumire	
625760	2500 x 750 x 2025 mm	990MA10	**23457.38**

900WD6 (663x650x870), **990WD8** (663x650x870), **990TW** (2500x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (1233x73x131 (2x)), **990B** (1202x1018), **990HL** (1249 (2x)), **990LIGHT** (1200 (2x))

La cerere bancurile de lucru pot fi dotate cu suprafata de lucru din otel inoxidabil. Aceasta se monteaza pe blaturile de lemn 990TW





990MA12

Banc de lucru modular- model A12



Art.		Denumire	Buc. Nr.	
626730	2000 x 750 x 2025 mm	990MA12		**20500.82**

900WD6 (663x650x870), **990WDD2** (663x650x870), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SM** (32x45x1155), **990SR** (32x45x1155), **990HPC** (983x53x131 (2x)), **990B** (952x1018 (2x)), **990HL** (999 (2x)), **990LIGHT** (900 (2x)), **990HPB** (1000), **990SHELF** (1000), **997.1** (50 (2x)), **PB.990HPB** (235x155x125 (2x))

990MA13

Banc de lucru modular- model A13



Art.		Denumire	
626731	2000 x 750 x 870 mm	990MA13	**13006.39**

900WD6 (663x650x870), **990WDD2** (663x650x870), **990TW** (2000x750x40)

990MA14

Banc de lucru modular- model A14



Art.		Denumire	
627544	2000 x 750 x 870 mm	990MA14	**9394.26**

900WD6 (663x650x870), **990WDD2** (663x650x870), **990TW** (2000x750x40)

990MA15

Banc de lucru modular- model A15



Art.		Denumire	
627545	2000 x 750 x 760-1150 mm	990MA15	**4504.59**

900LA (100x650x690x1100 (2x)), **990C** (2000), **990TW** (2000x750x40)

990MA16

Banc de lucru modular- model A16



Art.		Denumire	
627607	1500 x 750 x 2025 mm	990MA16	**14308.20**

900LA (100x650x690x1110), **990ND6** (475x650x870), **990NDU** (60), **990TW** (1500x750x40), **990MC9**

vl990WD1

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri late

• *dimensiuni compartimente: 30 x dimensiune 95x70 mm*



B	L	H		
625585	562	570	40	177	**212.79**

vl990WD2

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri late

• *dimensiuni compartimente: 15 x dimensiune 95x150 mm*



B	L	H		
625586	562	570	40	161	**222.30**

vl990WD3

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri late

• *dimensiuni compartimente: 10 x dimensiune 95x240 mm*



B	L	H		
625587	562	570	40	144	**222.30**

vl990WD4

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri late

• *dimensiuni compartimente: 12 x dimensiune 95x70 mm, 6 x dimensiune 95x150 mm, 2 x dimensiune 95x240 mm*



B	L	H		
625588	562	570	40	165	**212.79**

vl990ND1

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri inguste

• *dimensiuni compartimente: 20 x dimensiune 95x70 mm*



B	L	H		
625589	374	570	40	126	**128.85**

vl990ND2

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri inguste

• *dimensiuni compartimente: 10 x dimensiune 150x95 mm*



B	L	H		
625590	374	570	40	111	**136.07**

vl990ND3

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri inguste

• dimensiuni compartimente: 4 x dimensiune 95x70 mm, 6 x dimensiune 95x200 mm



UNIOR

	B	L	H		
625591	374	570	40	134	**128.85**

vl990ND4

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri inguste

• dimensiuni compartimente: 8 x dimensiune 95x70 mm, 20 x dimensiune 60x60 mm



UNIOR

	B	L	H		
625592	374	570	40	127	**128.85**

vl990WD

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri late

• dimensiuni compartimente: 6 x dimensiune 95x70 mm 2 x dimensiune 150x70 mm



UNIOR

	B	L	H		
625618	562	205	40	57	**85.08**





vl990ND

Modul SOS compartimentat pentru bancuri de lucru cu dulapuri inguste



UNIOR

	B	L	H		
625619	374	205	40	50	**45.74**

990MA17

Banc de lucru modular- model A17

• modulul include cutii de plastic: 60x60x50mm 2 buc, 90x60x50mm 5 buc, 120x60x50mm 3 buc, 90x90x50mm 1 buc, 120x120x50mm 1 buc, 180x90x50mm 1 buc



UNIOR QualiCoat Premium

Art.		Denumire	
627655	2000 x 750 x 2025 mm	990MA17	**22401.48**

990WD6LC100 (663x650x870), **990LA** (100x650x690x1110), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SM** (32x45x1155), **990SR** (32x45x1155), **990HPC** (983x53x131 (2x)), **990B** (952x1018), **990CAU** (1000x350x510 (2x)), **990LIGHT** (900 (2x)), **990.MD** (460x226), **BASE.990MOD** (450x210), **H.990.BAT** (35x84x22), **H.990.HAM** (2x), **H.990.PAP, H.990.PLI** (50x22 (5x)), **H.990SCR** (2x), **H.990.TAB, H.990.WRE**

990MA18

Banc de lucru modular- model A18

• modulul include cutii de plastic: 60x60x50mm 2 buc, 90x60x50mm 5 buc, 120x60x50mm 3 buc, 90x90x50mm 1 buc, 120x120x50mm 1 buc, 180x90x50mm 1 buc



UNIOR QualiCoat Premium

Art.		Denumire	
627656	1500 x 750 x 2025 mm	990MA18	**25676.56**

990ND6LC100 (475x650x870), **900PNE** (475x650x870), **990TW** (1500x750x40), **990B** (1436x1018), **990BIN** (475x650x870), **990HL** (1499), **990HPB** (1500), **990HPC** (1467x53x131), **990LIGHT** (1200), **990SHELF** (1500), **990SL** (32x45x1155), **990SR** (32x45x1155), **PB.990HPB** (235x155x125 (3x))

990TB1 NOU

Banc de lucru modular- Tech Bench

• dimensiune totala: lungime 2 m, inaltime 91 cm, adancime 75 cm
• capacitate de greutate: 1000 kg
• blatul cu invelis din otel inoxidabil, rezistent la coroziune, rugina si caldura pana la 100°C, va asigura ca blatul de banc ramane durabil, fiabil si curat impotriva uzurii de zi cu zi.
• doua dulapuri cu sertare late 990WD7 combinate ofera 14 sertare de depozitare, toate capabile sa gazduiasca tavi pentru scule din seria 2600 si spatiu suficient pentru a depozita toate piesele de schimb.
• dulap de suport de alimentare 990PNE: Echipat cu o bobină pentru un cablu de electricitate si un furtun pentru aer comprimat cu sistem de retur cu arc, acest dulap vă ajuta sa va mentineti atelierul ordonat si gata de a folosi accesoriile de care aveti nevoie frecvent.
• panoul din spate perforat, care se intinde pe toata latimea bancului de lucru, poate fi folosit cu accesorii precum carlige si suporturi de scule (nu sunt incluse) pentru a extinde spațiul de depozitare
• include iluminare LED pentru iluminarea suficientă a spatiului de lucru si un canal de parapet la indemana pentru incarcarea accesoriilor, componentelor bicicletei, unelte electrice sau electronice personale.



UNIOR

Art.		Denumire	
629896	2000 x 910 x 7520	990TB1	**29079.62**

990WD7-BLACK (663x650x870 (2x)); **990PNE-BLACK** (475x650x870); **990TW-SST** (2000x753x39)
990SR-BLACK (32x45x1155); **990SM-BLACK** (32x45x1155); **990SL-BLACK** (32x45x1155);
990B (952x1018 (2x)); **990HPC** (983x53x131 (2x)); **990HL** (999 (2x)); **990LIGHT** (900 (2x))

990TB3 NOU

Banc de lucru modular- Tech Bench

• dimensiune totala: lungime 2 m, inaltime 91 cm, adancime 75 cm
• capacitate de greutate: 1000 kg
• blatul cu invelis din osel inoxidabil, rezistent la coroziune, rugina si caldura pana la 100°C, va asigura ca blatul dvs. de banc rămane durabil, fiabil si curat impotriva uzurii de zi cu zi.
• doua dulapuri cu sertare late 990WD7 combinate ofera 14 sertare de depozitare, toate capabile sa gazduiasca tavi pentru scule din seria 2600 si spatiu suficient pentru a depozita toate piesele de schimb.



UNIOR QualiCoat Premium

Art.		Denumire	
629898	2000 x 910 x 7520	990TB1	**22372.05**

990WD7-BLACK (663x650x870 (2x)); **990PNE-BLACK** (475x650x870); **990TW-SST** (2000x753x39)

990TB2 NOU

Banc de lucru modular- Tech Bench

• dimensiune totala: lungime 2 m, inaltime 91 cm, adancime 75 cm
• capacitate de greutate: 1000 kg
• blatul cu invelis din osel inoxidabil, rezistent la coroziune, rugina si caldura pana la 100°C, va asigura ca blatul dvs. de banc rămane durabil, fiabil si curat impotriva uzurii de zi cu zi.
• doua dulapuri cu sertare late 990WD7 combinate ofera 14 sertare de depozitare, toate capabile sa gazduiasca tavi pentru scule din seria 2600 si spatiu suficient pentru a depozita toate piesele de schimb.



UNIOR QualiCoat Premium

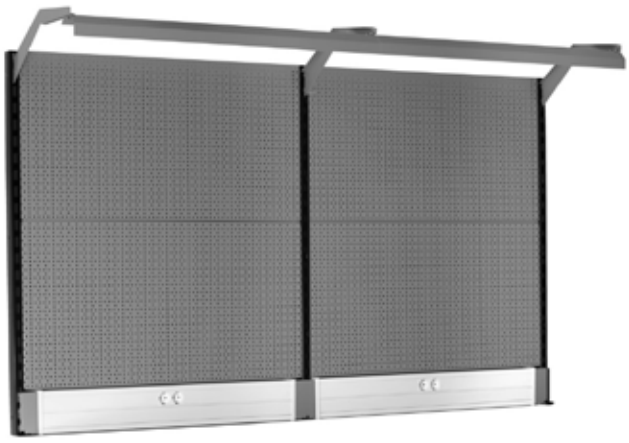
Art.		Denumire	
629897	2000 x 910 x 7520	990TB2	**15415.15**

990WD7-BLACK (663x650x870 (2x)); **990TW-SST** (2000x753x39)

990BP NOU

Panou spate cu lumina si canal parapet

• material: tabla premium PLUS
• culoarea ecologică a standardului de calitate Qualicoat
• cdimensiuni: L 2000 x H 1155mm
• iluminare LED cu o durata de viata de 25000 ore si temperatura de culoare de 4000K
• canal parapet compatibil cu mufe OBO STD-D0 Modul 45



UNIOR QualiCoat Premium

Art.		Denumire		
629899	2000 x 910 x 7520	990PB	44460	**6707.57**

990SR-BLACK (32x45x1155); **990SM-BLACK** (32x45x1155); **990SL-BLACK** (32x45x1155)
990B (952x1018 (2x)); **990HPC** (983x53x131 (2x)); **990HL** (999 (2x)); **990LIGHT** (900 (2x))

Noua tehnologie avansata

Utilizarea de noi metode tehnologice si materiale de calitate superioara au ca rezultat scule cu o durata de viata lunga, designul de siguranta asigura lucrari de reparatii fara avarii, solutii personalizate, eficienta excelenta, materialele moderne si designul ergonomic asigură un aspect frumos si o utilizare sigura.

Soluții personalizate pentru rezultate excelente

Solutiile noastre ofera adaptabilitate la piesele de bicicleta ale tuturor producatorilor. Tradiția noastra, designul propriu si dezvoltarea tehnica constanta si tehnologia moderna ne tin cu un pas inainte.

990TBC

NOU

Banc de lucru modular de colt - Tech Bench

• dispunand de dulap ingust integrat cu 2 sertare si usa, oferind spatiu extins de depozitare pentru unelte si echipamente, mentinand spatiul de lucru organizat si fara dezordine
• poiectat pentru o pozitionare ergonomica optima, bancul de lucru oferă o inaltime de lucru confortabila, reducand efortul si sporind productivitatea in timpul sarcinilor prelungite.
• ideal pentru diferite tipuri de reparatii de biciclete, de la biciclete de sosea si biciclete de munte la biciclete electrice, biciclete pentru copii si biciclete cargo
• bancul de lucru este conceput pentru a satisface nevoile diverse ale mecanicilor profesionisti si ale pasionatilor pretentiosi. Designul elegant si modern nu numai ca imbunatateste functionalitatea, dar adauga si o notă sofisticata atelierului sau garajului dumneavoastra
• blatul din placaj gros, de inalta calitate, ofera un spațiu de lucru durabil si rezistent.
• dulap ingust integrat 990NDD2 cu 2 sertare si usa
• panou din spate perforat, care acoperă întreaga latime a bancului de lucru de colt
• poate fi folosit cu accesorii precum carlige si suporturi de scule (nu sunt incluse) pentru a extinde spatiul de depozitare.
• canal parapet pentru incarcarea accesoriilor, componentelor bicicletei, sculelor electrice sau electronicelor personale.

990NDD2 BLACK:

• constructie rezistenta: sabricat din otel Premium PLUS de inalta calitate, dulapul pentru scule ofera durabilitate si stabilitate exceptionale.
• doua sertare înguste cu dimensiunile L 374 x l 570 x H 70 mm si volum 30 litri.
• usa metalica care se incuie cu raft pentru depozitare suplimentara.
• functionare lina: echipate cu glisiere cu rulmenti cu bile, sertarele se deschid si se inchid fara probleme, chiar si atunci când sunt complet incarcate.
vcapacitate sertar: fiecare sertar poate sustine pana la 50 kg.
• depozitare sigura: sistemul de închidere centralizată asigură că uneltele dumneavoastră sunt in siguranta si in siguranta atunci cand nu sunt utilizate.
• design elegant: finisat în negru elegant, dulapul pentru instrumente adaugă un aspect profesional si modern spațiului dvs. de lucru.

990BP:

• panoul din spate perforat este fabricat din tabla premium PLUS și acoperit cu culoarea ecologica a standardului de calitate Qualicoat, asigurând atat durabilitate, cat si un aspect elegant
• cuprinzand intreaga latime a bancului de lucru de 2 m, acest panou din spate versatil poate fi folosit cu accesorii precum carlige, suporturi de scule si dulap deasupra capului pentru a profita la maximum de spatiul suplimentar de depozitare. Acest panou din spate include iluminare LED integrată pentru iluminarea optima a spatiului de lucru si un canal de parapet convenabil pentru incarcarea accesoriilor, componentelor bicicletei, unelte electrice sau electronice personale.
• material: tablă premium PLUS
• vopsea ecologica conform standardului de calitate Qualicoat
• dimensiuni: L 2000 x H 1155mm
• iluminare LED cu o durata de viata de 25000 ore si temperatura de culoare de 4000K
• canal parapet compatibil cu mufe OBO STD-D0 Modul 45



UNIOR QualiCoat Premium

Art.		Denumire	
629900	475 x 650 x 870	990TBC	**10350.15**

990NDD2-BLACK (475x650x870); **990TW1** (1000x1000x40); **990BA1; 990BA** (228x28,5x509) **990B** (952x1018); **990HPC** (983x53x131); **990SR-BLACK** (32x45x1155); **990SM-BLACK** (32x45x1155 (2x)); **990SL-BLACK** (32x45x1155)

991LMS.C1

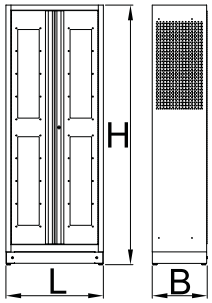
Cabinet organizator pentru documente

• cabinetul organizator pentru documente este o soluție ideală pentru documentația organizată sistematic, depozitată în siguranță în spatele ușilor transparente pentru o vizibilitate suplimentară. Dispune de patru rafturi reglabile și o opțiune de ușă larg deschisă. Pereții săi sunt perforați, ceea ce permit instalarea de accesorii suplimentare care vor optimiza spațiul suplimentar.
• material: tablă premium PLUS
• usa blocata cu incuietoare si cheie plianta
• usa din plexiglas pentru vizualizarea interiorului dulapului
• ușile se deschid la 180°
• ușile neblocate sunt ținute de magneți
• include 4 rafturi care pot fi personalizate pe 9 poziții verticale
• rafturile au, practic, o distanță de 342 mm
• partea de jos a dulapului servește drept „al cincilea," raft fix
• rafturile sunt întărite
• părțile laterale ale dulapului din partea superioară sunt perforate pentru atașarea accesoriilor
• fundul dulapului este realizat astfel încât să permită deplasarea dulapului cu echipamente standard de transport, cum ar fi stivuitoare și transpalete manuale
• dimensiunile de bază ale dulapului L 770 x L 430 x H 2052mm
• acoperit cu vopsea ecologică de calitate Qualicoat











UNIOR Premium QualiCoat

L	B	H				
628541	770	430	2052	80000	1K	1	**9517.05**

991LMS.C2

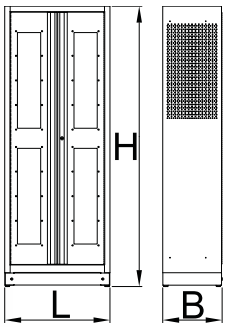
Cabinet organizator pentru module SOS

• cabinetul organizator pentru module pentru scule cu nouă rafturi permite un mod vizibil și structurat de depozitare a sculelor. Tăvile sunt înclinate pentru vizibilitate, dar pot fi montate și în poziție orizontală. Tăvile pentru module standard 3/3 cu fante pentru diverse unelte de mână. Tăvile sunt mobile și sunt ușor de înlocuit
• material: tablă premium PLUS
• usa blocata cu incuietoare si cheie plianta
• usa din plexiglas pentru vizualizarea interiorului dulapului
• ușile se deschid la 180°
• ușile neblocate sunt ținute de magneți
• include 9 rafturi la un unghi de 20° pentru o vedere de ansamblu mai bună asupra instrumentelor din modulele SOS
• 9 tăvi metalice pentru depozitarea și transportul a 3/3 module SOS sunt incluse în livrarea dulapului
• un raft cu margine frontală pentru limitarea tăvii
• rafturile au, practic, o distanță de 170 mm
• rafturile sunt ranforsate
• părțile laterale ale dulapului din partea superioară sunt perforate pentru atașarea accesoriilor
• fundul dulapului este realizat astfel încât să permită deplasarea dulapului cu echipamente standard de transport, cum ar fi stivuitoare și transpalete manuale
• dimensiunile de bază ale dulapului L 770 x L 430 x H 2052 mm
• acoperit cu vopsea ecologică de calitate Qualicoat













UNIOR Premium QualiCoat

	L	B	H				
628542	770	430	2052	116000	1K	1	12284.26

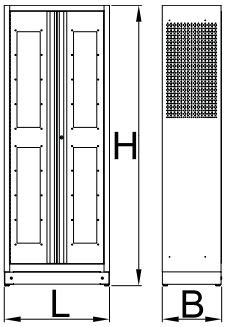
991LMS.PS1

Statie de incarcare scule cu acumulator

• stația de încărcare are conexiune directă la rețeaua electrică. Cu patru rafturi, vă permite să încărcați sculele electrice cu acumulator sau să conectați alte accesorii electrice, cum ar fi telefonul, laptopul și alte dispozitive inteligente. Este un element indispensabil al unui atelier modern.
• material: tablă premium PLUS
• usa blocata cu incuietoare si cheie plianta
• usa din plexiglas pentru vizualizarea interiorului dulapului
• ușile se deschid la 180°
• ușile neblocate sunt ținute de magneți
• include 4 rafturi, cele 2 superioare sunt fixe, cele inferioare sunt reglabile
• cele două rafturi superioare sunt proiectate pentru încărcarea bateriilor și a dispozitivelor inteligente. Fiecare include o bancă de douăsprezece puncte de desfacere principale.
• rafturile superioare sunt perforate pentru ventilarea aerului cald
• rafturile sunt ranforsate
• părțile laterale ale dulapului din partea superioară sunt perforate pentru o extracție mai ușoară a aerului cald. Perforarea servește ca mijloc de atașare a accesoriilor
• capacul contine o placa cu intrerupatorul de retea, intrerupatoare de protectie pentru splitere si un termostat, care poate fi reglat intre 0 si 60 °C
• capacul conține și un ventilator care permite aerului să intre și curge la 160 m3/h, care este activat la temperatura setată și elimină aerul fierbinte din carcasă, include o plasă de protecție și filtru în față, iar capacul deasupra ventilatorului conține perforații pentru eliminarea aerului
• cablu plug principal, lungime de 5 m, 5x16 A 400 V
• cablurile sunt ascunse în canale
• toate componentele electronice sunt marcate cu autocolante adecvate
• toate piesele dulapului sunt împământate
• fundul dulapului este realizat astfel încât să permită deplasarea dulapului cu echipamente standard de transport, cum ar fi stivuitoare și transpalete manuale
• dimensiunile de bază ale dulapului L 770 x L 430 x H 2052mm
• acoperit cu vopsea ecologică de calitate Qualicoat











UNIOR Premium QualiCoat

	L	B	H				
628543	770	430	2052	80000	1K	1	20469.51

991LMS.S1

Tava metalica pentru module SOS

- *material: tabla premium PLUS*
- *partile laterale cu manere cu o margine de plastic pentru o prindere usoara*
- *tava metalica compatibila cu modulele de scule Unior 3/3*
- *acoperita cu vopsea eco conforma standardului de calitate Qualicoat*







UNIOR

Premium QualiCoat

	L	B	H				
628544	565	367	90	2340	1K	1	294.43

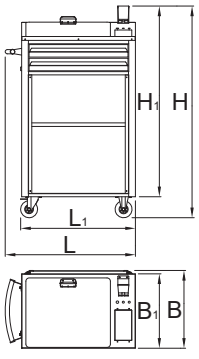
994

Pupitru mobil

- *material: tabla premium PLUS*
- *suprafata de lucru cu placa mobila rezistenta cu clema, dimensiune A3*
- *margine ridicata pentru prevenirea alunecarii placii*
- *suport pentru telefon mobil*
- *gauri pentru instrumente de scris*
- *suprafata de depozitare pentru accesorii*
- *2 sertare L 563 x L 365 x H 70mm*
- *sertarele pot fi modificate cu partitii 940ES3A sau 940ES3*
- *2 suprafete de depozitare in partea inferioara a caruciorului*
- *maner ergonomic*
- *sistem de inchidere centralizat cu cheie rabatabila*
- *roti rezistente la ulei si acid, cu diametrul de 100 mm, una cu frana, care blocheaza rotirea si pivotarea*
- *sertare cu extensie completa, cu glisiere cu rulmenti de inalta calitate*
- *covoras sintetic ce protejeaza sertarele si sculele impotriva deteriorarii*
- *acoperit cu vopsea eco conforma standardului de calitate Qualicoat*
- *dimensiuni cu maner si roti L 770 x B 460 x H 1252mm*
- *capacitatea maxima a fiecarui sertar: 45 kg*
- *sertare compatibile cu module de scule SOS 1/3, 2/3, 3/3*







UNIOR

Premium QualiCoat

	L	L1	B	B1	H	H1				
612208	770	673	460.5	440	1252	1125	39000	1K	1	4558.20

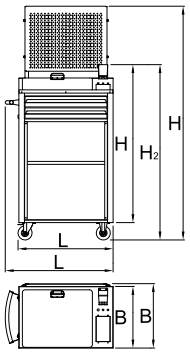
994W

Pupitru mobil cu panou pentru scule

- *material: tabla premium PLUS*
- *suprafata de lucru cu placa mobila rezistenta cu clema, dimensiune A3*
- *margine ridicata pentru prevenirea alunecarii placii*
- *suport pentru telefon mobil*
- *gauri pentru instrumente de scris*
- *suprafata de depozitare pentru accesorii*
- *2 sertare L 563 x L 365 x H 70mm*
- *sertarele pot fi modificate cu partitii 940ES3A sau 940ES3*
- *2 suprafete de depozitare in partea inferioara a caruciorului*
- *maner ergonomic*
- *sistem de inchidere centralizat cu cheie rabatabila*
- *roti rezistente la ulei si acid, cu diametrul de 100 mm, una cu frana, care blocheaza rotirea si pivotarea*
- *sertare cu extensie completa, cu glisiere cu rulmenti de inalta calitate*
- *covoras sintetic ce protejeaza sertarele si sculele impotriva deteriorarii*
- *acoperit cu vopsea eco conforma standardului de calitate Qualicoat*
- *dimensiuni cu maner si roti L 770 x B 460 x H 1252mm*
- *capacitatea maxima a fiecarui sertar: 45 kg*
- *sertare compatibile cu module de scule SOS 1/3, 2/3, 3/3*
- *panou cu gauri perforate*







UNIOR

Premium QualiCoat

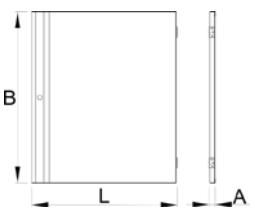
	L	L1	B	B1	H	H1				
628371	770	673	460.5	440	1669	1125	40000	1K	1	5060.66

994.1

Usa pentru pupitru mobil

- *material: tabla premium PLUS*
- *acoperita cu vopsea eco conforma standardului de calitate Qualicoat*





UNIOR

Premium QualiCoat

	L	B	A				
628373	589	694.7	26	5400	1K	1	885.41

994WD

Pupitru mobil cu panou pentru scule si usa

- *material: tabla premium PLUS*
- *suprafata de lucru cu placa mobila rezistenta cu clema, dimensiune A3*
- *margine ridicata pentru prevenirea alunecarii placii*
- *suport pentru telefon mobil*
- *gauri pentru instrumente de scris*
- *suprafata de depozitare pentru accesorii*
- *2 sertare L 563 x L 365 x H 70mm*
- *sertarele pot fi modificate cu partitii 940ES3A sau 940ES3*
- *2 suprafete de depozitare in partea inferioara a caruciorului*
- *maner ergonomic*
- *sistem de inchidere centralizat cu cheie rabatabila*
- *roti rezistente la ulei si acid, cu diametrul de 100 mm, una cu frana, care blocheaza rotirea si pivotarea*
- *sertare cu extensie completa, cu glisiere cu rulmenti de inalta calitate*
- *covoras sintetic ce protejeaza sertarele si sculele impotriva deteriorarii*
- *acoperit cu vopsea eco conforma standardului de calitate Qualicoat*
- *dimensiuni cu maner si roti L 770 x B 460 x H 1252mm*
- *capacitatea maxima a fiecarui sertar: 45 kg*
- *sertare compatibile cu module de scule SOS 1/3, 2/3, 3/3*
- *panou cu gauri perforate*
- *usa cu sistem de incuiere si cheie rabatabila*



	L	L1	B	B1	H	H1				
628372	770	673	460.5	440	1669	1125	45400	1K	1	5946.07

991HD

Dulap de scule Heavy Duty

- *constructie robusta si durabila*
- *dimensiuni dulap: L 1221 × B 700 × H 1304 mm*
- *6 sertare: 2 dimensiuni L 1106 × B 596 × H 72 mm cu capacitate 90 kg si 4 dimensiuni L 1106 × B 596 × H 198 mm cu capacitate 180 kg*
- *volumul total al sertarului: 522 litri*
- *sertare extensibile 100% cu glisiere cu rulment cu bile, de inalta calitate*
- *sistem de inchidere centralizat cu cheie rabatabila*
- *sistemul de siguranta Block impiedica deschiderea simultana a mai multor sertare. Cand un sertar este deschis, toate celelalte sertare sunt blocate si nu pot fi deschise, ceea ce impiedica rasturnarea dulapului*
- *personalizarea - divizarea sertarelor folosind partitii si divizoare in functie de nevoile utilizatorului*
- *realizat din tabla PLUS premium*
- *vopsit cu vopsele eco de calitate conform standardului Qualicoat*



	L	B	H				
628257	1121	700	1304	215000	1K	1	21442.46

991.1HDS

Set de partitii pentru sertar mic, 991HD, 3 bucati



	L	B	H			
628266	596	28.2	63	1K	1	277.87

991.23HDS

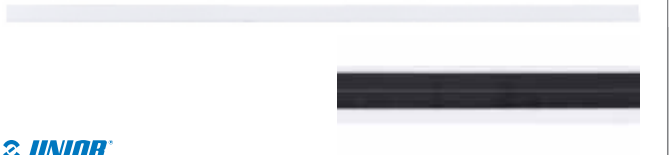
Set de divizoare pentru sertarul mare 991HD, 5 buc



	L	B	H			
628273	152	7	139	1K	1	139.84

lh.GENERAL-MAGN.

Suport magnetic pentru etichete



	L	B				
628813	1000	20		1K	1	32.62

991.11HDS

Set de divizoare pentru sertar mic 991HD, 5 bucati



	L	B	H			
628267	74.7	7	68	1K	1	103.44

991.12HDS

Set de divizoare pentru sertar mic 991HD, 5 bucati





	L	B	H				
628268	100.5	7	68		1K	1	114.10

991.13HDS

Set de divizoare pentru sertar mic 991HD, 5 bucati



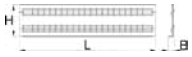


	L	B	H				
628269	152	7	68		1K	1	135.25

991.2HDS

Set de partitii pentru sertarul mare 991HD, 3 bucati





	L	B	H				
628270	596	28	134		1K	1	450.66









PUNCT CONTROL PROCES LUCRU



991LMS.C1

Cabinet organizator pentru documente



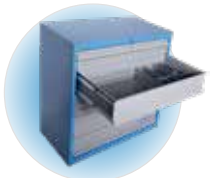
991LMS.C2

Cabinet organizator pentru module
- module SOS 3/3 standard
- sau in functie de necesitatile utilizatorului
- 9x 991LMS.S1



991LMS.PS1

Statie de incarcare scule cu acumulator



991HD

Dulap scule Heavy Duty

INAPOI



LOC DE MUNCA

991HD-BLACK

Dulap de scule Heavy Duty

- *constructie robusta si durabila*
- *dimensiuni dulap: L 1221 × B 700 × H 1304 mm*
- *6 sertare: 2 dimensiuni L 1106 × B 596 × H 72 mm cu capacitate 90 kg si 4 dimensiuni L 1106 × B 596 × H 198 mm cu capacitate 180 kg*
- *volumul total al sertarului: 522 litri*
- *sertare extensibile 100% cu glisiere cu rulment cu bile, de inalta calitate*
- *sistem de inchidere centralizat cu cheie rabatabila*
- *sistemul de siguranta Block impiedica deschiderea simultana a mai multor sertare. Cand un sertar este deschis, toate celelalte sertare sunt blocate si nu pot fi deschise, ceea ce impiedica rasturnarea dulapului*
- *personalizarea - divizarea sertarelor folosind partitii si divizoare in functie de nevoile utilizatorului*
- *realizat din tabla PLUS premium*
- *vopsit cu vopsele eco conform standardului Qualicoat*







Premium QualiCoat

UNIOR

	L	B	H				
628256	1121	700	1304	215000	1K	1	**26250.14**

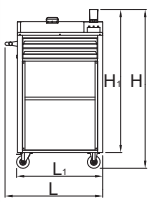
994-BLACK

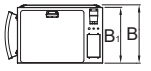
Pupitru mobil

- *material: tabla premium PLUS*
- *suprafata de lucru cu placa mobila rezistenta cu clema,*
- *suport pentru telefon mobil*
- *gauri pentru instrumente de scris*
- *suprafata de depozitare pentru accesorii*
- *2 sertare L 563 x L 365 x H 70mm*
- *sertarele pot fi modificate cu partitii 940ES3A sau 940ES3*
- *2 suprafete de depozitare in partea inferioara a caruciorului*
- *maner ergonomic*
- *sistem de inchidere centralizat cu cheie rabatabila*
- *roti rezistente la ulei si acid, cu diametrul de 100 mm, una cu frana, care blocheaza rotirea si pivotarea*
- *sertare cu extensie completa, cu glisiere cu rulmenti*
- *covoras sintetic ce protejeaza sertarele si sculele*
- *acoperit cu vopsea conforma standardului de calitate Qualicoat*
- *dimensiuni cu maner si roti L 770 x B 460 x H 1252mm*
- *capacitatea maxima a fiecarui sertar: 45 kg*
- *sertare compatibile cu module de scule SOS 1/3, 2/3, 3/3*









Premium QualiCoat

UNIOR

	L	B	H				
628215	770	460.5	1252	47500	1K	1	**5580.26**

940JUMBO2

Carucior pentru scule cu 8 sertare JUMBO2

- *material: tabla premium PLUS*
- *sistem de inchidere centralizata cu incuietoare si cheie rabatabila*
- *incuietoare cu cheie inclusa si breloc din spuma*
- *noul sistem de siguranta impiedica deschiderea mai multor sertare simultan. Cand un sertar este deschis, toate celelalte sertare sunt blocate si nu pot fi deschise.*
- *roti rezistente la ulei si acid cu un diametru de 160 mm, una cu frana, care blocheaza rotirea si pivotarea, suporturi fixe cu diametrul de 200 mm*
- *sertare cu extensie completa, cu glisiere cu rulmenti cu bile de calitate superioara*
- *deschiderea si inchiderea sertarelor este foarte simpla datorita solutiei noi - manerul sertarului in pozitia de sus asigura o deblocare usoara si deschiderea sertarului.*
- *sertare cu captuseala sintetica antiderapanta*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *8 sertare frontale (1x L 1126 x W 570 x H 110mm, 3x L 563 x W 570 x H 70mm, 2x L 563 x W 605 x H 150mm, 2x L 484 x W 605 x H 265mm)*
- *dimensiuni de baza cu maner si roti L 1337 x W 825 x H 1047 mm*
- *volumul total sertare: 400 litri*
- *capacitatea de incarcare statica a caruciorului fara roti 2300 kg*
- *capacitate de incarcare dinamica a caruciorului 600 kg*
- *capacitatea de incarcare a sertarelor frontale 90 kg*
- *sertare compatibile cu module de unelte SOS 1/3, 2/3, 3/3*

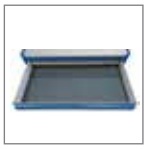
Avantaje:

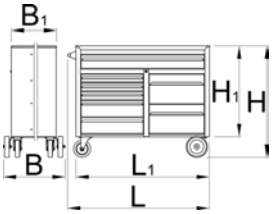
- *suprafata de lucru foarte mare 1250x63 mm*
- *sertare foarte mari*
- *suprafata de lucru superioara cu margini ridicate de 35 mm inaltime, care este menita sa retina scule si articole de lucru*
- *rotile mari permit deplasarea usoara a caruciorului*
- *model cu sertare*
- *adancimea marita a sertarului superior permite stocarea tuturor capetelor tubulare, inclusiv a capetelor tubulare lungi, in pozitie verticala; acest lucru ofera o eficienta maxima a spatiului si creste numarul de unelte care pot fi stocate in sertar comparativ cu sertarele traditionale cu adancime mai mica; in pozitie verticala pot fi depozitate toate sculele de dimensiuni mai mari pana la inaltimea maxima de 110 mm*











UNIOR

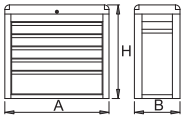
	L	L1	L2	B	B1	H	H1		
628932	1337	1258	1080	825	680	1047	856	156000	**11543.11**

939/5E

Dulap de scule Eurostyle-5 compartimente

- *sistem de inchidere*
- *capac cu incuietoare, cand capacul este inchis sertarele sunt blocate*
- *sertare pe rulmenti*
- *protectie sintetica pentru sertare si scule contra deteriorarii*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *5 sertare, dimensiunea 560x265x70 mm*
- *capacitatea sertarelor: 30 kg*





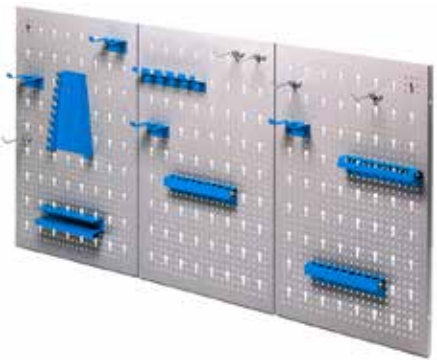
UNIOR

	A	B	H				
611784	685	300	535	25000	1K	1	**3074.59**

997

Panou expozitor

- *material:tabla perforata*
- *utilizat pentru agatarea diferitelor tipuri de scule in diverse moduri*
- *este posibila fixarea permanenta a carligelor*
- *amplasare usoara a sculelor*
- *posibilitate de combinare a diverselor panouri de dimensiuni diferite*
- *cu set 997.2*



UNIOR

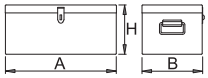
	A	B	H		
607154	1192	20	595	5000	**970.00**

960/2

Cutie de scule

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *destinata pentru transportul si depozitarea sculelor, masinilor electrice si echipamentelor, documentelor in conditii climaterice diverse*





UNIOR

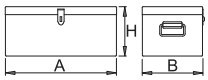
	A	B	H				
605897	840	420	335	23000	1K	1	1875.74

960/3

Cutie de scule

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *destinata pentru transportul si depozitarea sculelor, masinilor electrice si echipamentelor, documentelor in conditii climaterice diverse*





UNIOR

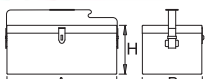
	A	B	H				
605898	910	530	430	31000	1K	1	2219.67

960/6

Cutie de scule pentru instalatori

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *cu curea sintetica*





UNIOR

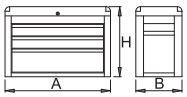
	A	B	H				
603673	550	200	230	5200	1K	1	682.46
612989	620	200	230	4900	1K	1	769.18

939/3EV

Dulap Eurovision - 3 compartimente

- *sistem de inchidere*
- *sertare pe rulmenti*
- *protectie sintetica pentru sertare si scule contra deteriorarii*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *3 sertare (2 dim. 560x320x75 mm, 1 dim. 560x315x150mm*
- *capacitatea sertarelor: 30 kg*





UNIOR

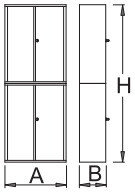
	A	B	H				
620556	690	355	394	21600	1K	1	2591.80

949-BLACK

Dulap de scule

- *sistem de inchidere*
- *sertare pe rulmenti*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *tabla perforata*





Premium QualiCoat

UNIOR

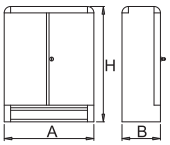
	A	B	H				
628214	695	660	2030	135000	1K	1	13189.61

948E1

Dulap de scule

- *sistem de inchidere*
- *sertare pe rulmenti*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *1 setar, dimensiunea 575x285x75*
- *interiorul dulapului este prevazut cu tabla perforata*





UNIOR

	A	B	H				
612215	700	300	900	27500	1K	1	2984.26

948E1.1

Accesorii pentru 948E1

- *accesorii:carlige de agatare (35 buc dim. 35mm, 10 buc dim. 50mm si 20 buc dim. 100mm), cu suport metalic pentru chei-3 buc si suport de dalta-1 buc*



UNIOR

612908	2600	1K	1	1005.08

977/7

Suport de metal pentru surubelnite cu maner in T



UNIOR

608355	890	1F	1	153.77

949.2

Dulap de scule

- *tabla cu gauri perforate*
- *sistem de inchidere*
- *7 sertare dim.560 x 605 x 70*
- *sertare pe rulmenti*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *element din 949*



	A	B	H		
622673	695	660	1023	83400	**6466.72**

949.1

Dulap de scule

- *sistem de inchidere*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *tabla perforata*
- *element din 949*



	A	B	H		
622672	695	660	1023	48800	**10773.93**

949

Dulap de scule

- *sistem de inchidere*
- *sertare pe rulmenti*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *tabla perforata*



	A	B	H		
622671	695	660	2030	135000	**10773.93**

977/1

Suport metalic pentru chei fixe

- *material: tabla*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*

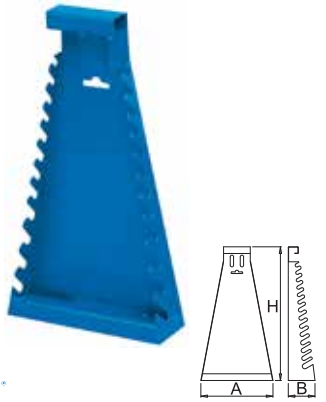


		A	B	H				
605160	6-32/12	180	50	330	420	1F	1	**84.43**

977/2

Suport metalic pentru chei combinate, varianta lunga

- *material: tabla*
- *vopsite cu vopsele ecologice fara cadmiu si plumb*



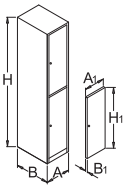
		A	B	H				
605161	6-22/17	215	55	420	590	1F	1	**84.43**

950/2

Vestiar,2 compartimente

- *vestiarul este vopsit in camp electrostatic pentru a asigura protectia impotriva ruginei.*
- *ca protectie suplimentara tabla este lacuita ecologic cu cadmiu si vopsea*
- *corpul vestiarului din tabla de 0,8 mm de inalta calitate*
- *usile din tabla de 1 mm, ranforsate impotriva torsiunii si indoirii*





Premium QualiCoat UNIOR

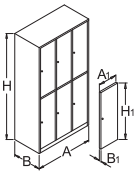
	A	B	H	A1	B1	H1		
617115	350	500	1880	300	20	875	35000	**2987.54**

950/2

Vestiar, 6 compartimente

- *vestiarul este vopsit in camp electrostatic pentru a asigura protectia impotriva ruginei.*
- *ca protectie suplimentara tabla este lacuita ecologic cu cadmiu si vopsea*
- *corpul vestiarului din tabla de 0,8 mm de inalta calitate*
- *usile din tabla de 1 mm, ranforsate impotriva torsiunii si indoirii*





Premium QualiCoat UNIOR

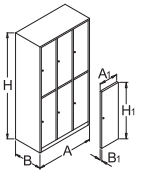
	A	B	H	A1	B1	H1		
616652	1000	500	1880	300	20	875	75000	**8076.89**

950/6-BLACK

Vestiar, 6 compartimente

- *vestiarul este vopsit in camp electrostatic pentru a asigura protectia impotriva ruginei.*
- *ca protectie suplimentara tabla este lacuita ecologic cu cadmiu si vopsea*
- *corpul vestiarului din tabla de 0,8 mm de inalta calitate*
- *usile din tabla de 1 mm, ranforsate impotriva torsiunii si indoirii*





Premium QualiCoat UNIOR

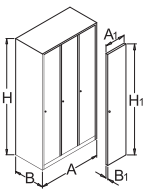
	A	B	H	A1	B1	H1		
628588	1000	500	1880	300	20	875	75000	**9887.92**

950/3V

Vestiar cu 3 compartimente

- *Vestiarul este vopsit in camp electrostatic pentru a asigura protectia impotriva ruginei. Ca protectie suplimentara tabla este lacuita ecologic cu cadmiu si vopsea.Usile vestiarului in culori luminoase confera fiecarui compartiment o atmosfera placuta*
- *Corpul vestiarului din tabla de 0,8 mm de inalta calitate*
- *Usile din tabla de 1 mm, ranforsate impotriva torsiunii si indoirii.Usile sunt vopsite in sase culori diferite (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 si RAL 7035)*





UNIOR

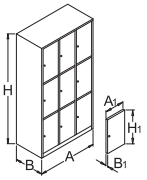
	A	B	H	A1	B1	H1				
617175	1000	500	1880	300	20	1775	75000	1K	1	**5621.80**

950/9

Vestiar cu 9 compartimente

- *Vestiarul este vopsit in camp electrostatic pentru a asigura protectia impotriva ruginei. Ca protectie suplimentara tabla este lacuita ecologic cu cadmiu si vopsea.Usile vestiarului in culori luminoase confera fiecarui compartiment o atmosfera placuta*
- *Corpul vestiarului din tabla de 0,8 mm de inalta calitate*
- *Usile din tabla de 1 mm, ranforsate impotriva torsiunii si indoirii.Usile sunt vopsite in sase culori diferite (RAL 1021, RAL 3020, RAL 5010, RAL 6029, RAL 2004 si RAL 7035)*





UNIOR

	A	B	H	A1	B1	H1				
617116	1000	500	1880	300	20	575	95000	1K	1	**8548.03**

950.1

Rama eticheta



617188	24	1V	1	**28.20**

950.4

Suport din plastic pentru 950/9,6,3,2,1



617187	150	1V	1	**47.21**

K950COMB

Incuietoare cu cifru pentru vestiar



617183	216	1X	1	**311.31**

PIESE DE SCHIMB

Produs	Cod	Art	Denumire	Dimensiuni	Greutate	920PLUS	940E	940EV	940ECO	940M	940H	994	946	943P	949	938M	939EV	Pret
	613099	D11	Sertar mic pentru 946A	585x612x75	4.400								x	x				445.65
	616000	D15	Sertar mic, lateral 940H1	415x365x75	2.041						x							444.44
	616001	D16	Sertar mare 940H1	415x365x153	4.054						x							471.98
	619520	D18	Sertar mare 920	585x412x155	4.054	x												593.85
	620564	D20	Sertar mic EuroVision	585x413x75	2.100			x										541.35
	620563	D19	Sertar mare EuroVision	585x413x153	3.923			x										600.22
	620247	D20ECO	Sertar mic 940ECO	520x313x75	3.265				x									509.85
	621663	D939EV1	Sertar mic pentru cutie de scule Eurovision	585x323x75	3.796												x	520.52
	621664	D939EV2	Sertar mare pentru cutie de scule Eurovision	585x323x153	4.375												x	571.65
	610165	K1	Cheie cu butuc 940E1-9, H1, H2, H3, M1, M2, M3, 940/2, 44,26 940/3, 946A	180°	0.061	x	x		x	x	x		x	x				88.13
	610174	R4	Maner 940H1, H2, H3	490x66x90	0.590						x							209.31
	616002	R5	Maner 940M1, M2, M3	390x70x25	0.372					x								118.43
	616003	T7	Material sintetic pentru sertare	391x341	0.068						x							59.04
	616004	T8	Material sintetic pentru sertare	391x359	0.085						x							59.04
	616005	T9	Material sintetic pentru sertare 946A	560x591	0.126								x					81.93
	616006	T10	Material sintetic pentru sertare 946A	560x608	0.127								x					91.92
	620566	T12	Covor sintetic pentru EuroVision	694x434	0.154			x										102.93
	620568	T13	Husa sinetica pentru sertarul mic de la EuroVision	560x380	0.057			x										69.20
	621665	T939EV1	Invelis pentru sertar mic din material sintetic pentru dulap de scule Eurovision	560x294	0.043												x	59.04
	610181	V1	Glisiere pe rulmenti 940E1-9	400	1.180			x										205.70
	610182	V2	Glisiere pe rulmenti pentru 940H1	350	0.975						x							198.47
	603664	V3	Glisiere pe rulmenti pentru 940 H1, H2, H3, 940 M1, M2, M3	400	1.180	x				x	x							205.70

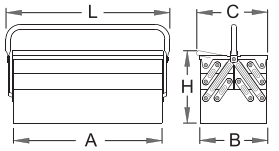
Produs	Cod	Art	Denumire	Dimensiuni	Greutate	920PLUS	940E	940EV	940ECO	940M	940H	994	946	943P	949	938M	939EV	Pret
	613100	V4	Glisiera pe rulmenti 946A	600	1.700								x	x	x			225.49
	616008	V5	Glisiera pe rulmenti 940M1, M2, M3	700	1.785					x								263.70
	619551	V6	Glisiera pe rulment pentru 940ECO	300	0.880				x								x	87.79
	610183	W1	Roata pivotanta cu frana 940E1-9, 940M1, M2, M3, 938/5M	100	0.845		x		x	x		x				x		182.11
	610184	W2	Roata pivotanta fara frana pentru 940E1 - E6, 940 M1, M2, M3, 938/5M	100	0.745		x		x	x		x				x		176.09
	610189	W7	Roata fixa 940H1, H2, H3	160	1.042						x							142.35
	610191	W20	Set de roti 940E1-6, 940M1, M2, M3, 938/5M	100	2.685		x		x	x		x				x		569.24
	610195	W24	Set de roti pentru 940H1, H2, H3	125+160	3.610						x							612.10

911/5

Cutie scule rabatabila cu un maner si 5 compartimente

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *model lung cu un maner*





UNIOR

	A	B	C	L	H				
601909	460	210	220	500	225	3956	1K	1	**390.00**

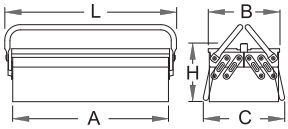


914/3

Cutie scule rabatabila cu 2 manere si 3 compartimente

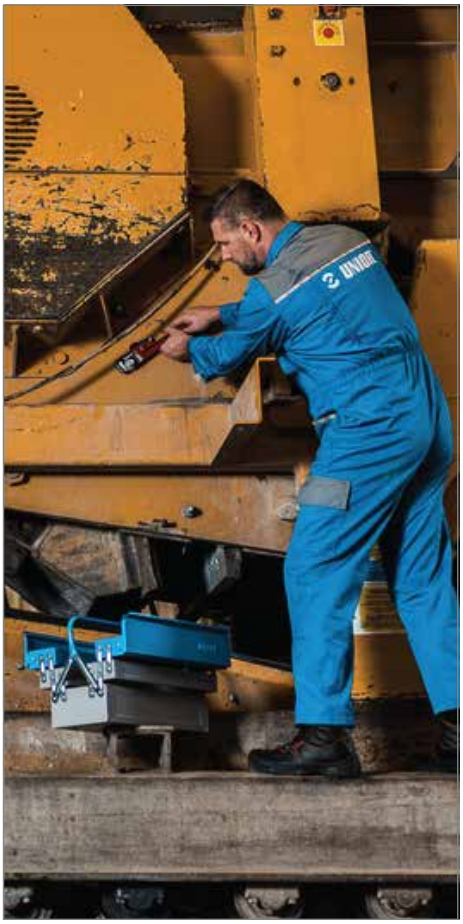
- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *model scurt cu doua manere*





UNIOR

	A	B	C	L	H				
608538	460	210	235	485	225	4075	1K	1	**311.48**

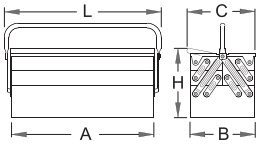


912/5

Cutie scule rabatabila cu un maner si 5 compartimente

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *model lung cu un maner*





UNIOR

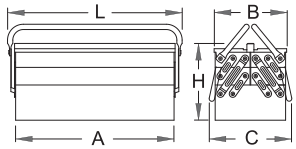
	A	B	C	L	H				
601912	560	210	220	600	225	5474	1K	1	**449.67**

914/5

Cutie scule rabatabila cu 2 manere si 5 compartimente

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *model lung cu un maner*





UNIOR

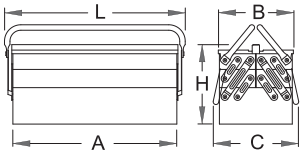
	A	B	C	L	H				
601985	460	210	235	485	225	5000	1K	1	**405.74**

915/5

Cutie scule rabatabila cu 2 manere si 5 compartimente

- *vopsite cu vopsele ecologice fara cadmiu si plumb*
- *model lung cu un maner*





UNIOR

	A	B	C	L	H				
607137	560	210	235	585	225	6000	1K	1	**463.77**

911VSOS

Modul cu 4 compartiemnte pentru art. 911

- *material: spuma polietilena de joasa densitate*



UNIOR

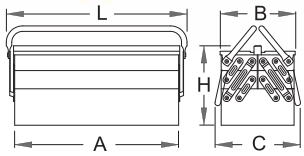
	B	L	H				
622694	95	447	30	26	1V	1	

7914/5

Cutie scule rabatabila cu 2 manere si 5 compartimente

- *pentru ateliere mecanice si solutie pentru depozitarea sculelor*
- *5 compartimente*
- *7 zone de depozitare*
- *grosime tabla 0,5 mm*
- *vopsita in doua culori*
- *usor de deschis si inchis*
- *maner dublu pentru mai mult confort*
- *dimensiuni: 450x200x200 mm*
- *greutate: 3,1 kg*





KRONUS

	A	B	C	L	H				
900513	450	200	200	460	200	4000	1K	1	**207.64**



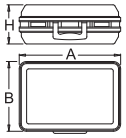
969L

Troller ABS tip diplomat pentru scule

- *troller cu maner telescopic usor de folosit*
- *corp confectionat din ABS*
- *rama robusta din aluminiu cu protectie pentru margini ascutite*
- *2 incuietori cu clame*
- *cifru*
- *despartitor pentru documente (format A4)*
- *baza interioara cu partitionare variabila*
- *dimensiuni interior: 485x350x195 mm*
- *volum: 36 l*
- *greutate cand e plina: 30 kg*







UNIOR

	A	B	H				
621633	510	405	270	6400	1K	1	**2442.13**

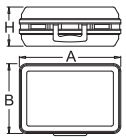
969S

Geanta ABS tip diplomat pentru scule

- *corpul confectionat din ABS*
- *rama robusta din aluminiu cu protectie pentru margini ascutite*
- *2 incuietori cu clame*
- *cifru*
- *despartitor pentru documente (format A4)*
- *baza interioara cu partitionare variabila*
- *dimensiuni interior: 455x345x160 mm*
- *volum: 26 l*
- *greutate cand e plina: 25 kg*







UNIOR

	A	B	H				
621631	485	380	175	4200	1K	1	**1609.18**

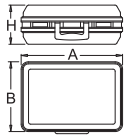
970 U1

Geanta ABS tip diplomat pentru scule

- *carcasa ABS-PRO extrem de rezistenta*
- *protectie din plastica pentru cadru superdimensionata*
- *incuietori metalice speciale*
- *cadru de aluminiu extrem de robust*
- *maner ergonomic*
- *trei balamale metalice*
- *suporturi de capac foarte rezistente*
- *maner si incuietori fixate cu suruburi*
- *testat la o rezistenta de incarcare de 26 kg*







UNIOR

	A	B	H				
06 5040 8019	460	310	160	4500	1K	1	**1422.95**

00 5111 8019

Cutie ABS pentru scule tip diplomat Classic

- *fabricat in Germania*
- *carcasa ABS-PRO extrem de rezistenta*
- *protectie din plastica pentru cadru superdimensionata*
- *incuietori metalice speciale*
- *cadru de aluminiu extrem de robust*
- *maner ergonomic*
- *trei balamale metalice*
- *suporturi de capac foarte rezistente*
- *maner si incuietori fixate cu suruburi*
- *testat la o rezistenta de incarcare de 35 kg*

Compartimentare:

- *despartitoare pentru documente in capac (cod 5180)*
- *desparatitor cu 2 fete cu compartimente pentru scule (cod 4766)*
- *tava si despartitor de acoperire cu compartimente pentru scule (cod 4768)*



	Dimensiuni	Greutate	Ambalare	
00 5111 8019	460x160x310 mm	5,1 kg	1	**1875.41**

00 5182 8019

Cutie ABS pentru scule tip diplomat Classic

- *fabricat in Germania*
- *carcasa ABS-PRO extrem de rezistenta*
- *protectie din plastica pentru cadru superdimensionata*
- *incuietori metalice speciale*
- *cadru de aluminiu extrem de robust*
- *maner ergonomic*
- *trei balamale metalice*
- *suporturi de capac foarte rezistente*
- *maner si incuietori fixate cu suruburi*
- *testat la o rezistenta de incarcare de 35 kg*

Compartimentare:

- *despartitoare pentru documente in capac (cod 5380)*
- *desparatitor cu 2 fete cu compartimente pentru scule (cod 5366)*
- *tava si despartitor de acoperire cu compartimente pentru scule (cod 5368)*



	Dimensiuni	Greutate	Ambalare	
00 5182 8019	470x200x360 mm	6,2 kg	1	**2019.67**

10 5122 8019

Cutie ABS pentru scule tip diplomat Classic

- *fabricat in Germania*
- *carcasa ABS-PRO extrem de rezistenta*
- *protectie din plastica pentru cadru superdimensionata*
- *incuietori metalice speciale*
- *cadru de aluminiu extrem de robust*
- *maner ergonomic*
- *trei balamale metalice*
- *suporturi de capac foarte rezistente*
- *maner si incuietori fixate cu suruburi*
- *testat la o rezistenta de incarcare de 35 kg*

Compartimentare:

- *despartitoare pentru documente in capac (cod 5180)*
- *desparatitor cu 2 fete cu compartimente pentru scule (cod 4766)*
- *desparatitor cu 2 fete cu compartimente pentru scule (cod 5164)*
- *tava si despartitor de acoperire cu compartimente pentru scule (cod 4768)*



	Dimensiuni	Greutate	Ambalare	
10 5122 8019	460x180x310 mm	6,3 kg	1	**2019.67**

00 5075 8019

Cutie ABS pentru scule tip diplomat Budget

- *fabricat in Germania*
- *carcasa ABS-PRO extrem de rezistenta*
- *protectie din plastica pentru cadru superdimensionata*
- *incuietori metalice speciale*
- *cadru de aluminiu extrem de robust*
- *maner ergonomic*
- *trei balamale metalice*
- *suporturi de capac foarte rezistente*
- *maner si incuietori fixate cu suruburi*
- *testat la o rezistenta de incarcare de 35 kg*

Compartimentare:

- *despartitoare pentru documente in capac (cod 5381)*
- *desparatitor cu 2 fete cu compartimente pentru scule (cod 5366)*
- *tava si despartitor de acoperire cu compartimente pentru scule (cod 5368)*



	Dimensiuni	Greutate	Ambalare	
00 5075 8019	470x200x360 mm	7,2 kg	1	**2636.07**

690454 NOU

Geanta din piele pentru scule instalator

• corp geanta, capac, maner, curea de umar executata in totalitate din piele de bovina grosime de 1,5 mm, sistem de inchidere cu 2 catarame, intaritura are grosime de minim 1,5 mm din material rezistent. Capacul acopera cel putin 1/3 din fata gentii si se inchide cu 2 catarame
• manerul este in doua straturi de piele, prevazut cu manson din piele pentru protejarea mainii
• dispune de curea de umar, latime 30 mm, dublata prinsa cu capse pentru a se asigura rezistenta, lungimea de aproximativ 1300 mm,reglabila, prevazuta cu umeras captusit
• partea din fata a gentii este prevazuta cu un buzunar interior pe toata lungimea si inaltimea, buzunar avand latimea de 15 mm. Peretele despartitor dintre acesta si restul gentii, este executat din material rezistent, astfel incat sculele depuse in geanta sa nu il poata strapunge
• interiorul gentii - peretele posterior, rigid este prevazut cu bride elastice de prindere si fixare scule
• geanta este prevazuta la colturi cu intarituri metalice pentru marirea rezistentei
• cusaturile de rezistenta sunt intarite cu capse, inclusiv marginile gentii
• geanta nu isi va schimba forma sub greutatea sculelor,extragerea sculelor din geanta se face usor
• geanta respecta cerintele de siguranta si securitate in munca, nu pune in pericol sanatatea utilizatorului si respecta cerintele legislatiei in domenului protectiei mediulu







690454	400 x 160 x 250	1	-	649.00

MAX430TC

Cutie impermeabila pentru scule

• fabricat in Italia
• garnitura etansa in jurul capacului
• supapa automata de presiune
• usor de deschis cu doua arcuri
• maner soft grip testat la incarcare
• gauri pentru cureaua de umar
• sistem de stocare interblocabil
• corp din material gros
• puncte suplimentare de fixare
• spatiu de imprimare pe capac
• dimensiuni esterioare: 464x366x176 mm
• dimensiuni interioare: 426x290x159 mm
• inaltime capac + inaltime corp: 45 + 114 mm
• greutate: 3,04 kg
• capacitate: 19,64 Lt
• temperatura de utilizare: -30 / 90 °C

Compartimentare:
• buzunar pentru documente
• sistem de depozitare a sculelor
• curea de umar (transport)









Panaro MAX

MAX430TC	464 x 366 x 176	426 x 290 x 159	45 + 114	2	5660	1248.13

MAX430PU

Cutie impermeabila pentru scule

• fabricat in Italia
• garnitura etansa in jurul capacului
• supapa automata de presiune
• usor de deschis cu doua arcuri
• maner soft grip testat la incarcare
• gauri pentru cureaua de umar
• sistem de stocare interblocabil
• corp din material gros
• puncte suplimentare de fixare
• spatiu de imprimare pe capac
• dimensiuni exterioare: 464x366x176 mm
• dimensiuni interioare: 426x290x159 mm
• inaltime capac + inaltime corp: 45 + 114 mm
• greutate: 3,92 kg
• capacitate: 19,64 Lt
• temperatura de utilizare: -30 / 90 °C

Compartimentare:
• organizator in capac
• panou scule
• curea de umar (transport)









Panaro MAX

MAX430PU	464 x 366 x 176	426 x 290 x 159	45 + 114	2	3920	1114.92

MAX505TC

Cutie impermeabila pentru scule

• fabricat in Italia
• garnitura etansa in jurul capacului
• supapa automata de presiune
• usor de deschis cu doua arcuri
• maner soft grip testat la incarcare
• gauri pentru cureaua de umar
• sistem de stocare interblocabil
• corp din material gros
• puncte suplimentare de fixare
• spatiu de imprimare pe capac
• dimensiuni esterioare: 555x428x211 mm
• dimensiuni interioare: 500x350x194 mm
• inaltime capac + inaltime corp: 58 + 136 mm
• greutate: 3,90 kg
• capacitate: 33,95 Lt
• temperatura de utilizare: -30 / 90 °C

Compartimentare:
• buzunar pentru documente
• sistem de depozitare a sculelor
• curea de umar (transport)









Panaro MAX

MAX505TC	555 x 428 x 211	500 x 350 x 194	58 + 136	1	6740	1723.02

MAX505TCTR

Troller impermeabil pentru scule

- *fabricat in Italia*
- *garnitura etansa in jurul capacului*
- *supapa automata de presiune*
- *usor de deschis cu doua arcuri*
- *maner soft grip testat la incarcare*
- *gauri pentru cureaua de umar*
- *sistem de stocare interblocabil*
- *corp din material gros*
- *puncte suplimentare de fixare*
- *spatiu de imprimare pe capac*
- *balamale pe toata lungimea capacului*
- *material: polipropilena copolimer*
- *material catarame: plastic*
- *material carucior: metal si plastic*
- *dimensiuni exterioare: 555x445xH258 mm*
- *dimensiuni interioare: 500x350xH194 mm*
- *inaltime capac + inaltime corp: 58 + 136 mm*
- *greutate: 5,04 kg*
- *capacitate: 33,95 Lt*
- *temperatura de utilizare: -30 / 90 °C*

Compartimentare:
- *organizator in capac*
- *panou scule*
- *curea de umar (transport)*







Panaro MAX

MAX505TCTR	555 x 445 x 258	500 x 350 x 194	58 + 136	1	6140	**2108.04**

MAX520TCTR

Troller impermeabil pentru scule

- *fabricat in Italia*
- *garnitura etansa in jurul capacului*
- *supapa automata de presiune*
- *usor de deschis cu doua arcuri*
- *maner soft grip testat la incarcare*
- *gauri pentru cureaua de umar*
- *sistem de stocare interblocabil*
- *corp din material gros*
- *puncte suplimentare de fixare*
- *spatiu de imprimare pe capac*
- *balamale pe toata lungimea capacului*
- *material: polipropilena copolimer*
- *material catarame: plastic*
- *material carucior: metal si plastic*
- *dimensiuni exterioare: 574x361xH225 mm*
- *dimensiuni interioare: 520x290xH200 mm*
- *inaltime capac + inaltime corp: 45 + 155 mm*
- *greutate: 7,78 kg*
- *capacitate: 30,16 Lt*
- *temperatura de utilizare: -30 / 90 °C*

Compartimentare:
- *organizator in capac*
- *panou scule*
- *curea de umar (transport)*











Panaro MAX

MAX520TCTR	574 x 361 x 225	520 x 290 x 200	58 + 136	1	7780	**2282.75**

Favorit Pro 7163

NOU

Geanta din piele pentru utilizare universala

- *buzunar frontal*
- *protectie marginilor de jur imprejur din aluminiu*
- *perete frontal articulat*
- *18 suporturi reglabile pentru scule*
- *2 bucle fixe pentru scule pe peretii laterali*
- *inele pentru curea de prindere*
- *2 incuietori cu catarame metalice*
- *dimensiuni: 420x150x250 mm*
- *greutate: 2.6 kg*
- *volum: 18 litri*



HEPCO & BECKER

50 7163 1920	420 x 150 x 250	1	2600	**1065.57**

909/1

Geanta pentru electricieni

- *material: piele artificiala 650g, separatoare port scule*
- *incuietori, inele, nituri, bucla, buton protector realizate din metal, cromat.*
- *numar de buzunare: 11*



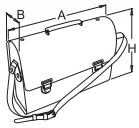
	A	B	H				
602552	350	110	300	1542	1F	1	**447.54**

909PES

Geanta textila pentru electricieni

- *material : poliester*
- *incuietori, inele, nituri, bucla, buton protector realizate din metal, cromat.*
- *numar de buzunare: 28*





	A	B	H				
624057	420	140	320	2400	1F	1	**640.82**

7909/3

Geanta textila pentru scule

- *suficient de lunga pentru transportarea panzelor de bomfaier si a nivelelor, avand spatiu si buzunare si pentru alte scule*
- *realizata din nylon Heavy-Duty*
- *constructie robusta, rezistenta la uzura*
- *14 buzunare exterioare, 4 din plasa*
- *8 buzunare interioare*
- *curea de umar ajustabila*
- *maner captusit pentru confort sporit*
- *tija metalica pe toata lungimea deschiderii ce permite acesul facil la continutul gentii*



KRONUS

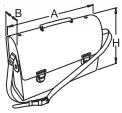
	A	B	H		
900637	460	250	270	1	**390.36**

909/1PES

Geanta textila pentru electricieni

- *material : poliester*
- *incuietori, inele, nituri, bucla, buton protector realizate din metal, cromat.*
- *numar de buzunare: 11*





UNIOR

	A	B	H				
624058	350	110	300	1540	1F	1	**441.31**

7909/1

Geanta textila pentru scule

- *conceputa pentru a proteja uneltele*
- *realizata din nylon Heavy-Duty*
- *constructie robusta, rezistenta la uzura*
- *8 buzunare exterioare, 3 cu capac cu velcro*
- *8 buzunare interioare*
- *este la fel de rezistenta ca o cutie de scule, dar are greutate mica si este usor de transportat*
- *5 suporturi din plastic impermeabil pentru protectie impotriva umezelii si murdariei*
- *curea de umar ajustabila*
- *curea de umar si maner captusite pentru confort sporit*
- *tija metalica pe toata lungimea deschiderii ce permite acesul facil la continutul gentii*



KRONUS

	A	B	H				
900635	510	320	375		1F	1	**382.41**

1112

Geanta textila

- *material: tesatura de poliester*
- *inchidere cu fermoar*
- *dimensiuni: L510 x W280 x H310 mm / volumul 28l*
- *2 manere solide cu prindere umplută, bretele detașabile și reglabile cu tampon de cauciuc glisant*
- *protecție inferioară exterioară cu 6 picioare de cauciuc*
- *6 buzunare interne pentru depozitarea uneltelor*
- *10 buzunare exterioare pentru scule pentru o mai bună organizare a sculelor*
- *2 buzunare exterioare pentru scule cu fixare Velcro*



UNIOR

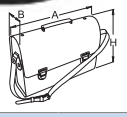
	L	B	H				
628162	510	280	310	1604	1V	1	**287.87**

909

Geanta pentru electricieni

- *material: piele artificiala 650g, separatoare port scule*
- *incuietori, inele, nituri, bucla, buton protector realizate din metal, cromat.*
- *numar de buzunare: 28*





UNIOR

	A	B	H				
601939	420	140	320	2400	1F	1	**631.31**

7909/2

Geanta textila pentru scule

- *mica, usoara si robusta, cu fermoar pentru siguranta*
- *realizata din nylon Heavy-Duty*
- *constructie robusta, rezistenta la uzura*
- *6 buzunare mari cu velcro*
- *6 buzunare mari in interior*
- *12 buzunare mici in interior si 1 despartitor central in interior*
- *deschiderea foarte larga asigura acces usor la toate sculele*
- *curea de umar ajustabila, maner captusit pentru confort sporit*
- *tija metalica pe toata lungimea deschiderii ce permite acesul facil la continutul gentii*



KRONUS

	A	B	H				
900636	380	200	250		1F	1	**321.13**

1113

Geanta textila cu roti

- *material: tesatura de poliester*
- *inchidere cu fermoar*
- *dimensiuni: L460 x W270 x H400 mm / volum 25l*
- *geantă de scule mobile cu mâner telescopic ușor de utilizat*
- *2 mânere solide cu prindere captusita*
- *aparatori din material ABS*
- *despartitor dublu detașabil cu 40 de buzunare cu scule velcro*
- *4 buzunare interne și buclă elastică pentru depozitarea uneltelor*
- *8 buzunare exterioare pentru o mai bună organizare a sculelor, 3 dintre ele cu închidere cu fermoar*



UNIOR

	L	B	H				
628163	460	270	400	4525	1V	1	**622.95**

PBZ.01 NOU

Geanta textila pentru scule 14H

- *baza din plastic impermeabila*
- *tesatura durabila 610 deni*
- *utilizare de lunga durata cu textura dubla de tesatura*
- *design ergonomic*
- *curea de umar reglabila*
- *cu multe compartimente in interior si in exterior pentru organizarea sculelor*
- *dimensiune: 180 x 360 x 280 mm*



PORT-BAG

	Lmm	Lmm	hmm		
PBZ.01	180	360	280	780	214.63

PBZ.02 NOU

Geanta textila rectangulara pentru scule

- *baza din plastic impermeabila*
- *tesatura durabila 610 deni*
- *utilizare de lunga durata cu textura dubla*
- *acces facil la unelte cu capac dreptunghiular*
- *design ergonomic*
- *curea de umar reglabila*
- *cu mai multe compartimente in interior si in exterior, organizare excelenta a sculelor*
- *dimensiuni: 220 x 360 x 330 mm*



PORT-BAG

	Lmm	Lmm	hmm		
PBZ.02	220	360	330	1400	417.36

PBZ.05 NOU

Vesta textila universala

- *fara transpiratie fatoritaa structurii sale de plasă*
- *dimensiune standard - potrivit pentru toate marimile, de la dimensiunea mica pana la dimensiunea XXL, datorita structurii reglabile*
- *mai multe buzunare pentru scule*
- *buzunare puternice cu tesatura de 660 de deni*
- *vizibila pentru lucrari pe timp de noapte datorita benzilor reflectorivanta*



PORT-BAG

	Lmm	Lmm	hmm		
PBZ.05	-	-	-	920	812.86

PBZ.04 NOU

Geanta textila pentru centura

- *630 de deni*
- *3 buzunare*
- *1 fermoar – 1 deschis – 1 buzunar inchis*
- *potrivit pentru curele de toate marimile prin fanta sa larga*
- *dimensiune: 15 x 235 x 180 mm*



PORT-BAG

	Lmm	Lmm	hmm		
PBZ.04	15	235	180	140	118.73

PBZ.03 NOU

Rucsac textil pentru scule

- *aaza din plastic impermeabila*
- *tesatura durabila de 1900 de deni*
- *utilizare de lunga durata cu textura dubla*
- *compartiment pentru scule detasabil*
- *compartiment pentru laptop*
- *design ergonomic*
- *curea de umar reglabila*
- *maner moale cu banda reflectorizanta*
- *dimensiuni: 180 x 360 x 465 mm*



PORT-BAG

	Lmm	Lmm	hmm		
PBZ.03	15	235	180	2080	667.67



900463

Suport textil cu 12 buzunare pentru scule

- *material: textil*



KRONUS

	A	B	H		
900463	470	10	280	80	15.38

71023

Centura din piele pentru scule

- *material: piele bovina*
- *2 buzunare mari pentru cuie*
- *6 buzunare mici pentru scule*
- *2 agatatori din piele pentru ciocane*
- *1 agatatoare metalica pentru ruleta*
- *capse pentru rezistenta sporita*



KRONUS

	A	B	H		
71023	200	40	210	1	38.32

71024

Centura din piele pentru scule

- *material: piele bovina*
- *4 buzunare mari pentru cuie*
- *6 buzunare mici pentru scule*
- *2 agatatori din piele pentru ciocane*
- *1 agatatoare metalica pentru ruleta*
- *1 buzunar tip teaca*
- *capse pentru rezistenta sporita*



KRONUS

	A	B	H		
71024	540	40	210	1	59.50

71023T

Centura textila pentru scule

- *doua buzunare pentru cuie si port scule*
- *realizata din nylon Heavy-Duty*
- *potrivita pentru aplicatii de bricolaj*
- *locas larg pentru centura*



KRONUS

	A	B	H		
900835	200	40	210	1	68.91

900462

Suport din piele cu doua buzunare pentru dulgher

- *material: piele bovina*
- *centura textila*
- *capse pentru rezistenta sporita*



KRONUS

	A	B	H		
900462	600	260	400	1	30.00

900460

Suport din piele cu carlig pivotant pentru ciocan

- *material: piele bovina*
- *inel metalic nichelat*



KRONUS

	A	B	H		
900460	105	70	140	1	14.11

900461

Suport din piele cu carlig fix pentru ciocan

- *material: piele bovina*
- *inel metalic nichelat*



KRONUS

	A	B	H		
900461	105	60	140	1	12.57

900459

Suport din piele pentru ruleta

- *material: piele bovina*
- *capse pentru rezistenta sporita*



KRONUS

	A	B	H		
900459	130	65	190	1	20.51

917A

Cutie din plastic

- *material: polipropilena*
- *cu tava de scule detasabila in interiorul cutiei*
- *capacul contine două compartimente de dimensiunea L108 x B200 x H35 mm acoperite cu capac din plastic*
- *inchiderea cu clemă de plastic*
- *cutia poate fi blocata cu lacat*



UNIOR

	№	A	B	H				
619765	A	514	280	260	1930	1F	1	236.56

917C

Cutie din plastic

- *material: polipropilena*
- *cu tava de scule detasabila in interiorul cutiei*
- *capacul contine două compartimente de dimensiunea L108 x B200 x H35 mm acoperite cu capac din plastic*
- *inchiderea cu clemă de plastic*
- *cutia poate fi blocata cu lacat*



UNIOR

	№	A	B	H				
619767	C	394	215	195	920	1F	1	128.69

C.P. 01

Cutie din plastic cu sertar pentru scule "COMPACTO" 16"

- *sertar interior compartimentat*
- *catarame din plastic*
- *suport surubelnite*



suport pentru surubelnite

PORT-BAG

	A	B	H			
C.P. 01	270	380	220	2060	1	172.35



- organizator cu capace separate
- inele pentru incuietoare
- suport burghie (19" si 22")
- balamale ce permit rabatarea completa a capacului
- mod ambalare economic

EKONO

P.E. 01

Cutie plastic cu organizator "EKONO" 13"

- organizator cu 3 capace separate
- inele pentru incuiere
- balamale ce permit rabatarea completa a capacului



PORT-BAG

	A	B	H			
P.E. 01	130	320	160	497	18	29.60

P.E. 02

Cutie plastic cu organizator "EKONO" 16"

- organizator cu 3 capace separate
- inele pentru incuiere
- balamale ce permit rabatarea completa a capacului



PORT-BAG

	A	B	H			
P.E. 02	175	400	200	957	18	53.06

P.E. 03

Cutie plastic cu organizator "EKONO" 19"

- organizator cu 3 capace separate
- inele pentru incuiere
- balamale ce permit rabatarea completa a capacului



suport 8 burghie

PORT-BAG

	A	B	H			
P.E. 03	230	480	255	1509	10	79.46

P.E. 04

Cutie plastic cu organizator "EKONO" 22"

- organizator cu 3 capace separate
- inele pentru incuiere
- balamale ce permit rabatarea completa a capacului



suport 8 burghie



PORT-BAG

	A	B	H			
P.E. 04	265	555	295	2296	8	113.71





P.O. 06

Cutie plastic cu organizator "MAESTRO" 13"

- organizator cu capac transparent
- inele pentru incuiere



PORT-BAG

	A	B	H			
P.O. 06	135	320	150	498	12	27.69

P.O. 07

Cutie plastic cu organizator "MAESTRO" 16"

- organizator cu capac transparent
- inele pentru incuiere



PORT-BAG

	A	B	H			
P.O. 07	180	410	200	967	12	49.32

P.O. 05

Cutie plastic cu organizator "MAESTRO" 19"

- organizator cu capac transparent
- inele pentru incuiere



PORT-BAG

	A	B	H			
P.O. 05	230	480	230	1570	9	75.35

P.O. 08

Cutie plastic cu organizator "MAESTRO" 22"

- capac fara organizator
- inele pentru incuiere



PORT-BAG

	A	B	H			
P.O. 08	265	555	290	2296	6	115.10

ECO STRONGO 01 NOU

Cutie din plastic 210x395x177 mm cu catarame metalice

• *corpul si capacul cutiei; cu ajutorul aditivilor combinati la materia prima reciclata; corpul si capacul sunt mai durabile*
• *in timp ce manerul este in pozitie verticala; manerul blocheaza corpul pe capac si evita deschiderea chiar daca incuietorile principale sunt deschise*
• *exista un capac transparent pe tava care ofera un avantaj de a folosi tava ca organizator separat*
• *noul sistem de blocare; prindere suplimentara cu blocare mai puternica si slot de blocare*
• *corp: PP homopolimer (negru)*
• *capac: PP homopolimer (negru)*
• *maner: PP homopolimer (galben)*
• *sertar: PP homopolimer (negru)*
• *capac sertar: PP (transparent)*
• *sistem blocare: metal*



PORT-BAG

	Lmm	Lmm	hmm		
SE. 01	210	395	177	-	64.48

ECO STRONGO 02 NOU

Cutie din plastic 233x458x247 mm cu catarame metalice

• *corpul si capacul cutiei; cu ajutorul aditivilor combinati la materia prima reciclata; corpul si capacul sunt mai durabile*
• *in timp ce manerul este in pozitie verticala; manerul blocheaza corpul pe capac si evita deschiderea chiar daca incuietorile principale sunt deschise*
• *exista un capac transparent pe tava care ofera un avantaj de a folosi tava ca organizator separat*
• *noul sistem de blocare; prindere suplimentara cu blocare mai puternica si slot de blocare*
• *corp: PP homopolimer (negru)*
• *capac: PP homopolimer (negru)*
• *maner: PP homopolimer (galben)*
• *sertar: PP homopolimer (negru)*
• *capac sertar: PP (transparent)*
• *sistem blocare: metal*





PORT-BAG

	Lmm	Lmm	hmm		
SE. 02	233	458	247	-	98.41

ECO STRONGO 03 NOU

Cutie din plastic 276x535x267 mm cu catarame metalice

• *corpul si capacul cutiei; cu ajutorul aditivilor combinati la materia prima reciclata; corpul si capacul sunt mai durabile*
• *in timp ce manerul este in pozitie verticala; manerul blocheaza corpul pe capac si evita deschiderea chiar daca incuietorile principale sunt deschise*
• *exista un capac transparent pe tava care ofera un avantaj de a folosi tava ca organizator separat*
• *noul sistem de blocare; prindere suplimentara cu blocare mai puternica si slot de blocare*
• *corp: PP homopolimer (negru)*
• *capac: PP homopolimer (negru)*
• *maner: PP homopolimer (galben)*
• *sertar: PP homopolimer (negru)*
• *capac sertar: PP (transparent)*
• *sistem blocare: metal*





PORT-BAG

	Lmm	Lmm	hmm		
SE. 03	276	535	267	-	148.93

ECO META 03 NOU

Cutie din plastic 276x535x267 mm cu catarame metalice

• *corpul si capacul cutiei; cu ajutorul aditivilor combinati la materia prima reciclata; corpul si capacul sunt mai durabile*
• *noul sistem de blocare; prindere suplimentara cu blocare mai puternica si slot de blocare*
• *corp: PP homopolimer (negru)*
• *capac: PP homopolimer (transparent)*
• *maner: PP homopolimer (galben)*
• *sertar: PP homopolimer (negru)*
• *sistem blocare: metal*





PORT-BAG

	Lmm	Lmm	hmm		
ME. 03	276	535	267	-	89.55

ECO META 04 NOU

Cutie din plastic 295x555x265 mm cu catarame metalice

• *corpul si capacul cutiei; cu ajutorul aditivilor combinati la materia prima reciclata; corpul si capacul sunt mai durabile*
• *noul sistem de blocare; prindere suplimentara cu blocare mai puternica si slot de blocare*
• *corp: PP homopolimer (negru)*
• *capac: PP homopolimer (transparent)*
• *maner: PP homopolimer (galben)*
• *sertar: PP homopolimer (negru)*
• *sistem blocare: metal*









PORT-BAG

	Lmm	Lmm	hmm		
ME. 04	295	555	265	-	131.02

P.O. 09M

Cutie plastic mobila 24"

- organizator cu capac transparent
- inele pentru incuiere
- roti pentru transport
- maner rabatabil



PORT-BAG

	A	B	H			
P.O. 09M	600	320	340	4015	12	237.54

P.O. 10M

Cutie plastic mobila dubla 18"



Maner rabatabil si doua roti pentru transport facil

suport interior detasabil

compartiment superior cu organizator

compartiment inferior incapator

PORT-BAG

	A	B	H			
P.O. 10M	450	585	270	3622	1	204.96

P.M. 01

Cutie plastic pentru scule electrice



PORT-BAG

	A	B	H			
P.M. 01	405	140	300	980	12	44.11

P.M. 02

Organizator plastic pentru scule electrice

- organizator cu 3 capace separate
- inele pentru incuiere
- suport pentru burghie



PORT-BAG

	A	B	H			
P.M. 02	405	155	300	1177	12	59.72

T.K. 50

Cutie plastic pentru uz general

- inele pentru incuiere
- catarame din plastic



PORT-BAG

	A	B	H			
T.K. 50	224	70	210	276	8	14.53

T.K. 70

Cutie plastic pentru uz general

- inele pentru incuiere
- catarame din plastic



PORT-BAG

	A	B	H			
T.K. 70	330	80	270	490	6	22.74

T.K. 100

Cutie plastic pentru uz general

- inele pentru incuiere
- catarame din plastic



PORT-BAG

	A	B	H			
T.K. 100	500	110	350	1202	5	55.43

981PBS1

Cutie de plastic pentru capete chei tubulare, chei

- capac transparent mat
- catarame din plastic



UNIOR

	A	B	H			
621620	197	167	35	140	1	48.85

981PBM1

Cutie de plastic pentru capete chei tubulare, chei

- capac transparent mat
- catarame din plastic



UNIOR

	A	B	H			
619768	197	167	47	152	1	48.85

981PBS2

Cutie de plastic pentru capete chei tubulare, chei

- capac transparent mat
- catarame din plastic



UNIOR

	A	B	H			
621621	307	260	55	152	1	113.11

981PBM2

Cutie de plastic pentru capete chei tubulare, chei

- *capac transparent mat*
- *catarame din plastic*



UNIOR

	A	B	H			
619769	307	260	74	420	1	114.26

981PBS5

Cutie de plastic pentru capete chei tubulare, chei

- *capac transparent mat*
- *catarame din plastic*



UNIOR

	A	B	H			
621618	244	207	44	290	1	107.38

O.R. 06

Cutie organizator 1/8

- *material polipropilena*
- *capac transparent*



PORT-BAG

	A	B	H			
O.R. 06	165	35	140	112	54	9.96

981PBS3

Cutie de plastic pentru capete chei tubulare, chei

- *capac transparent mat*
- *catarame din plastic*



UNIOR

	A	B	H			
621622	346	292	62	510	1	133.77

981PBM5

Cutie de plastic pentru capete chei tubulare, chei

- *capac transparent mat*
- *catarame din plastic*



UNIOR

	A	B	H			
621619	244	207	59	340	1	107.38

O.R. 07

Cutie organizator 2/12

- *material polipropilena*
- *capac transparent*



PORT-BAG

	A	B	H			
O.R. 07	265	40	155	217	40	16.24

981PBM3

Cutie de plastic pentru capete chei tubulare, chei

- *capac transparent mat*
- *catarame din plastic*



UNIOR

	A	B	H			
619770	346	292	83	568	1	133.7

982PB2

Cutie de plastic mica pentru biti

- *capac transparent*
- *catarama din plastic*



UNIOR

	A	B	H			
621426	145	85	40	92	1	23.28

P.P. 04

Cutie plastic "POLY" 31/16

- *material polipropilena*
- *capac transparent*
- *partitionare variabila*



PORT-BAG

	A	B	H			
P.P. 04	300	54	255	548	18	43.28

981PB4

Cutie de plastic pentru capete chei tubulare, chei

- *capac mat*
- *catarame din plastic*



UNIOR

	A	B	H			
619771	393	331	95	771	1	262.13



MAX POLY 32 NOU

Organizator stivuibil 330x270x60 mm cu capac transparent si separatoare demontabile

• puteti face mai multe combinatii pentru a depozita lucrurile mici cu separatoare usor demontabile
• noua serie de organizatoare Poly Max sunt perfecte pentru a transporta piese mici precum elemente de fixare, suruburi, cuie, piulite, suruburi, unelte de pescuit etc.
• capacul transparent va ajuta sa vedeti si sa va controlati produsele in mod clar si usor
• usor de transportat, organizatoarele Poly Max au maner ergonomic
• transportati produsele in siguranta datorita sistemului dublu de blocare
• corp: PP homopolimer (negru)
• capac: PP (transparent)
• separator: PP homopolimer (rosu)
• sistem blocare: PP homopolimer (rosu)









PORT-BAG

	Lmm	Lmm	hmm		
PX. 01	330	270	60	507	32.99

MAX POLY 38 NOU

Organizator stivuibil 389x310x67 mm cu capac transparent si separatoare demontabile

• puteti face mai multe combinatii pentru a depozita lucrurile mici cu separatoare usor demontabile
• noua serie de organizatoare Poly Max sunt perfecte pentru a transporta piese mici precum elemente de fixare, suruburi, cuie, piulite, suruburi, unelte de pescuit etc.
• capacul transparent va ajuta sa vedeti si sa va controlati produsele in mod clar si usor
• usor de transportat, organizatoarele Poly Max au maner ergonomic
• transportati produsele in siguranta datorita sistemului dublu de blocare
• corp: PP homopolimer (negru)
• capac: PP (transparent)
• separator: PP homopolimer (rosu)
• sistem blocare: PP homopolimer (rosu)



PORT-BAG

	Lmm	Lmm	hmm		
PX. 02	389	310	67	760	42.25

MAX POLY 48 NOU

Organizator stivuibil 470x373x80 mm cu capac transparent si separatoare demontabile

• puteti face mai multe combinatii pentru a depozita lucrurile mici cu separatoare usor demontabile
• noua serie de organizatoare Poly Max sunt perfecte pentru a transporta piese mici precum elemente de fixare, suruburi, cuie, piulite, suruburi, unelte de pescuit etc.
• capacul transparent va ajuta sa vedeti si sa va controlati produsele in mod clar si usor
• usor de transportat, organizatoarele Poly Max au maner ergonomic
• transportati produsele in siguranta datorita sistemului dublu de blocare
• corp: PP homopolimer (negru)
• capac: PP (transparent)
• separator: PP homopolimer (rosu)
• sistem blocare: PP homopolimer (rosu)



PORT-BAG

	Lmm	Lmm	hmm		
PX. 03	470	373	80	1243	74.47

MAX POLY DOUBLE ORGANIZER NOU

Organizator dublu 320x270x60 mm cu capac transparent si separatoare demontabile

• puteti face mai multe combinatii pentru a depozita lucrurile mici cu separatoare usor demontabile
• noua serie de organizatoare Poly Max sunt perfecte pentru a transporta piese mici precum elemente de fixare, suruburi, cuie, piulite, suruburi, unelte de pescuit etc.
• intr-un singur Organizator puteti folosi 2 parti pentru a va depozita lucrurile mici.
• capacul transparent va ajuta sa vedeti si sa va controlati produsele in mod clar si usor
• usor de transportat, organizatoarele Poly Max au maner ergonomic
• transportati produsele in siguranta datorita sistemului dublu de blocare
• corp: PP homopolimer (negru)
• capac: PP (transparent)
• separator: PP homopolimer (rosu)
• sistem blocare: PP homopolimer (rosu)











PORT-BAG

	Lmm	Lmm	hmm		
PX. DB	320	270	60	777	54.67

P.P. 05

Cutie plastic "POLY" 41/24

- *material polipropilena*
- *capac transparent*
- *partitionare variabila*



PORT-BAG

	A	B	H			
P.P. 05	400	58	370	1222	12	88.52

P.L. 01

Cutie plastic cu sertare 3/11

- *material polipropilena*
- *sertare transparent*



PORT-BAG

	A	B	H			
P.L. 01	315	210	140	1083	8	71.24

P.L. 02

Cutie plastic cu sertare 4/19

- *material polipropilena*
- *sertare transparent*



PORT-BAG

	A	B	H			
P.L. 02	315	270	140	1383	8	93.98

P.L.03

Cutie plastic cu sertare 5/27

- *material polipropilena*
- *sertare transparent*



PORT-BAG

	A	B	H			
P.L. 03	315	325	140	1683	8	116.44

P.L.04

Cutie plastic cu sertare 6/29

- *material polipropilena*
- *sertare transparent*



PORT-BAG

	A	B	H			
P.L. 04	315	385	140	1939	4	135.62

P.L. 05

Cutie plastic cu sertare 7/43

- *material polipropilena*
- *sertare transparente*



PORT-BAG

	A	B	H			
P.L. 05	315	445	140	2283	4	161.67

P.L. 06

Cutie plastic cu sertare 9/46

- *material polipropilena*
- *sertare transparente*



PORT-BAG

	A	B	H			
P.L. 06	315	565	140	2779	4	195.92



Module din plastic cu depozitare ergonomica



mod stivuire pentru depozitare *mod stivuire pentru transport*

S.C. 02

Modul plastic stivuibil

- *material: polipropilena*
- *potrivite si pentru industria alimentara*



PORT-BAG Stoc curent Cu precomanda

	A	B	H			
S.C. 02N (negru)	102	106	71	61	24	3.51
S.C. 02R (rosu)	102	106	71	61	24	5.51
S.C. 02B (albastru)	102	106	71	61	24	5.51

S.C. 03

Modul plastic stivuibil

- *material: polipropilena*
- *potrivite si pentru industria alimentara*



PORT-BAG Stoc curent Cu precomanda

	A	B	H			
S.C. 03N (negru)	150	238	128	204	24	9.30
S.C. 03R (rosu)	150	238	128	204	24	16.07
S.C. 03B (albastru)	150	238	128	204	24	16.07

S.C. 04

Modul plastic stivuibil

- *material: polipropilena*
- *potrivite si pentru industria alimentara*



PORT-BAG Stoc curent Cu precomanda

	A	B	H			
S.C. 04N (negru)	215	343	152	411	24	19.83
S.C. 04R (rosu)	215	343	152	411	24	33.13
S.C. 04B (albastru)	215	343	152	411	24	33.13

S.C. 05

Modul plastic stivuibil

- *material: polipropilena*
- *potrivite si pentru industria alimentara*



PORT-BAG Stoc curent Cu precomanda

	A	B	H			
S.C. 05N (negru)	304	458	178	883	8	38.88
S.C. 05R (rosu)	304	458	178	883	8	62.25
S.C. 05B (albastru)	304	458	178	883	8	62.25

CMU 10

Organizator rotativ 72 module



48 x P.C. 010 24 x P.C. 011



PORT-BAG Cu precomanda

	A	B	H			
CMU 10	510	110	435	20560	1	3280.33

A.D. 02

Organizator 84 module



84 x P.A.02



PORT-BAG Cu precomanda

	A	B	H			
A.D. 02	700	1600	260	31550	1	5165.20

A.D. 03

Organizator 40 module



40 x P.A.03



PORT-BAG Cu precomanda

	A	B	H			
A.D. 03	700	1600	260	34720	1	5069.21

A.D. 04

Organizator 32 module



32 x P.A.04



PORT-BAG Cu precomanda

	A	B	H			
A.D. 04	900	1600	400	60520	1	5836.42

K.A.D. 01

Organizator cu usi 119 module



42 x P.C. 010



24 x P.C. 011



9 x P.C. 012



18 x P.C. 013



14 x P.C. 014



12 x P.A. 04



PORT-BAG Cu precomanda

	A	B	H			
K.A.D. 01	900	1600	400	81900	1	7535.30

K.A.D. 02

Organizator cu usi 84 module



84 x P.A.02



PORT-BAG Cu precomanda

	A	B	H			
K.A.D. 02	700	1600	260	81900	1	5542.62

K.A.D. 03

Organizator cu usi 40 module



40 x P.A.03



PORT-BAG Cu precomanda

	A	B	H			
K.A.D. 03	700	1600	260	59720	1	5617.23

K.A.D. 04

Organizator cu usi 32 module



32 x P.A.04



PORT-BAG Cu precomanda

	A	B	H			
K.A.D. 04	900	1600	400	75520	1	7261.29

C.D. 11

Organizator de perete 216 module



216 x P.C. 011



PORT-BAG

Cu precomanda

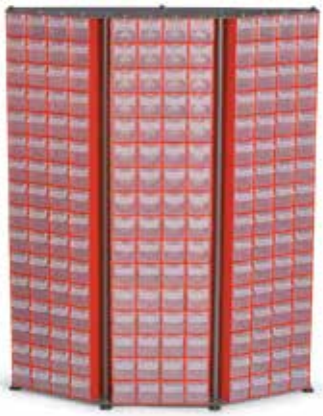
	A	B	H			
C.D. 11	1420	315	1090	55130	1	6108.19

C.D. 13

Organizator de perete 192 module



192 x P.C. 013



PORT-BAG

Cu precomanda

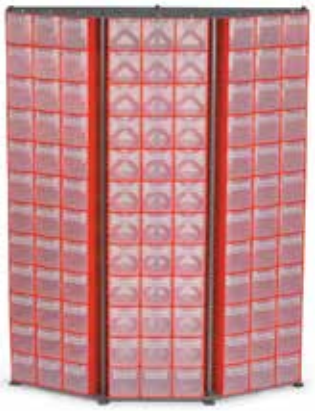
	A	B	H			
C.D. 13	1430	315	1090	57230	1	6176.06

C.D. 14

Organizator de perete 108 module



108 x P.C. 014



PORT-BAG

Cu precomanda

	A	B	H			
C.D. 14	1440	315	1090	54310	1	5746.22

CKM. 30

Organizator mobil 432 module



432 x P.C. 011



PORT-BAG

Cu precomanda

	A	B	H			
CKM. 30	1520	970	840	114900	1	10412.41

CKM. 40

Organizator mobil 384 module



384 x P.C. 013



PORT-BAG

Cu precomanda

	A	B	H			
CKM. 40	1540	1010	880	119110	1	10686.41

CKM. 50

Organizator mobil 216 module



216 x P.C. 014



PORT-BAG

Cu precomanda

	A	B	H			
CKM. 50	1560	1010	880	111900	1	9699.98

DP.01

Suport de perete cu accesorii pentru scule

suport de perete: 2 bucati (420x590x20 mm)
module mici: 16 bucati (115x100x74 mm)
module medii: 8 bucati (165x100x74 mm)
module mari: 4 bucati (210x100x74 mm)
carlige: 10 bucati (50x10x20 mm)
suport scule: 1 bucata (210x95x43 mm)
suport burghie/biti: 1 (165x50x27 mm)
suport chei: 1 pereche (215x65x28 mm)
suruburi + dibluri: 20 bucati







PORT-BAG

	A	B	H			
DP.01	590	840	20	2674	1094	1	270.97

MODULO



Volumul interior mare

Puteti pastra unelte etc. organizate in fiecare modul mare volum si stivui module separate pentru un spatiul de stocare mobil. Cutiile Modules pot fi transportate pe caruciorul optional cu 4 roti dintre care 2 cu frana si sistem de blocare.

Modular

Seria Modulo include dimensiuni mici si medii, precum si accesorii suplimentare. Modulele au dimensiuni compatibile cu acestea, stivuibile si dimensiuni sunt interschimbabile.

Robuste / Rezistente

Cutiile Modulo sunt confectionate din plastic cu rezistenta mare de impact pentru a organiza si transporta sarcini mari.

Sistem special de blocare

Seria de cutii modulare Modulo are un sistem special de blocare care va permite sa va personalizati sistemul in functie de necesitati.



MD-S

Cutie Modulo mica MODULO

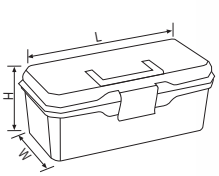
PP

- *corp gri: PP, copolimer*
- *capac gri: PP, copolimer*
- *maner galben: ABS*
- *catarame galbene: ABS*





carucior optional





MODULO

PORT-BAG

	L	H	W			
MD-S	468	148	338	1680	4	180.38

MD-M

Cutie Modulo medie MODULO

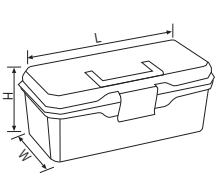
PP

- *corp gri: PP, copolimer*
- *capac gri: PP, copolimer*
- *maner galben: ABS*
- *catarame galbene: ABS*





carucior optional





MODULO

PORT-BAG

	L	H	W			
MD-M	468	215	338	2020	2	229.76

MD-L

Cutie Modulo mare MODULO

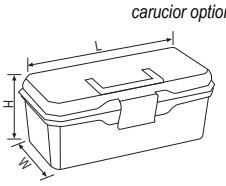
PP

- *corp gri: PP, copolimer*
- *capac gri: PP, copolimer*
- *maner galben: ABS*
- *catarame galbene: ABS*





carucior optional





MODULO

PORT-BAG

	L	H	W			
MD-L	468	375	338	2800	1	319.95

MD - TOOL HOLDER

Suport scule sistem MODULO

- *pot fi folosite cu toate cutiile din seria Modulo*
- *elementele de fixare sunt incluse in pachetul de livrare (5 suruburi)*







MODULO

PORT-BAG

	L	H	W			
PBM -TH	285	10	385	210	-	**69.16**

MD - ORGANIZER HOLDER

Suport scule sistem MODULO L

- *va ajuta sa va organizati sculele de mana folosite frecvent*
- *potrivit numai pentru cutia mare Modulo*









MODULO

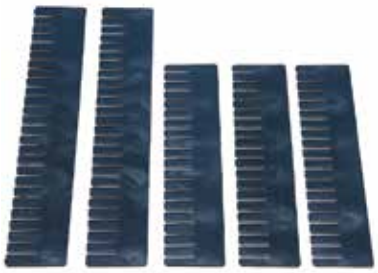
PORT-BAG

	L	H	W			
-	310	5	285	235	-	**92.38**

MD - SEPERATOR

Divizoare pentru cutii sistem MODULO

- *setul de livrare contine 5 divizoare: 2 lungi si 2 scurte*
- *permite partitionarea cutiei in diverse spatii*



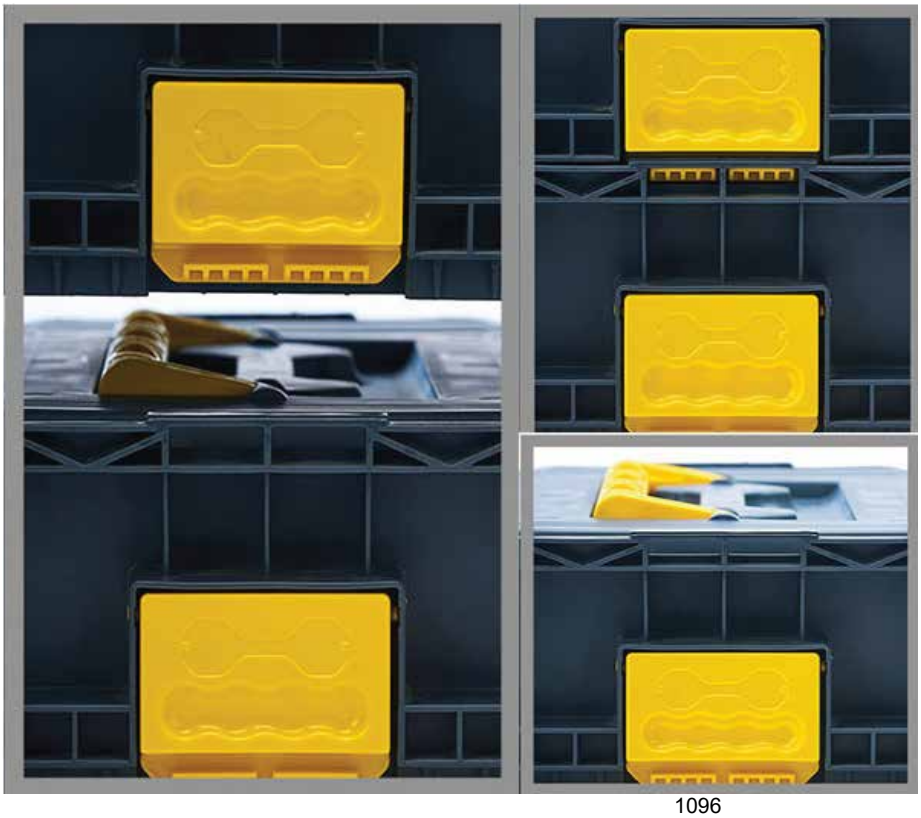
MODULO



PORT-BAG

	L	H	W			
PBM-SP	445	130	338	3430	1	**14.92**

Sistem special de blocare



MD- TRAY WITH WHEELS

Carucior metalic cu roti sistem MODULO

- *poate fi folosit cu toate cutiile din seria Modulo*
- *demontabil*
- *elementele de fixare sunt incluse in pachetul de livrare*
- *2 roti care pot fi blocate si 2 roti normale*
- *permite mobilitatea ansamblului Modulo*



MODULO

PORT-BAG

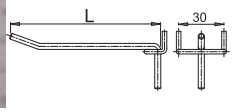
	L	H	W			
PBW1	445	130	338	3430	1	**487.34**

997.1

Set 10 carlige pentru panouri

- *pentru expunere pe dulap, panou de expozitor si bancuri de lucru*
- *este posibila fixarea carligelor intr-o pozitie ceruta*
- *cromate*





UNIOR

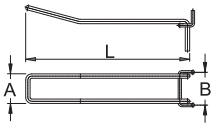
	L	D				
609478	35	4	20	V	10	40.98
609479	50	4	21	V	10	42.46
609480	80	4	15	V	10	45.08
609447	100	4	16	V	10	46.39
610559	150	5	30	V	10	66.39
610560	200	5	37	V	10	75.90

997.4

Set 10 carlige duble pentru panouri

- *pentru expunere pe dulap, panou de expozitor si bancuri de lucru*
- *este posibila fixarea carligelor intr-o pozitie ceruta*
- *cromate*





UNIOR

	L	A	B				
623346	150	27	30	41	1X	1	66.39
623347	200	27	30	51	1X	1	75.90
623348	250	27	30	61	1X	1	80.66
623349	300	27	30	71	1X	1	85.41

976A

Panou pe picioare proprii

- *panoul este destinat in special pentru ateliere si magazine de mici dimensiuni*
- *dimensiuni 700x700mm*



UNIOR

	A	B	C	H				
621912	612	290	170	707	5488	1K	1	509.60



1863

Suport universal de protectie

- *material: spuma de polietilena de densitate scazuta*





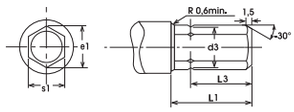
UNIOR

	L	B	H				
621982	500	219	30	95	1K	1	53.61

C 6.3

s1	s1	d3	e1	e1	L1	L3	r	inch
6,350	6,292	6,7	7,18	7,11	11,0	8,2	0,3	1/4"

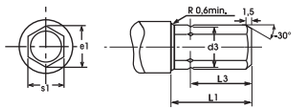




C 8

s1	s1	d3	e1	e1	L1	L3	r	inch
7,930	7,872	8,2	8,96	8,90	13,5	10,2	0,3	5/16"

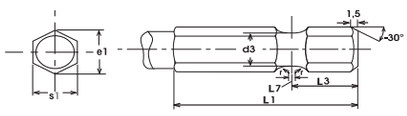




E6.3

s1	s1	d3	e1	e1	L1	L3	L7	r	inch
6,350	6,292	4,7	7,18	7,11	25,0	9,5	1,0	2,4	1/4"





SURUBURI CU AMPRENTA PHILLIPS SI POZIDRIV

	Suruburi metrice			Suruburi			Suruburi lemn		
	Cap frezat	Cap mombat	Cilindric	Cilindric	Cap frezat	Cap mombat	Cilindric	Cap rotund	Cap mombat
PHILLIPS	+	+	+	+	+	+	+	+	+
POZIDRIV	+	+	+	+	+	+	+	+	+
Cuplu minim									
DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN
5263	5263	965	966	7985	7981	7982	7983	7995	7996	7997
Dimensiune Nm	Nm									
+	+			M	M	M	T	T	T	W	W	W
0	0	1	1	1,6 2	1,6 2	1,6 1,8				2	2	2
1	1	3,5	3,9	2,5 3	2,5 3	2 3	2,2 2,9	2,2 2,9	2,2 2,9	2,5 3	2,5 3	2,5 3
2	2	8,2	10,3	3,5 5	3,5 5	3,5 5	3,5 4,8	3,5 4,8	3,5 4,8	3,5 5	3,5 5	3,5 5
3	3	19,5	32	6	6	6	5,5 6,3	5,5 6,3	5,5 6,3	5,5 7	5,5 7	5,5 7
4	4	38	88,7	8 10	8 10	8 10				8	8	8

INDEX

Cap frezat	Surub de cap
Cap mombat	Surub cu cap oval
Capac	suruburi
Cilindric	Suruburi cilindrice
suruburi fara cap	suruburi fara cap
Nituri	nituri hexagonale

SURUBURI CU FANTA

		Suruburi metrice												Suruburi auto filetante						Suruburi lemn		
		Cap frezat		Cap mombat		Capac		Cilindric				suruburi fara cap		Cap frezat		Cap mombat		Cilindric		Cap frezat	Cap mombat	Cap rotund
	Cuplu minim																					
	DIN	DIN	ISO	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN	ISO	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN
	5263	5263	2009	963	2010	964	1207	84	1580	85	920	921	4766 7435	417 427	1482	7972	1483	7973	1481	7971	97	95	96
Dimensiune	Nm	Nm																					
			M	M	M	M	M	M	M	M	M	M	M	M	T	T	T	T	T	T	W	W	W
0,4 x 2,5	0,40		1,6	1,6	1,6	1,6		1,6	1,6		2,5	1,6	3,5	3,5								1,6	2
	-							1,8															
0,5 x 3	0,7	0,8	2	2	2	2		2	2		3-3,5	2	4	4	2,2	2,2	2,2		2,2		2	2	
0,5 x 4	-	1,1							2		3,5	2							2,2				
0,6 x 3,5	1,3	1,4	2,5	2,5	2,5	2,5		2,5	2,5		4	2,5					2,2			2,2	2,5	2,5	2,5
0,6 x 4,5	-	1,8							2,5		4	2,5								2,2			2,5
0,8 x 4	2,6	2,9	3	3	3	3			3	3	5	3	5	5	2,9	2,9	2,9		2,9	2,9	3	3	3
				3,5		3,5						3,5	6	6							3,5	3,5	3,5
0,8 x 5,5	-	3,9		3,5		3,5		3	3	3	5	3						2,9	2,9	2,9			3,5
								3,5				3,5											
1 x 5,5	5,5	6,2	3,5	4	3,5	4	3,5	4	3,5	3,5	6	4			3,5	3,5	3,5		3,5	3,5	4	4	4
																3,9				3,9	4,5	4,5	4,5
1,2 x 6,5	9,4	10,5	4	5	4	5	4	4					8	8	4,2	4,2	4,2	3,5			5	5	5
			5		5										4,8	4,8	4,8	3,9					5,5
1,2 x 8	11,5	12,9					5	5	4	4	8	5						4,2	4,2	4,2	5,5	5,5	
									5	5									4,8	4,8			
1,6 x 8	20,5	22,9	6	6	6	6							10	10	5,5	5,5	5,5	4,8			6	6	6
													12	12	6,3	6,3	6,3						
1,6 x 10	25,6	28,7					6	6	6	6	10	6		14				5,5	5,5	5,5	7	7	
																			6,3	6,3	8		
2 x 12	48,0	53,8	8	8	8	8	8	8	8	8		8		16	8		8	6,3	8			8	7

SURUBURI CU CAP CILINDRIC HEXAGONAL



		Suruburi metrice						
		Capac			Cap frezat	suruburi fara cap		
	Cuplu minim	ISO 4762				ISO 4026 4029	ISO 4027	ISO 4028
	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN
	911	912	6912	7984	7991	913 916	914	915
Dimensiune	Nm							
		M	M	M	M	M	M	M
0,7	0,08					1,4	1,4	1,4
						1,6	1,6	1,6
						1,8	1,8	1,8
0,9	0,18					2	2	2
1,3	0,53	1,4			2,5	2,5	2,5	2,5
1,5	0,82	1,6-2				3	3	3
2	1,9	2,5		3	3	4	4	4
2,5	3,8	3		4	4	5	5	5
3	6,6	4	4	5	5	6	6	6
4	16	5	5	6	6	8	8	8
5	30	6	6	8	8	10	10	10
6	52	8	8		10	12	12	12
						14	14	14
7	78			10				
8	120	10	10	12	12	16	16	16
10	220	12	12	14	14	18	18	18
						20	20	20
12	370	14	14	16	16	22	22	22
				18	18	24	24	24
14	590	16	16	20	20			
		18	18	22	22			
17	1000	20	20	24	24			
		22	22					
19		24	24					
		27	27					
22		30	30					
24		33	33					
27		36	36					
32		42						

SURUBURI CU CAP HEXAGONAL



		Suruburi metrice						Suruburi	
		Suruburi				Nituri		Surub pentru tabla	Surub pentru lemn
	Cuplu minim	ISO 4018	ISO 4016	ISO 4014	ISO 4017	ISO 4035 4036		ISO 1479	
	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN
	899	558	601	931	933	439	934	7976	571
Dimensiune	Nm								
SW		M	M	M	M	MO	MO	T	T
3,5	1,64						1,8		
4	2,37			2	2	2	2		
4,5	3,30				2,3				
5	4,44			2,5	2,5	2,5	2,5	2,9	
5,5	5,80			3	3	3	3	3,5	
6	7,40			3,5	3,5	3,5	3,5		
7	11,4			4	4	4	4	3,9	4
								4,2	
8	16,6	5	5	5	5	5	5	4,8	5
								5,5	
9	23								
10	31	6	6	6	6	6	6	6,3	6
11	40,4			7	7		7		
12	51,5								7
13	64,5	8	8	8	8	8	8	8	8
14	79,4		-	-	-	-	-	-	-
15	96,2		-	-	-	-	-	-	-
16	115	10	10	10	10	10			
17	134	10	10	10	10	10	10		10

SURUBURI TORX





				Suruburi metrice						Suruburi auto filetante		
				Capac	Cap frezat	Cap mombat	Capac	Frezat bombat	Cap frezat	Frezat cilindric	Cap frezat	Cap mombat
		Cuplu minim		DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN	DIN
Torx	mm	Nm	Nm	912	963	964	7984	7985	7986	7981	7972	7973
					965	966	6912				7982	7983
				M	M	M	M	M	M	T	T	T
T 6	1,72	0,75	0,91	**	**	**	**	**	**	**	**	**
T 7	1,99	1,4	1,7	**	**	**	**	**	**	**	**	**
T 8	2,31	2,2	2,6	2,5	2,5	2,5		2,5		2,9	2,9	2,9
T 9	2,50	2,8	3,4							2,9		
T 10	2,74	3,7	4,5	3	3	3	3	3	3	3,5	3,5	3,5
T 15	3,27	6,4	7,7		3,5	3,5		3,5		3,9	3,9	3,9
T 20	3,86	10,5	12,7	4	4	4	4	4	4	4,2	4,2	4,2
T 25	4,43	15,9	19,0	5	5	5	5	5	5	4,8	4,8	4,8
T 27	4,99	22,5	26,9	**	**	**	**	**	**	**	**	**
T 30	5,25	31,1	37,4	6	6	6	6	6	6	6,3	6,3	6,3
T 40	6,65	54,1	65,1	8	8	8	8	8	8			
T 45	7,82	86,2	104	**	**	**	**	**	**	**	**	**
T 50	8,83	132	159	10	10	10	10	10	10			

** Suruburi speciale

DIAMETRU DE FILETARE

M	Suruburi metrice
M	Surubueir metrice
T	Suruburi
W	Suruburi lemn

SIMBOLURILE DE CAPAT

	Cu fanta		Cheie hexagonala/ sferica
	Phillips		hexagon
	Pozidriv		Cheie tubulara pentru nituri cap patrat
	Torx©		Robertson
	Torx TR		poanson

Compararea aproximativa a diferitelor duritati ale otelului

Duritate in functie de:				Duritatea otelului in: N/mm2 N/mm2
Brinell	Vickers	Rockwell		
HBW	HV	HRB	HRC	
192	192	92	14	690
197	197	93	15	710
201	201	94	16	720
207	207	95	17	750
212	212	96	18	760
217	217	97	19	780
223	223	98	20	800
229	229	99	21	820
235	235	100	22	850
241	241	101	23	870
248	248	102	24	890
255	256	103	25	920
262	263	104	26	940
269	270	105	28	970
277	279	106	29	1000
285	287	107	30	1030
293	296	107	31	1040
302	305	108	32	1090
311	316	109	33	1120
321	327	110	34	1160
330	339	111	35	1190
341	350	111	36	1220
352	363	112	37	1270
363	375	113	38	1310
375	389	113	40	1350
388	404	114	41	1400
400	420	114	42	1440
	437	115	44	1490
	454		45	1550
	473		46	1600
	496		47	1660
	520		49	1720
	546		50	1780
	575		52	1850
	608		53	1920
	645		55	2000
	692		57	2080
	735		58	2160
	790		60	2260
	845		62	2350
	930		64	2460

Tabel de conversie a cuplurilor de strangere

Unitate de masura	Unitate de masura					
	= Ncm	= Nm	= kpcm	= kpm	= lbf.in.	= lbf.ft
Ncm	1	0,01	0,10197	0,00102	0,0885	0,00738
Nm	100	1	10,197	0,10197	8,851	0,7376
kpcm	9,807	0,09807	1	0,01	0,868	0,0723
kpm	980,07	9,807	100	1	86,796	7,233
lbf.in.	11,298	0,11298	1,152	0,01152	1	0,0833
lbf.ft.	135,58	1,3558	13,825	0,13825	12	1

Tabele de conversie a unitatilor de greutate

Unitate de masura	Unitate de masura					
	= N	= kN	= kg	= g	= mg	= lb
N	1	0,001	0,102	102	102000	0,2248
kN	1000	1	102	102000	102000000	224,8
kg	9,807	0,009807	1	1000	1000000	2,205
g	0,009807	0,000009807	0,001	1	1000	0,002205
mg	0,000009807	9,807e-9	0,000001	0,001	1	0,000002205
lb	4,448	0,004448	0,4536	453,6	453600	1

Tabel de conversie a unitatilor de masura a vitezei

Unitate de masura	Unitate de masura			
	= km/s	= m/s	= mph	= Noduri
km/s	1	1000	2237	1944
m/s	0,001	1	2,237	1,944
mph	0,000447	0,447	1	0,869
Noduri	0,0005144	0,5144	1,151	1

Tabel de conversie a unitatilor de masura a unghiurilor

Unitate de masura	Unitate de masura		
	= deg	= rad	= grad
deg	1	0,01745	1,111
rad	57,3	1	63,66
grad	0,9	0,01571	1

Tabel de conversie a unitatilor de masura a debitului de fluide

Unitate de masura	Unitate de masura		
	l/min	m3/min	cm3/min
l/min	1	0,001	1000
m3/min	1000	1	1000000
cm3/min	0,001	0,000001	1

Format harite in concordanta cu ISO

A		B		C	
4A0	1682 x 2378	-	-	-	
2A0	1189 x 1682	-	-	-	
A0	841 x 1189	B0	1000 x 1414	C0	917 x 1297
A1	594 x 841	B1	707 x 1000	C1	648 x 917
A2	420 x 594	B2	500 x 707	C2	458 x 648
A3	297 x 420	B3	353 x 500	C3	324 x 458
A4	210 x 297	B4	250 x 353	C4	229 x 324
A5	148 x 210	B5	176 x 250	C5	162 x 229
A6	105 x 148	B6	125 x 176	C6	114 x 162
A7	74 x 105	B7	88 x 125	C7	81 x 114
A8	52 x 74	B8	62 x 88	C8	57 x 81
A9	37 x 52	B9	44 x 62	C9	40 x 57
A10	26 x 37	B10	31 x 44	C10	28 x 40

Table de conversie a unitatilor de masura

Unitate de masura	Unitate de masura							
	= inch	= yard	= picior	= km	= m	= mm	= micron	= nm
inch	1	0,02778	0,08333	0,0000254	0,0254	25,4	25400	25400000
yard	36	1	3	0,0009144	0,9144	914,4	914400	914400000
picior	12	0,3333	1	0,0003048	0,3048	304,8	304800	304800000
km	39370	1094	3281	1	1000	1000000	1000000000	1000000000000
m	39,37	1,094	3,281	0,001	1	1000	1000000	1000000000
mm	0,03937	0,001094	0,003281	0,000001	0,001	1	1000	1000000
micron	0,00003937	0,000001094	0,000003281	1e-9	0,000001	0,001	1	1000
nm	3,937e-8	1,094e-9	0,000	1e-12	1e-9	0,000001	0,001	1

Table de conversie a unitatilor de putere calorica

Unitate de masura	Unitate de masura						
	= kJ	= kcal	= cal	= kWh	= Wh	= Ws	= BTU
kJ	1	0,2388	238,8	0,0002778	0,2778	1000	0,9478
kcal	4,187	1	1000	0,001163	1,163	4187	3,968
cal	0,004187	0,001	1	0,000001163	0,001163	4,187	0,003968
kWh	3600	859,8	859800	1	1000	3600000	3412
Wh	3,6	0,8598	859,8	0,001	1	3600	3.412
Ws	0,001	0,0002388	0,2388	2,778e-7	0,0002778	1	0,0009478
BTU	1,055	0,252	252	0,0002931	0,2931	1055	1

Tabel de conversie a unitatilor de masura de presiune

Unitate de masura	Unitate de masura						
	= bar	= kPa	= hPa	= milibar	= Pa	= kgf/m2	= psi
bar	1	100	1000	1000	100000	10200	14,5
kPa	0,01	1	10	10	1000	102	0,145
hPa	0,001	0,1	1	1	100	10,2	0,0145
milibar	0,001	0,1	1	1	100	10,2	0,0145
Pa	0,00001	0,001	0,01	0,01	1	0,102	0,000145
kgf/m2	0,00009807	0,009807	0,09807	0,09807	9,807	1	0,001422
psi	0,06895	6,895	68,95	68,95	6895	703,1	1

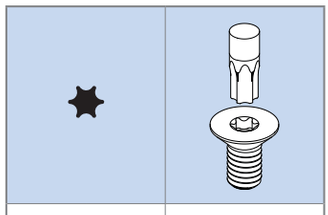
- Pentru a converti in MILIMETRII inmultiti inch cu 25.4
- Pentru a converti in INCH: inmultiti milimetri cu 0.03937

INCH		METRIC
Fractionar	Decimal	mm
.	0.0039	0.1000
.	0.0079	0.2000
.	0.0118	0.3000
1/64	0.0156	0.3969
.	0.0157	0.4000
.	0.0197	0.5000
.	0.0236	0.6000
.	0.0276	0.7000
1/32	0.0313	0.7938
.	0.0315	0.8000
.	0.0354	0.9000
.	0.0394	1.0000
.	0.0433	1.1000
3/64	0.0469	1.1906
.	0.0472	1.2000
.	0.0512	1.3000
.	0.0551	1.4000
.	0.0591	1.5000
1/16	0.0625	1.5875
.	0.0630	1.6000
.	0.0669	1.7000
.	0.0709	1.8000
.	0.0748	1.9000
5/64	0.0781	1.9844
.	0.0787	2.0000
.	0.0827	2.1000
.	0.0866	2.2000
.	0.0906	2.3000
3/32	0.0938	2.3813
.	0.0945	2.4000
.	0.0984	2.5000
7/64	0.1094	2.7781
.	0.1181	3.0000
1/8	0.1250	3.1750
.	0.1378	3.5000
9/64	0.1406	3.5719
5/32	0.1563	3.9688
.	0.1575	4.0000
11/64	0.1719	4.3656
.	0.1772	4.5000
3/16	0.1875	4.7625
.	0.1969	5.0000
13/64	0.2031	5.1594
.	0.2165	5.5000
7/32	0.2188	5.5563
15/64	0.2344	5.9531
.	0.2362	6.0000
1/4	0.2500	6.3500
.	0.2559	6.5000
17/64	0.2656	6.7469
.	0.2756	7.0000
9/32	0.2813	7.1438
.	0.2953	7.5000
19/64	0.2969	7.5406
5/16	0.3125	7.9375
.	0.3150	8.0000
21/64	0.3281	8.3344
.	0.3346	8.5000
11/32	0.3438	8.7313
.	0.3543	9.0000
23/64	0.3594	9.1281
.	0.3740	9.5000
3/8	0.3750	9.5250
25/64	0.3906	9.9219
.	0.3937	10.0000
13/32	0.4063	10.3188
.	0.4134	10.5000
27/64	0.4219	10.7156
.	0.4331	11.0000
7/16	0.4375	11.1125
.	0.4528	11.5000
29/64	0.4531	11.5094
15/32	0.4688	11.9063
.	0.4724	12.0000
31/64	0.4844	12.3031
.	0.4921	12.5000
1/2	0.5000	12.7000
.	0.5118	13.0000
33/64	0.5156	13.0969
17/32	0.5313	13.4938
.	0.5315	13.5000
35/64	0.5469	13.8906

INCH		METRIC
Fractionar	Decimal	mm
.	0.5512	14.0000
9/16	0.5625	14.2875
.	0.5709	14.5000
37/64	0.5781	14.6844
.	0.5906	15.0000
19/32	0.5938	15.0813
39/64	0.6094	15.4781
.	0.6102	15.5000
5/8	0.6250	15.8750
.	0.6299	16.0000
41/64	0.6406	16.2719
.	0.6496	16.5000
21/32	0.6563	16.6688
.	0.6693	17.0000
43/64	0.6719	17.0656
11/16	0.6875	17.4625
.	0.6890	17.5000
45/64	0.7031	17.8594
.	0.7087	18.0000
23/32	0.7188	18.2563
.	0.7283	18.5000
47/64	0.7344	18.6531
.	0.7480	19.0000
3/4	0.7500	19.0500
49/64	0.7656	19.4469
.	0.7677	19.5000
25/32	0.7813	19.8438
.	0.7874	20.0000
51/64	0.7969	20.2406
.	0.8071	20.5000
13/16	0.8125	20.6375
.	0.8268	21.0000
53/64	0.8281	21.0344
27/32	0.8438	21.4313
.	0.8465	21.5000
55/64	0.8594	21.8281
.	0.8661	22.0000
7/8	0.8750	22.2250
.	.8858	22.5000
57/64	.89063	22.6219
.	.9055	23.0000
29/32	.90625	23.0188
59/64	.92188	23.4156
.	.9252	23.5000
15/16	.93750	23.8125
.	.9449	24.0000
61/64	.95313	24.2094
.	.9646	24.5000
31/32	.96875	24.6063
.	.9843	25.0000
63/64	.98438	25.0031
1	1.000	25.40
.	1.0039	25.5000
.	1.0236	26.0000
.	1.0433	26.5000
.	1.0630	27.0000
.	1.0827	27.5000
.	1.1024	28.0000
.	1.1220	28.5000
.	1.1417	29.0000
.	1.1614	29.5000
.	1.1811	30.0000
.	1.2205	31.0000
1 1/4	1.2500	31.7500
.	1.2598	32.0000
.	1.2992	33.0000
.	1.3386	34.0000
.	1.3780	35.0000
.	1.4173	36.0000
.	1.4567	37.0000
.	1.4961	38.0000
1 1/2	1.5000	38.1000
.	1.5354	39.0000
.	1.5748	40.0000
.	1.6142	41.0000
.	1.6535	42.0000
.	1.6929	43.0000
.	1.7323	44.0000
1 3/4	1.7500	44.4500
.	1.7717	45.0000
.	1.8110	46.0000
.	1.8504	47.0000

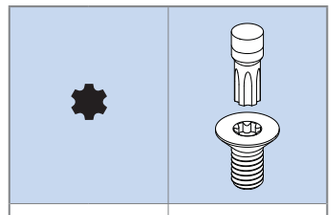
INCH		METRIC
Fractionar	Decimal	mm
.	1.8898	48.0000
.	1.9291	49.0000
.	1.9685	50.0000
2	2.0000	50.8000
.	2.0079	51.0000
.	2.0472	52.0000
.	2.0866	53.0000
.	2.1260	54.0000
.	2.1654	55.0000
.	2.2047	56.0000
.	2.2441	57.0000
2 1/4	2.2500	57.1500
.	2.2835	58.0000
.	2.3228	59.0000
.	2.3622	60.0000
.	2.4016	61.0000
.	2.4409	62.0000
.	2.4803	63.0000
2 1/2	2.5000	63.5000
.	2.5197	64.0000
.	2.5591	65.0000
.	2.5984	66.0000
.	2.6378	67.0000
.	2.6772	68.0000
.	2.7165	69.0000
2 3/4	2.7500	69.8500
.	2.7559	70.0000
.	2.7953	71.0000
.	2.8346	72.0000
.	2.8740	73.0000
.	2.9134	74.0000
.	2.9528	75.0000
.	2.9921	76.0000
3	3.0000	76.2000
.	3.0315	77.0000
.	3.0709	78.0000
.	3.1102	79.0000
.	3.1496	80.0000
.	3.1890	81.0000
.	3.2283	82.0000
.	3.2677	83.0000
.	3.3071	84.0000
.	3.3465	85.0000
.	3.3858	86.0000
.	3.4252	87.0000
.	3.4646	88.0000
3 1/2	3.5000	88.9000
.	3.5039	89.0000
.	3.5433	90.0000
.	3.5827	91.0000
.	3.6220	92.0000
.	3.6614	93.0000
.	3.7008	94.0000
.	3.7402	95.0000
.	3.7795	96.0000
.	3.8189	97.0000
.	3.8583	98.0000
.	3.8976	99.0000
.	3.9370	100.0000
4	4.0000	101.6000
.	4.3307	110.0000
4 1/2	4.5000	114.3000
.	4.7244	120.0000
5	5.0000	127.0000
.	5.1181	130.0000
.	5.5118	140.0000
.	5.9055	150.0000
6	6.0000	152.4000
.	6.2992	160.0000
.	6.6929	170.0000
.	7.0866	180.0000
.	7.4803	190.0000
.	7.8740	200.0000
8	8.0000	203.2000
.	9.8425	250.0000
10	10.0000	254.0000
20	20.0000	508.0000
30	30.0000	762.0000
40	40.0000	1016.000
60	60.0000	1524.000
80	80.0000	2032.000
100	100.0000	2540.000

Surub TX



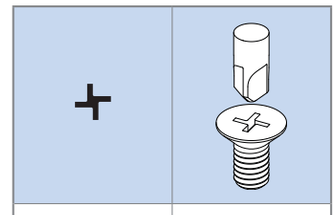
	mm
TX 1	0,84
TX 2	0,94
TX 3	1,12
TX 4	1,30
TX 5	1,37
TX 6	1,65
TX 7	1,97
TX 8	2,30
TX 9	2,48
TX 10	2,72
TX 15	3,26
TX 20	3,84
TX 25	4,40
TX 27	4,96
TX 30	5,49
TX 40	6,60
TX 45	7,77
TX 50	8,79
TX 55	11,17
TX 60	13,20
TX 70	15,49

Surub TX



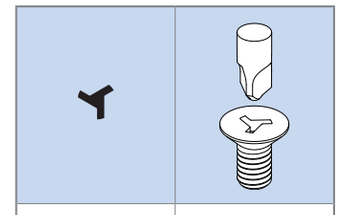
	mm
1 IP	0,84
2 IP	0,95
3 IP	1,13
4 IP	1,29
5 IP	1,41
6 IP	1,69
7 IP	1,97
8 IP	2,29
9 IP	2,48
10 IP	2,72
15 IP	3,25
20 IP	3,84
25 IP	4,39
27 IP	4,95
30 IP	5,49
40 IP	6,60
45 IP	7,77
50 IP	8,79
55 IP	11,16
60 IP	13,20
70 IP	15,48

Surub TQ



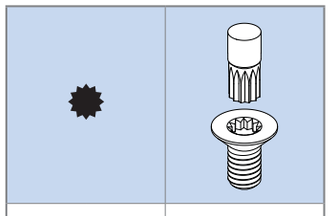
	mm
0	0,43
1	0,43
2	0,43
3	0,48
4	0,56
5	0,63
6	0,71
8	0,84
10	0,96
1/4″	1,27
5/16″	1,60
3/8″	1,90
7/16″	2,23
1/2″	2,54

Surub TW



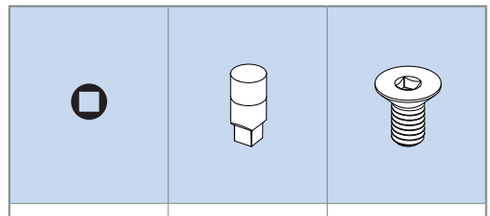
	mm
0	0,45
1	0,57
2	0,75
3	0,95
4	1,08
5	1,23
6	1,54
7	1,87
8	2,17
9	2,48
10	2,78

Surub ZX



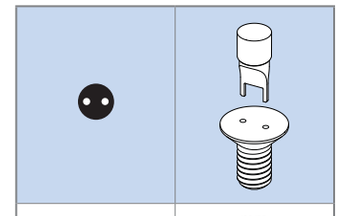
M 4	3,83
M 5	4,80
M 6	6,00
M 8	7,20
M 10	9,60
M 12	11,41
M 14	13,22
M 16	15,63
M 18	16,85
M 20	19,25

Surub SQ



00	1,27	1,4
0	1,78	2
1	2,31	2,5
2	2,85	3,1
3	3,37	3,7
4	4,84	5,1

Surub SP



	mm
4	1,52
6	2,41
8	2,79
10	3,30

 M	TIPUL BOLTULUI.									 mm
	3.6	4.6	5.6	5.8	6.8	8.8	9.8	10.9	12.9	
	moment in Nm									
M 1.6	0.05	0.07	0.09	0.11	0.14	0.18	0.21	0.26	0.31	3.2
M 2	0.11	0.14	0.18	0.24	0.28	0.38	0.42	0.53	0.63	4
M 2.5	0.22	0.29	0.36	0.48	0.58	0.78	0.87	1.09	1.31	5
M 3	0.38	0.51	0.63	0.84	1.01	1.35	1.52	1.9	2.27	5.5
M 4	0.71	0.95	1.19	1.59	1.91	2.54	2.86	3.57	4.29	7
M 5	1.71	2.28	2.85	3.8	4.56	6.09	6.85	8.56	10.3	8
M 6	2.94	3.92	4.91	6.54	7.85	10.5	11.8	14.7	17.7	10
M 8	7.11	9.48	11.9	15.8	19	25.3	28.4	35.5	42.7	13
M 10	14.3	19.1	23.8	31.8	38.1	50.8	57.2	71.5	85.8	17
M 12	24.4	32.6	40.7	54.3	65.1	86.9	97.7	122	147	19
M 14	39	52	65	86.6	104	139	156	195	234	22
M 16	59.9	79.9	99.8	133	160	213	240	299	359	24
M 18	82.5	110	138	183	220	293	330	413	495	27
M 20	117	156	195	260	312	416	468	585	702	30
M 22	158	211	264	352	422	563	634	792	950	32
M 24	202	270	337	449	539	719	809	1011	1213	36
M 27	298	398	497	663	795	1060	1193	1491	1789	41
M 30	405	540	675	900	1080	1440	1620	2025	2430	46
M 33	550	734	917	1223	1467	1956	2201	2751	3301	50
M 36	708	944	1180	1573	1888	2517	2832	3540	4248	55
M 39	919	1226	1532	2043	2452	3269	3678	4597	5517	60
M 42	1139	1518	1898	2530	3036	4049	4555	5693	6832	65
M 45	1425	1900	2375	3167	3800	5067	5701	7126	8551	70
M 48	1716	2288	2860	3813	4576	6101	6864	8580	10296	75
M 52	2210	2947	3684	4912	5895	7859	8842	11052	13263	80
M 56	2737	3650	4562	6083	7300	9733	10950	13687	16425	85
M 60	3404	4538	5673	7564	9076	12102	13614	17018	20422	90
M 64	4100	5466	6833	9110	10932	14576	16398	20498	24597	95
M 68	4963	6617	8271	11029	13234	17646	19851	24814	29777	100

DIMENSIUNI PROFILE

Profil TORX®

	mm
TX 5	1,37
TX 6	1,65
TX 7	1,97
TX 8	2,30
TX 9	2,48
TX 10	2,72
TX 15	3,26
TX 20	3,84
TX 25	4,40
TX 27	4,96
TX 30	5,49
TX 40	6,60
TX 45	7,77
TX50	8,79
TX 55	11,17
TX 60	13,20
TX 70	15,49

Profil XZN

	mm
M 4	3,83
M 5	4,80
M 6	6,00
M 8	7,20
M 10	9,60
M 12	11,41
M 14	13,22
M 16	15,63
M 18	16,85
M 20	19,25

Profil TORX® Plus®

	mm
6 IP	1,69
7 IP	1,97
8 IP	2,29
9 IP	2,48
10 IP	2,72
15 IP	3,25
20 IP	3,84
25 IP	4,39
27 IP	4,95
30 IP	5,49
40 IP	6,60
45 IP	7,77
50 IP	8,79
55 IP	11,16
60 IP	13,20
70 IP	15,48

Profil patrat

	mm	mm
00	1,27	1,27
0	1,78	1,78
1	2,31	2,31
2	2,85	2,85
3	3,37	3,37
4	4,84	4,84

CUPLURI DE TESTARE

Profil lat

Conform: DIN 5264, ISO 2380, VSM 35601 și SMS-SS 2223.

	Cuplu in Nm (min.)	
	Utilizare manuala	Utilizare mecanica
0,3 x 2,0	0,18	0,20
0,4 x 2,0	0,30	0,35
0,4 x 2,5	0,40	0,45
0,5 x 3,0	0,70	0,80
0,5 x 3,5	0,90	0,98
0,6 x 3,5	1,30	1,40
0,6 x 4,0	1,40	1,61
0,6 x 4,5	-	1,80
0,8 x 4,0	2,60	2,90
0,8 x 4,5**	2,88	
0,8 x 5,0**	3,20	3,58
0,8 x 5,5	3,50	3,90
1,0 x 5,5	5,50	6,20
1,0 x 6,5**	6,50	7,28
1,0 x 7,0**	7,00	7,80
1,2 x 6,5	9,40	10,50
1,2 x 7,0**	10,00	11,28
1,2 x 8,0	11,50	12,90
1,4 x 9,0**	17,60	19,70
1,5 x 13,0**	29,00	32,00
1,6 x 8,0	20,50	22,90
1,6 x 9,0**	23,00	25,00
1,6 x 10,0	25,60	28,70
2,0 x 12,0	48,00	53,00
2,0 x 13,0	52,00	58,00
2,5 x 14,0	87,00	98,00
2,5 x16,0**	100,00	112,00
3,0 x 18,0**	162,00	181,00

Profil hexagonal

Conform: DIN 911 und ISO 2936

	Cuplu in Nm (min.)
0,70	0,08
0,90	0,18
1,30	0,53
1,50	0,82
2,00	1,90
2,50	3,80
3,00	6,60
3,50*	11,00
4,00	16,00
4,50*	24,00
5,00	30,00
6,00	52,00
7,00	78,00
8,00	120,00
9,00*	180,00
10,00	220,00
11,00*	295,00
12,00	370,00
13,00*	480,00
14,00	590,00
17,00	1000,00
19,00	1000,00
22,00	1000,00
24,00	1000,00
27,00	1000,00

Profil Phillips® si Pozidrive®

Conform: DIN 5260, ISO 8764 und SMS -SS 1687.

	Cuplu in Nm (min.)	
	Utilizare manuala	Utilizare mecanica
0	1,00	1,00
1	3,50	3,90
2	8,20	10,30
3	19,50	32,00
4	38,00	88,70

Profil Torq-Set®

Conform: DIN

	Cuplu in Nm (min.)	
	Utilizare manuala	Utilizare mecanica
2	1,10	1,10
3	1,70	1,70
4	2,80	2,80
5	4,00	4,00
6	5,10	5,10
8	8,50	8,50
10	11,30	11,30
1/4"	28,00	17,00
5/16"	56,00	28,00
3/8"	102,00	62,00
7/16"	147,00	
1/2"	249,00	
9/16"	271,00	
5/8"	339,00	

Profil TORX®

Conform: DIN 5261

	Cuplu in Nm (min.)
TX 5	0,51 / 0,43
TX 6	0,91 / 0,77
TX 7	1,7 / 1,4
TX 8	2,6 / 2,2
TX 9	3,4 / 2,9
TX 10	4,5 /3,8
TX 15	7,7 / 6,5
TX 20	12,7 / 10,8
TX 25	19,0 / 16,1
TX 27	26,9 / 22,9
TX 30	37,4 / 31,8
TX 40	65,1 / 55,3
TX 45	104,0 /88,0
TX 50	159,0 / 135,0
TX 55	257,0 / 218,0
TX 60	445,0 / 379,0
TX 70	701,0 / 596,0

** Dupa testarea cuplului cu valoarea minima, bitii nu trebuie să prezinte deformări sau vatamari la varf.*

*** Standardul de aplicare nu acopera aceste dimensiuni.*

Coeficient μ al frictiunii totale = 0,1 (conform clasa de fabricatie DIN 267 / ISO 898/1)

SW in mm	Dimen-siune	Calitatea elementelor de fixare											
		3,6 (4D)		5,6 (5D)		6,9 (6G)		8,8 (8G)		10,9 (10K)		12,9 (12K)	
		F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm
3,2	M 1,6					475	0,125	587	0,150	862	0,215	1.009	0,255
4,0	M 2					790	0,26	975	0,315	1.432	0,465	1.676	0,545
5,0	M 2,5					1.320	0,52	1.624	0,645	2.385	0,935	2.791	1,095
5,5	M 3	690	0,60	1.130	0,51	1.850	0,81	2.450	1,1	3.450	1,5	4.100	1,8
6	M 3,5	920	0,47	1.550	0,78	2.450	1,2	3.250	1,7	4.600	2,3	5.500	2,8
7	M 4	1.200	0,7	2.000	1,2	3.150	1,9	4.200	2,4	5.900	3,3	7.100	4,0
8 si 9	M 5	1.950	1,4	3.250	2,3	5.200	3,6	6.900	4,9	9.7000	7,0	11.600	8,0
10	M 6	2.750	2,4	4.550	3,9	7.300	6,3	9.750	8,0	13.700	12	16.400	14
13 si 14	M 8	5.050	5,7	8.400	9,5	13.400	15	17.900	20	25.100	28	30.200	34
15 si 17	M 10	8.000	11,0	13.300	19,0	21.400	30	28.400	40	40.000	56	48.000	67
19 si 21	M 12	11.700	20,0	19.500	33,0	31.100	52	41.500	69	58.500	98	70.000	115
22 si 23	M 14	16.000	31,0	26.700	52,0	42.700	83	56.500	110	80.000	155	96.000	185
24 si 26	M 16	22.000	48,0	36.700	79,0	58.500	125	78.500	170	110.000	240	132.000	285
27	M 18	26.000	66,0	44.600	110,0	71.500	175	95.000	235	134.000	330	160.000	395
30	M 20	34.400	92,0	57.500	155,0	91.500	245	122.000	330	172.000	465	206.000	560
32	M 22	43.000	125,0	71.500	205,0	115.000	330	152.000	445	214.000	620	257.000	750
36	M 24	49.500	160,0	82.500	265,0	132.000	425	176.000	570	248.000	800	298.000	960
41	M 27	65.000	235,0	109.000	390,0	174.000	630	232.000	840	326.000	1.200	391.000	1.400
46	M 30	79.000	320,0	132.000	530,0	211.000	850	282.000	1.150	397.000	1.600	476.000	1.950
50	M 33	98.500	430,0	164.000	720,0	263.000	1.150	351.000	1.550	493.000	2.150	592.000	2.600
55	M 36	116.000	550,0	193.000	920,0	309.000	1.500	412.000	1.950	579.000	2.750	695.000	3.300

F_v = Prestrangere **M_A = Cuplu de strangere**

Coeficient μ al frictiunii totale = 0,14 (conform clasa de fabricatie DIN 267 / ISO 898/1)

SW in mm	Dimen-siune	Calitatea elementelor de fixare											
		3,6 (4D)		5,6 (5D)		6,9 (6G)		8,8 (8G)		10,9 (10K)		12,9 (12K)	
		F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm	F_V in N	M_A in Nm
3,2	M 1,6					440	0,15	538	0,18	790	0,27	925	0,31
4,0	M 2					73	0,31	895	0,38	1.315	0,56	1.539	0,65
5,0	M 2,5					1.220	0,64	1.494	0,78	2.194	1,14	2.567	1,34
5,5	M 3	630	0,37	1.050	0,62	1.700	0,99	2.250	1,3	3.150	1,9	3.800	2,2
6	M 3,5	850	0,57	1.400	0,95	2.250	1,5	3.000	2,0	4.250	2,9	5.100	3,4
7	M 4	1.100	0,85	1.850	1,4	2.900	2,3	3.900	2,9	5.450	4,1	6.550	4,9
8 si 9	M 5	1.800	1,7	3.000	2,8	4.800	4,5	6.350	6,0	8.950	8,5	10.700	10
10	M 6	2.550	2,9	4.200	4,8	6.750	7,7	9.000	10	12.600	14	15.100	17
13 si 14	M 8	4.650	7,0	7.750	12	12.400	19	16.500	25	23.200	35	27.900	41
15 si 17	M 10	7.400	14	12.300	23	19.700	37	26.200	49	36.900	69	44.300	83
19 si 21	M 12	10.800	24	18.000	40	28.800	65	38.300	86	54.000	120	64.500	145
22 si 23	M 14	14.800	39	24.000	64	39.500	105	52.500	135	74.000	190	88.500	230
24 si 26	M 16	20.400	59	34.000	98	54.500	155	73.000	210	102.000	295	123.000	355
27	M 18	24.800	81	41.000	135	66.000	215	88.000	290	124.000	405	148.000	485
30	M 20	31.900	115	53.000	190	85.000	305	114.000	410	160.000	580	192.000	690
32	M 22	39.900	155	66.500	260	106.000	415	141.000	550	199.000	780	239.000	930
36	M 24	45.900	200	76.500	330	122.000	530	164.000	710	230.000	1.000	276.000	1.2000
41	M 27	60.500	295	100.000	490	161.000	780	215.000	1.050	302.000	1.500	363.000	1.800
46	M 30	73.500	395	122.000	660	196.000	1.050	262.000	1.450	368.000	2.000	442.000	2.400
50	M 33	91.500	540	153.000	900	244.000	1.450	326.000	1.900	458.000	2.700	550.000	3.250
55	M 36	107.000	690	179.000	1.150	287.000	1.850	382.000	2.450	537.000	3.450	645.000	4.150

F_v = Prestrangere **M_A = Cuplu de strangere**

Cod	Brand	Produs	Capacitate (mm / inch)	0 5 10 25 30 35 40 50 60 75 100 125 150 175 200 225 250 300	Materiale	Cod rezarva
605418	UNIOR		max. Ø 25 mm max. Ø 1"	max. Ø 25 mm	PVC	605419
63199	EGAMASTER		max. Ø 35 mm max. Ø1.3/8"	max. Ø 35 mm	PB, PEX, MULTISTAT	64688
609405	UNIOR		max. Ø 38 mm max. Ø 1.1/2"	max. Ø 38 mm	PVC	609406
63200	EGAMASTER		max. Ø 42 mm max. Ø 1.5/8"	max. Ø 42 mm	PE, PP, PB, VPE, PVDF, MLP, PPR, PEX, MULTISTRAT	64003
63205	EGAMASTER		max. Ø 42 mm max. Ø1.5/8"	max. Ø 42 mm	KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER	64045
63204	EGAMASTER		max. Ø 42 mm max. Ø 1.5/8"	max. Ø 42 mm	PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER	64039
63202	EGAMASTER		max. Ø 42 mm max. Ø1.5/8"	max. Ø 42 mm	KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER	64034
63933	EGAMASTER		max. Ø 63 mm max. Ø 2.1/2"	max. Ø 63 mm	PE, PP, PB, VPE, PVDF, MLP, PPR, PEX, MULTILAYER	63940
63847	EGAMASTER		max. Ø 64 mm max. Ø 2.1/2"	max. Ø 64 mm	KEVLAR, PVC, PE, PP, PB, VPE, PVDF, MLP, HTA, PPR, PEX, MULTILAYER	64752
626181	UNIOR		Ø 3 - 16 mm Ø 1/8" - 5/8"	Ø 3 - 16 mm	aluminiu, aluminiu, inox și oțel cu grosime maximă de până la 2 mm	626191
63168	EGAMASTER		Ø 3 - 30 mm Ø 1/8" - 1.1/8"	Ø 3 - 30 mm	Cu	63086
63105	EGAMASTER		Ø 6 - 32 mm Ø 1/4" - 1.1/8"	Ø 6 - 32 mm	Cu	63110
63170	EGAMASTER		Ø 3 - 32 mm Ø 1/8" - 1.1/8"	Ø 3 - 32 mm	Cu	63110
63172	EGAMASTER		Ø 3-50 mm Ø 1/8" - 2"	Ø 3-50 mm	Otel	63101
626187	UNIOR		Ø 3 - 35 mm Ø 1/8" - 1.3/8"	Ø 3 - 35 mm	aluminiu, aluminiu, inox și oțel cu grosime maximă de până la 2 mm	626191
63119	EGAMASTER		Ø 6 - 42 mm Ø 1/4" - 1.5/8"	Ø 6 - 42 mm	Cu	63111
63363	EGAMASTER		Ø 6 -50 mm Ø 1/4" - 2"	Ø 6 -50 mm	Cu	63720
626190	UNIOR		Ø 10 - 60 mm Ø 1/8" - 2"	Ø 10 - 60 mm	aluminiu, aluminiu, inox și oțel cu grosime maximă de până la 2 mm	626193
626188	UNIOR		Ø 6 - 76 mm Ø 1/4" - 3"	Ø 6 - 76 mm	aluminiu, aluminiu, inox și oțel cu grosime maximă de până la 2 mm	626191
63174	EGAMASTER		Ø 50-127 mm Ø 2" - 5"	Ø 50-127 mm	Cu	64106
63175	EGAMASTER		Ø 50 - 100 mm Ø 2"-4"	Ø 50 - 100 mm	Otel	63185
63355	EGAMASTER		Ø 50 - 100 mm Ø 2"-4"	Ø 50 - 100 mm	Otel	64173
63356	EGAMASTER		Ø 100 - 150 mm Ø 4"-6"	Ø 100 - 150 mm	Otel	64174
63357	EGAMASTER		Ø 150 - 200 mm Ø 6"-8"	Ø 150 - 200 mm	Otel	64175
63358	EGAMASTER		Ø 200-300 mm Ø 8"-12"	Ø 200-300 mm	Otel	64176
63076	EGAMASTER		Ø 3 - 22 mm Ø 1/8" - 7/8"	Ø 3 - 22 mm	Otel inoxidabil	63113
63169	EGAMASTER		Ø 3 - 30 mm Ø 1/8" - 1.1/8"	Ø 3 - 30 mm	Otel inoxidabil	63087
63118	EGAMASTER		Ø 6 - 32 mm Ø 1/4" - 1.1/8"	Ø 6 - 32 mm	Otel inoxidabil	63113
63121	EGAMASTER		Ø 6 - 42 mm Ø 1/4" - 1.5/8"	Ø 6 - 42 mm	Otel inoxidabil	63114
63364	EGAMASTER		Ø 6 - 50 mm Ø 1/4" - 2"	Ø 6 - 50 mm	Otel inoxidabil	63721
63359	EGAMASTER		Ø 50 - 100 mm Ø 2"-4"	Ø 50 - 100 mm	Otel inoxidabil	64196
63360	EGAMASTER		Ø 100 - 150 mm Ø 4"-6"	Ø 100 - 150 mm	Otel inoxidabil	64197
63361	EGAMASTER		Ø 150 - 200 mm Ø 6"-8"	Ø 150 - 200 mm	Otel inoxidabil	64198
63362	EGAMASTER		Ø 200-300 mm Ø 8"-12"	Ø 200-300 mm	Otel inoxidabil	64199



UNIOR - Catalog general



UNIOR - Scule izolate la 1000 V



UNIOR - Automotive



UNIOR - Scule servisare biciclete



UNIOR - Scule servisare motociclete



UNIOR - Mobilier atelier



UNIOR - Forjate



UNIOR - Seturi demo



UNIOR - Scule pentru lucru la inaltime



UNIOR - Sistem LMS



UNIOR - Linia Plus



EKLIND - Chei imbus



NEXUS - Extractoare si prese



GRAVUREM - Poansoane



IREGA - Chei reglabile



METALMINOTTI - Scule antiexplozie



CARLTSOE - Scule antiexplozie



AMPCO - Scule antiexplozie



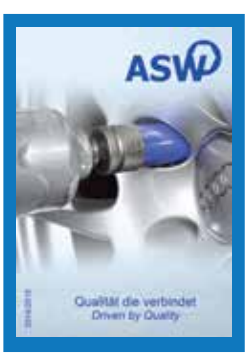
OZAT - Capete tubulare de impact



TOME FETEIRA - Pile



USH - Biti



ASW - Biti



WEKADOR - Biti



COBIT - Biti



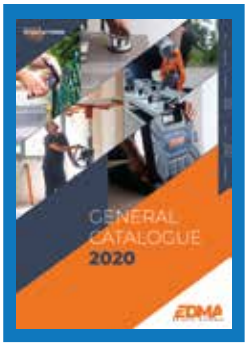
ZBIROVIA - Scule de mana



TOVARNA KOS - Topoare profesionale



AB TOKOS - Mistrii si gletiere



EDMA - Catalog general



EDMA - Montare acoperisuri



EDMA - Amenajari exterioare



EDMA - Montare fatade



EDMA - Montare gips-carton



EDMA - Montare placi ceramice



EDMA - Montare pardoseala



EDMA - Scule zidarie



BOA - Chei cu curea, nivele



PINIE - Scule pentru tamplarie



PILANA - Scule de mana



JOSEF HAUNSTETTER - Panze traforaj



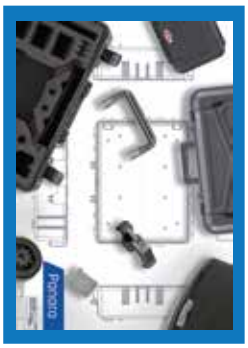
PORT-BAG - Cutii pentru scule



HEPCO&BECKER - Genti pentru scule



PLASTICA PANARO - Genti pentru scule



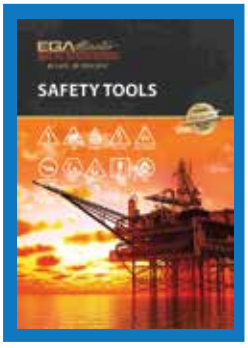
PLASTICA PANARO - Cutii pentru scule



PLASTICA PANARO -Divizoare genti pentru scule



FRIEDRICH - Scule izolate la 1000 V



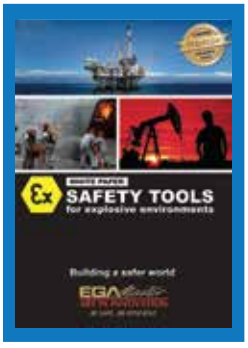
EGAMASTER - Scule conditii speciale



EGAMASTER - Catalog general



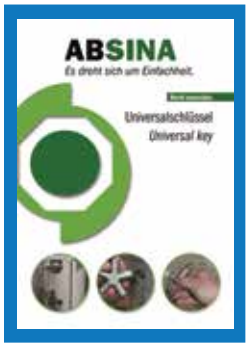
EGAMASTER - Scule izolate la 1000 V



EGAMASTER - Scule antiexplozie



EGAMASTER - Scule INOX



ABSINA - Chei pentru panouri



WGB - Scule de mana



KRONUS - Scule de mana



BMS - Chei dinamometrice



NORBAR - Chei dinamometrice



INSIZE - Instrumente de masura



KAPPA - Nivele



SAM - Scule de mana



SAM - Indispensam



SAM - Automotive



STAHLWILLE - Scule de mana



STAHLWILLE - Aeronautica



METRIE - Metre pliabile



KUDOS - Scule hidraulice



ISKRA - Aparate de sudura



STAYER - Scule electrice profesionale



STAYER - Accesorii scule electrice



STAYER - Discuri diamantate



STAYER - Scule electrice hobby



STAYER - Aparate de sudura



DIAGER - Scule aschietoare



DIAGER - Scule aschietoare speciale



TIVOLY - Accesorii scule electrice



TIVOLY - Scule aschietoare



TIVOLY - Aerospatial



DIAGER - Scule aschietoare



WILPU - Accesorii scule electrice



BIPICO - Panze banda



PILANA - Panze banda



PILANA - Panze bomfaier



WELLERSHAUS - Banze banda lemn



PILANA - Panze speciale



GSP - Discuri speciale



FIRST - Panze circulare



PILANA - Panze circulare cutite rindeluit



FREUD- Freze cu coada



FREUD - Capete de frezat



FREUD - Cutite



FREUD - Freze din carbura



FREUD - Panze circulare



CNS - Scule electricieni



CNS - Scule instalatori



CNS - Mobilier atelier



CNS - Scule prelucrarea lemnului



CNS - Scule auto



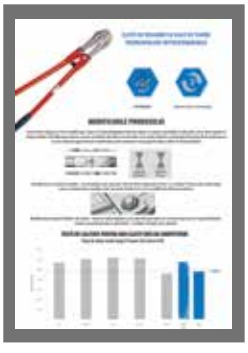
CNS - Sudura



CNS - Genti pentru scule



CNS - Scule pentru lucru la inaltime



PLANSE PREZENTARE



PLANSE SINTEZA

Reguli de bună practică de distribuție

Prezentele reguli se aplică la nivelul rețelei de distribuitori autorizați ai Centrului National de Scule, în tot lanțul de distribuție, destinatari generici fiind vânzătorii și cumpărătorii: furnizorul extern (producător) și reprezentanța acestuia, dealer, subdealer, toate verigile intermediare ale distribuției până la clientul final.

Prețuri, ofertă, comandă, livrare

Catalogul industrial CNS 2018-2020 cuprinde prețurile de lista valabile în rețeaua de distribuție.
Oferta vânzătorului este angajantă și produce efecte de la data indicată ca valabilitate a ofertei.
La confirmarea ofertei de către cumparator și returnarea ofertei confirmate înapoi la vanzator în termenul de valabilitate al acesteia, oferta devine comandă angajantă. În cazul în care cumpărătorul emite o comandă, aceasta se consideră o ofertă fermă de a contracta.
Pentru exportul produselor trebuie luat în amonte acordul furnizorului extern prin reprezentanța aceastuia.
Produsele se vor livra potrivit cantităţilor, sortimentelor prevăzute în comenzi. Conformitatea produselor cu standardele, documentația de referință și pagina web este garantată.
Termenul de finalizare a comenzilor în vederea expedierii: imediat pentru produsele pe stoc, pentru produsele care nu sunt pe stoc, la termenul stabilit prin acordul părților.

Modalitatea de plată, preluarea riscurilor și transferul dreptului de proprietate

În general, plata este în funcție de clasa de risc a cumpărătorului evaluată de un asigurator internațional pe bază de poliță de asigurare creanțe la plată : la livrare, la termen cu OP, BO sau cec emise de ordonator sau instrumente de plata andosate.
Proprietatea asupra produselor vândute este transferată de la vânzator la cumparator la livrare. Transferul riscurilor şi al cheltuielilor se realizează în condiţiile prevăzute de reglementările INCOTERMS 2010, clauze care nu mai sunt doar reguli de comerț internațional, ci și clauze de comerț „domestic” (intern).

Garantia

Termenul de garanţie este cel practicat de producător. Garanția nu este acceptată pentru produsele care au suferit modificări sau dacă acestea sunt uzate fizic sau deteriorate datorită folosirii necorespunzătoare.
Garanţia contra viciilor produselor vândute si garanţia pentru buna funcţionare sunt conforme cu dispozițiile art.1.707-1.715 si 1.716-1.718 Cod Civil (Legea nr.287/2009).
Pentru sculele așchietoare și de tăiere – burghie (inclusiv burghie pentru găurirea cu percuție), tarozi, filiere, freze, pânze de debitat, foarfeci, cuțite, dălți, lame cuttere, etc., garanția se acordă în condițiile utilizării într-un regim de lucru controlat, conform normelor internaționale / documentației de achiziție, standardelor de referință. Pentru vicii ascunse, defecte de material care nu pot fi depistate vizual sau cu metode obisnuite la recepție, garanția este de 24 luni și se extinde pe toată durata utilizării produsului. Aceasta nu acoperă uzura normală rezultată în urma utilizării produsului .

Garanția specială brand Unior

Sculele Unior, recunoscute în toată lumea pentru calitatea lor ridicată care permite utilizatorului să termine operațiunile mai repede și mai sigur, se bucură de Unior Lifetim Guaranty - garanție pe întreaga viață de funcționare, cu excepția sculelor pneumatice si de măsurare, care sunt acoperite pe o perioadă de un an de la data vânzării.

Returnarea produselor

Returnarea produselor se face cu respectarea următoarelor etape:

-notificarea vânzătorului cu privire la intenția de returnare a produsului;

-obținerea acordului reprezentanței furnizorului extern cu privire la returnarea produsului;

-preavizarea dealerului în amonte pe lanțul de distribuție înainte de expedierea returului

Condiții de retur produse:

* Produsul livrat nu corespunde specificațiilor în catalog sau oferta de preț. Se poate solicita returnarea acestuia pentru înlocuire sau rambursarea integrală a contravalorii (în cazul în care produsul nu mai este disponibil).
* Produs nefuncțional în primele 48 ore (2 zile lucrătoare) de la recepție. În cazul în care produsul achiziționat a fost livrat nefuncțional sau prezintă vicii de fabricație, acesta va fi înlocuit cu un produs funcțional, în urma notificării scrise sau prin prezentarea la sediu în termen de 48 de ore de la primirea produsului.
* Produs în colet deteriorat.
* Produse livrate greșit.
Produsele aduse în stoc în urma unei comenzi speciale ferme nu pot fi returnate.

Orice modificare a stării produselor sau deteriorarea ambalajului original al acestora care face imposibilă vânzarea produsului ca nou, duce automat la aplicarea unei proceduri de returnare supusă unei taxe din valoarea inițială a produsului, convenită prin contract sau anexă subsecventă.

Drepturi de proprietate intelectuală

Este obligaţia furnizorului extern si a reprezentantei aceastuia să se asigure că prin intermediul livrărilor de bunuri nu se încalcă drepturi de proprietate intelectuală (brevete, modele industriale, mărci, etc.), precum şi drepturile de autor şi alte drepturi ale terţilor. În cazul în care un terţ ridică pretenţii împotriva cumparatorului pe baza unei presupuse încălcări a acestor drepturi, la prima solicitare din partea cumpărătorului reprezentanța furnizorului extern se obligă să intervina în vederea exonerării acestuia de pretenţii.

Protecția datelor cu caracter personal

Protecția datelor cu caracter personal este prevăzută de Regulamentul (UE) 2016/679 al Parlamentului European și al Consiliului din 27 aprilie 2016 privind protecția persoanelor fizice în ceea ce privește prelucrarea datelor cu caracter personal și privind circulația acestor date și de abrogare a Directivei 95/46 / CE. Datele cu caracter personal vor fi colectate şi utilizate numai în măsura permisă de lege sau de persoana vizată prin acord scris privind utilizarea respectivă, cu garantarea că datele cu caracter personal furnizate în baza relatiilor comerciale au fost obţinute şi prelucrate în conformitate cu legislaţia privind protecţia datelor cu caracter personal. În timpul transmiterii lor electronice, al transportului sau al stocării, datele cu caracter personal nu pot fi citite, copiate, modificate sau şterse sau supuse unei alte prelucrări în mod neautorizat, putându-se verifica şi stabili când şi unde este prevăzută o transmitere de date cu caracter personal.

911/5ak1U

Trusa profesionala de scule pentru mecanici auto TSA 73 piese



UNIOR

902224	73	20000	1K	1	4049.84

	**110/1CB** Set de chei fixe in cutie de carton 6-22 mm / 8 piese (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22)	8 piese
	**180/1CB** Set de chei inelare dublu cotite in cutie de carton 6-22 mm / 8 piese (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22)	8 piese
	**250/1** Cheie reglabila cu rola Ø 32 mm (250 mm)	1 piesa
	**190.3/1** Antrenor cu parghie glisanta 1/2" (300 mm)	1 piesa
	**190.6/2** Intermediar cardanic 1/2" (75.5 mm)	1 piesa
	**190.1/1ABI** Antrenor cu clichet 1/2" maner multicomponent (260 mm)	1 piesa
	**190/1 6p** Capete chei tubulare 1/2" (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 30, 32 mm)	21 piese
	**406/1BI** Cleste combinat manere bimaterial pentru conditii grele (180 mm)	1 piesa
	**447/1HPP** Cleste reglabil cu 10 pozitii manere bimaterial (240 mm)	1 piesa
	**461/1BI** Cleste tais lateral maner bimaterial pentru conditii grele (160 mm)	1 piesa
	**506/1BI** Clesti cu varfuri semirotunde si tais maner bimaterial pentru conditii grele (140 mm)	1 piesa
	**532PLUS/1DP** Cleste inel de siguranta, exterior, varfuri drepte 19-60 mm (180 mm)	1 piesa
	**536PLUS/1DP** Cleste inel de siguranta, intern, varfuri drepte 19-60 mm (180 mm)	1 piesa
	**569R/7P** Foarfeca universala de tabla pana la 1,25 mm (250 mm)	1 piesa
	**605TBI** Surubelnite cu varf plat si maner trimaterial (1.0x5.5x125 mm si 1.2x6.5x150 mm)	2 piese
	**615TBI** Surubelnita Phillips si maner trimaterial (PH1x80, PH2x100, PH3x150)	3 piese
	**220/3SLPH** Set de chei locas hexagonal in suport de plastic 1.5-10.0 mm / 9 piese	9 piese
	**778/4PB** Set extractor de suruburi rupte (1, 2, 3, 4, 5, 6, 7, 8 mm)	8 piese
	**806** Ciocan de tinichigerie (454 g)	1 piesa
	**206/2** Cheie cu lant (60-140 mm)	1 piesa
	**631B** Tester auto pentru verificari la instalatiile electrice ale masinilor de la 6-12 V	1 piesa
	**911/5** Cutie scule 5 compartimente (460x210x220 mm)	1 piesa



911/5ak2U

Trusa profesionala de scule pentru instalatori TSI 39 piese



UNIOR

902225	39	20000	1K	1	3249.67

	**110/1CB** Set de chei fixe in cutie de carton 6-22 mm / 8 piese (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22)	8 piese
	**180/1CB** Set de chei inelare dublu cotite in cutie de carton 6-22 mm / 8 piese (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22)	8 piese
	**135/2** Cheie fixa simpla pentru gaz (27 mm)	1 piesa
	**206/2** Cheie cu lant (60-140 mm)	1 piesa
	**360/6A** Dispozitiv de taiat teava (3 - 35 mm / 1/8" - 1.3/8")	1 piesa
	**406/1BI** Cleste combinat manere bimaterial pentru conditii grele (180 mm)	1 piesa
	**429/3** Cleste menghina (250 mm)	1 piesa
	**447/1HPP** Cleste reglabil cu 10 pozitii manere bimaterial (240 mm)	1 piesa
	**482/6** Cleste de tevi cu gura la 45°, model suedez, forma S (2")	1 piesa
	**492/6** Cleste industrial pentru tevi (2")	1 piesa
	**461/1BI** Cleste tais lateral maner bimaterial pentru conditii grele (160 mm)	1 piesa
	**569R/7P** Foarfeca universala de tabla pana la 1,25 mm (250 mm)	1 piesa
	**605TBI** Surubelnite cu varf plat si maner trimaterial (1.0x5.5x125 mm, 1.2x6.5x150 mm, 1.6x10.0x200 mm)	3 piese
	**660/6** Dalta lata (150 mm)	1 piesa
	**363A** Dispozitiv de debavurat tevi interior/exterior Ø3-42 mm	1 piesa
	763HB Pila rotunda bastard cu maner multicomponent (200 mm)	1 piesa
	777/6C Razuitor cu trei muchii si maner lemn (150 mm)	1 piesa
	812 Ciocan pentru lacatuserie (500 g si 1000 g)	2 piese
	750B Cadru bomfaier (300 mm)	1 piesa
	750.1B Set 2 panze bomfaier HSS Bi-Metal debitare otel dur (300 mm)	2 piese
	911/5 Cutie scule 5 compartimente (460x210x220 mm)	1 piesa

911/5ak3U

Trusa profesionala de scule pentru lacatusi TSL 86 piese

UNIOR

902226	86	20000	1K	1	4394.92

	110/1CB Set de chei fixe in cutie de carton 6-22 mm / 8 piese (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22)	8 piese
	180/1CB Set de chei inelare dublu cotite in cutie de carton 6-22 mm / 8 piese (6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22)	8 piese
	125/1CS Set de chei combinate scurte in cutie de carton 8-19 mm / 8 piese (8, 9, 10, 12, 13, 14, 17, 19 mm)	8 piese
	220/3SLPH Set de chei locas hexagonal in suport de plastic 1.5-10.0 mm / 9 piese	9 piese
	190.3/1 Antrenor cu parghie glisanta 1/2" (300 mm)	1 piesa
	190.4/1 Prelungitor lung 1/2" (125 mm si 250 mm)	1 piesa
	190.1/1ABI Antrenor cu clichet 1/2" maner multicomponent (260 mm)	1 piesa
	190/1 6p Capete chei tubulare 1/2" (8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 30, 32 mm)	21 piese
	192/2HX Capete chei tubulare cu profil hexagonal exterior 1/2" (HX14 si HX 17)	2 piese
	406/1BI Cleste combinat maner de bimaterial pentru conditii grele (180 mm)	1 piesa
	447/1HPP Cleste reglabil cu 10 pozitii manere bimaterial (240 mm)	1 piesa
	466/1BI Clesti tais lateral pentru conditii grele cu maner bimaterial (180 mm)	1 piesa
	492/6 Cleste industrial pentru tevi (2")	1 piesa
	556A Cutter (160 mm)	1 piesa
	569R/7P Foarfeca universala de tabla pana la 1,25 mm (250 mm)	1 piesa
	605TBI Surubelnite cu varf plat si maner trimaterial (0.8x4.0x100 mm, 1.0x5.5x 125 mm, 1.2x6.5x150 mm, 1.6x10.0x200)	4 piese
	615TBI Surubelnita Phillips si maner trimaterial (PH1x80, PH2x100)	2 piese
	1279 Ac de trasat (150 mm)	1 piesa
	642/6 Punctatoare (4 mm)	1 piesa
	660/6 Dalta lata (150 mm)	1 piesa
	1280 Rigla gradata (500 mm)	1 piesa
	710P Rulete (5 m)	1 piesa
	760HB Pila dreptunghiulara bastard cu maner multicomponent (200 mm)	1 piesa
	271 Subler mecanic de exterior, interior, cu tije de adancime (0-150 mm)	1 piesa
	777/6C Razuitor cu trei muchii si maner lemn (150 mm)	1 piesa
	812 Ciocan lacatuserie (200 g si 500 g)	2 piese
	820A Ciocan masa plastica (Ø 32 mm)	1 piesa
	750B Cadru bomfaier (300 mm)	1 piesa
	750.1B Set 2 panze bomfaier HSS Bi-Metal debitare otel dur (300 mm)	1 piesa
	911/5 Cutie scule 5 compartimente (460x210x220 mm)	1 piesa


UNIOR
METALMINOTTI
COOPER AND UNCONVENTIONAL COOPER ALLOYS
DIAGER
Eklind
GRAVUREM
PORT-BAG
WILPU
saw blades
BIPICO
EGA Master
ART IN INNOVATION
TOMÉ FEITEIRA
OZAT
2000 LTD.
werka
kappa by JAR
Fintie
INSIZE
wellershaus
BOC
BOHRCRAFT
STAYER
ABSINA
boa
BMS
TORQUE SOLUTIONS
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1966
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freud.
FIRST
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