



**The complete
range of tools for industry
and electrical trade**



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Available for you worldwide

CIMCO is represented internationally by associated companies or renowned commercial agencies (see last page). Foreign markets are supported with all means of modern merchandising that are tailor-made to the special features of the local country.



Company profile

CIMCO tool factory was founded in Remscheid in 1827 and is still today settled in this traditional stronghold of the European tool industry. From the beginning, the family owned company has been devotedly following its philosophy by manufacturing tools that meet the professionals' highest requirements. Therefore optimal materials, professional workmanship and control as well as the continuous adjustment to individual customer needs and new technological challenges are required. This has allowed the company to successfully develop from a regionally active plier factory to an internationally recognised manufacturer and distributor of high quality tools.

CIMCO is among others member of the following organizations:

- Zentralverband Elektrotechnik und Elektroindustrie e. V., Frankfurt a. M.

ZVEI:

- Fachverband Elektrotechnische Handwerke NRW, Dortmund

- ISD Interseroh



- Fachverband Werkzeugindustrie e. V., Remscheid

FWI

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Product quality



Safety tested

Numerous trade and industry electricians trust in CIMCO quality tools daily. Due to this fact we place particular emphasis on safety tools in our in-house production. Internally developed production techniques are installed here to manufacture special protective insulation.

Ambitious quality control

You can always rely on the safety of CIMCO tools. All insulated tools are tested individually in a water bath at a voltage of 10,000 V according to existing guidelines. CIMCO has completely automated this testing process by installing an industrial robot, probably the only manufacturer to do so world wide.



Permanent innovations

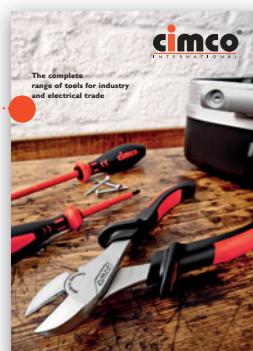
The constant optimisation and expansion of our product range by useful innovations is a permanent feature of our business strategy. Therefore CIMCO is always one step ahead of the changing requirements of the market. Features like flexibility and mobility are more and more important also in trade and electrical professions – they demand adequate implementation in the development of tools. That is why all CIMCO products are manufactured for wide application and can adjust to many different situations.



One-stop-shopping

thanks to the enormous product range

Do you know of a larger assortment of hand tools for the electrical industry? We don't! This catalogue offers the electrical wholesalers, along with all specialities, special sizes and latest products at a glance, everything from one source. It helps to minimise the number of suppliers and to reduce the process costs in purchasing, receiving, stocking and accounting.



Marketing

Sales display – stock, seller and business card



"Buying by seeing" – our products are mostly bought in the wholesalers pick-up areas. An attractive product presentation guarantees sales success! Due to a long experience CIMCO can provide especially produced shop displays to the wholesalers. CIMCO offers with open sales walls, high-quality glass showcases or complete shop-in-shop-systems in the customer's corporate design plenty of optically appealing and verifiably promotional possibilities for clear stocking and presentation of the range.

This comes with no risk for our dealer customers: all displays will be delivered, arranged and decorated by especially trained CIMCO sales assistants free of charge (under reservation of proprietary rights).



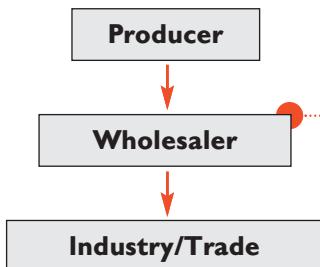
Success by sales promotions

CIMCO is known for continual strong-selling and high-yield sales promotions. New products, special price offers and so called "add-on-promotions" are shown on leaflets which the wholesaler can request free of charge in any desired amount printed with his logo and address. This enables the wholesaler to generate more turnover with less of his own effort.



cimco®

Sales and service



Clear sales channels

CIMCO communicates clearly the three-step sales channel "manufacturer-wholesaler-user". Neither direct sales to the industry or trade nor to retailers like DIY-markets find a place in our sales policy. Customer loyalty is our prime principle.

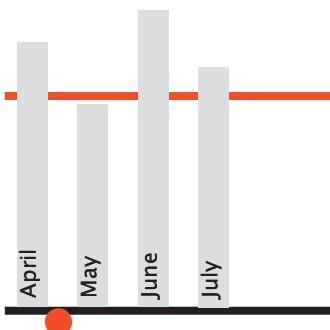
On site – personally for you

An extensive network of committed sales assistants support wholesalers and users of our tools personally on site. Whether at product trainings, user workshops, counter days or hundreds of in-house exhibitions and trade fairs: your CIMCO agent is always close by and can support you with competent advice and active sales promotion. You can find a list of all representatives on the last page.



Counter displays

No work, no risk – that is the success formula for counter sales increase! With our counter displays, we offer you as a wholesaler the option of periodically presenting new tool features and innovations directly to your pick-up customers at the counter. It is proven that our customers on average increase their "pick-up" turnover between 20% and 40%. Our sales employees will gladly provide you with information on our current new features and the presentation options they offer.



Delivery reliability

On average, 97.5% of all CIMCO catalogue products are permanently stocked. By consequent use of our broad logistics controlling system we achieve further improvement on our delivery rate.

Logistics

For the sake of the environment

All CIMCO sales and delivery packaging are reusable or recyclable thanks to the easily separable materials. CIMCO has already been working with disposal companies such as ISD Interseroh for years.



Rapid order processing

The receipt of a customer's order to the delivery normally takes less than 36 hours. Due to efficient logistics partners, every CIMCO customer receives the required goods within 3 to 4 days, in urgent cases – if the order arrives at CIMCO before noon – delivery could be on the next working day.



Customised logistic services

Individual demands of our customers such as reusable transport systems, on-time inland and abroad delivery, delivery tracing by internet or special packaging requirements are no problem for us – we'll sort it!



If it's really urgent!

The wholesaler is normally unable to stock tools of exceptional sizes and special tools. But it are these specialities which are urgent when required, CIMCO provides direct delivery to the user or the building site – within Germany without extra charge!

Logistics

cimco

HARDHELL – TOOL CASES

1



Integrated tool insertion slots
for professional tool storage



Profile grid in case bottom to
keep the inserts firmly in
place



Outer hinges integrated
into the frame

Diamant

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Two gas shock absorbers ensure
easy opening of the case



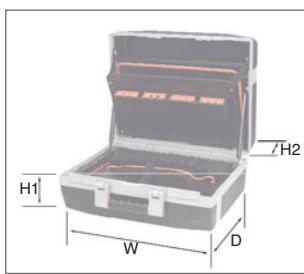
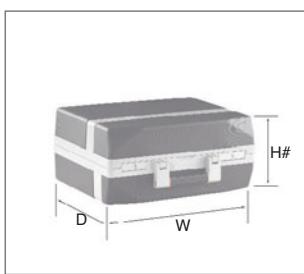
Removable tool boards for
more flexibility



Tool boards with end stops



Especially high and robust feet
for maximum standing stability



$$H\# = H1 + H2$$

1

Tool case METRO

Reasonably priced, absolute professional hardshell tool case, specifications: shell made of ABS-material, surrounding aluminium frame with 2 integrated lockable tip-locks, loading capacity up to 15 kg, 2 tool boards with a total of 26 tool pockets, document clipboard 400 mm wide, bottom shell can be individually subdivided incl. separating elements, cover-holder and hinges made of metal, plastic bottom-slider.

Weight 3500 g 385/490/190 mm 350/460/105/60/165 mm 1 17 0073



2

Master case CHAMPION

Pro-hardshell case with outstanding cost effectiveness! Broad aluminium frame for high stability, shells made of extremely shock and drop resistant polypropylene, extra capacious bottom shell with diverse gates for useful separation in small boxes, 3 tool boards with numerous pockets of different size for reliable storage of hand tools of all kinds, 3 metal hinges with snap-in locking allowing the case to be opened without additional braces, comfort carrying handle with soft rubber wadding, 2 robust lockable snaps, nameplate.

Weight 5200 g 380/485/220 mm 350/470/120/90/210 mm 1 17 0930



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Tool case CHAMPION Double**with 180° opening function**

Shells that open 180° on both sides provide the case with a particularly good upright stability (both case shells can lie flat for a stable case position). The two shells made of extremely impact- and drop-resistant polypropylene are connected by means of 3 double-functioning metal hinges (hinge function for upper and lower shell) on the 3 aluminium frames and secured by 4 clamp-locks. With 4 locking hinges in the case, the upper and lower shells can be opened and closed precisely. In addition, the case shells also remain stable when open or full. The handle with soft rubber wadding provides fatigue-free carrying. The case has a carrying capacity of up to 35 kg and is equipped with 4 tool boards with 6 pockets. The bottom shell can be variably divided with separators so that machines or small parts can be transported securely.

Weight 6800 g 385/485/245 mm 350/470/115/100/215 mm 1 17 0935

**Master case CHAMPION – roller case**

Professional hardshell case (like 17 0930) with integrated roller system and 4-fold telescopic handle for high mobility and comfort. The extra wide rollers on the outer shell of the case provide it with extra tipping stability. Broad aluminium frame for high stability, shells made of extremely impact- and drop-resistant polypropylene, extra capacious bottom shell with diverse gates for individual division into small boxes, 3 tool boards with numerous pockets of different sizes for secure storage of hand tools of all kinds, 3 metal hinges with snap-in locking and two additional interior braces hold the case securely open, comfort carrying handle with soft rubber wadding, 2 robust lockable snaps, nameplate.

Weight 6850 g 375/485/250 mm 350/470/135/90/225 mm 1 17 0932

**Master case KLASSIK**

Pro-hardshell case made of impact-resistant 3 mm strong ABS-plastic with aluminium frame, 3 tool boards with many tool pockets, separate document holder, bottom shell with individually adjustable separating elements for small parts, measuring devices, tools, etc., 2 locks. Weight 4500 g.

black 380/450/210 mm 350/440/105/80/185 mm 1 17 0075

red 385/450/205 mm 345/435/105/80/185 mm 1 17 0070



Master case BOMBER

Innovative, double-walled hardshell case made of impact-resistant and shock-proof polyethylene. Extreme durability, almost indestructible. Resistant to high and low temperatures and many chemicals. With 2 tool boards, 2 lockable clamp-locks, document box, adjustable partitionings in bottom.

Weight 5500 g 360/475/205 mm 315/430/80/70/150 mm 1 17 0076



Master case MEGA-WHEEL

Double-walled shells of impact-resistant and break-proof polyethylene, highly temperature and chemical resistant, 80 mm deep bottom shell with separating walls for flexible interior division according to individual needs, 2 removable boards with innovative, patented FLEXIPOUCH pockets for storing tools and small parts, capacious two-part document box, metal cover holder stable on both sides, 2 large rollers (\varnothing 98 mm!) with ball bearings for more stability and robustness, 4 rubber bottom-sliders and appropriate recesses on the case cover make the case securely stackable. The telescopic handle is discretely integrated into the bottom shell and does not get in the way during normal case transport. The handle can be extended to ergonomically comfortable 115 cm. Handle with soft rubber wadding and abutment springs, 2 stable key locks.

Weight 8000 g 410/550/245 mm 370/475/110/75/185 mm 1 17 0074



Master case MODULAR

This hardshell case defines new standards!

Flexibility:

Patented click system for quick insertion and removal of tool boards in the required number (max. 3), bottom shell of case with an innovative system for subdivision: clip-on dividing frames are simultaneously variable and difficult to lose. The case is revolutionary with the accessories "telescopic system" and "trolley". All individual working environments and mobility requirements are taken into account with these optional features.

Design:

Shells made of highly shock-resistant plastic, edges especially consolidated with attractive coloured protection caps, 2 tool boards with many pockets, 2 high-quality chromium-plated locks, chromium-plated carrying handle with soft rubber wadding.

Further equipment specifications:

3 stable bottom-slider hinge-elements, additional combination lock, all movable parts are screwed for unproblematic replacement.

Weight 6300 g 385/490/240 mm 345/465/105/115/220 mm 1 17 1000



Telescopic system for master case MODULAR

Stable mounting frame with 4 height-adjustable telescopic legs, which lift the MODULAR case to an ergonomically pleasing working height between 450 and 730 mm and provides secure positioning even on extremely uneven surfaces. Can also be used separately as a work table. Simple attachment on the bottom side of the case with 4 toggles (= case bottom-sliders), telescopic legs can be folded away and height-adjusted with quick release fasteners, weight 2000 g.

folded up 450 x 50 x 350 mm 1 17 1006



Trolley for master case MODULAR

This attachment set provides mobility and ergonomics: heavy loads are moved effortlessly. 2 stable castors, aluminium telescopic handle with 2 extension lengths to select from (800 and 1100 mm). Simple attachment on the bottom side of case with 4 toggles (= case bottom-sliders), trolley can also be used alone for transporting loads up to 30 kg.

Weight 1600 g

folded up 490 x 260 mm 1 17 1004

1 Super master case PERFEKT

The elegant, stable, robust hard shell case with 3 tool boards = 4 push-in brackets and one document-box. Bottom shell with grid layout and separators for reliable placement of measurement instruments and small parts. The HIGHLIGHT: The new tool boards with a sensational clamp effect. Small and large tools can be fixed without much organisation and will be held safe. Also during transport and even if case is upside down.

Weight 4900 g 355/485/180 mm 305/455/100/65/165 mm 1 17 5075

Tool case "red", similar to model no. 17 5075 but larger internal dimensions, without document box

Weight 5100 g 400/495/205 mm 355/465/110/75/185 mm 1 17 5076



2 Super master case PERFEKT - roller case

Further development of the popular mastercase PERFEKT No. 17 5075, now in "king-size-format" with integrated roller-system for high mobility and comfort. Pulling and pushing the case is possible thanks to the extra-wide four-fold telescopic handle (up to 1050 mm) and rubberised, large rollers running on bearings with wide wheel-base (tilt resistant). Aluminium double frame with carrying capacity of up to 40 kg, 2 shapely, lockable clamp-locks, 2 locking hinges with case cover latching, protective integrated bottom-sliders, 2 robust washable tool boards of ConPearl® with a patented clamping system that holds all types of hand tools without sliding, fatigue-free carrying thanks to the ergonomic handle with upholstered grip mould in springy material.

Weight 6600 g 400/495/240 mm 355/465/110/105/215 mm 1 17 5078



3 Tool case JUMBO

Extremely voluminous tool case, perfect for carrying tools, electrical machines and components simultaneously.

Made of unbreakable, impact-resistant and shock-proof HDPE plastic, multiple riveted with exceptionally robust aluminium frame, simple and comfortable transport thanks to 2-step pull-out telescopic handle and large rollers with ball bearings, 2 removable click system tool boards with innovative, patented FLEXIPOUCH pockets, 1 document box, 2 removable small plastic boxes for small parts, 2 stable lockable snap locks, 2 hinged handles for optional vertical or horizontal transport, 4 rubber bottom-sliders.

red

Weight 8500 g 415/500/355 mm 390/465/195/140/335 mm 1 17 0072

black

Weight 8500 g 415/500/360 mm 385/465/195/145/340 mm 1 17 0071



4 Tool case DELUXE

Elegant aluminium case made for high-tech installation and service, cold formed shells in solid anodized aluminium, bottom shell with pre-cut cube-shaped foam inserts for the safe transport of sensitive components and equipment such as a laptop, measurement instruments, printed circuit boards etc., double aluminium frame provides highest stability and is non-warping, 2 tool boards with many pockets, separate document bag, 2 chromed designer locks, additional combination lock, ergonomic soft-grip handle.

Weight 6000 g 375/485/195 mm 355/470/100/75/175 mm 1 17 3200



Master toolcase **Diamant**

The revolution in hardshell tool cases

Revolutionary stability:

- Case shell of 3.5 mm ABS (airworthy)
- Reinforced aluminium frame (individual frame)
- Hinges for case shells integrated into frame
- Large aluminium handle with plastic wadding
- Two cylinder locks countersunk in the frame
- Especially high and robust feet for maximum standing stability

Revolutionary comfort:

- Two gas shock absorbers ensure easy opening of the case
- Tool boards in the upper case shell with 30° incline for easier tool removal
- Profile grid in the case bottom for raaco Carry-Lite 55 inserts
- Tool boards with innovative end stops
- Made of recyclable materials
- Ease-of-repair orientated design and development

Master toolcase DIAMANT 25

Carrying capacity up to 25 kg. Two removable tool boards with rubberised tool insertion straps and a document compartment. Additional tool board with rubberised tool insertion straps in the base plate.

Delivery incl. 5 raaco Carry-Lite 55 inserts to safely store small parts and accessories.

Weight 5300 g 375/488/210 mm 290/415/50/90/140 mm 1 17 8010

Case as described above but with integrated tool insertion slots in the base plate.

Weight: 5300 g 375/488/210 mm 290/415/50/90/140 mm 1 17 8015

Master toolcase DIAMANT 30

Carrying capacity up to 30 kg, case shells equipped with an additional aluminium frame for increased stability, two removable tool boards with rubberised tool straps and insertion slots and a document box. Additional tool board with integrated tool insertion slots in the base plate.

Delivery incl. 5 raaco Carry-Lite 55 inserts to safely store small parts and accessories.

Weight: 5900 g 375/488/210 mm 290/415/50/90/140 mm 1 17 8075

Master toolcase DIAMANT 35

corresponds to article no. 17 8075, but with carrying capacity up to 35 kg.

Weight: 6400 g 430/498/235 mm 340/240/50/100/150 mm 1 17 8077

Master toolcase DIAMANT 40

corresponds to article no. 17 8075, but with carrying capacity up to 40 kg.

Case shells equipped with two additional aluminium frames for complete stability.

Weight: 6100 g 375/488/210 mm 290/415/50/90/140 mm 1 17 8175

Master toolcase DIAMANT 45

corresponds to article no. 17 8175, but with carrying capacity up to 45 kg.

Weight: 6800 g 430/498/235 mm 340/240/50/100/150 mm 1 17 8177

Master toolcase DIAMANT 45 with trolley function

corresponds to article no. 17 8177, including 4-stage extendable trolley system for the greatest possible mobility.

Extension height of 110 cm with two stable castors.

Weight: 8100 g 440/498/270 mm 340/420/50/100/150 mm 1 17 8178



NEW



NEW



NEW



NEW



Explorer case

The case originally designed for the military is especially suitable for hard everyday use. It protects its contents from water and dust, is air-tight, acid-resistant, pressure-resistant, impact-resistant and almost indestructible. The acid-resistant bolts in the hinge and lock area, together with the integrated rubber seal, provide the case with an IP 67 protection rating. In addition, the case can be secured with an additional shackle lock in the lock area. Plastic supports on the case provide increased standing stability. To compensate for positive pressure the case is equipped with a hand valve. The name plate can only be replaced when the case is open. The extremely wide and stable handle with especially good haptic characteristics increases carrying comfort.

Additional sizes and colours available upon request.

without foam inserts	220/180/105 mm	125/190/65/20/85 mm	1	17 0082
without foam inserts	220/245/120 mm	160/220/75/20/95 mm	1	17 0084
without foam inserts	305/360/195 mm	240/330/100/70/170 mm	1	17 0085
without foam inserts	335/410/210 mm	270/375/130/45/175 mm	1	17 0086
without foam inserts	440/515/230 mm	365/475/155/50/205 mm	1	17 0088

With the foam inserts in the bottom and top shells, the interior of the case can be adjusted to meet many special requirements.

with foam inserts	220/180/105 mm	125/190/65/20/85 mm	1	17 0182
with foam inserts	220/245/120 mm	160/220/75/20/95 mm	1	17 0184
with foam inserts	305/360/195 mm	240/330/100/70/170 mm	1	17 0185
with foam inserts	335/410/210 mm	270/375/130/45/175 mm	1	17 0186
with foam inserts	441/515/230 mm	365/475/155/50/205 mm	1	17 0188

Multi-transport box

of extremely resistant polypropylene, water-repellent, impact-resistant, cold and heat-resistant, with transport rollers and fold-away handles. With two insert shells and additional dividers for clearly arranged tool storage. Wrist straps included in scope of delivery. The case can be secured with additional shackle locks in the closing area. The name plate can only be replaced when the case is open. Transport option by means of two carrying handles and a recessed carrying handle. Trolley function by means of side-mounted handle and two transport rollers. Thanks to its low dead weight and stackable design this case is the ideal all-rounder

Weight 6300 g	460/805/355 mm	410/780/280/50/330 mm	1	17 0194
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TOOL BAGS

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Flexible storage

Thanks to the 15 pockets and 15 flexible retaining plates, you can organise your backpack trolley according to your needs. The tool boards can be used as needed; you can easily exchange them or remove them with the swivel.



Telescopic handle

Both the easily extendable telescopic handle and the padded carrying straps provide pleasant carrying and transporting comfort.



1 Tool cases made of solid cowhide

with galvanised, riveted sheet metal bottom trough, folding down front, front and back walls, bottom, cover and extra-strengthened side parts, solid carrying handle, 2 locks, key locks at the side, bottom-sliders, lateral loops for shoulder strap, inner surfaces with numerous tool pockets and adjustable loops, outer edges additionally consolidated with aluminium corners.

Weight 2200 g 225/390/175 mm 220/370/- /155/155 mm 1 17 6020

with document compartment on front

Weight 2900 g 285/440/200 mm 225/425/- /160/160 mm 1 17 6024

with document compartment on the front and loops instead of pockets

Weight 2750 g 290/435/200 mm 250/420/- /160/160 mm 1 17 0924



with additionally folding back panel, removable partition and document compartment on the front

Weight 4100 g 335/445/205 mm 305/425/80/80/160 mm 1 17 6027

Weight 5300 g 375/500/245 mm 340/475/85/80/165 mm 1 17 6028



8 Industrial electrician tool bag

made of durable cowhide, extra robust, front, middle and back panel with 17 pockets with reliable internal division, transparent clamping compartment in cover, removable carrying strap, with robust key lock.

Weight 1200 g 270/250/165 mm 250/225/- /140/140 mm 1 17 6000



11 Tool case made of solid cowhide

with 2 key locks, extra strengthened bottom and side parts, inner surfaces with leather loops.

Weight 920 g 190/370/125 mm 175/330/- /115/115 mm 1 17 0004

14 Tool cases made of solid cowhide

especially for safety tools and protection devices, all outer edges strengthened with aluminium corners, side parts, front and back panels, extra strengthened bottom and cover, folding front panel, key locks, lateral closures, solid cleat-carrying handle, numerous tool pockets, lateral loops for shoulder strap, bottom sliders

additionally with document compartment on the front, foldable back panel, flap compartment for small parts, partition, foam insert with recesses for sockets.

Weight 6000 g 350/470/250 mm 335/445/75/125/200 mm 1 17 0078

additionally with document compartment in front.

Weight 3200 g 280/430/205 mm 250/415/- /160/160 mm 1 17 6025



19 Shoulder strap

made of leather with shoulder-cover and 2 spring hooks, for leather tool bags.

length adjustable up to 1150 mm 1 17 0060



22 Tool backpack

Backpack for tool transport and storage, special configuration diversity and high-quality workmanship for professional use: plastic back with comfort-padding, adjustable, padded shoulder straps, adjustable lap belt, document compartment in front, numerous pockets, holding straps and removable inner pockets for tools, small parts, documents etc., carrying handle, 4 stable bottom sliders.

Weight 2300 g 440 x 340 x 180 mm 1 17 0430



Tool backpack trolley

Made of wear-resistant and tear-resistant synthetic fabric. With integrated trolley, protective cover for the wheels, 2 padded carrying belts and a handle. The backpack trolley has a padded laptop compartment and a total of 30 different tool holders (15 pockets and 15 rubber straps). In addition, the backpack has 2 fastening straps and 4 outside pockets (2 with zips). The tool boards can be used as needed and they can be easily exchanged or removed with swivel fasteners.

Weight 4300 g 500 x 380 x 200 mm

1 17 0440



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Storage bag for laptop computers and accessories

Functional and very lightweight carrier bag with numerous compartments for documents, business cards, mobile phone and accessories, 2 special padded inner compartments for laptop and additional equipment, i.e. printer, removable pocket for power supply etc., fixed with Velcro fastener, made of durable black polyester / Koskin fabric.

Weight 1250 g 410 x 130 x 340 mm

1 17 5150



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Rollable tool bag

Made of plastic with a fabric backing, with leather strap closure

12 compartments 530 x 320 mm

1 17 0142

20 compartments 760 x 320 mm

1 17 0144



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Tool box

Made of sheet steel, lacquered inside and outside, five-piece, lockable (shackle lock accessory)

5 compartments 540 x 200 x 200 mm

1 17 0212



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Brass lock

Brass block body, hardened steel shackle, with 2 keys

Size mm	Shackle Ø mm	Shackle width mm	Shackle height mm		
40	6	20	19	1	17 0252



Tool belt bag

Made of thick, hard-wearing, smooth cowhide,

1 insulating tape roll holder, 5 outside pockets, 1 hammer loop, weight 500 g

230 x 100 x 230 mm

1 17 0705



Cowhide belt

1200 x 40 mm

1 17 0780



the flexible bag-system for the professions of today and tomorrow!

WORK-Line is more than a complete product range of tool bags! Understand WORK-Line as a new organising system for your work: an interaction of carefully reconsidered storage and transport bags, which adapt themselves to your individual needs in different working situations! All elements of WORK-Line are functional and convenient, due to the flexible combination options of the all-purpose bags you also obtain maximum flexibility that corresponds to your changing requirements!

All WORK-Line products are made of the wear-resistant and tear-resistant, lightweight and special weatherproof synthetic fabric polyester 600 D in a modern two-colour design. The bags and accessories are visually accentuated with reflector ribbon from 3M.

All imaged articles are delivered without content.

Padded belt

60 mm wide, continuously variable width from 84 to 116 cm, large snap for fast single-hand operation.

Weight 130 g

1 17 0782



Mobile phone bag

bag especially for mobile phones or for glasses, measuring instruments and other sensitive small devices, specially padded, velcro fastening, 2 pencil holders, universal-metal-clip for fixing to belts and bags of all kind.

Weight 70 g

80 x 35 x 155 mm

1 17 5102



Cordless screwdriver bag

Holster to hold all common battery-powered screwdrivers, transport security via fastening strap with Velcro fastener, 4 pockets for accessories such as drills, bits, pencils, etc., especially robust design due to padding, reinforced material and rivets, belt loop.

Weight 120 g

180 x 340 mm

1 17 5104

Bit pocket

foldable bag for screw-bits and accessories, intakes for 12 bits, 5 drills and one bit-holder, velcro fastening, universal metal clip for attaching to belts and bags of all kind.

Weight 120 g

130 x 20 x 180 mm

1 17 5106



Small inventory bag

2 pockets for diverse tools and utensils such as notepad, measuring tape etc., particularly suitable for storing screws and nails thanks to the robust padding, pencil holder, fixing band with Velcro fastening, rivet-reinforced belt loop.

Weight 60 g

100 x 55 x 195 mm

1 17 5108



Small universal bag

bag for tools and utensils, 3 pockets, snap ring for keys, measuring tape etc. Velcro fastening, universal metal clip for attaching to belts and bags of all kind.

Weight 120 g

105 x 60 x 170 mm

1 17 5110



Electrician belt bag

tool belt bag with numerous functional details, 1 large and 2 small pockets, 6 different sized elastic fastening straps for screwdrivers, drills etc., inner zip-bag for documents, large elasticated holder strengthened with rivets for hammer, pliers and so on, metal chain and holder for several rolls of electrical tape, made of strengthened special fabric, belt loop.

Weight 350 g

280 x 50 x 285 mm

1 17 5112



Tool body bag

with numerous functional details in reinforced special fabric, 2 capacious inner compartments, small inner compartment with Velcro fastening, 6 elastic holders for writing utensils, drills, screwdrivers etc., zipped compartment at the front, bag cover closable with Velcro fastener and/or 2 zips (one-hand operation), integrated size-adjustable apron with 3 additional pockets, integrated belt with continuously variable width of up to 160 cm with large snap lock for convenient one-hand operation, belt can also be used as shoulder strap, so that the body bag changes into a shoulder bag.

Weight 750 g

300 x 95 x 210 mm

1 17 5114



Tool vest

More liberty isn't possible! Tools always close at hand and both hands are free! Numerous functional equipment details for professional application: padded pocket for mobile phones, glasses etc., with velcro fixing band and elasticated holder for writing utensils, 2 breast-pockets with velcro fastening, 1 of which is foldable with 4 inner pockets, 2 large padded waist bags for diverse tools, 1 with velcro fastening flap, 8 small elastic holders for writing utensils, drills screwdrivers etc., zip chest pocket for business cards, pocket with window, i.e. for name tag, rivet-strengthened wide holder for hammer, pliers etc., large backside pocket with 2 zips for small parts and documents, accessible from the left and right, comfortable padded shoulder straps, vest in standard size, individually adjustable width.

Weight 1000 g

480 x 660 mm

1 17 5120



Tool and document bag

Tool bag for service technicians, perfect for smaller maintenance works and installations, 3 pockets for business cards, 2 elastic holders for mobile phone, measuring tape, small tools etc., 18 pockets of different size for tools of any kind, 4 ring binders for catalogues and other documents. Removable clipboard with the following features: clipboard up to max. DIN A-4 papers, elastic pen-holder, 9 elastic holders of different size for writing utensils, screwdrivers, small tools etc., zipped bag for small utensils.

DIN A 4 document bag with velcro fastener on the front, 2 carrying handles.

Weight 1300 g

385 x 70 x 290 mm

1 17 5130



Tool, document and laptop bag

The top model of WORK-Line: tool case, briefcase and laptop computer case, all in one! Completely folding tool bag with zip, 9 tool pockets of different size, 15 different elastic holders for small tools, screwdrivers, writing utensils etc., integrated laptop computer bag suitable for all usual laptop computers includes separately removable equipment bag for power supply, mouse etc., large document compartment with zip and varyingly large pockets and holders for writing utensils, business cards etc., bag for mobile phone and additional inner zip bag, small external document bag, rubberised carrying handle, detachable, extremely variable carrying strap with shoulder pad.

Weight 1600 g

400 x 130 x 320 mm

1 17 5132



Electrician shoulder bag

Professional storage pockets with flexible clipping system for holding all types of tools. 2 removable tool boards, shoulder strap, 2 side pockets, padded handle. Includes two small organiser boxes.

Weight 1300 g

200 x 300 x 100 mm

1 17 5134



TOOL ASSORTMENTS

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cimco®

Electric master case

Article no., equipped	Master case KLASSIK „Electric White Goods“	Master case PERFEKT „Electric White Goods“	Master case PERFEKT „Electric Electronics“	Master case KLASSIK „Electric Electronics“
article no.	17 0333	17 5333	17 5410	17 6410
Description	see catalogue p. 8	see catalogue p. 10	see catalogue p. 10	see catalogue p. 8
Telephone pliers with straight jaws	200 mm	•	•	•
Telephone pliers with bent jaws	200 mm	•	•	
Round nose pliers	160 mm	•	•	
Combination pliers	180 mm	•	•	•
Heavy duty side cutter	200 mm	•	•	•
Wire stripper 0.5 to 6 mm ²	160 mm	•	•	•
Water pump pliers	250 mm	•	•	
Electronic side cutter	115 mm	•	•	•
Electronic needle nose pliers with bent jaws	130 mm		•	•
Tweezer, bent, pointed, finely serrated jaws	120 mm		•	•
Flexible pick-up tool	540 mm		•	•
Control mirror, 30 mm diameter	275 mm		•	•
Electrician slot-head screwdriver (Blade dimensions)	3.0 x 0.5 x 100 mm 4.0 x 0.8 x 100 mm 5.5 x 1.0 x 125 mm 6.5 x 1.2 x 150 mm	• • • •	• • • •	• • • •
Electrician Phillips screwdrivers (Blade dimensions)	PH 1 x 80 mm PH 2 x 100 mm PZ 1 x 80 mm PZ 2 x 100 mm	• • • •	• • • •	• • • •
Insulated screw-holding screwdriver	4.0 x 0.8 x 125 mm		•	•
Electronic slot-head screwdriver	2.0 x 0.4 x 60 mm	•	•	•
Angled slot-head screwdriver	5.0 x 0.65 x 100 mm		•	•
Angled Phillips screwdriver	PH 1 and PH 2 x 100 mm		•	•
Hexagon socket wrench (Wrench size across flats)	5.5 mm 7 mm 8 mm 10 mm		• • • •	• • • •
Set of socket wrenches 1/4"	33-part	•	•	
Hexagonal allen key set, 7-part	2.5 to 10 mm	•	•	
Voltage tester, 120 to 250 V AC	140 mm	•	•	•
Universal shear	190 mm	•	•	•
Telephone shear, serrated	130 mm		•	•
Varnish stripper 0.6 mm (AWG 22)	125 mm		•	•
Automatic cable stripping knife	8 to 28 mm diameter	•	•	•
Cable stripping knife with plastic handle	with scraper	•	•	•
Pocket saw PROFI	150 mm spread	•	•	
Piercing awl, 6 mm (reamer)	100 mm	•	•	
Safety cross peen hammer	300 g	•	•	
Electronic solder 60 % Sn, 1.5 mm	100 g	•	•	
Quantity of tools	27	27	31	31



17 0333



17 5333



17 5410



17 6410

cimco®



Electric master case

Master case
DIAMANT 30
„Electric“

Master case
DIAMANT 40
„Electric“

Article no., equipped	17 0431	17 5431
with tool case	Master case DIAMANT 30	Master case DIAMANT 40
Article no.	17 8075	17 8175
Description	see catalogue p. 11	see catalogue p. 11
Telephone pliers with straight jaws	200 mm	•
Telephone pliers with bent jaws	200 mm	•
Round nose pliers	160 mm	
Combination pliers	180 mm	•
Heavy duty side cutter	200 mm	•
Wire stripper 0.5 to 6 mm ²	160 mm	•
Water pump pliers	250 mm	•
Electronic side cutter	115 mm	•
Electronic needle nose pliers with bent jaws	130 mm	
Tweezers, bent, pointed, finely serrated jaws	120 mm	
Flexible pick-up tool	540 mm	
Control mirror, 30 mm diameter	275 mm	
Electrician slot-head screwdrivers (Blade dimensions)	3.0 x 0.5 x 100 mm 4.0 x 0.8 x 100 mm 5.5 x 1.0 x 125 mm 6.5 x 1.2 x 150 mm	• • • •
Electrician Phillips screwdrivers (Blade dimensions)	PH 1 x 80 mm PH 2 x 100 mm PZ 1 x 80 mm PZ 2 x 100 mm	• • • •
Insulated screw-holding screwdriver	4.0 x 0.8 x 125 mm	
Electronic slot-head screwdriver	2.0 x 0.4 x 60 mm	•
Angled slot-head screwdriver	5.0 x 0.65 x 100 mm	
Angled Phillips screwdriver	PH 1 and PH 2 x 100 mm	
Hexagon socket wrench (Wrench size across flats)	5.5 mm 7 mm 8 mm 10 mm	
Set of socket wrenches 1/4"	33-part	
Hexagonal allen key set, 7-part	2.5 to 10 mm	•
Voltage tester, 120 to 250 V AC	140 mm	•
Universal shear	190 mm	•
Telephone shear, serrated	130 mm	
Varnish stripper 0.6 mm (AWG 22)	125 mm	
Automatic cable stripping knife	8 to 28 mm diameter	•
Cable stripping knife with plastic handle	with scraper	•
Pocket saw PROFI	150 mm spread	•
Piercing awl, 6 mm (reamer)	100 mm	•
Safety cross peen hammer	300 g	
Electronic solder 60 % Sn, 1.5 mm	100 g	
Quantity of tools	23	23



17 0431



17 5431



17 0331

cimco®



17 0376



17 5331



17 1076



17 0374

 cimco®

3

Electrician apprentice case

Super Apprentice case



17 0300



17 2004



17.0500

Article no., equipped with tool case	17 0300
Description	17 0924 see catalogue page 14
Telephone pliers with straight jaws	200 mm •
Combination pliers	180 mm •
Heavy duty side cutter	200 mm •
Wire stripper 0.5 to 6 mm ²	160 mm •
Electrician slot-head screwdrivers (Blade dimensions)	3.0 x 0.5 x 100 mm • 4.0 x 0.8 x 100 mm • 5.5 x 1.0 x 125 mm • 6.5 x 1.2 x 150 mm •
Electrician Phillips screwdrivers (Blade dimensions)	PH 1 x 80 mm • PH 2 x 100 mm • PZ 1 x 80 mm • PZ 2 x 100 mm •
Voltage tester, 120 to 250 V AC	140 mm •
Automatic cable stripping knife	8 to 28 mm ø •
Cable stripping knife with wooden handle	with scraper •
Pocket saw PUK	150 mm spread •
Painter's spatula	width 40 mm •
Plaster cup made of soft rubber	125 mm ø •
Water brush	24 mm ø •
Cross peen hammer with ash handle	300 g •
Sledge hammer with ash handle	1000 g •
Electrician chisel	10 x 8 x 250 mm •
Brick chisel	29 x 300 mm •
Wooden folding ruler	2 m •
Cabinet spirit level with magnet	200 mm •
Carpenter's pencil, black	240 mm •
WET.PROTECT e.basic	50 ml •
Quantity of tools	24

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Hard shell Apprentice case	Hard shell Apprentice case ECO	Hard shell case JUBILÄUM	Tool bag SERVICE	Tool backpack
17 2004	17 0500	17 0175	17 0996	17 0420
Hard shell case in 2-colour design	Hard shell case with Aluminium frame	Tool case METRO	Tool and document bag	Tool backpack
with 2 tool boards, bottom shell, document compartment	with 2 tool boards, bottom shell, document compartment	see catalogue page 8	see catalogue page 17	see catalogue page 14
•	•	•	•	•
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24	24	14	14	14



17 0175



17 0996



17 0420

1000 V safety tool assortments



1000 V

Master case
KLASSIK
„Electric
safety“
17 0370

Master case
KLASSIK RED
17 0070

see catalogue p. 8

Article no., equipped

with tool case

Article no.

Description



17 0370

Telephone pliers with straight jaws

200 mm

•

Telephone pliers with bent jaws

200 mm

•

Round nose pliers

160 mm

•

Combination pliers

180 mm

•

Heavy duty side cutter

200 mm

•

Wire stripper 0.5 to 6 mm²

160 mm

•

Electrician slot-head screwdrivers

2.5 x 0.4 x 75 mm

•

(Blade dimensions)

4.0 x 0.8 x 100 mm

•

6.5 x 1.2 x 150 mm

•

8.0 x 1.2 x 175 mm

•

Electrician Phillips screwdrivers

PH 1 x 80 mm

•

(Blade dimensions)

PH 2 x 100 mm

•

PZ 1 x 80 mm

•

PZ 2 x 100 mm

•

Insulated screw-holding slot-head screwdrivers (without VDE)

3.0 x 0.5 x 100 mm

•

(Blade dimensions)

4.0 x 0.8 x 125 mm

•

Insulated screw-holding Phillips screwdrivers (without VDE)

PH 1 x 150 mm

•

(Blade dimensions)

PH 2 x 175 mm

•

Angled L-key screwdrivers (Allen wrench)

5 mm

•

(Wrench size across flats)

6 mm

•

Hexagon socket wrenches, 1000 V-insulated

5.5 mm

•

(Wrench size across flats)

7 mm

•

8 mm

•

10 mm

•

Single-ended open jaw wrench, 1000 V-insulated

10 mm

•

(Wrench size across flats)

13 mm

•

17 mm

•

19 mm

•

22 mm

•

Flat nose pliers made of solid plastic

200 mm

•

VDE Ratchet (reversible), 1/2"-square drive

250 mm long

VDE T-socket wrench, 1/2"-square drive

200 mm long

Hexagon socket wrench inserts, 1000 V-insulated

10 mm

(Wrench size across flats)

11 mm

•

13 mm

•

14 mm

•

17 mm

•

19 mm

•

Plastic clip for holding rubber drapes

160 mm

Rubber drape, insulating up to 1000 V

1000 x 1000 x 1.6 mm

Slip-on bushes 1000 V, up to 10 mm Diameter

numbered „No. 1“

5 pieces

numbered „No. 2“

5 pieces

numbered „No. 3“

5 pieces

25 m

•

for fuses Size 00 to 3

•

size 10

•

12 to 690 V AC/DC

•

160 mm

•

8 to 28 mm diameter

•

Safety cable knife, 1000 V-insulated

with straight, solid blade

•

Quantity of tools

47



17 0340



17 0372



17.0360

Tool assortments network technology / telecommunications / electronics



17 0334

Master case
,,Mechatronik“
17 0334
master case
KLASSIK
17 0075
see catalogue p. 8



17 0310



17 3210

Article no., equipped with tool case

Article no.

Description

Telephone pliers with straight jaws	200 mm	
Telephone pliers with bent jaws	200 mm	
Telephone pliers	160 mm	•
Combination pliers	180 mm	
Side cutter	160 mm	•
Water pump pliers	250 mm	
Electronic side cutter	115 mm	
Electronic needle nose pliers with bent jaws	130 mm	
Electronic flat nose pliers with short, wide jaws	130 mm	
Crimping pliers ECONOMY for cable connectors	220 mm	•
Crimping pliers for unshielded modular connectors	4-, 6- and 8-pole	
Crimping tool Click 'n' Crimp network technology	with 3 pairs of inserts	
Tweezer, straight, pointed, plain jaws	120 mm	
Tweezer, bent, pointed, finely serrated jaws	120 mm	
Electrician slot-head screwdrivers	2.5 x 0.4 x 75 mm	•
(Blade dimensions)	3.0 x 0.5 x 100 mm	•
	4.0 x 0.8 x 100 mm	•
	5.5 x 1.0 x 125 mm	•
	6.5 x 1.2 x 150 mm	
Electrician slot-head screwdrivers	2.0 x 0.4 x 60 mm	
(Blade dimensions)	2.5 x 0.4 x 75 mm	
	3.0 x 0.5 x 75 mm	
	3.5 x 0.6 x 100 mm	
	4.0 x 0.8 x 150 mm	
Electrician Phillips screwdriver	PH 0 x 60 mm	
(Blade dimensions)	PH 1 x 80 mm	•
	PH 2 x 100 mm	•
Electrician Pozidriv screwdriver	PZ 1 x 80 mm	•
(Blade dimensions)	PZ 2 x 100 mm	•
Electronic Phillips screwdriver	PH 0 x 60 mm	
(Blade dimensions)	PH 1 x 80 mm	
Voltage tester, 120 to 250 V AC	140 mm	
Double open end wrenches	6 x 7 mm	
(Wrench size)	8 x 9 mm	
	10 x 11 mm	•
	12 x 13 mm	•
	14 x 15 mm	•
	16 x 17 mm	
	17 x 19 mm	•
	18 x 19 mm	
	20 x 22 mm	
Hexagonal allen key set, 7-part	2.5 to 10 mm	•
Torx L-key set		•
Universal switch cabinet key	made of metal, with bits	•
One-hand cable shears, up to 12 mm cables	160 mm	
Universal shear	190 mm	
Telephone shears	130 mm, serrated	
	130 mm, flat	
Precision wire stripper PWS "Plus"	to 0.8 mm ø	
Wire stripper		•
Wire stripper for cables COAXI	to 7.5 mm ø	
Wire stripper for data cables PC-STRIP	to 15 mm ø	
Automatic cable stripping knife with hook-shaped blade	8 to 28 mm ø	
Data cable wire stripper DATA STRIP		
Cable knife with wooden handle	with scraper	
Pocket saw PUK	150 mm spread	
Insertion tool ECONOMY	for LSA Plus clamps	
Wooden folding ruler	2 m	
Tape measure		•
Universal pressurised air spray can	400 ml	
Safety cross peen hammer		•
Number of tools	21	

cimco®



17 3316



17 3310



17 0998

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Electric mechanic tool case

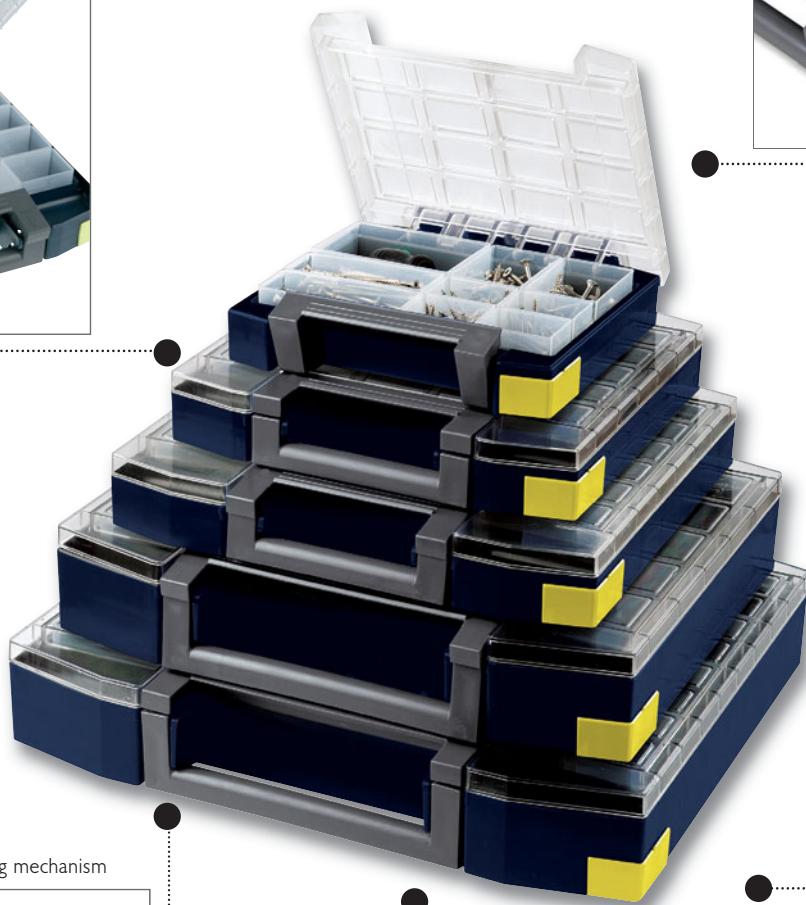
		Tool case CHAMPION	Mounting case „Energy and „Mounting professional“ building technology“	Tool case „Electric I“	Tool case „Electric II“	Tool case „Electric III“
Article no., equipped	with tool case	17 5230	17 0173	17 6350	17 6326	17 6328
Article no.		Tool case CHAMPION	Tool case	Tool case made of cowhide	Tool case made of cowhide	Tool case made of cowhide
Description		17 0930	17 0073	17 6027	17 6028	17 6028
Telephone pliers with straight jaws	200 mm	•	•	•	•	•
Telephone pliers with bent jaws	200 mm		•	•	•	•
Round nose pliers	160 mm					•
Combination pliers	180 mm		•	•	•	•
Side cutters	145 mm		•			
	160 mm	•				
Heavy duty side cutter	200 mm		•	•	•	•
Wire stripper 0.5 to 6 mm ²	160 mm			•	•	•
Water pump pliers	250 mm			•	•	•
Fitting pliers	250 mm		•			
Electronic side cutter	115 mm			•	•	•
Electronic needle nose pliers with bent jaws	130 mm					•
Tweezer, straight, flat-round jaws, insulated	145 mm		•			•
Electrician slot-head screwdrivers (Blade dimensions)	2.5 x 0.4 x 100 mm 3.0 x 0.5 x 100 mm 4.0 x 0.8 x 100 mm 5.5 x 1.0 x 125 mm 6.5 x 1.2 x 150 mm 8.0 x 1.2 x 175 mm	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •
Electrician Phillips screwdrivers (Blade dimensions)	PH 0 x 60 mm PH 1 x 80 mm PH 2 x 100 mm		• • •		• • •	• • •
Electrician Pozidriv screwdriver (Blade dimensions)	PZ 1 x 80 mm PZ 2 x 100 mm	• •	• •	• •	• •	• •
Insulated screw-holding screwdriver	4.0 x 0.8 x 125 mm					•
Electronic slot-head screwdriver	2.0 x 0.4 x 60 mm		•		•	•
Electronic Phillips screwdriver	PH 1 x 80 mm					•
Angled slot-head screwdriver	5.0 x 0.65 x 100 mm				•	•
Angled Phillips screwdriver	PH 1 and PH 2 x 100 mm				•	•
Hexagon socket wrench (Wrench size across flats)	5.5 mm 7 mm 8 mm 10 mm				• • • •	• • • •
Bit-box, 10-part		•				
Hexagonal allen key set, 7-part	2.5 to 10 mm			•	•	•
Hexagonal allen key set, 9-part	1.5 to 10 mm	•				
Adjustable wrench	160 mm					•
Universal switch cabinet key	made of metal, with bits	•	•		•	•
Voltage tester, 120 to 250 V AC	140 mm	•		•	•	•
One-hand cable shear, up to 12 mm cables	160 mm				•	•
Universal shear	190 mm			•	•	•
Telephone shear, ridged	130 mm					•
Wire stripping pliers	0.5 - 4 mm ²	•				
Autom. wire stripper POWER STRIPPER	for flat and round cables		•			
Super remover for cables			•			
Automatic cable stripping knife	8 to 28 mm diameter	•		•	•	•
Safety cable stripping knife, 1000 V-insulated	blade interchangeable		•			
Cable stripping knife with plastic handle	with scraper			•	•	•
Universal knife (“carpet knife”)	150 mm					•
Pocket saw PROFI	150 mm spread			•	•	•
Piercing awl, 6 mm (reamer)	100 mm			•	•	•
Safety cross peen hammer	300 g			•	•	•
Electrician chisel	10 x 8 x 250 mm					•
Plastic folding ruler	2 m			•	•	•
Plastic electrician spirit level	400 mm					•
Plastic cable puller	10 metres	•				
Quantity of tools		15	22	24	35	45



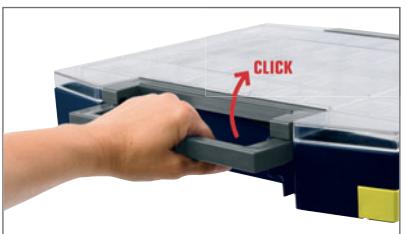
cimco®

STORAGE AND TRANSPORT SYSTEMS

- Stackable due to integrated profile guides on the base
- Profile grid in cover and base
- Two different heights



Handle with integrated locking mechanism



Extremely stable due to doublewall construction of impact resistant and break-proof polycarbonate.



Two fixed partitions



Colour labelling clips



1 Design

2 Size L x W x H

3 PU

4 Article no.

raaco COMPACT

Transport and storage case made of highly shock-resistant polypropylene, thereby lightweight and extremely wear-resistant (no bulges and cracks, chemically resistant), can be used as a stool thanks to its extraordinary stability, has removable tool carrier that can hold the variable CARRY-LITE 55/boxxser 55 inserts, double bail handle with integrated locking system prevents case from opening unintentionally, 2 side carrying handles (COMPACT 37 and up)



COMPACT 20

with 6 inserts, without dividers, without drawers, no option of fitting carrying strap and castors, weight 1.9 kg
474 x 239 x 190 mm 1 41 7173



COMPACT 27

with 6 inserts, without dividers, with 2 drawers, no option of fitting carrying strap and castors, weight 2.6 kg
474 x 239 x 248 mm 1 41 7180



COMPACT 37

with 7 inserts, 3 dividers for individual subdivision of interior, without drawers, with option of fitting carrying strap and castors, weight 3,7 kg
540 x 296 x 230 mm 1 41 7197



COMPACT 47

with 7 inserts, 3 dividers for individual subdivision of interior, with 2 drawers, with option of fitting carrying strap and castors, weight 4.6 kg
540 x 296 x 292 mm 1 41 7203



COMPACT 62

with 10 inserts, 1 divider for individual subdivision of interior, with 4 drawers, with option of fitting carrying strap and castors, weight 7.1 kg
621 x 311 x 322 mm 1 41 7227



Carrying strap for COMPACT

for COMPACT models 37, 47 and 62, attach by simply clipping onto special hooks on the case, length continuously variable from 0.9 to 1.6 m, weight only 150 g
1 41 4059



Castors (roller set) for COMPACT

4 swivelling castors, 2 with locking device, for the COMPACT models 37, 47 and 62, simple installation by inserting into bottom of case, weight (set) 600 g
1 41 3656

27 Design

28 Size L x W x H

29 PU

30 Article no.

Design	Size L x W x H	PU	Article no.
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raaco Tool Taco

The new flexible system with a sporty design offers a very simple way to set up your toolbox in a completely individual manner. With the help of accompanying pockets, holders and component boxes, the Tool Taco can be changed at any time according to need.

A generous opening provides easy access to the tools. The box is equipped with an efficient holder for tools of all shapes and sizes (max. 30 mm Ø).

Additional features: 4 stable hooks for attaching shoulder straps, rubber side straps to hold, for instance, gloves or knee pads, strong magnets for locking the cover, robust, lightweight hard-shell construction, water-proof, etc.

Tool Taco L

with 1 x ½ Tool Fix, 1 x ¼ Tool Fix, 1 x boxxser 55 4x4-9, ergonomically shaped, padded shoulder strap. Weight 3.6 kg.

256 x 504 x 234 mm 1 43 6006



NEW

Tool Taco XL

2 x ½ Tool Fix, 1 x boxxser 55 4x4-9, ergonomically shaped, padded shoulder strap. Weight 4.5 kg.

311 x 616 x 278 mm 1 43 6013



NEW

Tool Fix

Holder for tools of all shape to max. Ø 30 mm. Strong Velcro strip for holding tools in the Tool Taco.

1/4	150 x 118 x 40 mm	1	43 6020
1/2	150 x 238 x 40 mm	1	43 6037



NEW

Bag

For storing tools and accessories. Can be combined with Tool Fix of the same size.

(Bag ½ open also contains a boxxser 55 4x4). Robust clip for simple and secure attachment to the Tool Taco.

1/4 open	155 x 145 x 55 mm	1	43 1009
1/2 open	155 x 255 x 55 mm	1	43 1016
1/4 with cover	160 x 150 x 65 mm	1	43 1023
1/2 with cover	160 x 265 x 65 mm	1	43 1030



NEW

Saw holder

Holder for saw (max. 24") plus universal holder (max. width 70 mm). With two clips for simple and secure attachment to the Tool Taco.

155 x 570 x 25 mm 1 43 1047



NEW

Universal holder

for longer objects (50 - 100 mm long), e.g., level, Velcro band holds tools tightly.

With two clips for simple and secure attachment to the Tool Taco.

90 x 280 x 10 mm 1 43 1054



NEW

Cover

Waterproof protective cover for Tool Taco protects against rain and dust.

L	535 x 495 x 5 mm	1	43 1061
XL	695 x 615 x 5 mm	1	43 1078

Design

Size L x W x H

PU

Article no.

cimco®

Design	Size L x W x H	PU	Article no.
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raaco boxxser - assortment box

The boxxser series consists of 6 case variants in 2 different heights, made of impact-resistant and break-proof polycarbonate in a double-wall construction, profile grid in cover and base secure the case contents during transport, two fixed partitions (next to the handle) provide space for storing small parts or accessories. The integrated profile guides on the base protect and secure the assortment box when stacked. Handle with integrated locking mechanism prevents the case from coming open when carried.



raaco boxxser 80

incl. 3 labelling clips (yellow, green, grey)

Type (grid dimensions L x W - inserts)	Dimensions (mm)	1	Article no.
boxxser 80 (5 x 10- 0)	421 x 361 x 78	1	43 4255
boxxser 80 (5 x 10-14)	421 x 361 x 78	1	43 4262
boxxser 80 (5 x 10-20)	421 x 361 x 78	1	43 4279
boxxser 80 (5 x 10-25)	421 x 361 x 78	1	43 4286
boxxser 80 (8 x 8- 0)	465 x 401 x 78	1	43 4224
boxxser 80 (8 x 8-18)	465 x 401 x 78	1	43 4231
boxxser 80 (8 x 8-20)	465 x 401 x 78	1	43 4248



raaco boxxser 55

incl. 3 labelling clips (yellow, green, grey)

Type (grid dimensions L x W - inserts)	Dimensions (mm)	1	Article no.
boxxser 55 (4 x 4- 0)	241 x 225 x 55	1	43 4385
boxxser 55 (4 x 4- 9)	241 x 225 x 55	1	43 4392
boxxser 55 (4 x 4-11)	241 x 225 x 55	1	43 4408
boxxser 55 (5 x 5- 0)	298 x 284 x 55	1	43 4354
boxxser 55 (5 x 5-13)	298 x 284 x 55	1	43 4361
boxxser 55 (5 x 5-15)	298 x 284 x 55	1	43 4378
boxxser 55 (6 x 6- 0)	354 x 323 x 55	1	43 4323
boxxser 55 (6 x 6-12)	354 x 323 x 55	1	43 4347
boxxser 55 (6 x 6-14)	354 x 323 x 55	1	43 4330
boxxser 55 (5 x 10- 0)	421 x 361 x 55	1	43 4293
boxxser 55 (5 x 10-25)	421 x 361 x 55	1	43 4309
boxxser 55 (5 x 10-45)	421 x 361 x 55	1	43 4316



HANDYBOX for raaco boxxser

Solid, handy transport device that holds up to 4 boxxser 55 4x4 or 5x5 assortment boxes as drawers, carrying handle, transport locking mechanism prevents the assortment boxes from sliding out.

Weight (empty): 2937 g, dimensions: 342 x 347 x 305 mm

for boxxser 55, 4 x 4, incl. 4 x 43 4392	1	43 7942
empty	1	43 7935
for boxxser 55, 5 x 5, incl. 4 x 43 4378	1	43 7966
empty	1	43 7959



Foam insert for raaco boxxser

pre-perforated, for simple individual division (20 mm cubes)

393 mm x 273 mm x 20 mm	1	43 4583
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Labelling clips for raaco boxxser

grey, 4 piece	1	43 4453
yellow, 4 piece	1	43 4446
green, 4 piece	1	43 4460

Design

Size L x W x H

PU

Article no.

cimco®

Design	Size L x W x H	PU	Article no.
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CARRY-LITE service case

Light storage and transport case that can be flexibly arranged, interior division can be changed at any time with transparent inserts in many different sizes, case bottom of polypropylene, case cover of clear, transparent polycarbonate, cover with U-profiles for slide-free storage of contents and loose inserts, ergonomic carrying handle, two stable sliding locks, stackable, also sits upright.

CARRY-LITE 150

Service case with 150 mm height, 413 mm length, 330 mm width. Interior division can be individually arranged only via dividers, not inserts.

with 8 dividers = 9 individual compartments

1 41 8958



CARRY-LITE 80

Service case with 80 mm height, 413 mm length, 330 mm width, grid layout 10 lengthwise x 5 wide empty, without inserts

1 41 7494

with 15 inserts 5 x 80-BA8-1,

10 x 80 BA7-1 1 41 8774

with 20 inserts 15 x 80-BA8-1,

5 x 80 BA7-1 1 41 8743



CARRY-LITE 55

Service case with 55 mm height, 413 mm length, 330 mm width, grid layout 10 lengthwise x 5 wide

empty, without inserts

1 41 7500

with 25 inserts

25 x 55-A8-1 1 41 9207

with 25 inserts

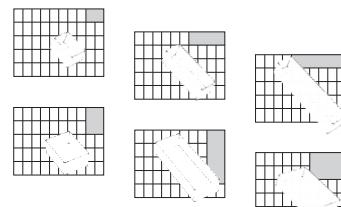
10 x 55-A9-1, 5 x 55 A7-1, 10 x 55 A8-1 1 41 9191



Inserts for CARRY-LITE 80 and Raaco boXXser 80

Height 69 mm

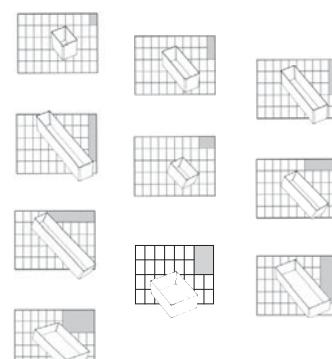
Type	Grid dimension		Length mm	Width mm	1	41 9276
	Length	Width				
80-BA8-1	1	2	55	79	1	41 9276
80-BA8-2	1	4	55	157	1	41 9283
80-BA8-3	1	6	55	235	1	41 9290
80-BA7-1	2	2	109	79	1	41 9306
80-BA7-2	4	2	218	79	1	41 9313
80-BA6-1	2	4	109	157	1	41 9320



Inserts for CARRY-LITE 55 and Raaco boXXser 55

Height 47 mm, precisely fitting also for the drawers and tool holders of raaco COMPACT, the PSC vario models and the 250-3 cabinet drawer.

Type	Grid dimension		Length mm	Width mm	1	40 0274
	Length	Width				
55-A9-1	1	1	55	39	1	40 0274
55-A9-2	2	1	109	39	1	41 4578
55-A9-3	3	1	163	39	1	41 4653
55-A9-4	4	1	218	39	1	41 4585
55-A8-1	1	2	55	79	1	40 5590
55-A8-2	1	4	55	157	1	41 4592
55-A8-3	1	6	55	235	1	41 4608
55-A7-1	2	2	109	79	1	40 5583
55-A7-2	4	2	218	79	1	40 3695
55-A6-1	2	4	157	109	1	40 5576



Safe box for CARRY-LITE

High-quality storage system for CARRY-LITE service cases, made of blue lacquered steel sheet, telescopic runners mounted on ball bearings, lockable, length 451 mm, width 330 mm, height 403 mm, weight (empty) 15 kg, delivery includes CARRY-LITE service case

Safe box 150 incl. 2 x 41 8958 1 set 43 4569

Safe box 80 incl. 3 x 41 8774 1 set 43 3067

Safe box 55 incl. 2 x 41 9207 and 2 x 41 9191 1 set 43 4576



Design

Size L x W x H

PU

Article no.

cimco®

	Design	Size L x W x H	PU	Article no.
Transporter box for CARRY-LITE				
1	made of durable plastic, for holding up to 3 CARRY-LITE 80 or 4 CARRY-LITE 55, with 2 or 3 insertable intermediate bottoms, incl. shoulder strap, weight (empty) 2910 g			
2	incl. 2 x 41 8774 and 1 x 41 8743	562 x 361 x 250 mm	1 set	40 4883
3	incl. 2 x 41 9207 and 2 x 41 9191	562 x 361 x 250 mm	1 set	40 8188
PSC component boxes				
4	Affordable transport and storage boxes for small parts, with window, variable or without interior division, made of durable polypropylene, solid sliding locks with ratchet mechanism, case cover with U-profiles for slide-free storage of contents and loose inserts, stackable, also sits upright			
5				
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26				
PSC fix				
	Component boxes with fixed interior division.			
	Type	Small compartments	Weight (kg)	Dimensions (mm)
	fix-9	9	0.3	240 x 195 x 43
	fix-18	18	0.34	240 x 195 x 43
	fix-15	15	0.73	338 x 260 x 57
	fix-32	32	0.82	338 x 260 x 57
PSC vario				
	Component boxes with variable interior division via CARRY-LITE 55 series inserts (Grid division: 8 lengthwise x 4 wide / PSC vario-240: 4 lengthwise x 4 wide). With ergonomic carrying handle (not PSC vario 240)			
	Type	Small compartments	Weight (kg)	Dimensions (mm)
	vario 240	none (empty)	0.25	241 x 195 x 56
	vario 340	none (empty)	0.59	338 x 261 x 57
	vario 15	15	0.9	338 x 261 x 57
	vario 17	17	0.89	338 x 261 x 57
PSC vario				
	Component boxes with variable interior division for CARRY-LITE 80 series inserts			
	Type	Small compartments	Weight (kg)	Dimensions (mm)
	vario XL	none (empty)	0.6	340 x 260 x 78
HANDYBOX for PSC component boxes				
	Stable, handy transport device that holds up to 4 PSC component boxes with height 57 mm and length 340 mm as drawers, carrying handle, transport locking mechanism prevents the PSC component boxes from sliding out, connectors for slide-free attachment of multiple HANDYBOXES next to each other, also suitable for wall-mounting. Weight (empty): 1.81 kg, dimensions: 376 x 265 x 310 mm			
	incl. 2 x 41 2987 and 2 x 40 8423		1 set	41 2004
	empty		1	40 1943
SUPERCLIPS workshop system				
	Large-scale system of different hooks, holders and mounting brackets for storing tools, components, electrical devices and accessories in the workshop. Clips can easily be installed and relocated at any time by simply inserting them in the special perforated panel in order to meet individual needs. Can be ideally combined with raaco panel bins and the TRD tool rack. High-quality material for continuous use in a professional environment.			
SUPERCLIP 1				
	Straight universal hook with angular holding end, i.e. for screwdrivers			
	Type			
	1-30	47 x 27 x 60 mm	5	41 0709
	1-60	55 x 27 x 60 mm	5	41 0716
SUPERCLIP 3				
	Straight universal hook with upright holding end, i.e. for ring wrenches			
	Type			
	3-75	55 x 27 x 60 mm	5	41 0778
Design				
	Size L x W x H		PU	Article no.



cimco®

Design	Size L x W x H	PU	Article no.
SUPERCLIP 10			

Rounded holder, i.e. for drilling machines, cordless screwdrivers, cable rings etc

Type

10

79 x 27 x 60 mm

4

40 8928



SUPERCLIP 2

Double-hook holder with angular ends of holder, hook-length 60 mm, i.e. for files

Type

2-60

79 x 27 x 60 mm

3

41 0747



SUPERCLIP 4

Double-hook holder with vertical holding ends, hook length 50 mm, i.e. for hammers

Type

4-50

79 x 50 x 60 mm

3

41 0792



SUPERCLIP 5

Eye hook holder, i.e. for pliers

Type

5-17

53 x 45 x 60, eye 45 x 17 mm

3

41 0808

5-20

61 x 62 x 60, eye 62 x 20 mm

3

41 0815



SUPERCLIP 6

Rounded spring clip, open at front, i.e. for screwdrivers

Type

6-12

37 x 27 x 60, ø 12 mm

6

41 0631

6-18

46 x 27 x 60, ø 18 mm

6

41 0648

6-24

56 x 33 x 60, ø 24 mm

6

41 0655



SUPERCLIP 9

Universal storage box, i.e. for small parts of all kind

Type

9

108 x 83 x 60 mm

1

40 4562



SUPERCLIP 11

Spanner holder, for up to 8 spanners of variable size

Type

11

145 x 237 x 45 mm

1

41 4165



SUPERCLIP 12

Drill bit holder, for 22 twist drills from 1 mm to 33 mm ø

Type

12

94 x 77 x 65 mm

1

41 4172



raaco FIX

Patented tool holding system, suitable for holding tools of all kind, i.e. screwdrivers, pliers, files, tweezers, shears, spanners, measuring tools, etc.

SMALL

242 x 38 x 100 mm

2

42 5833

LARGE

242 x 38 x 140 mm

2

42 5840



Perforated panels for SUPERCLIPS

Made of strong, galvanised steel sheet, for holding all raaco SUPERCLIPS, for mounting on the wall (fixing by plug/screw) or on the TRD tool rack

520 x 440 x 11 mm

1

41 8347

Design

Size L x W x H

PU

Article no.

cimco®

1 Design

2 Size L x W x H

3 PU

4 Article no.

TRD tool rack for SUPERCLIPS

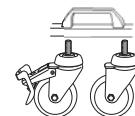
Stable stand of steel sheet for holding up to 6 perforated panels (order no. 41 8347) for SUPERCLIPS or up to 6 slotted wall panels for raaco panel bins (order no. 41 8330), delivery incl. 6 perforated panels (order no. 41 8347), without clips, handles and castors, weight 23.5 kg

5 TRD

6 570 x 570 x 1600 mm

7 1

8 40 9666



9 Roller and handle-set for Toolrack TRD

10 4 rubber rollers, 2 with brakes, and 2 screw-on handles turn the tool rack into a movable tool board, ideal for workshops and in manufacturing, weight of the set 1.8 kg

11 1

12 41 2369

13 raaco Drawer cabinet

14 For free-standing installation (rubber feet protect from scratches and provide a firm stand), wall mounting (suspension holes for screws) and mounting on turntables for storage cabinets (see pages 37 and 38), body made of blue lacquered steel sheet, drawers made of wear-resistant, transparent polypropylene, stop rim prevents the draw from sliding out unintentionally, option of subdividing into small compartments with additional partitions, labels can be attached to front side

15 Drawer cabinet series 150

16 Cabinet depth 150 mm, height 552 mm, width 306 mm, maximum load 40 kg

17 CABINET 60-00

18 assembled with 60 drawers Type 150-0, Weight 5.12 kg

19 1

20 40 8065



21 CABINET 08-03

22 assembled with 8 drawers Type 150-3, Weight 4.19 kg

23 1

24 40 7341



25 CABINET 16-04

26 assembled with 16 drawers Type 150-4, Weight 4.29 kg

27 1

28 40 7303

29 CABINET 40-123

30 assembled with 36 drawers Type 150-1, 3 drawers Type 150-2, 1 drawer Type 150-3, Weight 4.93 kg

31 1

32 40 9215

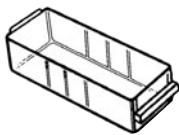
33 Design

34 Size L x W x H

35 PU

36 Article no.

Design	Size L x W x H	PU	Article no.
Drawers for cabinet series 150			
150-0	41 x 55 x 150 mm	1	40 8980
150-1	41 x 67 x 150 mm	1	40 4692
150-2	64 x 91 x 150 mm	1	40 4715
150-3	64 x 279 x 150 mm	1	40 4708
150-4	64 x 139 x 150 mm	1	40 9178



1
2
3

Drawer dividers for cabinet series 150

for 150-0	31 x 52 x 2 mm	60	40 1981
for 150-1	31 x 64 x 2 mm	48	40 1998
for 150-2	50 x 87 x 2 mm	24	40 2032
for 150-3 /-4	50 x 134 x 2 mm	16	40 2049



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Drawer labels for cabinet series 150

White, removable, individually inscribable, coated with dirt-resistant, durable plastic

for 150-0	10 x 52 x 1 mm	60	40 9024
for 150-1	10 x 64 x 1 mm	48	40 7761
for 150-2	18 x 87 x 1 mm	24	40 7778
for 150-3	18 x 275 x 1 mm	8	40 7785
for 150-4	18 x 135 x 1 mm	16	40 9017



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Turtable for storage cabinets series 150

For holding up to 12 cabinets of series 150, max. carrying capacity 480 kg, turntable on maintenance-free roller bearings, weight without cabinets 12.5 kg, delivery does not include storage cabinets

1760 x 680 x 680 mm	1	40 3732
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Drawer cabinet series 250

Cabinet depth 250 mm, height 435 mm, width 357 mm, maximum load 40 kg

CABINET 24-1			
assembled with 24 drawers Type 250-1, Weight 6.9 kg	1	40 9048	



22
23

CABINET 8-2

assembled with 8 drawers Type 250-2, Weight 6,0 kg

1	40 8560	
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19
20
21

CABINET 6-3

assembled with 6 drawers Type 250-3, Weight 7.2 kg

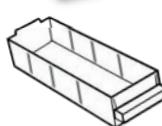
1	40 8577	
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22
23

Drawers for cabinet series 250

250-1	58 x 80 x 250 mm	1	40 7273
250-2	92 x 159 x 250 mm	1	40 7259
250-3	57 x 320 x 250 mm	1	40 3114



24
25
26

Drawer dividers for cabinet series 250

for 250-1	46 x 75 x 3 mm	36	40 6757
for 250-2	80 x 154 x 3 mm	12	40 6764



37

Design	Size L x W x H	PU	Article no.
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Design	Size L x W x H	PU	Article no.
Drawer labels for cabinets series 250			
1	White, removable, individually inscribable, coated with dirt-resistant, durable plastic		
2	for 250-1	15 x 75 x 1 mm	24
3	for 250-2	32 x 155 x 1 mm	8
4	for 250-3	15 x 315 x 1 mm	6
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Turntable for storage cabinets series 250

For holding up to 12 cabinets of series 250, max. carrying capacity 600 kg, turntable on maintenance-free roller bearings, weight without cabinets 22.3 kg, delivery does not include storage cabinets

1600 x 880 x 880 mm 1 40 2582



raaco Storage bins

Open bins made of impact-resistant polypropylene, for free-standing installation, stacking, attaching to wall panels and mounting on turntable (not bin 5), with conveniently shaped handle and front side for label attachment

load (kg)	height x width x depth		
Storage bin 1 5	50 x 125 x 133 mm	1	43 6631
Storage bin 2 5	75 x 125 x 173 mm	1	40 3404
Storage bin 3 5	101 x 125 x 228 mm	1	41 8354
Storage bin 4 10	126 x 125 x 300 mm	1	41 6398
Storage bin 5 15	200 x 256 x 365 mm	1	43 6679

Wall panels for raaco storage bins

Panel of galvanised steel sheets for holding raaco storage bins 1 to 5, can be easily screw-mounted onto the wall or mounted on the raaco TRD tool rack for SUPERCLIPS (order no. 40 9666, see page 25), with 4 vertical rows with 12 slots each = 48 slots for bins, weight 1.475 kg

440 x 520 x 11 mm 1 41 8330



Turntable for raaco storage bins

Rotating workshop and storage stand for holding (depending on the sizes of the selected bins) up to 148 storage bins. With 6 vertical columns x 48 slots = 288 slots for bins. Ideally equipped with, e.g.

48 x bin 1, 32 x bin 2 and 24 x bin 3 (= 104 bins)

48 x bin 1, 64 x bin 2 (= 112 boxes)

32 x bin 2, 24 x bin 3 and 16 x bin 4 (= 72 bins)

48 x bin 4

Quicker access to all bins thanks to rotating tower and loadable roller bearings, max. load 450 kg, weight 27 kg

load (kg)	height x width x depth		
Tower empty 450	1600 x 655 x 655 mm	1	40 2780



PLIERS



Perfect material processing

CIMCO pliers perform brilliantly in hard everyday use. Both material and design are designed for a tough workload. The steels used are specially designed for use by craftsmen. An ideal level of durability is achieved in connection with a thorough hardening.

- All pliers are hardened in an oil bath. All blades are given an additional induction hardening – the best prerequisite for excellent durability, even when dealing with high levels of stress.
- Thanks to air being excluded to a large degree during the smelting process, the electric steel obtains a high degree of purity and reduces the CO₂ emissions.



Unrivalled cutting performance

- Precisely closing blades.
- Favourable transmission ratio for low expenditure of force when cutting.
- Induction-hardened precision blades (approx. 64HRC) for all wires including piano wire.

Smooth opening and closing

Almost clearance-free joint for smooth and uniform opening and closing across the entire functional area.



Special gripping surfaces

- Functional conical gripping surfaces for the complete gripping of the most common work pieces.
- Distinctive, uniform toothing of gripping surfaces and burner hole.

Diamant[®] PLUS - Safety pliers with 1000 V protective insulation

Optimised lever conditions, smoothness and easy-grip handle design that permit energy-saving and ergonomic work for the hand, manufactured using the most suitable high-alloy tool steels, completely hardened in oil, all blades are additionally induction hardened, surfaces are polished to a high-sheen and are meticulously chrome-plated.

Description of the symbols

	Working on live parts		Blade hardness in HRC		With cutting bevel		Single joint		Flat nose pliers		Wire type soft		Wire type piano
	VDE/GS tested		Gripping surfaces serrated		With slight cutting bevel		Lap joint		Flat-round pliers		Wire type medium-hard		Wire type rope
			Gripping surfaces diagonally serrated				Box joint		Round nose pliers		Wire type hard		Wire type Cu cable



- Set the adjusting screw to the desired conductor cross section to be stripped by turning it (left / right).
- Secure the adjusting screw using the counter nut.
- Insert the cable.
- Close the pliers by pressing them and remove the plastic sheathing.

10 year durability guarantee

on all Diamant-Plus pliers. If defects in the material or processing can be proved, we will provide you with a replacement free of charge. Please ask for the exact guarantee terms at your local CIMCO dealer or from CIMCO directly.



1000 V protective insulation according to VDE

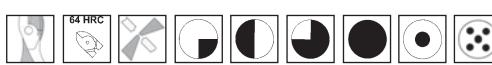
The pliers belonging to the Diamant-Plus range correspond to the current standards of IEC 900, IEC 60900:2004 and VDE 0682/Part 201 (excluding engineers pliers). These strict safety rules stipulate 10 different quality checks for the insulation protection of all pliers. In addition to the type examination, the independent testing body of VDE also regularly performs production and storage inspections. Every individual pliers are examined in the water bath for disruptive discharges and flashovers at a testing voltage of 10,000 Volt AC. As a result, we guarantee the safety has been tested on all pieces.



The range of pliers that are exclusively "Made in Germany" undergoes a range of unrivalled trend-setting and robot-supported production processes. As a result, the work sequences are performed with robots; from forging and grinding as well as polishing, right through to the dielectric strength testing of the insulating sheathing in order to ensure a consistent standard of quality. Ergonomic design handle sleeves in a modern 2-component design manufactured from premium plastic with excellent haptic properties. Superb grip thanks to non-slip, non-adhesive surfaces when dealing with wet conditions and dirt. Excellent skin-tolerance, insulation in extreme temperatures, electrical shocks and vibrations. Resistance against sweat, salt water, oil, many chemicals and UV radiation.

1000 V Heavy duty side-cutters

according to DIN ISO 5749 A, lap joint,



with induction hardened precision blades (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel

145 (5.5") 6 10 0524



160 (6") 6 10 0526
200 (8") 6 10 0528



1000 V Side-cutters

according to DIN ISO 5749 B, single joint



with induction hardened precision blades (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel

130 (5") 6 10 0570



145 (5.5") 6 10 0572
160 (6") 6 10 0574
180 (7") 6 10 0577



Design	Size/mm	PU	Article no.
1000 V Side-cutter with stripping function			
single joint with induction hardened precision blade, (approx. 64 HRC), for hard, medium-hard and soft wire, with two additional stripping functions for solid and multi-wire conductors measuring 1.5 mm ² and 2.5 mm ²	160 (6")	6	10 0652
Diagonal sealing pliers			
single joint with induction hardened precision blades (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel with 8 mm ø punches. loose punch	160 (6") 8 mm ø 1 piece	6	10 0030 10 1732
1000 V Heavy duty end cutter			
according to DIN ISO 5748, lap joint, with induction hardened precision blades (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel	200 (8")	6	10 0402
1000 V Combination pliers			
according to DIN ISO 5746, single joint, with induction hardened precision blade (approx. 64 HRC), for all wires, also including piano wire manufactured from special tool steel, with slightly conical, serrated gripping surfaces and serrated opening (burner hole)	160 (6") 180 (7") 200 (8")	6	10 0334 10 0336 10 0338
1000 V Wire stripper			
single joint, with adjusting screw for adjustment to the desired wire or strand diameter, for solid and multi-wire conductors up to 5 mm ø or 0.75 mm ² to 6 mm ² , with internal opening spring	160 (6")	6	10 0686
1000 V Telephone pliers with straight jaws			
according to DIN ISO 5745, single joint, with induction hardened precision blades (approx. 60 HRC), long, flat-round jaws (flat-round pliers), serrated gripping surfaces and serrated opening (burner hole), with blades for hard and soft wire	145 (5.5") 160 (6") 200 (8")	6	10 0212 10 0214 10 0216
1000 V Telephone pliers with bent jaws			
according to DIN ISO 5745, single joint, 45° angled jaws, with induction hardened precision blade (approx. 60 HRC), long, flat-round jaws (flat-round pliers), serrated gripping surfaces and serrated opening (burner hole), with blades for hard and soft wire	160 (6") 200 (8")	6	10 0236 10 0238
1000 V Flat nose pliers (long flat nose pliers)			
according to DIN ISO 5745, single joint, long, flat jaws (long flat nose pliers), jaw length 50 mm, serrated gripping surfaces	160 (6")	6	10 0024
1000 V Round nose pliers (long round nose pliers)			
according to DIN ISO 5745, single joint, long, round jaws (long round nose pliers), jaw length 50 mm, finely serrated gripping surfaces	160 (6")	6	10 0062

Design	Size/mm	PU	Article no.
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	Design	Size/mm	PU	Article no.
1	Engineers pliers			
2	without VDE-tested 1000 V protective insulation, with precision box joint for clearance-free, particularly durable guidance, jaw length 75 mm, Gripping surfaces with fine diagonal cut			
3	straight, flat-round jaws flat-round jaws, 45° angled	190 (7.5") 190 (7.5")	6 6	10 0082 10 0086
4				
5	straight, flat-wide jaws flat-wide jaws, 45° angled	190 (7.5") 190 (7.5")	6 6	10 0090 10 0094
6	Water pump pliers			
7	according to DIN ISO 8976, with box joint, self-clamping on the tool, with serrated opening (burner hole), manufactured from chrome-vanadium steel			
8	without handle sleeves with handle sleeves	250 (10") 250 (10")	10 6	10 1222 10 1224
9				
10	1000 V Plier assortment, 4-piece			
11	Heavy duty diagonal pliers Telephone pliers with straight jaws Combination pliers Wire stripper	200 (8") 200 (8") 180 (7") 160 (6")		10 0528 10 0216 10 0336 10 0686
12		1		10 4020
13	Plier assortment, 3-piece			
14	Water pump pliers Telephone pliers with bent jaws Diagonal pliers	250 (10") 200 (8") 160 (6")		10 1224 10 0238 10 0574
15		1		10 4022
16	1000 V Side-cutter DIAMANT			
17	according to DIN ISO 5749			
18	Cutting performance: A special blade shape, optimised hand power transmission and most suitable material quality ensure astoundingly low cutting forces on all types of cables and wires.			
19	Surface coating: Thanks to new technological possibilities, the diagonal pliers obtain a double primer coat as well as a more refined surface coating that ensure high level of wear resistance and an improved corrosion protection.			
20	Handle sleeves: Ergonomic design handle sleeves in modern 2-component design manufactured from premium with excellent haptic properties, VDE-certified insulation protection up to 1000 Volt AC according to DIN EN 60900:2004.			
21		160	6	10 0000
22	Screw pliers			
23	the patented 2-component screw pliers that have been awarded the Design Prize is the ideal problem solver for embedded, dirty or corrosion-damaged screws. The special head shape of the pliers securely surrounds the screw head, thus loosening the screws that can no longer be removed using standard tools.			
24	Single joint with arched, vertically serrated gripping surfaces, for all self-tapping or metric screws from M1 – M3	130	1	10 0350
25				
26	Single joint with induction hardened precision blade (approx. 58 HRC), for hard, medium-hard and soft wire. Arched, horizontally and vertically serrated gripping surfaces, for all self-tapping or metric screws from M2 – M6	160	1	10 0352

	Design	Size/mm	PU	Article no.	cimco®
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Design	Size/mm	PU	Article no.
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The range of pliers that are exclusively "Made in Germany" undergoes a range of unrivalled trend-setting and robot-supported production processes. As a result, the work sequences are performed with robots; from forging and grinding as well as polishing, right through to the dielectric strength testing of the insulating sheathing in order to ensure a consistent standard of quality.

Handles with two-colour plastic dip insulation for optimum safety. In the event of damage to the outer red insulation layer, the lower orange plastic insulation that is now visible displays that a 100 % level of safety in accordance with the safety standards is no longer in place.

1000 V Heavy duty side-cutter

according to DIN ISO 5749 A, lap

joint, with induction hardened precision blade (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel



160 (6") 6 10 8789
200 (8") 6 10 8784

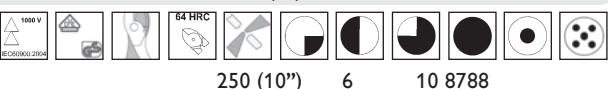


1000 V Side-cutter

according to DIN ISO 5749 B, lap joint with induction hardened precision blade (approx. 64 HRC), for all wires also including piano wire, manufactured from electric steel



145 (5.5") 6 10 8785
160 (6") 6 10 8786
180 (7") 6 10 8787



250 (10") 6 10 8788



1000 V Side-cutter with stripping function

single joint, with induction hardened

precision blade (approx. 64 HRC) for hard,

medium-hard and soft wire, with two additional stripping functions

for solid and multi-wire conductors measuring 1.5 mm² and 2,5 mm²



160 (6") 6 10 8792



1000 V Heavy duty end cutter

according to DIN ISO 5748, lap joint,

with induction hardened precision blade

(approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel



200 (8") 6 10 8795



1000 V Flat nose pliers (long flat nose pliers)

according to DIN ISO 5745, single joint,

long, flat jaws (long flat nose pliers), jaw length 50 mm, serrated gripping surfaces



160 (6") 6 10 8771



1000 V Round nose pliers (long round nose pliers)

according to DIN ISO 5745, single joint,

long, round jaws (long round nose pliers), jaw length 50 mm, finely serrated gripping surfaces



160 (6") 6 10 8773



1000 V Telephone pliers with straight jaws

according to DIN ISO 5745, single joint,

with induction hardened precision blade

(approx. 60 HRC), long, flat-round jaws (flat-round pliers),

serrated gripping surfaces and serrated opening (burner hole), with blades for hard and soft wire



160 (6") 6 10 8779
200 (8") 6 10 8778



1000 V Telephone pliers with bent jaws

according to DIN ISO 5745, single joint,

45° angled jaws, with induction hardened

precision blade (approx. 60 HRC), long, flat-round jaws (flat-round pliers),

serrated gripping surfaces and serrated opening (burner hole), with blades for hard and soft wire



160 (6") 6 10 8777
200 (8") 6 10 8780



Design

Size/mm	PU	Article no.
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Design	Size/mm	PU	Article no.
1000 V Combination pliers according to DIN ISO 5746, single joint, with induction hardened precision blade (approx. 64 HRC), for all wires, also including piano wire, manufactured from special tool steel with slightly conical, serrated gripping surfaces and serrated opening (burner hole)	160 (6") 180 (7") 200 (8")	6	10 8781 10 8782 10 8783



1000 V Water pump pliers

according to DIN ISO 8976, with box joint,
self-clamping on the tool, with serrated opening (burner hole), manufactured from chrome-vanadium steel

250 (10") 6 10 8724



1000 V Wire stripper

single joint, with adjusting screw



for adjustment to the desired wire or strand diameter, for solid and multi-wire conductors
up to 5 mm Ø or 0.75 mm² to 6 mm², with internal opening spring

160 (6") 6 10 8790



1000 V Safety plier set, 4-piece

Double dip-coated handles

Telephone pliers, straight	200 (8")	10 8778
Combination pliers	185 (7")	10 8782
Heavy duty side-cutter	200 (8")	10 8784
Wire stripper	160 (6")	10 8790

1 10 8002



NEW 1000 V Plastic telephone pliers

manufactured from impact-resistant, fibre-glass reinforced plastic with 2-component handles,
serrated gripping surfaces and narrow tips, robust design, can be used in temperatures as low as -40 °C

180 1 10 0790



NEW 1000 V Plastic grip pliers

manufactured from impact-resistant, fibre-glass reinforced plastic with 2-component handles, gripping zone with
8 openings for different cable diameters, without blades, robust design, can be used in temperatures as low as -40 °C

180 1 10 0792



NEW 1000 V Plastic combination pliers

manufactured from impact-resistant, fibre-glass reinforced plastic with 2-component handles, with blade inserts manufactured
from special steel, extra-long blades for flexible conductors with diameters of up to 12 mm as well as medium-hard wire
gripping zone with 3 openings for different cable diameters, robust design, can be used in temperatures as low as -40 °C

190 1 10 0794



NEW 1000 V Plastic cable cutters

manufactured from impact-resistant, fibre-glass reinforced plastic with 2-component handles, with blade inserts manufactured
from special steel, for flexible Al and Cu conductors with diameters of up to 15 mm, excellent cutting performance,
robust design, can be used in temperatures as low as -40 °C

170 1 12 0790



Design	Size/mm	PU	Article no.
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cimco®

Design	Size/mm	PU	Article no.
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Precision electronic pliers with lap joint, drop-forged design

High-precision design manufactured from special steel, easily self-opening thanks to double leaf springs, excellent durability, finely ground surface with ergonomically-designed 2-component handle sleeves (in ESD or 1000 V design upon request)



Electronic side-cutter

oval-round head, diagonal, with side face

120 1 10 0802

oval-round head, diagonal, without side face

120 1 10 0804

pointed head, flat, with side face

120 1 10 0806

pointed head, flat, without side face

120 1 10 0808

Electronic end cutter

with wide blade and face

120 1 10 0810



Electronic diagonal end cutter with stripping function

$\varnothing 1.0 \text{ mm} = 0.8 \text{ mm}^2$

with wide blade, without face, 37° angle

120 1 10 0824



Electronic diagonal end cutter

short blade, without face, 30° angle

120 1 10 0826



Electronic needle nose pliers with blade

straight shape, smooth jaws, 2.5 x 1.5 mm tip

130 1 10 0812

straight shape, smooth jaws, 2.5 x 1.5 mm tip

150 1 10 0814

bent shape, smooth jaws, 2.5 x 1.5 mm tip

150 1 10 0816



Electronic flat nose pliers

smooth, wide jaws 2.0 x 3.5 mm

130 1 10 0818

smooth, narrow jaws 2.0 x 1.0 mm

130 1 10 0820



Electronic round nose pliers

short shape, smooth jaws

130 1 10 0822

Electronic pliers assortment, 3-piece

Diagonal side-cutter 10 0802

Needle nose pliers 10 0816

Flat nose pliers 10 0818

1 10 4032

Design	Size/mm	PU	Article no.
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cimco®

Design	Size/mm	PU	Article no.
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Case-hardened 3 mm-flat tool steel design

precision grinded cutting edges, self-opening thanks to smooth spiral spring, finely barnished, with elastic 2-component plastic handles (except of electronics heavy duty side cutters, order number 10 1054 and 10 1055)

Micro-electronic side-cutters

without side face

Setting-angle Soft wires
up to ø in mm

21° 0.8

 118 1 10 1030



with fine tips, without side face

21° 1.0

 129 1 10 1038



Electronic side-cutters

without side face

Setting-angle Soft wires Hard wires
up to ø in mm up to ø in mm

21° 1.3

 132 1 10 1040



without side face

48° 1.3

 130 1 10 1044



reinforced design, with side face,
blades also suitable for steel wire

21° 2.0 0.6

 140 1 10 1046



reinforced design, without side face

21° 1.3

 132 1 10 1048



with reinforced blade, without side face

21° 1.0

 132 1 10 1050



with reinforced blade, with side face

21° 1.0

 132 1 10 1051



strong design, without side face

21° 2.0

 131 1 10 1052



Electronic heavy duty side-cutters

without side face, with 1-component ergonomic handle sleeves

Setting-angle Soft wires
angle up to ø in mm

20° 2.5

 148 1 10 1054



with side face

20° 2.5

 148 1 10 1055



Micro electronic needle nose pliers

Bent jaws, smooth, 1 mm wide

 52 1 10 1076



Straight jaws, serrated, 1.2 mm wide

 152 1 10 1082



Electronic flat nose pliers

Straight jaws, serrated, 3 mm wide

 140 1 10 1096



Straight jaws, serrated, 3 mm wide

 140 1 10 1096

1 10 4030

Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
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Tweezers

Technical tweezers

manufactured from steel

straight, pointed shape, without serration	120	1	10 3012
bent, pointed shape, fine serration	120	1	10 3016
bent, pointed shape, fine serration	155	1	10 3018



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College tweezer

manufactured from steel, with guiding pins

bent, pointed-round shape, fine serration	155	1	10 3042
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Cross jaw tweezer

manufactured from steel, with copper jaws for heat dissipation

straight, narrow-round shape	160	1	10 3062
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Insulated tweezers

straight, pointed shape	130	1	10 3110
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straight, pointed shape

150		1	10 3112
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straight, flat-round shape

145		1	10 3114
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▲ 1000 V tweezers

with 2-layer safety insulation and anti-slip protection, tested according to DIN EN 60900

▲ 1000 V straight, flat-round shape	145	1	10 3232
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▲ 1000 V bent, flat-pointed shape

145		1	10 3240
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Control mirror

Mirror ø 30 mm	275	6	11 1600
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Combi pick-up tool

with additional integrated 500 g ring magnet. Black, plastic-coated bendable shaft (returns to the original position after bending) complete with a Ø 6 mm (externally Ø 7 mm) pick-up tool and anodised case measuring Ø 15 mm. Aluminium actuation handle with Ø 32 mm counterholder, Ø 24 mm actuation pushbutton and integrated return spring.

Total length 700 mm (usable depth 600 mm)	700	1	11 1650
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Flexible pick-up tool

bendable shaft Ø 6 mm (does not return to the original position after bending). Pick-up tool design complete with return spring on the actuation pushbutton. Aluminium actuation handle with Ø 20 mm counterholder, Ø 16 mm actuation pushbutton.

Total length 540 mm (usable depth 450 mm)	540	6	11 1652
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Flexible magnetic pick-up tool

mini magnetic pick-up tool with ø 4 mm neodymium magnets, on flexible, plastic-coated wire spindle, for the recovery of metal pieces from small und narrow spaces.

Adhesive force 270 g	400	1	11 1654
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Telescopic magnetic pick-up tool ø 6 mm

in pocket format complete with attachment clip, extendable from 125 mm up to 630 mm (total length) and a tensile force of 500 g. 7 mm head diameter, chrome-plated design

chrome-plated design	125	1	11 1622
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Design

Size/mm

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Article no.

cimco®

	Design	Size/mm	PU	Article no.
Sealing pliers and accessories				
Diagonal sealing pliers				
1	single joint with induction hardened precision blade (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel with 8 mm ø punches.			
2		160 mm (6") 1	10 0030	
3	loose punch	8 mm ø 1 piece	10 1732	
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Sealing pliers				
	Punch ø mm Receptacle ø mm			
8	4	125	1	10 1690
9	4	145	1	10 1692
10	5	165	1	10 1694
12	5	220	1	10 1698
	loose punch ø mm Receptacle ø mm			
8	4	1	10 1700	
9	4	1	10 1702	
10	5	1	10 1704	
12	5	1	10 1708	
Sealing pliers				
	without strap lock, 8 mm ø	105	1	10 1720
	with strap lock, 8 mm ø	105	1	10 1722
	loose punch, 8 mm ø	1	10 1724	
Engravings for seal punches				
	up to 3 letters	1	10 1733	
	every additional letter	1	10 1734	
	every border	1	10 1735	
	special engraving			
Lead seals				
	ø mm			
8	approx. 850 pieces	1 kg	14 0750	
9	approx. 600 pieces	1 kg	14 0752	
10	approx. 400 pieces	1 kg	14 0754	
12	approx. 300 pieces	1 kg	14 0758	
Wire lead seals				
	with moulded coil wire, 200 mm in length			
	ø mm			
8	approx. 450 pieces	1 kg	14 0760	
10	approx. 260 pieces	1 kg	14 0762	
12	approx. 150 pieces	1 kg	14 0764	
Plastic seals				
	ø mm			
8	orange	1000	14 0738	
9	grey	1000	14 0740	
10	orange	1000	14 0742	
12	grey	1000	14 0744	
Plastic-coated seal wire				
	Iron wire	ø mm		
	Coil: 100 m, white	0.5 x 0.6	1	14 0778
	Coil: 100 m, blue	0.5 x 0.6	1	14 0779
Seal wire				
	galvanised steel wire, stainless steel	ø mm		
	Coil: 1/2 kg = approx. 115 m	0.5 x 0.5	1	14 0768
	Coil: 1 kg = ca. 230 m	0.5 x 0.5	1	14 0770
	Coil: 1/2 kg = approx. 190 m	0.5 x 0.3	1	14 0772
	Coil: 1 kg = ca. 380 m	0.5 x 0.3	1	14 0774



cimco®

Design	Size/mm	PU	Article no.
Sealing pliers set			1 10 1730

comprising of diagonal sealing pliers no. 10 0030 incl. punch pair, 1000 plastic seals orange no. 14 0738, 100 m plastic-coating seal wire, white (order no. 14 0778), in stable plastic box



Circlip pliers (Seeger pliers)

for the damage-free application and removal of circlips or snap rings on shafts and in boreholes, manufactured from made of chrome-vanadium steel, polished-chrome plated, with PVC handle sleeves, cylindric plier tips.

Shape for circlips mm Ø

according to DIN 5254 A for external retainers, straight jaws

A 3 (A 0)	3 - 10	140	1	10 1410
A 10 (A 1)	10 - 25	140	1	10 1412
A 19 (A 2)	19 - 60	180	1	10 1414
A 40 (A 3)	40 - 100	225	1	10 1416
A 85 (A 4)	85 - 165	310	1	10 1418



according to DIN 5254 B

for external retainers, 90° angled jaws

B 3 (A 01)	3 - 10	130	1	10 1430
B 10 (A 11)	10 - 25	130	1	10 1432
B 19 (A 21)	19 - 60	170	1	10 1434
B 40 (A 31)	40 - 100	210	1	10 1436
B 85 (A 41)	85 - 165	310	1	10 1438



according to DIN 5256 C

for internal retainers, straight jaws

C 3 (J 0)	3 - 10	140	1	10 1450
C 8 (J 1)	8 - 25	140	1	10 1452
C 19 (J 2)	19 - 60	180	1	10 1454
C 40 (J 3)	40 - 100	225	1	10 1456
C 85 (J 4)	85 - 165	290	1	10 1458



according to DIN 5256 D

for internal retainers, 90° angled jaws

D 3 (J 01)	3 - 10	130	1	10 1470
D 8 (J 11)	8 - 25	130	1	10 1472
D 19 (J 21)	19 - 60	170	1	10 1474
D 40 (J 31)	40 - 100	210	1	10 1476
D 85 (J 41)	85 - 165	290	1	10 1478



Lever pressure pliers (locking pliers)

ideal for the holding and fixing of workpieces for welding, soldering, cutting and processing. Chrome-vanadium steel jaws, with release lever and wire cutter

Wing span mm

0 - 35	185	1	10 1300
0 - 50	250	1	10 1302
0 - 65	300	1	10 1304



Bolt cutter

robust bolt cutters in a compact design. Blade and pipehead manufactured from drop-forged special steel. Reduced separating force thanks to ideal geometry and cutting performance up to 48 HRC. With ergonomic 2-component handles and precise, adjustable blades.

460 1 10 0450

Pincer (nippers)

according to DIN ISO 9243, with PVC handle sleeves

200 6 10 1524



Rabitz plier (mechanic's pliers)

according to DIN ISO 9242, with PVC handle sleeves

220 6 10 1540



1	Design	Size/mm	PU	Article no.
	Revolving punch pliers			

forged, with brass pressure piece and 6 interchangeable punches (order no. 10 1552 up to 10 1558)

2 - 2.5 - 3 - 3.5 - 4 - 5 mm ø 230 1 10 1550



manufactured from steel sheets, with brass pressure piece and 6 interchangeable punches

2 - 2.5 - 3 - 3.5 - 4 - 4.5 mm ø 220 1 10 1562



Notching pliers

Special tool for the fast and clean cutting out of plastic tracks (e.g. cable channels)

Cutting depth 30 mm Cutting width 15 mm 180 1 10 1640



Control pliers

for paper punches and thin plastics, e.g. for the simple marking of badges before they are removed from the carrying material. Mouth depth 30 mm

Round recess 3 mm ø 120 1 10 1650



Special recesses for control pliers

round recess up to max. 5 mm ø as well as special shapes up to 3 mm in height, e.g.

Please state the special recess upon ordering:



PICCOLO folding pliers

manufactured from chrome vanadium steel, with single joint, jaw width 22 mm

Jaw shape

straight 180 1 10 2080

45° 180 1 10 2082



Folding pliers

manufactured from chrome vanadium steel, with single joint, PVC-coated handles

Straight folding pliers

Working head 40 mm 240 1 10 2060

Working head 60 mm 260 1 10 2062

Working head 80 mm 300 1 10 2063



45° Folding pliers

Working head 40 mm 240 1 10 2064

Working head 60 mm 260 1 10 2066

Working head 80 mm 300 1 10 2067



90° Folding pliers

Working head 40 mm 240 1 10 2057

Working head 60 mm 260 1 10 2058

Working head 80 mm 300 1 10 2059



Flat nose pliers, straight

Working head 12 mm, with cut 250 1 10 2068

Working head 12 mm, without cut 250 1 10 2069



Flat nose pliers 45°

Working head 12 mm, with cut 250 1 10 2072

Working head 12 mm, without cut 250 1 10 2073

Round nose pliers

Working head 7 mm, with cut 250 1 10 2070

Working head 7 mm, without cut 250 1 10 2071

Design

Size/mm

PU

Article no.

cimco®

SCREWDRIVERS, ELECTRONIC SCREWDRIVERS



Design

The non-slip handle design allows individual handling. The plate-shaped turning cap with large finger grips allows for precise and fine adjustment.

Colour coding

The desired blade type can be identified at a glance by the colour-coded rings.

Blade

All blades are manufactured to a precise profile of high-alloy, tough and hard special steel.



Screw system marking

The screwdrivers are marked on the end of the handle with a symbol for the screw system and size. This allows the user to choose the "right" tool at a glance (convenient, for instance, in the tool bag).



Blade

The specially hardened and high-alloy steel guarantees a long service life. Due to the machined blade tips, we guarantee maximum fitting precision of all VDE types in the screw head.

Insulation

All insulated 3K screwdrivers are not only VDE/GS approved, they also fulfil the new, enhanced IEC 60900:2005 standard without compromise. This specifies, among other things, an individual test in a water bath with a testing voltage of 10,000 V.

Quick rotation zone

A narrow, quick rotation zone with good grip allows for precise and sensitive work.

Handle

The three-component handle with its rounded triangular shape and curved longitudinal contour allows for fatigue-free work.

Markings

Permanently on the handle with standard specifications:

- IEC 60900:2005
- VDE GS double strike
- Voltage range AC 1000 V
- C = increased cold impact resistance
- EAN Code



Blade size (W x H x L mm)	Total length mm	PU	Article no.
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1 Insulated screwdrivers according to IEC 60900:2005, classification VDE 0682, part 201.

2 Individually tested in a water bath with a testing voltage of 10.000 V.

3 Electrician screwdrivers

according to DIN EN 60900; VDE 0682 - 201:2005 - 01; DIN ISO 2380

2.5 x 0.4	75	160	12	11 7701
3.0 x 0.5	100	185	12	11 7702
3.5 x 0.6	100	185	12	11 7703
4.0 x 0.8	100	185	12	11 7704
5.5 x 1.0	125	220	12	11 7705
6.5 x 1.2	150	245	12	11 7706
8.0 x 1.2	175	285	12	11 7708
10.0 x 1.6	200	310	12	11 7710

 1000 V 



4 Phillips cross-head screwdrivers

according to DIN EN 60900; VDE 0682 - 201:2005 - 01; DIN ISO 8764

PH 0	60	145	12	11 7730
PH 1	80	165	12	11 7731
PH 2	100	195	12	11 7732
PH 3	150	260	12	11 7733



5 Pozidriv cross-head screwdrivers

according to DIN EN 60900; VDE 0682 - 201:2005 - 01; DIN ISO 8764

PZ 0	60	145	12	11 7740
PZ 1	80	165	12	11 7741
PZ 2	100	195	12	11 7742
PZ 3	150	260	12	11 7743



6 Special screwdrivers with combination profile

according to DIN EN 60900; VDE 0682 - 201:2005 - 01

for combined slot-head/crosshead screws in electrical equipment, i.e. terminal blocks

PZ FL 1	80	165	12	11 7751
PZ FL 2	100	195	12	11 7752
Set PZ FL 1 and PZ FL 2 (no. 11 7751 and 11 7752)		1	12	11 7750
PH FL 1	80	165	12	11 7757
PH FL 2	100	195	12	11 7758



12 Hex keys (Allen wrench)

according to DIN EN 60900; VDE 0682 - 201:2005 - 01

Size 3	75	160	12	11 7823
Size 4	75	160	12	11 7824
Size 5	75	170	12	11 7825
Size 6	100	195	12	11 7826
Size 8	100	210	12	11 7828



19 TORX® screwdrivers

according to DIN EN 60900; VDE 0682 - 201:2005 - 01

T 8	60	145	12	11 7908
T 9	60	145	12	11 7909
T 10	60	155	12	11 7910
T 15	75	170	12	11 7915
T 20	100	195	12	11 7920
T 25	100	195	12	11 7925
T 30	100	210	12	11 7930



23 Hex nut drivers

according to DIN EN 60900; VDE 0682 - 201:2005 - 01

Size 5.5	125	220	12	11 7805
Size 6	125	220	12	11 7806
Size 7	125	235	12	11 7807
Size 8	125	235	12	11 7808
Size 9	125	235	12	11 7809
Size 10	125	235	12	11 7810
Size 11	125	235	12	11 7811
Size 13	125	235	12	11 7813



Blade size (W x H x L mm)

Total length mm

PU

Article no.

cimco®

Blade size (W x H x L mm)	Total length mm	PU	Article no.
Electrician screwdriver set, 7-piece			
VDE electrician screwdriver for slot-head screws			
2.5 x 0.4 x 75	11 7701		
3.0 x 0.5 x 100	11 7702		
4.0 x 0.8 x 100	11 7704		
5.5 x 1.0 x 125	11 7705		
VDE cross-head screwdriver			
PH 1 x 80	11 7731		
PH 2 x 100	11 7732		
VDE voltage tester (250 V AC)	11 1280		
	11 7800	1	



1000 V



Electrician screwdriver set, 7-piece

VDE electrician screwdriver for slot-head screws			
2.5 x 0.4 x 75	11 7701		
3.0 x 0.5 x 100	11 7702		
4.0 x 0.8 x 100	11 7704		
5.5 x 1.0 x 125	11 7705		
VDE cross-head screwdriver			
PZ 1 x 80	11 7741		
PZ 2 x 100	11 7742		
VDE voltage tester (250 V AC)	11 1280		
	11 7802	1	



1000 V



Slot-head screwdriver set, 5-piece

VDE electrician screwdrivers for slot-head screws			
2.5 x 0.4 x 75	11 7701		
3.5 x 0.6 x 100	11 7703		
4.0 x 0.8 x 100	11 7704		
5.5 x 1.0 x 125	11 7705		
6.5 x 1.2 x 150	11 7706		
	11 7700	1	



1000 V



Cross-head screwdriver set, 6-piece

VDE Phillips/Pozidriv cross-head screwdriver			
PH 1 x 80	11 7731		
PH 2 x 100	11 7732		
PH 3 x 150	11 7733		
PZ 1 x 80	11 7741		
PZ 2 x 100	11 7742		
PZ 3 x 150	11 7743		
	11 7745	1	



1000 V



Hex key (Allen wrench) set, 5-piece

VDE hex key			
Size 3 x 75	11 7823		
Size 4 x 75	11 7824		
Size 5 x 75	11 7825		
Size 6 x 100	11 7826		
Size 8 x 100	11 7828		
	11 7820	1	



1000 V



TORX® screwdriver set, 5-piece

VDE TORX screwdriver			
T 8 x 60	11 7908		
T 10 x 60	11 7910		
T 15 x 75	11 7915		
T 20 x 100	11 7920		
T 25 x 100	11 7925		
	11 7900	1	



1000 V



Blade size (W x H x L mm)	Total length mm	PU	Article no.
Hex nut driver set, 5-piece			
VDE nut driver			
Size 5.5 x 125	11 7805		
Size 7 x 125	11 7807		
Size 8 x 125	11 7808		
Size 10 x 125	11 7810		
Size 13 x 125	11 7813		
	1	11 7801	



1000 V



VDE screwdriver set ELEKTRO-MEGA-DRIVE, 13-piece

VDE electrician screwdrivers for slot-head screws

2.5 x 0.4 x 75	11 7701		
3.0 x 0.5 x 100	11 7702		
4.0 x 0.8 x 100	11 7704		
5.5 x 1.0 x 125	11 7705		



1000 V



VDE Phillips/Pozidriv cross-head screwdrivers

PH 1 x 80	11 7731		
PH 2 x 100	11 7732		
PZ 1 x 80	11 7741		
PZ 2 x 100	11 7742		



VDE TORX® screwdrivers

T 10	11 7910		
T 15	11 7915		
T 20	11 7920		
T 25	11 7925		
VDE voltage tester (250 V AC)	11 1280		



1 11 7000

Non-insulated screwdrivers with polished, chromium-plated blade Workshop screwdrivers

according to ISO 2380

3.5 x 0.6 x 75	160	12	11 7103
4.0 x 0.8 x 100	185	12	11 7104
5.5 x 1.0 x 125	220	12	11 7105
6.5 x 1.2 x 150	245	12	11 7106
8.0 x 1.2 x 150	260	12	11 7107
8.0 x 1.6 x 175	285	12	11 7108
10.0 x 1.6 x 200	310	12	11 7110



Electrician screwdrivers

2.5 x 0.4 x 75	160	12	11 7121
3.0 x 0.5 x 100	185	12	11 7122
3.5 x 0.6 x 100	185	12	11 7123
4.0 x 0.8 x 100	185	12	11 7124
5.5 x 1.0 x 125	220	12	11 7125
5.5 x 1.0 x 200	295	12	11 7126



Phillips cross-head screwdrivers

according to DIN ISO 8764			
PH 0 x 60	145	12	11 7130
PH 1 x 80	165	12	11 7131
PH 2 x 100	195	12	11 7132
PH 3 x 150	260	12	11 7133



Pozidriv cross-head screwdrivers

according to DIN ISO 8764 - 1			
PZ 0 x 60	145	12	11 7140
PZ 1 x 80	165	12	11 7141
PZ 2 x 100	195	12	11 7142
PZ 3 x 150	260	12	11 7143



Blade size (W x H x L mm)

Total length mm

PU

Article no.

cimco®

Blade size (W x H x L mm)	Total length mm	PU	Article no.	
TORX® screwdrivers with bore (tamper resistant)				
T 6 x 60 (without bore)	135	12	11 7306	
T 7 x 60	135	12	11 7307	
T 8 x 60	145	12	11 7308	
T 9 x 60	145	12	11 7309	
T 10 x 80	175	12	11 7310	
T 15 x 80	175	12	11 7315	
T 20 x 100	195	12	11 7320	
T 25 x 100	195	12	11 7325	
T 30 x 115	225	12	11 7330	
T 40 x 115	225	12	11 7340	



Ball end hex keys (Allen wrench)

according to DIN 5265



Size 3 x 100	185	12	11 7223
Size 4 x 100	185	12	11 7224
Size 5 x 100	195	12	11 7225
Size 6 x 125	220	12	11 7226
Size 8 x 150	260	12	11 7228



Hex nut drivers

according to DIN 3125



Size 5 x 125	210	12	11 7204
Size 5.5 x 125	210	12	11 7205
Size 6 x 125	210	12	11 7206
Size 7 x 125	220	12	11 7207
Size 8 x 125	220	12	11 7208
Size 9 x 125	220	12	11 7209
Size 10 x 125	220	12	11 7210
Size 11 x 125	235	12	11 7211
Size 13 x 125	235	12	11 7213
Size 14 x 125	235	12	11 7214
Size 17 x 125	235	12	11 7217



Chubby screwdrivers

with 2-component handle, for slot-head screws



5.5 x 1.0 x 38	95	12	11 0290
6.5 x 1.2 x 38	95	12	11 0294



for Phillips cross-head screws



PH 1 x 38	95	12	11 0120
PH 2 x 38	95	12	11 0122



Slot-head screwdriver

according to DIN ISO 2380



5.5 x 1.0 x 300	410	12	11 7112
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Phillips cross-head screwdrivers

according to DIN ISO 8764



PH 1 x 300	400	12	11 7114
PH 2 x 300	410	12	11 7116



Screwdriver set, 3-piece

Slot-head screwdriver

11 7112

5.5 x 1.0 x 300	11 7112
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Cross-head screwdrivers

11 7114

PH 1 x 300	11 7114
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PH 2 x 300

11 7116

PH 2 x 300	11 7116
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3 piece

1 11 7102



Blade size (W x H x L mm)

Total length mm

PU

Article no.

cimco®

	Blade size (W x H x L mm)	Total length mm	PU	Article no.	
1	Screwdriver set, 6-piece				
2	Electrician screwdrivers				
3	2.5 x 0.4 x 75			11 7121	
4	4.0 x 0.8 x 100			11 7124	
5	Workshop screwdrivers				
6	5.5 x 1.0 x 125			11 7105	
7	6.5 x 1.2 x 150			11 7106	
8	Cross-head screwdrivers				
9	PH 1 x 80			11 7131	
10	PH 2 x 100			11 7132	
11		1	11 7100		
12	Slot-head screwdriver set, 6-piece				
13	Electrician screwdrivers				
14	2.5 x 0.4 x 75			11 7121	
15	3.5 x 0.6 x 100			11 7123	
16	4.0 x 0.8 x 100			11 7124	
17	Workshop screwdrivers				
18	5.5 x 1.0 x 125			11 7105	
19	6.5 x 1.2 x 150			11 7106	
20	8.0 x 1.2 x 150			11 7107	
21		1	11 7101		
22	Cross-head screwdriver set, 6-piece				
23	Phillips				
24	PH 1 x 80			11 7131	
25	PH 2 x 100			11 7132	
26	PH 3 x 150			11 7133	
	Pozidriv				
	PZ 1 x 80			11 7141	
	PZ 2 x 100			11 7142	
	PZ 3 x 150			11 7143	
		1	11 7145		
	TORX® screwdriver set with bore, 5-piece				
	T 8 x 60			11 7308	
	T 10 x 80			11 7310	
	T 15 x 80			11 7315	
	T 20 x 100			11 7320	
	T 25 x 100			11 7325	
		1	11 7300		
	Ball end hex key (Allen wrench) set, 5-piece				
	Size 3 x 100			11 7223	
	Size 4 x 100			11 7224	
	Size 5 x 100			11 7225	
	Size 6 x 125			11 7226	
	Size 8 x 150			11 7228	
		1	11 7220		
	Hex nut driver set, 5-piece				
	Size 5.5 x 125			11 7205	
	Size 7 x 125			11 7207	
	Size 8 x 125			11 7208	
	Size 10 x 125			11 7210	
	Size 13 x 125			11 7213	
		1	11 7200		

Blade size (W x H x L mm) Total length mm PU Article no. 

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Insulated screw-holding screwdrivers

Blades made of chrome vanadium steel, with impact-resistant plastic handle and holding device for slot-head screws

3 x 0.5 x 100	185	12	11 0782
4 x 0.8 x 125	215	12	11 0784
5 x 1.0 x 150	250	12	11 0786
6 x 1.2 x 175	275	12	11 0788



1

for Phillips cross-head screws

PH 0 x 125	215	12	11 0790
PH 1 x 150	250	12	11 0792
PH 2 x 175	275	12	11 0794



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Screw-holding screwdriver set, 5-piece



Slot-head screwdrivers

3 x 0.5 x 100			11 0782
4 x 0.8 x 125			11 0784
5 x 1.0 x 150			11 0786

Phillips cross-head screwdrivers

PH 0 x 125			11 0790
PH 1 x 150			11 0792

1 11 0796



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Workshop screwdrivers VSM STANDARD

with two-component handles and black tips that are covered with a tube and recessed at the tip

3.5 x 0.5 x 90 (size 1)	180	12	11 7511
4.0 x 0.6 x 100 (size 2)	190	12	11 7512
5.5 x 0.8 x 120 (size 3)	220	12	11 7513
6.5 x 1.0 x 140 (size 4)	250	12	11 7514
8.0 x 1.2 x 160 (size 5)	270	12	11 7515



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Workshop screwdrivers VSM STANDARD

Blades according to the Swiss standard VSM 35601, made of high-alloy chrome vanadium steel, high gloss chromium-plated, with black tips, handles made of impact-resistant, transparent plastic bare blades

2.5 x 0.4 x 80 (size 0)	155	12	11 4704
3.5 x 0.5 x 90 (size 1)	170	12	11 4706
4.0 x 0.6 x 100 (size 2)	180	12	11 4708
5.5 x 0.8 x 120 (size 3)	220	12	11 4710
6.5 x 1.0 x 140 (size 4)	240	12	11 4712
8.0 x 1.2 x 160 (size 5)	270	12	11 4714
10.0 x 1.6 x 180 (size 6)	300	12	11 4716



Blades tube-coated

3.5 x 0.5 x 90 (size 1)	170	12	11 4736
4.0 x 0.6 x 100 (size 2)	180	12	11 4738
5.5 x 0.8 x 120 (size 3)	220	12	11 4740
6.5 x 1.0 x 140 (size 4)	240	12	11 4742
8.0 x 1.2 x 160 (size 5)	270	12	11 4744



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Phillips cross-head screwdrivers



PH 0 x 60	140	12	11 4760
PH 1 x 80	170	12	11 4762
PH 2 x 100	200	12	11 4764
PH 3 x 150	270	12	11 4766

26

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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cimco®

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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1 Torque screwdrivers

Mechanics made exclusively of metal components guarantee outstanding stability and wear resistance. The torque (tolerance range +/- 5%) can be adjusted without additional tools and the locking mechanism prevents unintentional adjustment. When the torque is achieved a clear clicking sound can be heard. The torque limiting mechanism grabs when you tighten a screw, so you can loosen screws even with high torques. The 2-component handle has a replacement blade receptacle and is supplied in the set with replacement blades, roll-up case and test certificate. Size 4.0 x 160 mm



Contains one each of: 0.5 x 3.0 - 0.6 x 3.5 - 0.8 x 4.0 - PZ 0 - PZ 1 - PZ FL 1 - magnetic bit holder - roll-up case

Tightening torque 0.5 x 1.5 Nm adjustment step 0.025 Nm, 160 mm	1	11 4800
Tightening torque 1.5 x 4.0 Nm adjustment step 0.05 Nm, 160 mm	1	11 4802

Replacement blades (size 4.0 x 160 mm) of molybdenum vanadium steel, chrome-plated:

0.4 x 2.0	1	11 4810
0.4 x 2.5	1	11 4812
0.5 x 3.0	1	11 4814
0.6 x 3.5	1	11 4816
0.8 x 4.0	1	11 4818
PH 00	1	11 4820
PH 0	1	11 4822
PH 1	1	11 4824
PZ 0	1	11 4826
PZ 1	1	11 4828
PZ FL 1	1	11 4830
T 5	1	11 4832
T 6	1	11 4834
T 7	1	11 4836
T 8	1	11 4838
T 9	1	11 4840
T 10	1	11 4842
T 15	1	11 4844
T 20	1	11 4846
T 25	1	11 4848
Size 1.5	1	11 4850
Size 2.0	1	11 4852
Size 2.5	1	11 4854
Size 3.0	1	11 4856
Size 4.0	1	11 4858
Size 1/4"	1	11 4860
Magnetic bit holder	1	11 4862



18 Precision clockmaker's screwdriver set

in steel sheet case, screwdriver with nickel-plated brass handle, 6 piece,
one each of 1 - 1.5 - 1.8 - 2.3 - 2.9 - 3.6 mm blade width

1	11 1810
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20 Offset screwdriver

according to DIN 5200, made of chrome vanadium steel, nickel-plated
for slot-head screws



5.0 x 0.65 x 100	12	11 0620
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for Phillips crosshead screws



PH 1 + PH 2 x 100	12	11 0630
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24 Awls

made of chrome vanadium steel, with large, impact-resistant plastic handle for the required pressure and rotating movement

Ø mm	L mm	design	12	Article no.
6	100	(punch)	12	11 0480
6	100	(reamer)	12	11 0482

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Total length mm	PU	Article no.
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cimco®

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Precision screwdrivers (electronic screwdrivers)

The optimum tools especially for smallest screws in electronic and electrical components, radio and stereo systems, telephone systems and all communication technology connections, for precision mechanics, electronics, model making and similar precision work, blades made of special steel, colour-coded ring for marking the screw system

Slot-head screwdriver (colour code white)

1.0 x 0.18 x 40	140	12	11 1860
1.2 x 0.25 x 40	140	12	11 1861
1.8 x 0.3 x 60	160	12	11 1863
2.0 x 0.4 x 60	160	12	11 1864
2.5 x 0.4 x 75	175	12	11 1865
3.0 x 0.5 x 75	175	12	11 1866
3.5 x 0.6 x 100	200	12	11 1868
4.0 x 0.8 x 100	200	12	11 1869
4.0 x 0.8 x 150	250	12	11 1870



Phillips cross-head screwdrivers (colour code light blue)

PH 000 x 40	140	12	11 1875
PH 00 x 40	140	12	11 1876
PH 0 x 60	160	12	11 1877
PH 1 x 80	180	12	11 1880
PH 1 x 150	250	12	11 1881



TORX® screwdrivers (colour code light green)

T 5 x 50	150	12	11 1889
T 6 x 50	150	12	11 1890
T 7 x 50	150	12	11 1891
T 8 x 60	160	12	11 1892
T 9 x 60	160	12	11 1893
T 10 x 80	180	12	11 1894
T 15 x 80	180	12	11 1895



Hex keys (Allen wrenches, colour code yellow)

Size 0.7 x 40	140	12	11 1910
Size 0.9 x 40	140	12	11 1911
Size 1.3 x 40	140	12	11 1912
Size 1.5 x 50	150	12	11 1913
Size 2.0 x 50	150	12	11 1914
Size 2.5 x 60	160	12	11 1915
Size 3.0 x 60	160	12	11 1916



Electronic screwdriver set, 7-piece

for slot-head screws

1.0 x 0.18 x 40	140	12	11 1860
1.2 x 0.25 x 40	140	12	11 1861
1.8 x 0.3 x 60	160	12	11 1863
2.0 x 0.4 x 60	160	12	11 1864
2.5 x 0.4 x 75	175	12	11 1865
3.5 x 0.6 x 100	200	12	11 1868
4.0 x 0.8 x 150	250	12	11 1870

1 11 1898



Electronic screwdriver set, 7-piece

for Phillips cross-head screws

PH 000 x 40	140	12	11 1875
PH 00 x 40	140	12	11 1876
PH 0 x 60	160	12	11 1877
PH 1 x 80	180	12	11 1880
PH 1 x 150	250	12	11 1881



for Pozidriv cross-head screws

PZ 0 x 60	160	12	11 1886
PZ 1 x 80	180	12	11 1887

1 11 1909



Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Blade size (W x H x L mm)	Total length mm	PU	Article no.
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cimco®

	Blade size (W x H x L mm)	Total length mm	PU	Article no.
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25				
26				
	Electronic screwdriver set, 7-piece			
	for slot-head screws			
	2.0 x 0.4 x 60	160		11 1864
	2.5 x 0.4 x 75	175		11 1865
	3.0 x 0.5 x 75	175		11 1866
	3.5 x 0.6 x 100	200		11 1868
	4.0 x 0.8 x 150	250		11 1870
	for Phillips cross-head screws			
	PH 0 x 60	160		11 1877
	PH 1 x 80	180		11 1880
		1	11 1901	
	Electronic screwdriver set, 7-piece			
	for TORX® screws			
	T 5 x 50	150		11 1889
	T 6 x 50	150		11 1890
	T 7 x 50	150		11 1891
	T 8 x 60	160		11 1892
	T 9 x 60	160		11 1893
	T 10 x 80	180		11 1894
	T 15 x 80	180		11 1895
		1	11 1903	
	Electronic hex key (Allen wrench) set, 7-piece			
	for hex socket screws			
	Size 0.7 x 40	140		11 1910
	Size 0.9 x 40	140		11 1911
	Size 1.3 x 40	140		11 1912
	Size 1.5 x 50	150		11 1913
	Size 2.0 x 50	150		11 1914
	Size 2.5 x 60	160		11 1915
	Size 3.0 x 60	160		11 1916
		1	11 1920	
	Electronic nut driver set, 7-piece			
	for hex head screws			
	Size 2.5 x 60	160		11 1932
	Size 3.0 x 60	160		11 1933
	Size 3.2 x 60	160		11 1934
	Size 3.5 x 60	160		11 1935
	Size 4.0 x 60	160		11 1936
	Size 5.0 x 60	160		11 1938
	Size 5.5 x 60	160		11 1939
		1	11 1942	
	Electronic safety screwdriver set, 7-piece			
	according to IEC 60900:2005, blade, insulation and handle are inseparably connected to each other, individually tested in water bath with a testing voltage of 10,000 V.			
				▲ 1000 V CE GS
	for slot-head screws			
	1.5 x 0.3 x 40	140		11 2000
	1.8 x 0.3 x 60	160		11 2002
	2.0 x 0.4 x 60	160		11 2004
	2.5 x 0.4 x 75	175		11 2006
	3.0 x 0.5 x 75	175		11 2008
	for Phillips crosshead screws			
	PH 00 x 40	140		11 2020
	PH 0 x 60	160		11 2022
		1	11 2050	

SCREWING TOOLS

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Heating valve / Square



5 mm

Square / Triangle



9-10 mm



10-11 mm

Square / Half-moon



6 mm



3-5 mm

Square / Triangle



7-8 mm



8-9 mm

Two-way key bit / Triangle



3-5 mm



7 mm

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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BITFLEX bits

The damping zone (only for bits in 25 mm length) between drive and working tip minimises the excessive power peaks which previously lead to high wear and destructive ejection forces. The FLEX-Zone significantly increases the service life of the BITFLEX in comparison with conventional standard bits. All bits with $\frac{1}{4}$ " hex drive,

STANDARD

according to DIN 3128, single bits for Phillips crosshead screws



PH 1	25	1	11 4511
PH 1	90	1	11 4508
PH 2	25	1	11 4512
PH 2	90	1	11 4509
PH 3	25	1	11 4513
PH 3	90	1	11 4510

Single bits for Pozidriv crosshead screws



PZ 1	25	1	11 4515
PZ 1	90	1	11 4518
PZ 2	25	1	11 4516
PZ 2	90	1	11 4519
PZ 3	25	1	11 4517
PZ 3	90	1	11 4520

Single bits for slot-head screws, without FLEX-Zone



4.0 x 0.5	25	1	11 4551
5.5 x 0.8	25	1	11 4555
6.5 x 1.2	25	1	11 4559

Single bits for TORX® screws with bore (tamper resistant), without FLEX-Zone



T 10	25	1	11 4970
T 10	90	1	11 4573
T 15	25	1	11 4971
T 15	90	1	11 4574
T 20	25	1	11 4972
T 20	90	1	11 4575
T 25	25	1	11 4973
T 25	90	1	11 4576

Module bits

for combined slot-head/cross-head screws in electrical equipment, i.e. terminal blocks



PZ 1	70	1	11 4941
PZ 2	70	1	11 4942



TIN

TIN, this is the abbreviation for titanium nitrite. This special coating provides an additional tool life improvement to the already excellent values of BITFLEX.

Single bits for Phillips crosshead screws



PH 1	25	1	11 4521
PH 2	25	1	11 4522
PH 3	25	1	11 4523

Single bits for Pozidriv crosshead screws



PZ 1	25	1	11 4525
PZ 2	25	1	11 4526
PZ 3	25	1	11 4527



Magnetic bit holder

according to DIN 3126, for $\frac{1}{4}$ " bit drive; with permanent magnet

60	1	11 4505
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Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Ball-end magnetic bit holder

with pivoting angle up to 20°, 1/4" x 90 mm,

for screwing applications in deep corners or other tight places. With torque-stable stainless steel casing, hardened, blasted and bronzed. Sliding casing that releases the pivoting function is plated in matt chrome and has a colour ring. Hex ball-end joint of chrome vanadium steel, stainless steel casing ø 12.0 x 32 mm

90 x 17

1

11 4502



NEW
2

T-handle magnetic bit holder

in modern two-component design, for 1/4" bits of all lengths

85 x 95

12

11 4500



3
4

Bit box, 10-piece

case cap with star-shaped receiver for bits and universal holder

for slot-head screws

4 - 5.5 - 7 mm width

for Phillips crosshead screws

PH 1 - PH 2 - PH 3

for Pozidriv crosshead screws

PZ 1 - PZ 2 - PZ 3



1 11 4604

5
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Handy bit cases

each with 60 mm magnetic bit holder. The case can also be used directly as a screw tool.

With 6 bits

for slot-head screws 5.5 x 0.8 - 6.5 x 1.2

for Phillips crosshead screws PH 1 + PH 2

for Pozidriv crosshead screws PZ 1 + PZ 2



7
8
9

7-piece

1 11 4598

with 16 bits

for slot-head screws 6.5 x 1.2

for Phillips crosshead screws PH 1, PH 2 (2 pieces), PH 3

for Pozidriv crosshead screws PZ 1, PZ 2 (3 pieces), PZ 3



10
11
12

for TORX® screws with bore T 10, T 15, T 20, T 25, T 30, T 40

17-piece

1 11 4596

with 2 TORX® bits each of size T 10 - T 20 - T 25

7-piece

1 11 4597



13
14
15

Bit case PROBIT, 21-piece

Transparent, clearly organised storage magazine. Thanks to its compact, rounded design and receiver for a magnetic bit holder, it can also be used as screwdriver. With magnetic bit holder and 20 bits.

for slot-head screws 5.5 x 0.8 mm and 6.5 x 1.2 mm

for crosshead screws PH 1 (2 pieces), PH 2 (3 pieces) and PH 3

for crosshead screws PZ 1 (2 pieces), PZ 2 (3 pieces) and PZ 3

for TORX® screws T 10, T 15, T 20, T 25, T 30 and T 40

1 11 4600



16
17
18

Bit set ELEKTRO TOP, 21-piece

In a practical transport and storage case, includes 1 universal bit holder with permanent magnet, in the types and sizes most common in the electrical field with 60 mm length, and 20 bits 90 mm long

Phillips crosshead screws PH 1, PH 2, PH 3

Pozidriv crosshead screws PZ 1, PZ 2, PZ 3

TORX® size T 10 - T 15 - T 20 - T 25



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1 11 4602

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Blade size (W x H x L mm)

Total length mm

PU

Article no.

cimco®

	Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Bit set SPEZIAL, 33-piece

Bit set for loosening safety screws. Contains one each of: magnetic holder 60 mm for 1/4" bit drive TORX® bits with bore (tamper resistant) T 8 - T 10 - T 15 - T 20 - T 25 - T 27 - T 30 - T 35 - T 40 Hex bits with bore (tamper resistant) 2 - 2.5 - 3 - 4 - 5 - 6 mm, 5/64" - 3/32" - 7/64" - 1/8" - 9/64" - 9/32"

Slot bits with recess (spanner) 4 - 6 - 8 - 10 mm

Tri-wing bits TW 1 - TW 2 - TW 3 - TW 4

Torq-set bits TS 6 - TS 8 - TS 10 mm

1 11 4599



Screwdriver

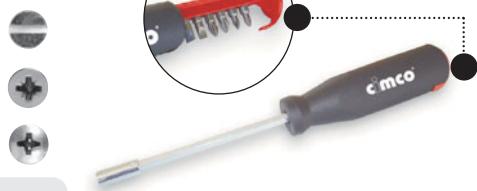
including 6 bits, with 125 mm long, rigid shaft and magnetic holder. Sliding bit holder integrated into handle for 6 bits:

for slot-head screws 5.5 x 0.8 - 6.5 x 1.2

for Phillips crosshead screws PH 1 + PH 2

for Pozidriv crosshead screws PZ 1 + PZ 2

1 11 4580



“Long safety bits” set, 50-piece

for working with screws of all types, especially safety screws and special screws. Thanks to extended length of 75 mm excellent for working in less accessible places in cramped conditions, with standard hex receiver 1/4" for cordless screwdriver and manual operation, made of chrome vanadium steel, stored neatly and securely in a shock-resistant plastic case (195 x 135 x 38 mm). Contains one each of the following screw bits:

Slot 4 mm - 5 mm - 6 mm



TORX® T 10 - T 15 - T 20 - T 25 - T 30



Slot with recess (Spanner)

4 mm - 6 mm - 8 mm - 10 mm



TORX® with bore (tamper resistant)

T 8 TR - T 10 TR - T 15 TR - T 20 TR - T 25 TR
T 27 TR - T 30 TR - T 35 - T 40 TR



Phillips crosshead PH 1 - PH 2



TORQ-SET TS 6 - TS 8 - TS 10



Pozidriv crosshead PZ 1 - PZ 2



TRI-WING

TW 1 - TW 2 - TW 3 - TW 4



Square socket (Robertson) size 1 - size 2



CLUTCH

C 1 - C 2 - C 3



Hex socket (Allen) 4 mm - 5 mm - 6 mm



XZN polygon size 5 - size 6 - size 8



universal bit holder, with 1/4" hex receiver and permanent magnet, length 60 mm

1 11 4606



Hex key set, 9-piece

with key sizes 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm, with extra long blade with ball end, made of fully hardened S2 special steel, polished, hard chrome-plated surface, rounded edges, in a practical plastic holder for adding to a tool bag or for mounting on the wall

1 11 0604



T-handle screwdriver set, 8-piece

for applying significantly more power than with conventional screwdrivers. With double-sided drive for hex socket screws (Allen screws). Voluminous edge-free handle with 2-component design and soft rubber insert, blades made of highly tempered S2 special steel, chrome-plated, with ball end on the longer blade, black glazed, including practical storage stand for positioning on the work bench or for mounting on the wall.

One key each of 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm

1 11 0520



Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Hex key sets, 8-piece

on key ring, according to DIN 911, made of chrome vanadium steel

Size 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 5/64" - 3/32" - 1/8" - 5/32" - 3/16" - 7/32" - 1/4" - 5/16"	1	11 0592
	1	11 0594



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Ball-end hex key set, 7-piece

in a pocket-sized holder

Size 2.5 - 3 - 4 - 5 - 6 - 8 - 10	1	11 0596
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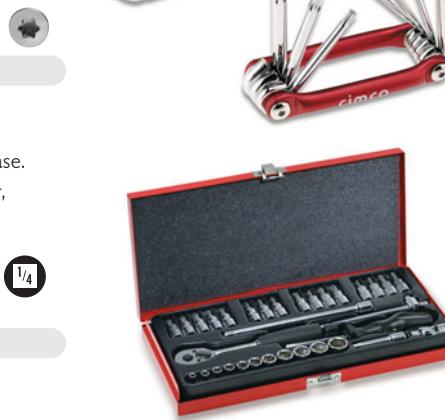


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TORX® key set, 8-piece

in a pocket-sized holder

T 9 - T 10 - T 15 - T 20 - T 25 - T 27 - T 30 - T 40	1	11 0598
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Socket wrench set, 33-piece

1/4" square drive, hex sockets made of chrome vanadium steel, plated with polished chrome, in a metal case.

Reversible ratchet with PosiLock holding mechanism, slide handle, 50 mm and 150 mm extensions, holder, Cardan joint, sockets/bits: hex sockets sizes 4 to 14 mm, hex bit (Allen) 3 to 6 mm

Slot-head screw bit 0.5 x 4 0.6 x 4.5 0.8 x 5.5

Crosshead screw bits PH 1 - PH 2 - PH 3 - PZ 1 - PZ 2 - PZ 3

TORX® screw bits T 10 - T 15 - T 20

280 x 130 x 90 mm	1	11 3104
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Socket wrench set, 52-piece

in a robust metal case, tools made of chrome vanadium steel, high-gloss polished and chrome-plated. Contents:

1/4" socket wrench system



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One of each of the following:

Hex sockets 4 - 4.5 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 13 mm

ratchet with plastic-handle, reversible for clockwise/counterclockwise rotation, with ball stop and quick release button that prevents sockets from being released accidentally, with 36-step ratcheting (pivoting angle 10°)

115 mm T-handle with sliding head

75 mm extension

35 mm cardan joint

Adapter for 1/4" hex bits

1/2" socket wrench system



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One of each of the following:

Hex sockets 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm

21 mm hex socket with rubber clamp (spark plug wrench)

ratchet with plastic-handle, reversible for clockwise/counterclockwise rotation, with ball stop and quick release button that prevents sockets from being released accidentally, with 36-step ratcheting (pivoting angle 10°)

295 mm T-handle with sliding head

125 and 250 mm extensions

65 mm cardan joint

1/4" hex drive screw bit system



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One of each of the following:

ratcheting screwdriver, clockwise/counterclockwise rotation or locking in middle position, 180 mm

Standard bits in plastic holder:

Slot-head bits 0.5 x 4 mm, 0.8 x 5.5 mm, 1.2 x 7 mm

Crosshead bits PH 1, PH 2, PH 3

Hex bits (Allen) 3 - 4 - 5 - 6 - 7 - 8 mm

1/4" square drive with ball stop

Additional tools: 1.5 - 2 - 2.5 mm hex keys (one each)

1	11 3152
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Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Blade size (W x H x L mm)	Total length mm	PU	Article no.
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cimco®

1 **Blade size (W x H x L mm)****Total length mm****PU****Article no.**

Bit and socket wrench set, 28-piece

in attractive, compact, two-coloured plastic box, sockets and drive ratchet made of chrome vanadium steel, specially hardened, high-gloss polished and hard chrome-plated.

Contains one of each of the following:

Twelve-point sockets with $\frac{1}{4}$ " square drive: 4 – 4.5 – 5 – 5.5 – 6 – 7 – 8 – 9 – 10 – 11 – 12 – 13 – 14 mm

Mini ratchet with reverser and quick release $\frac{1}{4}$ " square drive,

Screw bits of S2 special steel, 25 mm long; one bit each

for slot-head screws 4 – 5 – 6 mm

for Phillips cross-head screws PH 1 – PH 2 – PH 3

for Pozidriv cross-head screws PZ 1 – PZ 2 – PZ 3

for hex socket (Allen) screws 4 – 5 – 6 mm

Bit holder with quick release, 55 mm long, for manual and machine operation

Adapter from $\frac{1}{4}$ " square drive (i.e. for ratchet) to $\frac{1}{4}$ " hex drive (i.e. for screw bit), 25 mm long



1 11 3154

Ratchet-ring and open-end spanner set, 12-piece

Spanner sizes in set: 8 – 9 – 10 – 11 – 12 – 13 – 14 – 15 – 16 – 17 – 18 – 19 mm (order no. 11 2508 to 11 2519), delivered in a robust, roomy roll-up tool bag.

1 11 2505



Ratchet-ring and open-end spanner set, 16-piece

made of chrome vanadium steel, highly polished and chrome-plated, ratchet with fine gearing (72 teeth = only 5° pivoting angle), ideally suited for work in constricted working areas.

Contents:

Open-ended and ratchet-ring spanners (size 10, 11, 13 and 17), bits for Phillips / Pozidriv cross-head screws PH 1 – PH 2 – PZ 1 – PZ 2 bits for slot-head screws 4 - 5.5 - 6.5 mm widths, bits for hex socket screws 5 - 6 mm, 10 mm bit adapter, $\frac{1}{4}$ " square adapter

1 11 2434



Ratchet-ring and open-end spanners

for loosening or quickly tightening screws and nuts in one go with ratchet mechanism without having to reposition the ring-ratchet.

On one side open-end spanner with 15° offset, on the other side a ring spanner of the same size with integrated ratchet mechanism with distinct advantages: Ratchet with fine gearing: 72 teeth = only 5° minimum pivoting angle. Switch from clockwise and counterclockwise rotation by simply turning over the spanner rather than by switching a lever, often in the wrong direction.

The spanners have very narrow dimensions in spite of ratchet. Thus the tools are especially suitable for constricted working spaces.

12-point ring with flank drive, i.e., the drive does not take place over the edges of the screw head but on the flanks, whereby a fundamentally higher power transmission is achieved and the edges of the screw heads and nuts are spared.



Made of chrome vanadium steel, drop-forged, specially hardened, high-gloss polished, nickel-plated and hard-chrome plated.

Very high torque transmission, the requirements of DIN are exceeded.

Spanner widths

8 mm	1	11 2508
9 mm	1	11 2509
10 mm	1	11 2510
11 mm	1	11 2511
12 mm	1	11 2512
13 mm	1	11 2513
14 mm	1	11 2514
15 mm	1	11 2515
16 mm	1	11 2516
17 mm	1	11 2517
18 mm	1	11 2518
19 mm	1	11 2519



23 **Blade size (W x H x L mm)**

Total length mm**PU****Article no.**

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Double open-ended wrench sets

according to DIN 3110 and ISO 3318, 15° jaw position, made of chrome vanadium steel, bright chrome-plated
8-piece 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22 mm, with plastic clip

1 11 2310

12-piece 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 mm

1 11 2312



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Double open-ended wrenches, individual

6 x 7 mm	1	11 2200
8 x 9 mm	1	11 2202
10 x 11 mm	1	11 2204
10 x 13 mm	1	11 2206
12 x 13 mm	1	11 2208
13 x 14 mm	1	11 2210
13 x 17 mm	1	11 2212
14 x 15 mm	1	11 2214
16 x 17 mm	1	11 2218
17 x 19 mm	1	11 2220
18 x 19 mm	1	11 2222
20 x 22 mm	1	11 2226
21 x 23 mm	1	11 2228
24 x 27 mm	1	11 2232
25 x 28 mm	1	11 2234
30 x 32 mm	1	11 2238



12-point double-endend ring wrench sets

according to DIN 838 and ISO 3318, deep-offset (75°), made of chrome vanadium steel, bright chrome-plated,
8-piece 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22 mm

1 11 2430

12-piece 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 mm

1 11 2432



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12-point double-endend ring wrenches, individual

6 x 7 mm	1	11 2330
8 x 9 mm	1	11 2332
10 x 11 mm	1	11 2334
10 x 13 mm	1	11 2336
12 x 13 mm	1	11 2338
14 x 15 mm	1	11 2344
16 x 17 mm	1	11 2348
17 x 19 mm	1	11 2350
18 x 19 mm	1	11 2352
20 x 22 mm	1	11 2356
21 x 23 mm	1	11 2358
24 x 27 mm	1	11 2362
25 x 28 mm	1	11 2364
30 x 32 mm	1	11 2368



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Blade size (W x H x L mm)	Total length mm	PU	Article no.
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cimco®

	Blade size (W x H x L mm)	Total length mm	PU	Article no.
1	Combination wrench set, 17-piece			
	according to DIN 3113 A and ISO 3318, made of chrome vanadium steel, bright chrome-plated			
2	Size 6 to 22 mm, in 1 mm increments	1	11 2500	
3	Combination wrenches, individual			
4	6 mm	1	11 2450	
5	7 mm	1	11 2452	
6	8 mm	1	11 2454	
7	9 mm	1	11 2456	
8	10 mm	1	11 2458	
9	11 mm	1	11 2460	
10	12 mm	1	11 2462	
11	13 mm	1	11 2464	
12	14 mm	1	11 2466	
13	15 mm	1	11 2468	
14	16 mm	1	11 2470	
15	17 mm	1	11 2472	
16	18 mm	1	11 2474	
17	19 mm	1	11 2476	
18	20 mm	1	11 2478	
19	21 mm	1	11 2480	
20	22 mm	1	11 2482	
21	24 mm	1	11 2484	
22	27 mm	1	11 2486	
23	30 mm	1	11 2488	
24	32 mm	1	11 2490	



Adjustable wrenches

according to DIN 3117 A, made of forged steel, chrome-plated, handle coated with PVC, for handling simple tasks quickly and flexibly.

Size 19	160	1	11 2800
Size 24	210	1	11 2802
Size 29	260	1	11 2804



Ratchet tool and sockets for screwed cable glands

Patented, professional tool system for time-saving, non-sliding and comfortable assembly of screwed cable glands, outstanding performance even in very constricted working areas (minimum pivoting angle only 10°) and while working with screwed cable glands with inserted cable, no damage to screw connections, for plastic and metal screw connections of several jaw sizes, ratchet and sockets made of special precision-manufactured steel, loading capacity at least 20 Nm



Torque wrenches

Releasing torque wrench with receiver for interchangeable tool attachments, quick adjusting via QuickSelect (safety locking device), window indicator with Nm and ft.lb or in.lb, 2-component handle. Additional loading after release or loading against the functional direction, e.g. with stuck screws, does not affect the release mechanism as it is protected against such damage. Indicator deviation ± 3%. Size of tool receiver in mm, with Manoskop (square socket) 9 x 12 mm. Supply includes operating instructions and factory calibration certificate. Only for use in combination with CIMCO article no. 11 5114 and 11 5116

Scale range: 2-20 Nm / 20-180 in.lb

Scale increments: 1 Nm/ 10 in.lb

Fine scale increments: 0.2 Nm

Weight 740 g	1	11 5110
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Scale range: 10-50 Nm / 7-37 ft.lb

Scale increments: 5 Nm/ 1 ft.lb

Fine scale increments: 0.25 Nm

Weight 831 g	1	11 5112
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Ratchet adapters

made of chrome vanadium steel, reversible, 60 teeth, suitable for torque wrench with 9 x 12 square receiver. Connection between torque wrench and ratchet adapter is secured by a spring-loaded retaining pin. When used with CIMCO torque wrench, article no. 11 5110 and 11 5112, no gauge correction needed on the torque wrench. Only for use in combination with CIMCO article no. 11 5110 and 11 1512.



1/2"	1	11 5114
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3/8"	1	11 5116
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	Blade size (W x H x L mm)	Total length mm	PU	Article no.
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cimco®

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Open ring-ratchet

Slotted ratchet head with removable plastic handle, size 20 mm for receiving all of the following sockets, clockwise and counterclockwise rotation by simply turning over the ratchet, thus suitable for tightening and loosening screwed cable glands

1 11 5100



Sockets for screwed cable gland ratchet

with size 20 receiver, slotted version (other dimensions available upon request, minimum order 100 pieces) for screw connections

(mind manufacturer dimensions)	Size		
M 12	14	1	11 5014
M 12	15	1	11 5015
M 12, M 16	17	1	11 5017
M 12, M 16	19	1	11 5019
M 12, M 16	20	1	11 5020
M 16, M 20	22	1	11 5022
M 16, M 20	24	1	11 5024
M 20, M 25	27	1	11 5027
M 20, M 25	30	1	11 5030



Ratchet and socket set for screwed cable glands

Set in shock-resistant, plastic transport and storage case, consisting of 2-piece open ring ratchet

no. 11 5100 and 9 sockets (order no. 11 5014 to 11 5030) for all common plastic and metal screwed cable glands of various manufacturers up to M 25

11 piece 14 - 30 1 11 5000



Universal wrench for screwed cable glands

for tightening and loosening screwed cable glands of all kind, automatic continuously adjustable jaw size, ratchet-like function with 60° pivoting angle, handy and convenient even in constricted working areas, with fixed setting for continuous work with the same screw connection sizes, burnished metal surfaces, with two-component plastic handles

For size mm	Length mm	Weight g		
13 - 23	180	180	6	11 5040
24 - 36	200	220	6	11 5042
2 piece set size 13 - 23 and size 24 - 36			1	11 5045

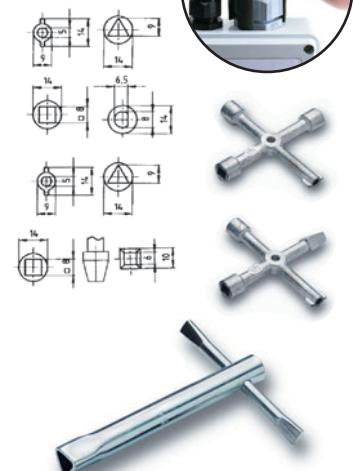


Mast key

made of die cast zinc (GD-ZN), 90 x 90 mm

with half-moon 10 11 2882

with square bit 10 11 2883



Triangle socket wrench

according to DIN 22417, with moving handle, zinc-coated, length 70 mm

for screws	Length of edges		
M 3	6 mm	1	11 2900
M 4	7 mm	1	11 2902
M 5	9 mm	1	11 2904
M 6	11 mm	1	11 2906
M 8	13 mm	1	11 2908
M 10	16.5 mm	1	11 2910
M 12	18 mm	1	11 2912



Multi-Key

A completely new system – every switch cabinet key or mast key can be assembled individually.

Choose from among 13 different ends. All parts made of robust, precision-cast steel.

The interchangeable sockets are captively attached by a neodymium magnet.

Multi-Key set

complete set cross-key (order no. 11 2783), all sockets (order no. 11 2784 to 11 2797), in a plastic storage case

1 11 2798

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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Blade size (W x H x L mm)	Total length mm	PU	Article no.
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1 Cross-key

with 4 x $\frac{1}{4}$ " receiver. Arms round (9 mm ø). With long chain and 7 mm screwdriver bit.

1 11 2783



2 Sockets

for Multi-Key system

Square socket	6	1	11 2784
	7	1	11 2785
	8	1	11 2786
	10	1	11 2787
Triangular socket	7	1	11 2788
	8	1	11 2790
	9	1	11 2791
	10	1	11 2792
Square bit	6 - 10	1	11 2795
Two-way key	3	1	11 2793
	5	1	11 2794
Half-moon		1	11 2797
DB standard		1	11 2796

3 Switch cabinet key made of metal

for all common switch cabinets. Small dimensions, light weight. With adapter for $\frac{1}{4}$ " bits, with square key for ventilating valves on heating radiators and double-bit for:

Slot-head screws 1.0 x 7.0 mm



Cross-head screws PH 2



7 - 8 mm

6 mm

5 mm

9 mm

3 - 5 mm

Universal switch cabinet key

1 11 2894



15 Switch cabinet key case

1 11 2898



18 Switch cabinet key „Mini“

1 11 2891

19 SuBMaster

for all common switch cabinets, sub-distributions, street lamps, etc. Eight different wrenches can be brought into position by means of a double turning mechanism. An attached 5.0 mm square is especially suitable for ventilating heaters. With adapter for $\frac{1}{4}$ " bits, designed with carabiner hook. Magnetic plug connection for 9 - 10 mm square. Weight 200 g

5 mm	6 mm	7-8 mm	9-10 mm	7 mm	8-9 mm	10-11 mm	3-5 mm	6 mm
96 x 92							1	11 2992



20 SuBMaster „Building“

Universal key for all locks with cylinder bore, also for all common technical tips. By means of a quadruple turning mechanism, 8 different switch cabinet tips can be brought into position. Additionally with 5 mm square on the body. The incremental squares are attached magnetically with the SuBMaster and are easy to release. With stable chain and carabiner hook.

5 mm	6 mm	7-8 mm	9-10 mm	7 mm	8-9 mm	10-11 mm	3-5 mm	6 mm
							1	11 2990



25 Blade size (W x H x L mm)

26 Total length mm

PU

Article no.

cimco®

Blade size (W x H x L mm)	Total length mm	PU	Article no.
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SuBMaster KOMPAKT

Universal wrench for all common switch cabinets, sub-distributions, street lamps, etc.

In a practical trouser pocket format (dimensions 97 x 25 mm) with clip.

By means of a double turning mechanism, 4 different switch cabinet ends can be brought into position.

Additionally there are a 5 mm square and a 1/4" bit receiver incl. magnet in the body for 7-8 mm square.



1 11 2988



Special DB switch cabinet wrench

Design as with universal switch cabinet key (order no. 11 2894), but with ends for Daimler Benz standard instead of 6 mm square

1 11 2895



Universal key PROFI KEY

made of die cast zinc, with chain, adapter for 1/4" bits and double-bit for:

Slot-head screws 1.0 x 7.0 mm



Crosshead screws PH 2



5 mm

7 mm

8 mm

9 mm

4 - 10 mm

(e.g. heater ventilating valve)

Ideal for heating, air conditioning and ventilation and in new construction.

1 11 2922



New construction key

Solid metal key made of annealed cast iron, with versatile use options in buildings, especially new construction.

□ Square socket 6, 7 and 8 mm, □ square drive bit 6 – 10 mm

for doors and windows without fittings, hex key (Allen) 3 mm for set screws on door handles, adapter to close and open profile cylinder lock receivers (17 mm ø), depth gauge for built-in locks 22 to 75 mm, bottle opener

195 1 11 2890



SuBKey ELEKTRO

for all common switch cabinets. By means of double turning mechanism, 4 different universal keys for switch cabinets can be put into position. A universal 1/4" bit receiver allows for use of all commercially available bits. A neodymium permanent magnet securely holds the bits in the receiver. Weight: approx. 120 g.

Bits for:

Crosshead screws PH 2



5 mm

6 mm

7-8 mm

9 mm

3 - 5 mm

155

1 11 2994



Blade size (W x H x L mm)	Total length mm	PU	Article no.
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1 SuBKey BUILDING

for all common technical tips, also for door and window fittings, with new step-shaped square drive bit. By means of double turning mechanism, 3 different keys can be put into position. A 5 mm square attached to the pin is especially suitable for ventilating heaters. Due to the $\frac{1}{4}$ " bit receiver, all commercial bits can be used. A neodymium permanent magnet securely holds the bits in the receiver.

Weight 110 g

Bit for:

Crosshead screws PH 2



6 - 9 mm



9 mm



8 mm



5 mm



145

1

11 2998

7 Subfinder - SuBKey ELEKTRO PLUS

The universal switch cabinet key for all common switch cabinets is manufactured from polycarbonate and has an integrated voltage tester. By means of double turning mechanism, 4 different switch cabinet keys can be put into position. A universal $\frac{1}{4}$ " bit receiver allows for use of all commercially available bits. A neodymium permanent magnet securely holds the bits in the receiver.

The PLUS: the non-contact and optical voltage tester provides secure measurements of alternating currents (50 - 600 volt AC, 50 - 60 Hz) even with line interruptions. The tester can be switched on or off with a push button.

Bit for:

Crosshead screws PH 2



6 mm



7 - 8 mm



9 mm



3 - 5 mm



155

1

11 2996

14 Wrench for set screws for fuses

with lacquered wooden handle, suitable for all sizes

175

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14 0100



16 Wrench for set screws for fuses and for contact screws

combination, re-insert to use for set screws for fuses 2 - 63 A, haft made of insulation material

105

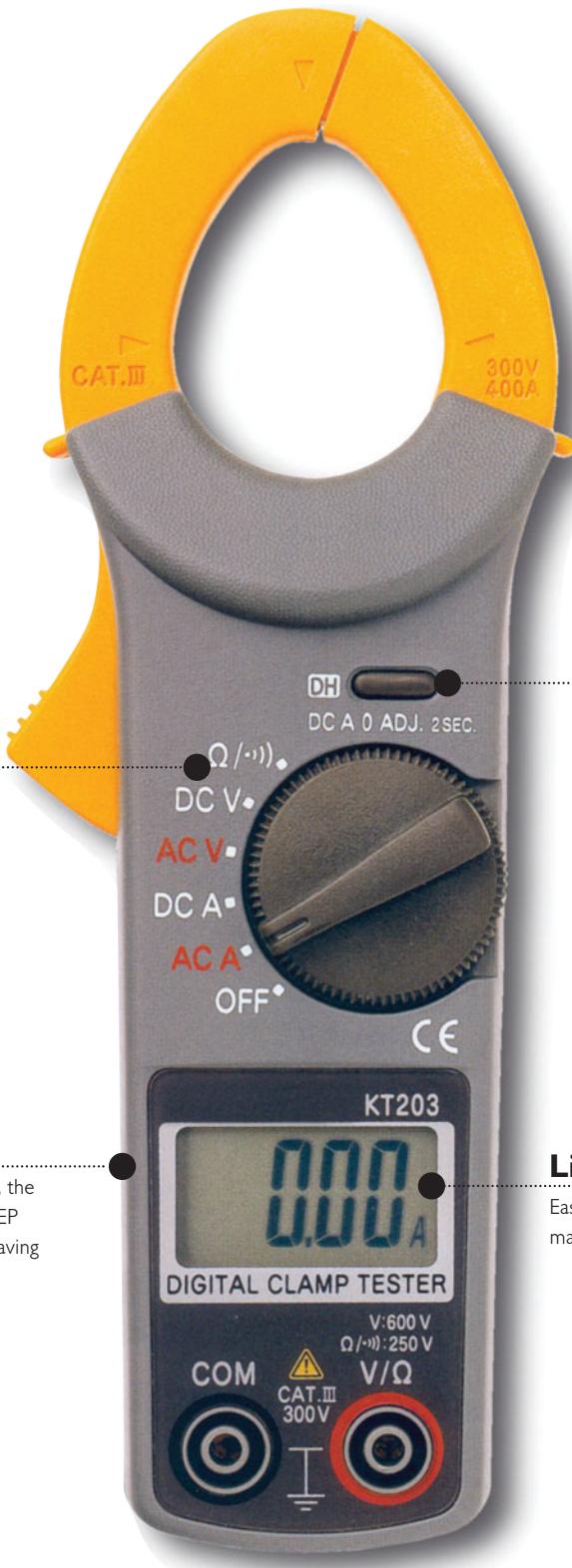
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14 0102



MEASURING AND TESTING INSTRUMENTS

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Multifunction

The clip-on measuring instrument will measure direct and alternating current, direct and alternating voltage, resistance and continuity.

Energy saving function

About 10 minutes after its last operation, the instrument automatically switches to SLEEP mode, using only 35 µA of current and saving on battery power.

Data hold button

Press the button and the data will be held on the LCD for easier reading.

Liquid crystal display

Easy to read display on large LCD with a digit maximum of 4199.

1 Design

2 Size mm

3 PU

4 Article no.

1 Voltage and continuity tester ALPHA

voltage testing 12 V to 690 V AC/DC, automatic AC/DC recognition, automatic polarity display, Testing current < 3.5 mA, integral unipolar phase testing to determine the phase also without counter-potential, acoustic signal and particularly bright LED bar display (+ 12 V, - 12 V, 24 V, 50 V, 120 V, 230 V, 400 V, 690 V, single pole, continuity), voltage display even without or with discharged batteries, continuity test with visual display and acoustic signal, resistance range 0 to 400 kΩ, patented double-pole phase rotation indicator (100 to 690 V), battery testing function, integral test point lighting, loss-proof probe point protector, broad anti-slip guard, quick one-handed test for mains sockets using fixed 19 mm contact gap, power supply 2 batteries 1.5 V IEC LR603

1 11 1420



2 Voltage and continuity tester DUSPOL EXPERT

display of direct and alternating voltage 12 - 690 V (LED), display stages: 12, 24, 50, 120, 230, 400, 690 V / 750 V DC, additional vibrating alarm for voltage recognition, continuity test 0 - 108 kΩ (buzzer and LED), phase rotation / phase testing (LCD), polarity testing (LED), load connection via push-button: IC ≤ 200 mA, with precision lighting of dark testing points, type of protection IP 64 (dustproof / splash protected), tested and certified in accordance with IEC 61243-3, VDE 0682 part 401, overvoltage category CAT IV 500 V, includes 2 x 1.5 V micro-batteries (LR03 / AAA)

1 11 1433



3 Voltage tester DUSPOL ANALOG PLUS

display of direct and alternating voltage from 12 - 690 V (7-stage LED / plunger coil), display stages: 12, 24, 50, 120, 230, 400, 500, 690 V AC / 750 V DC, additional vibrating alarm for voltage recognition, phase rotation / phase testing (LCD), polarity testing (LED), deliberate tripping of the ground fault circuit interrupter (IC ≤ 250 mA), type of protection IP 64 (dustproof / splash protected), tested and certified in accordance with IEC 61243-3, VDE 0682-401, overvoltage category CAT IV 500 V

1 11 1430



4 Voltage and continuity tester DUSPOL digital LC

illuminated 3-digit LCD and 7-stage LED display for direct and alternating voltage from 6 - 690 V, continuous voltage display: 6 V - 690 V AC / 750 V DC (LCD), display stages: 12, 24, 50, 120, 230, 400, 690 V AC / 750 V DC (LED), additional vibration alarm for voltage recognition, acoustic / visual continuity test (buzzer / LCD), phase rotation / phase test (LCD), polarity test (LCD), deliberate tripping of ground fault circuit interrupter (IC ≤ 250 mA), illumination of test points, type of protection IP 64 (dustproof / splash protected), tested and certified according to IEC 61243-3, VDE 0682-401, overvoltage category CAT IV 500 V, III 690 V, including 2 x 1.5 V micro-batteries (LR03/ AAA)

1 11 1427



5 Voltage and continuity tester DUSPOL COMBI

display of direct and alternating voltage from 12 - 690 V (LED), display stages: 12, 24, 50, 120, 230, 400, 690 V / 750 V DC, additional vibration alarm for voltage recognition, continuity and semiconductor test 0 - 600 kΩ (LCD), polarity test (LED), load connection via push-button: IC ≤ 200 mA, type of protection IP 64 (dustproof / splash protected), tested and certified according to IEC 61243-3, VDE 0682 Part 401, overvoltage category CAT IV 500 V.

1 11 1428



6 Safety voltage tester PROFIPOL

with polarity display, phase display against protective earth, for direct and alternating current from 6 - 400 V on LED, diode display (LED) +/- 6 V, 12 V, 50 V, 120 V, 230 V, 400 V, polarity display on LED, power input 30 mA, type of protection IP 65 (dust/waterproof), approved for indoor and outdoor use, tested and certified in accordance with IEC 61243-3, VDE 0682 Part 401

1 11 1425



7 Continuity and circuit tester DUTEST

with additional torch function (permanent light) and two-stage range indicator: 0 - 900 Ω/0 - 90 kΩ by LED and buzzer, visually by diode display (LED), acoustically by buzzer, low-resistance measuring range: 0 - 900 Ω, high-resistance measuring range: 0 - 90 kΩ, with external voltage protection, type of protection IP 40, tested and approved in accordance with VDE 0403

1 11 1435



8 Continuity tester

for resistance, semiconductor, polarity and capacitor testing (0.01 to 1000 µF), with acoustic signal and visual display with resistance-dependent tone pitch, resistance range 0 bis 500 kΩ, testing current approx. 2.2 mA, external voltage display > 50 V, electric strength up to 600 V, power supply 1 battery 9 V IEC 6LR61, weight 230 g

100 x 50 x 25 1 11 1400



Design

Size mm

PU

Article no.

cimco®

Design**Size mm****PU****Article no.**

Digital pocket multimeter

in credit card format, with a wide range of measurements and a high degree of accuracy: automatic choice of measurement range, direct current and alternating voltage measurements up to 400 mV / 4 V / 40 V / 400 V / 600 V respectively, frequency measurements up to 10 Hz / 100 Hz / 1 kHz / 10 kHz / 100 kHz / 1 MHz / 10 MHz, resistance measurement up to 400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ, relative function for measurement by comparison, diode, capacitance and continuity tests, display on large LCD (max. 3999), data hold button for easier reading, continuity test with acoustic signal, automatic switch-off about 15 minutes after last operation (energy saving function), overload protection 3700 V AC, weight only 70 g including batteries, supplied with 2 LR44 batteries (1.5 volt), 1 set of integral test leads plus folder for carrying and protection.



107 x 54 x 10

1 11 1402

Digital multimeter

compact multimeter with a wide range of measurements and a high degree of precision: direct, automatic or manual measurement of direct and alternating current, up to 400 mV / 4 V / 40 V / 400 V / 600 V, 400 μA / 4000 μA / 40 mA / 400 mA / 4 A / 10 A respectively, frequency measurement up to 5.12 Hz / 51.2 Hz / 512 Hz / 5.12 kHz / 51.2 kHz / 512 kHz / 5.12 MHz / 10 MHz, resistance measurement up to 400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ, relative function for testing by comparison, diode, capacitance and continuity tests, display on large LCD (max. 3999), data hold button for easier reading, continuity test with acoustic signal, display of charge condition, automatic switch-off about 30 minutes after last use (energy saving function), overload protection 3700 V AC for 1 minute, weight only 260 g including batteries, supplied with 2 R6P batteries (1.5 volt), 1 fuse 0.5 A / 250 V and 1 fuse 10 A / 250 V, 1 set of test leads plus rubber protective case.



155 x 75 x 33

1 11 1404

Clip-on adapter

can be used in combination with any digital multimeter with a range of 200 mV/2 V alternating current to carry out current measuring. Connects directly to the 4 mm input socket of the multimeter. Measurement range: 0 A to 300 A at 1.5% ± 2 A, conversion 1 A AC corresponds to 1 mV, operating temperature: 0 °C bis 50 °C, width of opening max. 28 mm



1 11 1414

Clip-on measuring instrument

small measuring instrument for one-handed operation, pincer opening 30 mm, measurement range for alternating current up to 40 A/400 A, alternating voltage up to 600 V, direct voltage up to 400 V/600 V, resistance up to 400 Ω / 4000 Ω, precision of measurement +/- 2 %, LC-display (max. 3999), data hold button for easier reading, continuity test with acoustic signal, charge condition display, automatic switch-off after about 10 minutes without operation (energy saving function), overload protection 480 A AC/720 V AC, weight only 250 g including batteries, delivery includes 2 R03 batteries (1.5 volt) and 1 set of test leads.



184 x 44 x 27

1 11 1413

Digital clip-on measuring instrument AC / DC

small, easy to handle clip-on measuring instrument for one-handed operation, pincer opening width 30 mm, display on large LCD (digits max. 4199), data hold button for easier reading, battery charge condition is displayed, current consumption approx. 15 mA, automatic switch-off about 10 minutes after last operation (energy saving function, only 35 μA current consumption to conserve the battery), overload protection for 10 seconds AC/DC 480 A or respectively 720 V with display on the LCD, complies with IEC 61 010-1 CAT. III 300 V.



Two self-setting measurement ranges for

Alternating current AC: up to 40 A (+/- 3%) and up to 400 A (+/- 4%), frequency range 50/60 Hz,

Direct current DC: up to 40 A (+/- 3%) and up to 400 A (+/- 4%),

Alternating voltage AC: up to 400 V (+/- 2%) and up to 600 V (+/- 2%), frequency range 50/60 Hz,

Direct voltage DC: up to 400 V (+/- 1,5 %) and up to 600 V (+/- 1,5 %),

Resistance: up to 400 Ω and up to 4000 Ω (+/- 2 %)

Continuity test: with acoustic signal at 50 Ω +/- 35 Ω.

Weight only 200 g including batteries, supplied with 2 R03 batteries (1.5 volt DC), 1 set of test leads and operating instructions.

187 x 68 x 38

1 11 1415

Test leads

both ends with 4 mm safety technology in accordance with DIN VDE 0411/EN 61010/IEC 61010, one end straight, one end angled. PVC insulated highly flexible 0.8 mm test lead, current rating up to 16 A, measuring circuit category CAT III / 1000 volt, length 1 m

red 1 11 1470

black 1 11 1471

**Design****Size mm****PU****Article no.**
cimco®

1	Design	Size mm	PU	Article no.
Test probes				
2	with 4 mm safety technology according to DIN VDE 0411 / EN 61010 / IEC 61010, short design, current rating up to 16 A, measurement circuit category CAT III / 1000 volt			
3	with 2 mm stainless steel probes, length 102 mm			
4	2-piece set grey / red and grey / black	1	11 1474	
5	with 4 mm probes, length 142 mm			
6	grey / red	1	11 1475	
7	grey / black	1	11 1476	
8	2-piece set grey / red and grey / black	1	11 1477	



Crocodile clips

with 4 mm safety technology according to DIN VDE 0411 / EN 61010 / IEC 61010, opening approx. 21 mm, current rating up to 16 A, measurement circuit category CAT III / 1000 volt

grey / red	1	11 1478
grey / black	1	11 1479
2-piece set grey / red and grey / black	1	11 1480



Test lead set, 6-pieces

contains: 1 item each of

Test lead 1 m red	11 1470
Test lead 1 m black	11 1471
Crocodile clip grey / red	11 1478
Crocodile clip grey / black	11 1479
	1 11 1485



Non-contact voltage tester VOLTFIX

non-contact, visual and acoustic recognition of alternating voltages. Quick, exact discovery of wire breaks in exposed cables, e. g. in cable drums. Compact, easy to handle shape, able to fit in any pocket. Wide range of applications in craft trades and industry, includes 2 1.5 volt batteries. (In rare cases, static charging may lead to false readings: please always check the instrument before starting operations by carrying out a function test with a known power source).

50 to 600 V AC, 50 to 500 Hz	1	11 1460
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Non-contact magnet tester MAGNO-VOLTFIX

non-contact, visual and acoustic recognition of alternating voltages. Visual signal for recognition of magnetic fields, e. g. on magnetic coils or permanent magnets. Quick, exact discovery of cable breaks in exposed cables, e. g. cable drums, includes 2 1.5 volt batteries.

50 to 600 V AC, 50 to 500 Hz	1	11 1465
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Metal and voltage detector

non-contact detection of voltages AC 50-300 V down to a depth of 100 mm, metal detection down to 40 mm, visual display and acoustic signal.

1	11 1416
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Cable detective

test instrument for mains copper cables, for discovering connection faults in customised data cables and complete installations. All coaxial connections with BNC/TNC connectors, USB cables and all UTP/STP cabling with 6 or 8 pin modular plugs can be checked in seconds for wire breaks, pin assignment and short circuits, both for individual conductors and for shielding. With visual (LED) and acoustic error signals. The „Cable Detective“ reduces the tedious, fraught and expensive search for cable faults to a minimum. Even longer cables laid up to 200 m can be tested by a single person. In practical belt pouch, comprehensive operating instructions. For 9 volt E-block battery.

145 x 86 x 26 mm	1	11 1440
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Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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Voltage tester

with clear, transparent, impact-proof plastic handle tested according to VDE, Diy pouch

W mm	L mm	Testing range V			
3.0	65	120 - 250 AC	140	12	11 1280
3.5	100	120 - 250 AC	190	12	11 1288



Voltage tester Drei-Ve

the innovative triangular handle means this new CIMCO voltage tester is simply easier to hold in the hand. The Drei-Ve voltage tester has an ergonomically shaped triangular handle in transparent, impact proof plastic. The curved vertical contour allows the best possible contact pressure and the appropriately shaped holding clip on the handle will secure it to a shirt or overall pocket. The voltage tester is manufactured to meet the latest DIN standards and VDE/GS tested.



W mm	L mm	Testing range V			
3.0	65	150 - 250 AC	155	1	11 1282

Voltage tester

with clear, transparent, impact-proof plastic handle, in Diy pouch (no approval for Germany)

W mm	L mm	Testing range V			
3	45	100 - 500 AC	125	12	11 1320



Voltage tester

with retractable screwdriver blade

W mm	L mm	Testing range V			
4	25	150 - 250 AC	140	12	11 1300



Voltage tester EURO

with all-round slip guard

W mm	L mm	Testing range V			
3.5	14	125 - 250 AC	190	12	11 1290



Design

Size mm

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Article no.

cimco®

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CABLE UNWINDING AND WINDING DEVICES



Measuring device

For the quick and accurate determination of cable lengths complete with a wide range of application thanks to the automatic cable size adjustment, suitable for all types of cables and similar wound products with diameters ranging from 4 mm to 35 mm.

Combination

The cable length hand measuring device is fixed to the CIMCO TROMMELFIX 200 and TROMMELFIX 700 cable drum unroller using the connection frame. As a result, the measuring device becomes a stationary facility for cutting wire to size on standard cable drums.

Application

The flat, low-lying loading ramp permits the problem-free intake of cable drums. Lateral guides prevent the cable drum from slipping.

Mobility

All CIMCO TROMMELFIX 200 cable drum unrollers can be equipped using a castor set, thus providing the utmost mobility in the warehouse as well as on the construction site.

Design	Size mm	PU	Article no.
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Cable unwinding and winding devices

Cable coil dispenser

manufactured from powder-coated steel tubing and suitable for use with all types of cables as well as flexible empty conduits, for horizontal and vertical unwinding and winding of cable coils with a minimum internal diameter of 110 mm and maximum outer diameter of 300 mm, quickly adjustable to varying coil diameters thanks to self-locking guides, complete with 3 anti-slip rubber feet, carrying handle and quick winding crank handle, maximum load-bearing capacity up to 70 kg



H x W x L mm

570 x 460 x 400

1

14 2740

Cable drum unroller TROMMELFIX

Extremely robust cable drum dispenser manufactured from powder-coated steel sheet complete with carrying handle and four height-adjustable, anti-slip rubber feet, flat loading ramp, with two bearer rollers and lateral drum guides

TROMMELFIX 200

Maximum load-bearing capacity of 200 kg, maximum drum diameter of 700 mm, maximum drum width of 530 mm, bearer roller distance can be adjusted as desired by simply re-hanging the rollers (200, 300 and 400 mm), weight 15.7 kg

120 x 600 x 635 mm

1

14 2750



TROMMELFIX 700

Maximum load-bearing capacity of 700 kg, drum diameter of 1000 mm, maximum drum width of 730 mm, bearer roller distance can be adjusted as desired by simply re-hanging the rollers (200, 300, 400 and 500 mm), weight 26 kg

160 x 750 x 780 mm

1

14 2752

Transport set for cable drum unroller TROMMELFIX 200

Useful addition for the mobile utilisation of the cable drum unroller (order no. 14 2750). Set comprises of: 4 screw-on castors (2 of which can be swiveled and 2 complete with parking brake); hand rod that can be plugged together for the pushing and pulling of even a loaded cable drum unroller including receptacle for cable length hand measuring device number 14 2745; stable loading ramp manufactured from grooved steel sheet which prevents the slipping of heavy drums, complete with 4 anti-slip rubber feet and carrying handle; 2 screw-on receptacles for the connection of cable drum unroller and hand rod; assembly instructions. The set can be assembled very quickly and can also be utilised as a retrofit set when dealing with older CIMCO cable drum unrollers.

1 14 2754



KartMEX® dispensers for disposable cable drums

for cable drums with maximum diameters of 800 mm and maximum weights of 200 kg, particularly advantageous when dealing with damaged cable drums, ideally suitable for the simple winding, unwinding and re-winding of small cable and wire cross-sections thanks to a second upper axle. Collapsible and therefore more comfortable and provides space-saving transportation in the vehicle.

Dispenser basic unit 980 x 800 x 200 mm 1 14 2730

2. matching axle 1 14 2732



Aluminium runner

for all widths of cable drum; aluminium body with repositionable rollers.

Load-bearing capacity/pair Max. drum ø H x W x L mm

Slip-resistant thanks to rubber liner, complete with plastic rollers

300 kg 800 mm 152 x 120 x 590 1 pair 14 2700



complete with aluminium rollers

1000 kg 1200 mm 220 x 140 x 1000 1 pair 14 2702

Design

Size mm

PU

Article no.

cimco®

1 Cable length hand measuring device

measuring device for the quick and accurate determination of cable lengths, further area of application for all types of cables and similar wound products measuring between 4 and 35 mm in diameter, automatic cable size adjustment via leaf clamp, German-branded counter with excellent measuring accuracy, measurement range from 0 to 9999.9 m, zero position via the reset toggle switch, knurled aluminium measuring wheel, unscrewable handle for mobile use on construction sites, in the warehouse, workshop etc., with mounting shaft for stationary use in connection with all CIMCO TROMMELFIX dispensing aids and the CIMCO connection frame, can also be assembled on the cable coil dispenser (order no. 14 2740)

4 - 35 mm ø

1 14 2745



5 Connection frame for cable length hand measuring device

the cable length hand measuring device is fixed to the CIMCO Trommelfix 200 and Trommelfix 700 cable drum unrollers using the connection frame. As a result, the measuring device becomes a stationary facility for the cutting wire to size on all standard cable drums. Can be adjusted to many positions in both height and length and can also be oscillated via the lockable rollers, ensuring that it can be adjusted to all individual working and location situations, assembly is completed within a few seconds thanks to simply plugging it together, ideal for all cable drum warehouses when it comes to wholesale and retail as well as on construction sites, exceptionally low weight of 3.5 kg

1 14 2748



9 KATMEX® cable drum hoists

robust and compact steel structures suitable for construction sites, galvanised or powder-coated. Two hoists and a matching axle are required for the assembly of a complete hoisting facility.

Cable drum ∅ mm	max. capacity /pair kg	Actuation	Special feature	Article No.
min. max.				
1100 1600	4000	Spindling, by hand	-	14 2320
1100 1600	4000	Pumping, by hand	Quick adjustment	14 2322
600 1600	2000	Levering, by hand	-	14 2324
800 2200	10000	Pumping, by foot, presetting by ratcheting the axle bearing shells	Quick adjustment, mobile	14 2326
800 3200	10000	Pumping, by foot, presetting by ratcheting the axle bearing shells	Quick adjustment, mobile	14 2328

Further hoists for cable drums weighing up to 20,000 kg available on request.

15 Cable drum spindle hoist

for cable drums with a maximum diameter of 1600 mm, lifting height greater than 100 mm, capacity of 4000 kg per pair, construction height of 640 mm, floor space 400 x 200 mm, weight 13.2 kg

1 14 2320



18 Hydraulic cable drum hoist

with hand pump, 3-fold height adjustment, for cable drums with a maximum diameter of 1600 mm, lifting height of 100 mm, capacity of 4000 kg per pair, construction height of between 620 and 960 mm, floor space 400 x 200 mm, weight 16.3 kg

1 14 2322



20 Cable drum hoist

sensitive height adjustment of the axle bearing shells via notches, for cable drums with a maximum diameter of 1600 mm, lifting height of 60 mm, capacity of 2000 kg per pair, construction height of 900 mm, floor space 630 x 310 mm, weight 14 kg

Left design 1 14 2323

Right design 1 14 2324



23 Cable drum hoist HYDROKAT

hydraulic cable drum hoist, mobile, can be easily positioned by one person working on the cable drum, safe load acceptance thanks to double columns, 7-stage or 13-stage height adjustment of the axle bearing shells via notches, lifting height of 150 mm, capacity of 10,000 kg per pair, floor space 540 x 340 mm

For cable drums Construction height Weight

with a diameter of

700 mm up to 2200 mm	1070 mm	53 kg	1	14 2326
700 mm up to 3200 mm	1635 mm	69 kg	1	14 2328



Design	Size mm	PU	Article no.
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Cable drum hoist HYDROKAT

design with embedded axle bearing shells, for a low-friction unwinding of cable drums, protects the drum axles and the axle bearing shells. Utilisation only in combination with adjusting rings.

For cable drums
with a diameter of

800 mm up to 2200 mm	1070 mm	53 kg	1	14 7026
800 mm up to 3200 mm	1635 mm	69 kg	1	14 7027
Adjusting ring for axle diameter of 51 mm			1	14 7028
Adjusting ring for axle diameter of 76 mm			1	14 7029



Mini cable drum hoist HYDROKAT

hydraulic cable drum hoist, for lower drum diameters, safe load acceptance thanks to double columns, capacity of up to 4,000 kg per pair, four-fold height-adjustable axle bearing shell, lifting height of 100 mm, floor space 400 x 200 mm

With diameter of
500 mm up to 1100 mm

With diameter of	Lifting height	Weight		
500 mm up to 1100 mm	735 mm	18 kg	1	14 2325

Drum axles

manufactured from heavy, galvanised steel pipe

Capacity kg	Length mm	Axle ø mm	Weight kg		
3000	1500	51	18	1	14 2330
8000	1850	76	41	1	14 2331
8000	2200	76	45	1	14 2332



Drum axle shells

manufactured from galvanised steel

for axle diameter of 51 mm	0.8 kg	1	14 2335
for axle diameter of 76 mm	1.2 kg	1	14 2336



Cable laying aids for tray ends and straight routes TAXIMAX

Prevention of cable damage when dealing with tray ends with sharp edges. Can also be used in the event of overcrowding of the cable trays. No further technician is required, even when dealing with longer routes.

Galvanised, metal design complete with ball bearing-mounted aluminium rollers on both sides.

With lateral elongated holes for the fastening of cable ties onto the trays (if already occupied with cables).

adjustable for varying rung and lattice distances	1	14 2760
with bevelled sheet	1	14 2762



Cable laying aid for TAXIFIX tray offset

Prevention of cable damage when dealing with sharp corners. Can also be used in the event of overcrowding of the cable trays. No further technician is required, even when dealing with longer routes. Metal design (red, powder-coated) with four aluminium rollers, arrangement of the rollers in cable shape (curved) and locking system for the loading and removal of cables, retainer for screwing onto the tray.

plastic case, 2 dispensing aids, 2 screw retainers	1	14 2764
plastic case, 4 dispensing aids, 4 screw retainers	1	14 2766



XL additional retainer	Width 100 mm	1	14 2768
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Cable winding aids

Plastic winding rods (Fishing tapes)

manufactured from stretched monofilament, complete with solid steel end pieces and additional lead spring, approx. 130 mm in length, cable lugs on both sides, material ø 4 mm, tensile strength 900 N

5 m	1	14 0052
10 m	1	14 0054
15 m	1	14 0056
20 m	1	14 0058
25 m	1	14 0060
30 m	1	14 0062



Crimping pliers for the repair of plastic winding rod

compound leverage crimping pliers complete with automatic ratcheting mechanism and square profile crimping inserts, for the repair of CIMCO nylon winding rods with 4 mm ø.

220	1	10 6114
end piece/lug for the plastic rod	1	14 0065
lead spring for the plastic rod	1	14 0067
coupling for the plastic rod	1	14 0069



Design	Size mm	PU	Article no.
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Design	Size mm	PU	Article no.
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Crimping pliers assortment for plastic rods

in raaco - PSC vario-240 component boxes, with crimping pliers 10 6114.

Contents: 10 lead springs preassembled with coupling piece, 10 coupling pieces, 10 end pieces

31-piece

240 x 190 x 60 mm

1

10 6314



Winding spirals EFLEX (Fishing tapes)

manufactured from quadruple-rolled steel wire spirals, with solid steel end pieces, ø 4 mm shafts, tensile strength 500 N

5	1	14 0040
10	1	14 0042
15	1	14 0044
20	1	14 0046
25	1	14 0048
30	1	14 0050



Steel winding rods (Fishing tapes)

with 2 winding lugs, high-frequency welded, rod thickness 3.5 x 0.5 mm, tensile strength 900 N

10	10	14 0004
15	10	14 0006
20	10	14 0008
25	10	14 0010



Cable pilot set

cable guiding heads for direct insertion of many standard cables into short empty conduit routes. Simply screw the cable pilot onto the cable by hand, push the cable through, unscrew the cable pilot. Eliminates the work stages of implementing the cable winding system, fastening the cable to cable lugs or cable grip, winding and unwinding of the cable winding aid; set consists of small cable pilot (for coaxial cable, NYM 3 x 1.5 mm² etc.) and large cable pilot (for NYM cable 3 x 2.5 mm² - 5 x 1.5 mm² - 5 x 2.5 mm² etc.)

1 14 2188



Cable guiding heads for domestic connection cables

same method of function as with the cable pilot, i.e. simply screw on to the cable end and push the cable directly into the short empty conduit (approx. 10 to 20 m), no damage caused to cables that have already been laid, no deployment of laborious underground cable laying systems required, manufactured from full aluminium

for cables up to 22 mm ø	1	14 2182
for cables between 20 and 30 mm ø	1	14 2184
for cables between 30 and 50 mm ø	1	14 2186



Glass-fibre push rod basic assortment

the perfect solution for laying cables in suspended ceilings or confined spaces. The 6 mm and 8 mm glass-fibre push rods are equipped with an M 5 / M 6 female or male thread sleeve on each end and can be extended as desired.

Push rod assortment, 13-piece

8 mm pull-push rod (5 units)	1020 mm	
6 mm pull-push rod (2 units)	1020 mm	
Adapter M 5 / M 6	20 mm	
Hook M 6	60 mm	
Chain M 5	310 mm	
Magnet M 5	18 mm	
Pulling eye M 5	30 mm	
Pull head M 5	18 mm	
13-piece	1	14 6273



Push rod extension assortment, 3-piece

Pull-push rod 8 mm (3 units)	1020 mm	1	14 6274
Pull-push rod 6 mm (3 units)	1020 mm	1	14 6275



Push rod accessory assortment, 6-piece

Adapter M 5 / M 6	20 mm	
Hook M 6	60 mm	
Chain M 5	310 mm	
Magnet M 5	18 mm	
Pulling eye M 5	30 mm	
Pull head M 5	18 mm	
6-piece	1	14 6290



Design

Size mm

PU

Article no.

cimco®

Super Rod push rod system

makes laying electrical lines in dry construction systems and lightweight designs easier.

The Super Rod push rod systems facilitate an efficient cable by saving time as well as reducing risks and interruptions on the construction site.

The product range is characterised by numerous innovative attachments that increase functionality and allow craftspersons to work more productively.

Despite the brass fitting that is located on each bar and cannot be bent, the pull bars are extremely flexible.

In order to prevent the bars from breaking as a result of over-bending, each bar has been assigned with a maximum bending radius that can be recognised by the colour of the bar.

Push rod set MEGA

total length: 16 metres for the greatest possible flexibility.

Included in the set:

- 3 rigid push rods (black), bending radius > 4 m, respective length 1 m
- 7 medium push rods (red), bending radius > 2.5 m, respective length 1 m
- 4 flexible push rods (yellow), bending radius > 2 m, respective length 1 m
- 1 ultra-flexible push rod (white), bending radius < 1 m, length 1 m
- 1 phosphorescent push rod (matt white), bending radius > 2.5 m, length 1 m
- 1 guide rod for bends (white), length 17 cm
- 1 pliable guide rod for bends (black), length 17 cm
- 1 cable draw grip for cable diameters between 6 and 10 mm (red)
- 1 cable draw grip for cable diameters between 11 and 15 mm (black)
- 1 draw hook
- 1 mini light for the illumination of inaccessible locations
- 1 magnetic end piece in combination with
- 1 chain end piece for the quick location and withdrawal of rod ends
- 1 ring end piece for the fixing of cables to the push rods
- 1 connecting sleeve, both sides with female thread
- 1 semi-spherical end piece for smoothening and cleaning
- 1 cylindrical end piece for pushing and cleaning
- 1 slider



NEW

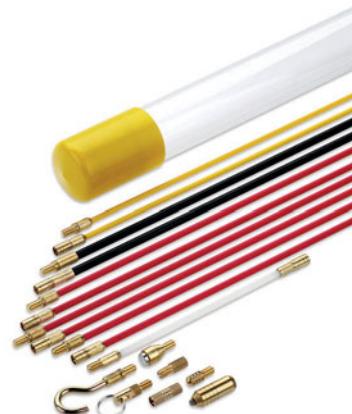
1 14 7300

Push rod set DELUXE

total length: 10 metres

Included in the set:

- 2 rigid push rods (black), bending radius > 4 m, respective length 1 m
- 6 medium push rods (red), bending radius > 2.5 m, respective length 1 m
- 2 flexible push rods (yellow), bending radius > 2 m, respective length 1 m
- 1 guide rod for bends (white), length 17 cm
- 1 draw hook
- 1 mini light for the illumination of inaccessible locations
- 1 magnetic end piece
- 1 ring end piece for the fixing of cables to the push rods
- 1 connecting sleeve, both sides with female thread
- 1 semi-spherical end piece for smoothening and cleaning
- 1 cylindrical end piece for pushing and cleaning



NEW

1 14 7302

Design

Size mm

PU

Article no.

Push rod set SUPER SIX

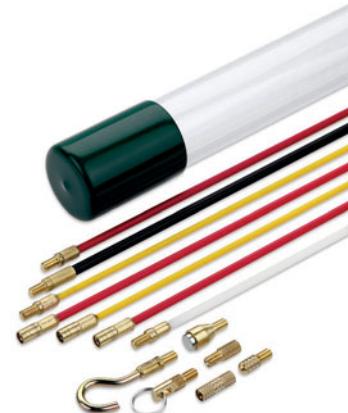
total length: 6 metres

Included in the set:

- 1 rigid push rod (black), bending radius > 4 m, respective length 1 m
- 3 medium push rods (red), bending radius > 2.5 m, respective length 1 m
- 2 flexible push rods (yellow), bending radius > 2 m, respective length 1 m
- 1 guide rod for bends (white), length 17 cm
- 1 draw hook
- 1 magnetic end piece
- 1 ring end piece for the fixing of cables to the push rods
- 1 connecting sleeve, both sides with female thread
- 1 semi-spherical end piece for smoothening and cleaning
- 1 cylindrical end piece for pushing and cleaning

1

14 7304



Push rod set STANDARD

total length: 5 metres

Included in the set:

- 4 medium push rods (red), bending radius > 2.5 m, respective length 1 m
- 1 flexible push rod (yellow), bending radius > 2 m, respective length 1 m
- 1 guide rod for bends (white), length 17 cm
- 1 draw hook
- 1 ring end piece for the fixing of cables to the push rods
- 1 connecting sleeve, both sides with female thread
- 1 semi-spherical end piece for smoothening and cleaning

1

14 7306



Push rod set BASIS

total length: approx. 2 metres

The set contains the three most-used attachments. Furthermore, all attachments belonging to their main sets can be used. The handy basic set is designed for confined spaces in which long bars are too cumbersome or only short cable routes are being laid.

Included in the set:

- 1 rigid push rod (black), bending radius > 4 m, respective length 0.53 m
- 2 medium push rods (red), bending radius > 2.5 m, respective length 0.53 m
- 1 flexible push rod (yellow), bending radius > 2 m, respective length 0.53 m
- 1 ultra-flexible push rod (white), bending radius < 1 m, respective length 0.36 m
- 1 draw hook
- 1 ring end piece for the fixing of cables to the push rods
- 1 semi-spherical end piece for smoothening and cleaning

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14 7308



Push rod set for tool boxes

Total length: approx. 1.5 metres

The tool set provides you with versatility in a compact design. Measuring only 330 mm, it fits into the majority of tool boxes and is available in all four bending radii.

The set can also be combined with the complete range of accessories.

Included in the set:

- 1 rigid push rod (black), bending radius > 4 m, respective length 0.36 m
- 2 medium push rods (red), bending radius > 2.5 m, respective length 0.36 m
- 1 flexible push rod (yellow), bending radius > 2 m, respective length 0.36 m
- 1 ultra-flexible push rod (white), bending radius < 1 m, respective length 0.36 m
- 1 draw hook
- 1 ring end piece for the fixing of cables to the push rods
- 1 semi-spherical end piece for smoothening and cleaning

1

14 7310



Design

Size mm

PU

Article no.

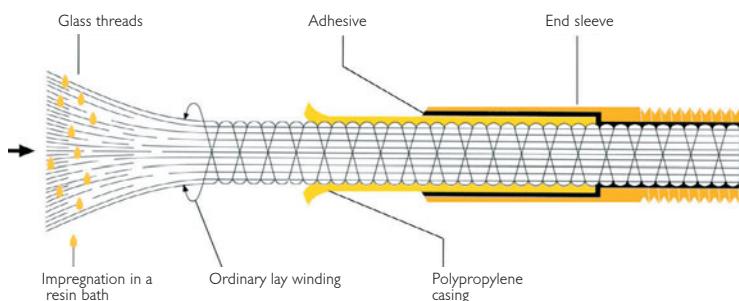
cimco®



rational cable winding devices for professional electricians

Polykat® the glass fibre rod

Polykat® glass fibre rods are the basic elements of all Katimex cable pulling systems. The combination of extreme bending strength and high thrust stability provides the rod with the characteristics of a flexible rod. As a result, extremely small bending radii are possible and narrow pipe bends can be passed through easily. The smooth plastic coating has excellent sliding characteristics and reduces the friction coefficient to a minimum. It is characterised by high wear resistance. The high elasticity of Polykat® glass fibre rods permits the construction of unrivalled small, compact and handy devices.



	KatiBlitz	KatiBlitz vario	KABELMAX	KABELJET	Pipe eel				
Glass fibre rod diameter	3.0 mm		4.5 mm	7.2 mm	9.0 mm	11.0 mm			
Minimum bending radius	50 mm		100 mm	160 mm	200 mm	250 mm			
Rod braking strength	5.0 kN		10.3 kN	28.0 kN	40.0 kN	65.0 kN			
Tested tensile strength of the rod - sleeve connection	1.0 kN		1.5 kN	7.5 kN	10.0 kN	15.0 kN			
Sleeve - rod fastening	glued		glued and pinned						
Typical empty conduit diameter to nominal width	30 mm		60 mm	80 mm	100 mm	250 mm			
Maximum winding lengths up to	50 m	30 m	80 m	120 m	150 m	500 m			
End and connecting sleeve lengths	M 5			M 12					
Typical areas of application									
available accessories / individual parts									
Replacement / extension rod	No. 14 2120 et seq.	x	No. 14 1808 et seq.	No. 14 2225 et seq.	No. 14 2240 et seq.	No. 14 2250 et seq.			
Replacement magazine	x	on request	x	x	x	x			
End sleeve	No. 14 2142		No. 14 1842	No. 14 2230	No. 14 2285	No. 14 2286			
Connecting sleeve	No. 14 2146		No. 14 1846	No. 14 2231	No. 14 2290	No. 14 2291			
Cable lugs	No. 142144			x	x	x			
Pulling eyes	x	x	No. 141844	No. 14 2280					
Spring guide heads	No. 14 2130 et seq.			x	x	x			
Shackle with 10 mm bolts	x	x	x	No. 14 2292					
Cable draw grips	No. 14 2498 et seq.			No. 14 2506 et seq.					
Special adhesive	No. 14 2192			No. 14 2193					
Special pulling handle	No. 14 2190				x	x			
Cable lubricant	No. 14 2194 to No. 14 2197								
Supplementary accessories	Battery-powered drill drive for KatiBlitz compact No. 14 2350		Battery-powered drill drive for Cabelmax No. 14 2352		Length measuring device for pipe eel No. 14 2310				
	Length measuring device on request		Length measuring device on request		Length measuring device for pipe eel gathering devices, pipe cleaning and duct brushes on request				

Design	Size mm	PU	Article no.
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2in1



- comfortable cable winding

same cable winding device as with the KATI Blitz but with additional detection function via customary cable detectors. Targetted location and tracking of the pipe path or blocked points. With tried and trusted POLYKAT glass fibre profile in shock-proof housing. No moving external parts and replaceable slip ring transmitters. With integrated accessory assortment and special draw aid KATIGRIP, 1 each of 7 - 10 mm ø guide head, 5 rod end sleeves, 3 connecting sleeves, 5 cable lugs, 1 cable draw grip 6 - 9 mm ø, 1 glass fibre fix adhesive (3 g bottle).

Detection	20	1	14 2030
Detection	30	1	14 2034
Detection	50	1	14 2038



- comfortable cable winding

with integrated accessory assortment and special draw aid KATIGRIP, 1 each of 7 - 10 mm ø guide head, 5 rod end sleeves, 3 connecting sleeves, 5 cable lugs, 1 cable draw grip 6 - 9 mm ø, 1 glass fibre fix adhesive (3 g bottle).

20 m	1	14 2020
30 m	1	14 2024
50 m	1	14 2028



with integrated accessory assortment and special draw aid KATIGRIP, 1 each of 7 - 13 mm ø pulling eyes, 3 connecting sleeves, 5 cable lugs, 1 cable draw grip 6 - 9 mm ø, 1 glass fibre fix adhesive (3 g bottle).

with flexible guide head	30 m	1	14 2040
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Kati Blitz vario is the current premium product from KATIMEX for domestic installation. It possesses a changeable magazine in which the glass fibre winding rod is located. With a new crank mechanism, it is now possible for the rod to be rapidly extended and retracted without becoming knotted or forming loops. The entire accessory is always ready to hand in the magazine case. The robust and shock-proof housing is light and compact. The accessory parts and spare parts for the KatiBlitz vario and KatiBlitz compact are identical. Accessories provided: 2 x 7 mm and 10 mm spring guiding heads, 5 pull heads with brass lugs complete with M 5 thread, 1 cable draw grip with twistcompensation for 6 - 9 mm cables, 5 brass rod end sleeves with M 5 thread, 3 brass connecting sleeves, 1 bottle of glass fibre fix adhesive.

20 m	1	14 1420
30 m	1	14 1430
50 m	1	14 1450



for the energy-saving and fatigue-free insertion of a 3 mm glass fibre rods into empty conduits. The transfer of force is carried out via a two-jaw clamping system complete with form-fitting connection to the glass fibre rod. Max. sub-tensile force: 20 kg

1	14 2180
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for KatiBlitz compact and KatiBlitz vario, complete with 2 end sleeves

20 m	1	14 2120
30 m	1	14 2122
50 m	1	14 2124



for KatiBlitz detection with 2 end sleeves

Detection	20 m	1	14 2031
Detection	30 m	1	14 2035
Detection	50 m	1	14 2039



Flexible guide head

the flexible guide head is adhered directly to the glass fibre rod. Due to the fact that rigid end sleeves are no longer required, extremely tight bending radii of the empty conduits can be effortlessly overcome. Length with guide head: approx. 95 mm, male thread for the screwing on of various attachments: M 5. Includes screwed on pulling eye (CIMCO article no.: 14 2138)

Head ø

10 mm	weight 13 g	1	14 2136
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Design

Size mm

PU

Article no.

Design	Size mm	PU	Article no.
Flexible guide head pulling eye			
brass; with M 5 female thread, for flexible guide head			
Head ø			
7 mm weight 3 g	1	14 2137	
10 mm weight 7 g	1	14 2138	
13 mm weight 13 g	1	14 2139	

1
NEW

Flexible guide head pulling eye set

brass; with M 5 female thread, for flexible guide head with 1 x 7, 10, 13 mm ø guide head each

1 14 2141

Guide head

brass; with M 5 female thread, suitable for all lengths as well as for all KABELMAX devices

Head ø

7 mm	1	14 2130
10 mm	1	14 2132
13 mm	1	14 2134

3
NEW

Guide head set

with 1 x 7, 10, 13 mm ø guide head each

1 14 2140

End sleeve

brass, with M 5 male thread, suitable for all lengths

1 14 2142

Cable lug

brass, with M 5 female thread, suitable for all lengths as well as for all KABELMAX devices

1 14 2144

6
9

Connecting sleeve

brass, suitable for all lengths

1 14 2146

10
11

Cable pulling sock

without loop, with non-rotational coupling, M 5 female thread

for 6 - 9 mm ø cables 1 14 2152

12
13

KATI Blitz Service set

accessory and replacement part assortment for all KatiBlitz products, consisting of

5 end sleeves	14 2142
5 cable lugs	14 2144
3 connecting sleeves	14 2146
1 glass fibre special adhesive	14 2192
14-piece	1 14 2150

14
15

KABELMAX – The professional-grade underground cable pulling system

for the problem-free pulling of cables into empty or occupied cable ducts or pipes with ø of up to 60 mm

Cable pulling device for underground ducts complete with 4.5 mm ø glass fibre profile, 2 M 5 end sleeves,

11 mm ø pulling eye with 6 mm ø cable lug

ECONOMY design	40 m	1	14 1796
Steel tube frame with ball bearing-mounted aluminium winch	60 m	1	14 1802
Steel tube frame with ball bearing-mounted aluminium winch	80 m	1	14 1806

16
17

KABELMAX replacement bar

4.5 mm ø glass fibre profile, M 5 end sleeves attached on both sides,

11 mm ø pulling eye complete with 6 mm ø cable lug

40 m	1	14 1808
60 m	1	14 1812
80 m	1	14 1816

18
19

Design

Size mm

PU

Article no.

cimco®

	Design	Size mm	PU	Article no.
1	End sleeve brass, with M 5 male thread		1	14 1842
2	Pulling eye brass, 11 mm ø with M 5 female thread and 6 mm ø cable lug		1	14 1844
3	Connecting sleeve brass		1	14 1846
4	Service set for KABELMAX consisting of 5 end sleeves, 3 connecting sleeves, 1 guide head with lug and 1 bottle of special adhesive. Weight approx. 45 g		1	14 2163
5	Cable pulling socks manufactured from galvanised steel wire for domestic installation, complete with cable lug weaved into the loop, M 5 female thread, suitable for all KatiBlitz- and KABELMAX devices	for cable ø mm		
6	4 - 6	1	14 2500	
7	6 - 9	1	14 2498	
8	9 - 12	1	14 2501	
9	12 - 15	1	14 2502	
10	15 - 19	1	14 2503	
11	19 - 25	1	14 2504	
12	25 - 31	1	14 2505	
13	Battery-powered drill drive for KatiBlitz and KABELMAX thanks to a connection to a standard battery-powered drill present on the construction site, the drive for the KatiBlitz and KABELMAX cable winding devices enables the comfortable motor insertion of the glass fibre rods into empty conduits and underground ducts. The advantages of insertion at the push of a button can be seen when cabling longer routes. The speed can be individually adjusted. Weight only 270 g.			
14	Drive for KatiBlitz	1	14 2350	
15	Drive for KABELMAX	1	14 2352	
16	KABELJET – The variable cable pulling system galvanised, collapsible steel tube frame complete with 7.2 mm ø glass fibre bar, 2 M 12 end sleeves, 25 mm ø pulling eye, shackle with bolts, connecting and clamping sleeves, 1 special adhesive			
17	40 m	1	14 2220	
18	60 m	1	14 2221	
19	80 m	1	14 2222	
20	100 m	1	14 2223	
21	120 m	1	14 2224	
22	KABELJET replacement bar 7.2 mm ø glass fibre bar, 2 M 12 end sleeves, 25 mm ø pulling eye, shackle			
23	40 m	1	14 2225	
24	60 m	1	14 2226	
25	80 m	1	14 2227	
26	100 m	1	14 2228	
	120 m	1	14 2229	
	End sleeve brass, with M 12 male thread		1	14 2230
	Connecting sleeve brass, for 7.2 mm ø glass fibre bar		1	14 2231

Design	Size mm	PU	Article no.	cimco®
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Design	Size mm	PU	Article no.
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The pipe eel – the cable pulling system for underground cabling

galvanised steel tube frame, mobile on rollers, ball bearing-mounted winch with integrated parking brake, complete with glass fibre bar, 2 M 12 end sleeves, 25 mm ø pulling eye, shackle, connecting and clamping sleeves, 1 special adhesive

Rod thickness ø	Winch-ø	Length m		
9 mm	750 mm	40	1	14 2240
		60	1	14 2241
		80	1	14 2242
		100	1	14 2243
		120	1	14 2244
		150	1	14 2245
11 mm	1000 mm	150	1	14 2250
		200	1	14 2251
		250	1	14 2252
		300	1	14 2253

Rod lengths up to 500 m and rods with detection function on request.



Pipe eel replacement bar

2 M 12 end sleeves, 25 mm ø pulling eye, shackle

Rod thickness ø	Length m		
9 mm	40	1	14 2270
		1	14 2271
		1	14 2272
		1	14 2273
		1	14 2274
		1	14 2279
11 mm	150	1	14 2275
		1	14 2276
		1	14 2277
		1	14 2278



End sleeves

brass, M 12 male thread

for 9 mm ø bar	1	14 2285
for 11 mm ø bar	1	14 2286



Connecting sleeves

brass

for 9 mm ø rod	1	14 2290
for 11 mm ø rod	1	14 2291



Length measuring device for pipe eel

for the quick and simple determination of length on underground pipe trays. Pipe blockages, fractures and other defects can be accurately located. No more annoying re-measurements, inspections or marking and all of this with a significantly higher measuring accuracy. The device can be effortlessly retrofitted onto all standard winding devices.

120 mm x 115 mm x 110 mm	1	14 2310
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Accessories for Cablejet and pipe eel

Pulling eye

Aluminium, 25 mm ø, length 60 mm, M 12 female thread

	1	14 2280
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Guide head

Aluminium, 40 mm ø, length 80 mm, M 12 female thread

	1	14 2281
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Shackle

shape according to DIN 82101, bolt diameter 10 mm, galvanised, maximum capacity 4 kN

	1	14 2292
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Connecting pin

for the coupling together of multiple glass fibre bars, galvanised steel, 2 M 12 connecting threads

	1	14 2293
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Design	Size mm	PU	Article no.
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Design	Size mm	PU	Article no.
Service sets for KABELJET and pipe eel			
each consisting of 2 end sleeves, 1 connecting sleeve and 20 g bottle of special adhesive. Weight approx. 150 g			
for Cablejet with a	7.2 mm bar diameter	1	14 2160
for pipe eel with a	9 mm bar diameter	1	14 2161
for pipe eel with a	11 mm bar diameter	1	14 2162
Further accessories such as the twist compensation pin as well as pipe cleaning and duct brushes or gathering devices can be delivered upon request.			



Cable pulling socks manufactured from galvanised steel wire

for underground cabling, with 1 crimped wire loop

for cable Ø mm

10 - 20	1	14 2506
20 - 30	1	14 2507
30 - 40	1	14 2508
40 - 50	1	14 2509
50 - 65	1	14 2510
65 - 80	1	14 2511



for underground cabling, with 2 crimped rope loops

for cable Ø mm

10 - 20	1	14 2520
20 - 30	1	14 2521
30 - 40	1	14 2522
40 - 50	1	14 2523
50 - 65	1	14 2524



Cable pulling socks special designs

special cable pulling socks for particular applications such as those listed below can be delivered at short notice:

- Larger dimensions
 - Cable pulling socks with lateral loop
 - Separated cable pulling socks
 - Multiple draw grips, e.g. for the simultaneous pulling of triple conductor power cables into a shared protective pipe
 - Kevlar-reinforced plastic pulling socks (non-conducting, anti-magnetic)
 - Multi-level, highly-flexible cable pulling socks for optical fibre lines
 - Pulling socks for overhead line construction
 - Cable pulling socks manufactured from stainless steel strands
- Please request the desired cable pulling socks.



Rope and cable connection socks

for the quick creation of a stable connection between two cables or ropes. They are used where existing cables or rope are to be replaced by new ones, e.g. the exchange of aged underground cables, introduction of new ropes in cranes. Hand-woven from galvanised steel wire strands, average effective braided length 1200 mm.

Cable Ø mm	Practical breaking load	Max. laying tensile force	1	Article no.
8 - 16	15 kN	7.5 kN	1	14 2301
10 - 20	19 kN	9.4 kN	1	14 2302
20 - 30	55 kN	27.4 kN	1	14 2303
30 - 40	55 kN	27.4 kN	1	14 2304



Cable and rope guidance products

a comprehensive assortment of laying tools for cable or rope guidance in ditches and shafts (e.g. deflection and corner pulleys, cable protection and shaft guidance curves, cable introduction bushes) can be delivered at short notice. Please enquire.



Shaft cover lifter

manufactured from galvanised steel, weight 0.6 kg

320 mm x 155 mm 1 14 2300

Special KATIGRIP handle

for the quick and simple pulling of all pulling wires measuring between 3 and 11 mm in Ø (flat steel, helical wire, plastic and glass fibre wires)

1 14 2190



Design	Size mm	PU	Article no.
cimco®			

Design	Size mm	PU	Article no.
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Glass fibre fix adhesive

for KatiBlitz and KABELMAX

3 g

1 14 2192



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Glass fibre special adhesive

for KABELJET and pipe eel, viscous

20 g

1 14 2193

GLIT® cable lubricant

improved formula with significantly improved lubricating properties. Glit® eliminates up to 90% of the friction that is generated during the introduction of power cables, telephone cables, coaxial cables and glass fibre cables. For the insertion of all types of pulling rods. Simply apply onto the Kati®Blitz and KABELMAX® guide head and insert. Pumpable, silicone-free, skin-compatible, non-flammable.

tube 200 ml	0.2 kg	1	14 2194
bucket 1 litre	1.1 kg	1	14 2195
bucket 5 litre	5.2 kg	1	14 2196
bucket 10 litre	10.4 kg	1	14 2197



Silicone spray

an ideal lubricant, protective agent, maintenance agent and separating agent, makes the winding of cables easier, protects electric contacts against moisture, protects rubber, plastic and metal parts.

400 ml

12 15 1004

Design

Size mm

PU

Article no.

cimco®

SHEARS/CUTTERS

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Handle lock

Handles are kept in closed condition.



Safety bolt

Jumps to end position automatically (spring powered) when the positive release is pressed. Release by pulling out manually.

Positive release

If the positive release is pressed, the safety bolt automatically jumps to the end position. In order to unlock the cutting edge, the moveable, opened handle must be held against the stop.

cimco®

Design	Size mm	PU	Article no.
Cable shear			

for copper and aluminium cables,

excellent cutting performance, made of case hardened 5 mm flat tool steel, precision-ground cutting edges, finest gunmetal finish, 2-component handle sleeves with special blade for fine wire cables up to 18 mm in diameter
for cable ø solid mm² flexible mm²

18 mm	16	50	180	1	12 0116
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NEW

One-hand cable shear

for copper and aluminium cables,

excellent cutting performance, smooth, non-deforming cut, die-forged, precision ground, adjustable screwed joint, 2-component plastic handle sleeves

for cable ø solid mm² flexible mm²

16 mm	16	50	160	6	12 0104
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1000 V One-hand cable shear

for copper and aluminium cables,

excellent cutting performance, smooth, non-deforming cut, with double-dip coated insulation

for cable ø solid mm² flexible mm²

16 mm	16	50	160	6	12 0206
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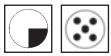
One-hand cable shear

for copper and aluminium cables,

excellent cutting performance, smooth, non-deforming cut, die-forged, precision ground, adjustable screwed joint, 2-component plastic handle sleeves

for cable ø solid mm² flexible mm²

25 mm	25	70	200	6	12 0100
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1000 V One-hand cable shear

for copper and aluminium cables,

excellent cutting performance, smooth, non-deforming cut, with double-dip coated special insulation

for cable ø solid mm² flexible mm²

25 mm	25	70	200	6	12 0202
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Cable shear

universal cable shear for copper, aluminium and coaxial cables.

For solid cables up to 10 mm in diameter or 50 mm² and multi-core cables up to 12 mm in diameter or 70 mm².

This tool is suitable for cable stripping, removing insulation (special zone on the cutting head) and precise cutting of cables. With ergonomically shaped 2-component handle sleeves.
Weight 300 g.

200	1	12 0138
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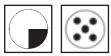
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Cable shear

universal cable shear for copper and aluminium cables.

For multi-core, solid cables up to 16 mm². Insulation stripping function can be set with a screw for adjusting to the desired wire or flex diameter from 0.5 to 2.0 mm (special zone on the cutting head). This tool is suitable for stripping 4 - 16 mm (in the cutting area) and for precision cutting of cables. With single-dip coating.

160	1	12 0242
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Cable shears

universal cable shears for copper, aluminium and coaxial cables.

This tool is suitable for precision cutting of cables, handles with single-dip coating.

12 mm ø or 70 mm ²	230	1	12 0330
20 mm ø or 95 mm ²	240	1	12 0340



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Cable shear

universal cable shear for copper, aluminium and coaxial cables.

This tool is suitable for stripping, removing insulation (special zone on the cutting head) and precision cutting of cables. Handles with single-dip coating.

10 mm ø or 50 mm ²	160	1	12 0332
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Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
Cable shears universal cable shears for copper, aluminium and coaxial cables. This tool is suitable for precision cutting of cables. Additional blade for cutting steel wires, handles with single-dip coating.			
12 mm ø	180	1	12 0334
16 mm ø	220	1	12 0336
Cable shear universal cable shear for copper, aluminium and coaxial cables. This tool is suitable for precision cutting of cables, one-handed operation even for larger cable diameters thanks to a slot in the riveted area of the shank, handles with single-dip coating.			
20 mm ø or 95 mm ²	250	1	12 0338
Cable shear with lever transmission and exchangeable blades, PVC-covered steel tube shanks for cable ø cross-sections mm ²			
26 mm 120	600	1	12 0150
Cable shears with exchangeable blades for cable ø cross-section mm ²			
26 mm 120		1	12 0147
42 mm 300		1	12 0151
65 mm 400		1	12 0157
Cable cutter <ul style="list-style-type: none"> With ratchet action One-handed operation due to optimum leverage and step-by-step cutting Release option in all cutting positions All parts in high-strength special steel Cutting edges and parts under stress tempered or hardened, surface with gunmetal finish Ergonomically shaped soft handles For copper and aluminium cables, single and multiple conductors for cable ø solid mm ² multiple wires mm ²			
32 mm 1 x 150 4 x 35	250	1	12 0180
52 mm 1 x 300 4 x 90	310	1	12 0184
54 mm 1 x 400 4 x 120	310	1	12 0185
1000 V Cable cutter <ul style="list-style-type: none"> With ratchet action. One-handed operation due to optimum leverage and step-by-step cutting Release option in all cutting positions All parts in high-strength special steel Cutting edges and parts under stress tempered or hardened, surface with gunmetal finish With double-dip coating special insulation For copper and aluminium cables, single and multiple conductors for cable ø solid mm ² multiple wire mm ²			
32 mm 1 x 150 4 x 35	250	1	12 0182
Cable cutters <ul style="list-style-type: none"> With ratchet action. Two-handed operation thanks to optimum leverage and step-by-step cutting Release option in all cutting positions All parts in high-strength special steel Cutting edges and stressed parts tempered or hardened, surface with gunmetal finish Ergonomically shaped soft handles For copper and aluminium cables, single or multiple conductor for cable ø			
60 mm	720	1	12 0170
100 mm	820	1	12 0172

Design	Size mm	PU	Article no.	cimco®
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Design	Size mm	PU	Article no.
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One-hand ratchet cable cutter

for crush-free cutting of cables with a maximum external diameter of 45 mm. Suitable for copper and aluminium cables, not suitable for steel cables, steel reinforced cables and hard-drawn copper conductors. Clean cutting thanks to sharp, specially hardened blades, non-tiring, one-handed use possible despite compact shape, thanks to ratchet mechanism with needle bearing eccentric transmission and ergonomic handles with narrow opening width. However, the handles are long enough to allow the second hand to be used in support for peak stress. Weight only 980 g. Mobile, fully swivelling blade that can be released in any position, easy to exchange (replacement swivelling blade CIMCO article no. 12 9168), handles can be locked with a turning knob (lock symbol), small opening of the cutting blades with lockable safety catch.

Max. cutting performance

Cu (copper)	Max. ø	45 mm
	Multi-wire	300 mm ² / 600 MCM
	Sector-shaped conductor	3 x 70 SM
Al (aluminium)	Max. ø	45 mm
	Multi-wire	400 mm ² / 800 MCM
	Sector-shaped conductor	4 x 70 SE

1 12 0168

Replacement swivel blade 1 12 9168



Ratchet cable cutter for steel cables

- With ratchet action
- Two-handed operation thanks to optimum leverage and step-by-step cutting
- Suitable for cutting:
 - Flexible steel cables up to 18 mm diameter
 - Stainless and high density steel cables up to 14 mm diameter

for cable ø

18 mm 430 mm 1 12 0140



Hand-hydraulic cutting tools

Hydraulic hand cable cutter up to 45 mm diameter

suitable for cutting aluminium and copper cables, and also aluminium-steel cables up to 45 mm diameter.

Features:

Lightweight, compact design, cutting head with snap closure and blade guide, can be rotated 270°
Quick advance thanks to double piston hydraulics, integral pressure limit

Delivery:

Basic unit in plastic case

Cutting area Cutting force Operating pressure
max. 45 mm ø 60 kN 700 bar (70MPa) 1 10 5506



Hydraulic hand cable cutter up to 50 mm diameter

suitable for cutting aluminium and copper cables up to a diameter of 50 mm.

Features:

Lightweight, compact design, cutting head with snap closure and blade guide, can be rotated 270°
Quick advance thanks to double piston hydraulics, integral pressure limit

Delivery:

Basic unit in plastic case

Cutting area Cutting force Operating pressure
max. 50 mm ø 60 kN 700 bar (70MPa) 1 10 5508



Hydraulic hand cable cutter up to 85 mm diameter

suitable for cutting aluminium and copper cables up to a diameter of 85 mm.

Features:

Lightweight, compact design, cutting head with snap closure and blade guide, can be rotated 270°
Quick advance thanks to double piston hydraulics, integral pressure limit

Delivery:

Basic unit in plastic case

Cutting area Cutting force Operating pressure
max. 85 mm ø 70 kN 700 bar (70MPa) 1 10 5510



Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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1 Battery-powered cutting tools

General product features of CIMCO battery-operated hydraulic tools:

- Quick advance thanks to double piston hydraulics (advantage: reduced cutting time due to rapid bridging of no-load stroke)
- Automatic pressure limit
- Quick stop (advantage: no running-on of the hydraulics - which means no accidental damage)
- Motor switch-off and automatic return after completed cutting (advantage: clear indication of end of cutting process)
- Electronic control and monitoring of the cutting process (advantage: errors minimised by monitoring)
- Manual return
- Multi-function electronics with sleep mode for maintenance display and battery monitoring (advantage: longer working life for all components)
- Mini-USB interface allows connection to all current PC systems for service and monitoring
- The latest in battery technology! Lithium-ion technology without self-discharge and with reduced weight!
- Service and monitoring software for all current PC systems (Windows 2000, XP, Vista, Windows 7)!

7 Hydraulic battery-powered cutter up to 45 mm diameter

suitable for cutting aluminium and copper cables, plus aluminium-steel cables up to a diameter of 45 mm.

Features: fold-out cutting head, can be rotated 270°

Delivery: Basic unit in case, charger, 2 rechargeable batteries, analysis software, mini-USB cable

Weight including case 14,500 g, weight without case 6,100 g

Cutting area Cutting force Operating pressure

max. 45 mm ø 60 kN 700 bar (70MPa)

1 10 5706



11 Hydraulic battery-powered cutter up to 50 mm diameter

suitable for cutting aluminium and copper cables up to a diameter of 50 mm.

Features: fold-out cutting head, can be rotated 270°

Delivery: Basic unit in case, charger, 2 rechargeable batteries, analysis software, mini-USB cable

Weight including case 14,050 g, weight without case 5,250 g

Cutting area Cutting force Operating pressure

max. 50 mm ø 60 kN 700 bar (70MPa)

1 10 5708



15 Hydraulic battery-powered cutter up to 85 mm diameter

suitable for cutting aluminium and copper cables up to a diameter of 85 mm.

Features: fold-out cutting head, can be rotated 270°

Delivery: Basic unit in case, charger, 2 rechargeable batteries, analysis software, mini-USB cable

Weight including case 15,750 g, weight without case 7,650 g

Cutting area Cutting force Operating pressure

max. 85 mm ø 70 kN 700 bar (70MPa)

1 10 5710



19 Cable shear

3 mm stainless steel blades, impact-resistant plastic handles, hardness HRC scale 50 to 54, self-locking nut and washer

In VA steel, safety lock, self-opening (spring operated), suitable for left and right-handed use.

For cutting cables and conductors up to 10 mm in diameter, insulation, wood, rope and other materials.

165 1 12 0110



21 Universal shears

shears in stainless steel, impact-proof handles, hardness scale HRC 56 to 58, one cutting edge finely serrated, self-locking nut and washer in VA steel, safety lock, self-opening (spring operated), suitable for left and right-handed use, cutting length 42 mm. For cutting wire, cables, sheet metal, paper, cardboard, plastic, wood, leather and other materials.

145 1 12 0120

190 1 12 0122



Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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Electrician scissor

Blades in stainless VA steel-vanadium-molybdenum alloy, one cutting edge finely serrated, glass fibre reinforced impact-proof 2-component plastic handles, total length 140 mm, cutting length 47 mm. For cutting and stripping insulation off conductors and cables up to 22 mm in diameter, for cutting insulating tape, cable ties and other materials.



140 1 12 0130

Telephone scissors

with wire cutter, bright nickel plated

with smooth cutting edge	130	1	12 0220
with serrated cutting edge	130	1	12 0222



Crown scissor

bright nickel plated, with serrated cutting edge, for the thinnest wires

115 12 12 0230



Universal scissor (paper, wallpaper and household scissor)

stainless steel blades, modern 2-component technology, ergonomically shaped handles with soft rubber inset

220 1 12 0128



Cable scissors for fibre optic cables

especially for kevlar and aramid fibres

with ceramic cutting edges	145	1	12 0250
Blades in high-alloy, stainless steel, hardness scale HRC 60 to 62, cutting edge hardness scale HK 1200, one cutting edge micro-serrated, adjustable screw hinge, ergonomic plastic handles, suitable for left and right-hand use, cutting length 42 mm.			

160 1 12 0252



Multi-purpose shear for plastics

Practical set, consisting of quality shear and 5 exchangeable cutting insets, in impact-proof, easy to handle plastic box, essential for almost all craft work in electrical and sanitary installation.

Contains: Multi-purpose shear for quick, non-crushing cutting work on plastic, rubber and wooden parts and on ribbon cables (except for hard metals), solid precision cutting blade (cutting length 57 mm) in case-hardened tool steel (> 52 HRC), resharpenable, special cutting geometry for very light cut, eccentrically placed pivot point for oblique shearing to do away with tedious deburring, with opening spring and locking device, ergonomically shaped plastic handles with slip guard. 5 different cutting insets in lightweight metal, can be changed in seconds:

flat-straight inset (pre-mounted in the shear) for general cutting work with flat materials such as plastic profiles, ribbon cables, cable ducts, flooring strips etc., mitre inset with stop angle and markings for angle cuts at 45° - 60° - 75° - 90° - 105° - 120°, profile inset at 90° for cutting box profiles up to 25 x 45 mm, e.g. small cable and wiring ducts, and also for hard or thick-walled plastic pipes and hoses up to 25 mm diameter, round profile inset 16 / 19 mm each with one circular guide 16 mm (5/8")- and one 19 mm (3/4") diameter respectively, plus round profile inset 25 mm with a circular guide 25 mm (1") diameter, ideal for burr-free cutting of flexible and hard plastic pipes and hoses.

1 12 0210



Replacement parts:

Flat-straight	1	12 0211
Mitre inset	1	12 0212
Round profile 16/19 mm diameter	1	12 0213
Round profile 25 mm diameter	1	12 0214
Profile inset 90°	1	12 0215
Replacement blade	1	12 0216



Multi-purpose shear for plastic pipes and hoses

Shear as no. 12 0210, with pre-mounted cutting inset no. 12 0213, for cutting round profiles with a diameter of 16 mm (5/8") and 19 mm (3/4"), in particular hard and flexible plastic pipes (corrugated pipes).

1 12 0290



Plastic shear with adjustable stop

Shear as in the range (article no. 12 0210), but with adjustable stop angle for convenient mitre cuts, locking positions at 45°, 60°, 75°, 90°, 105°, 120° and 135°, 2-component handles.

1 12 0208

Design

Size mm

PU

Article no.

cimco®

WIRE STRIPPING TOOLS

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Fully automatic wire stripper

Ergonomic, fully automatic wire stripper for solid and flexible conductors and stranded wires of 0.2 – 6.0 mm² (AWG 24 – 10)

Sensor system

Special sensor system prevents damage to the conductor

Diagonal side cutter

Well-positioned, external side cutter for conductors up to 2.5 mm²

Length stop

Adjustable length stop from 6.0 – 15.0 mm for consistent volume stripping

Suitable for insulated PVC cables and other materials

TÜV / GS tested

Wire stripper

For quick and precise stripping, even in difficult to reach places

Tool body

Tool body made of glass fibre reinforced polyamide with a slotted hole in the handle for attachment



Design	Size mm	PU	Article no.
Universal cable sheath stripper			
for removing all insulation layers from cables from 25 mm Ø, e.g., lead sheath, rubber, PE and PVC, adjustable cutting depth of 0.5 - 5 mm, suitable for longitudinal and round cuts, in plastic case, interchangeable knife	1	12 0002	
Replacement blade	1	12 0003	



Cable sheath stripper KABIFIX

for longitudinal and round cuts. Suitable for slitting and stripping cables from 6 to 28 Ø, also for cutting PVC tubes, interchangeable knife

1	12 0030	
Replacement blade	1	12 0032



Cable sheath stripper KAIMAN

specially designed for moisture-proof cable to 7 x 1.5 mm² or 5 x 2.5 mm², extremely well suited for work in switch and junction boxes. Robust, hard chrome-plated design with anti-slip protection and interchangeable blade; adjusting screw enables continuously adjustable cutting depth.

Stripping of longer sheath sections can be carried out by leading the conductor through the hole in the handle area.
With rotational direction marking for cable round cut.

Working range/sheath stripping 6 – 13 mm Ø	1	10 0765
Replacement blade	1	10 0766



Cable sheath stripper ROTAX 29

Professional cable sheath stripper for round cut, longitudinal cut and spiral cut in cable of 4.5 to 29 mm diameter. Due to the unique spiral cut, even difficult to process insulation types (e.g., rubber, butyl) can be easily removed. Adjustable cutting depth, especially stable plastic housing and extra sharp, interchangeable knife.

4.5 – 29 mm Ø	140	1	12 0036
Replacement blade		1	12 0038



Cable sheath stripper MULTISTRIPPER

Newly developed tool for processing all round cables of 8 to 13 mm Ø.

Sheath stripping: round and longitudinal cut, as well as flush stripping in difficult to reach places such as ceiling and wall areas, in distributors and junction boxes.

Insulation stripping: flexible and solid conductors 0.5 – 0.75 – 1.5 – 2.5 – 4 – 6 mm²

Cutting: solid conductors to 4 mm², flexible conductors to 6 mm²

1	12 0021
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Super sheath stripper

Both the tips of the interior cable stripping knives and the cutting edges of the attached clamping blades are coated with titanium nitrite. At approx 500 °C, the cutting blade is vapour coated with titanium nitrite in a vacuum chamber according to the PVD process. Excellent gliding qualities and high resistance to wear and abrasion are achieved through the reduced surface area structure and the extremely high hardness. TiN-coated knives can be used with significantly higher durability and cutting performance. With round and longitudinal cutter, insulation stripping mechanism and foldaway additional knife. Sheath stripping: cable of 8 - 13 mm Ø, e.g.: 7 x 1.5 mm² or 5 x 2.5 mm²

TiN

1	12 0025
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Universal cable sheath stripper

for all common cables of 8 - 13 mm Ø.

Especially suitable for work in difficult to reach places

1	12 0028
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TiN



Sheath stripper for flat cables

for all common flat and oval cables to a width of 12 mm, insulation stripping for conductors and flexible stranded wires 0.75 mm² - 1.5 mm² - 2.5 mm²

1	12 0029
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Design

Size mm

PU

Article no.

cimco®

1 Design

2 Size mm

3 PU

4 Article no.

Wire stripper PC-STRIP

Special sheath and insulation stripping tool for data and control lines, communication lines, system cables, etc.
Sheath stripping: cable of 5.5 - 15 mm ø
Insulation stripping: conductors of 0.2 - 4.0 mm² or AWG 26 - 11

TiN

1 12 0034



Wire stripper PC-CAT

Special sheath and insulation stripping tool for PVC-insulated data communication and control lines (e.g., CAT 5, CAT 6 or CAT 7 cable, twisted pair cable), sheath stripping for cables of 4.5 to 10 mm ø and 0.2, 0.3 and 0.8 mm²

1 12 0017

for PVC-insulated data cables (e.g., CAT 5, CAT 6 or CAT 7 cable, twisted pair cable) with a ø of 4.5 to 10 mm. It is not necessary to adjust the cutting depth to the respective diameter since the special blade position perfectly strips the outer insulation and the metal foil shield can then also be scored and removed. The insulation stripping blades are equipped with a premium titanium nitride coating for precise cuts. TÜV/GS-tested.

1 12 0015



Sheath strippers for power and safety cables

for all common short-circuit-proof and short-to-ground-proof, flame-resistant, halogen-free lines (NSGAFÖU, VER H07RN-F, ignition cable), no cutting depth adjustment required, with integrated length stop

For conductor width Length stop

1.5 mm ²	8 mm	1	12 0022
2.5 mm ² up to 6 mm ²	10 mm	1	12 0023
10 mm ² up to 16 mm ²	12 mm	1	12 0024



Sheath and insulation stripping tool for rubberised AS-interface cable

for quickly and precisely removing sheaths and insulation from two-conductor actuator sensor interface (AS-i) cable with rubber profiled exterior insulation to a width of 12 mm. The cutting blades are designed for the special cable shape. No adjustment of the cutting depth required, individual blades on the side for stripping the insulation from both internal conductors (1.5mm²).

125 1 12 0019



Sheath strippers for AS-i cable with TPE or PUR insulation

for quickly and precisely removing sheaths from two-conductor actuator sensor interface (AS-i) cables with profiled exterior insulation of TPE (thermoplastic elastomer) or PUR (polyurethane) to a width of 12 mm. Special blade contour that adjusts to the cable profile, no cutting depth adjustment required, not possible to damage inner conductors. Glass fibre reinforced tool body, interchangeable knife, specially ground and hardened, weight only 120 g

160 1 10 0748

Replacement blade 1 pair 10 0749



Cable sheath stripper COAXI

for all common cables of 4.8 - 7.5 mm ø,
especially suited for coaxial cable (antenna cable)

TiN

1 12 0027



with length scaling

round 2-component design 1 12 1027

Cable sheath stripper CUT AND STRIP

incremental trimming and stripping of sheaths and insulation of all common coaxial cables as well as of many flexible cables, integrated cable cutter up to 6 mm², for all common cables 4.8-7.5 mm ø

1 12 0026



Coaxial cable insulation stripping tool ECONOMY

for coaxial cable, esp. RG 58, RG 59, RG 62, RG 6; adjustable knife cutting depth, 3 interchangeable knives
Select from cutting distances of 8 mm, 6 mm and 4 mm

110 1 12 0098



Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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Wire stripper QUADRO

The stripper with 4 functions

for rationally and precisely processing strips of insulated cable end sleeves of 0.5 - 2.5 mm²

Functions:

1. Cutting

for wires and stranded wires to 2.5 mm²

2. Insulation stripping

working range 0.5 - 2.5 mm²

3. Twisting

wires do not fan out and the conductor can thus be lead securely into the cable end sleeve.

4. Crimping

faultless crimping of 0.5 - 2.5 mm² due to proper trapezoidal crimping shape.

QUADRO complete case

1 10 0728



Stripper QUADRO with magazine

180

1 10 0725



For sleeve strips, see page 248 in chapter 22.

Multi-function tool DUOCRIMP

for cutting and stripping insulation from conductors and stranded wires, as well as for crimping non-insulated and insulated cable end sleeves.

Working range of side cutter flexible to 6 mm²
solid conductor to 4 mm²

Working range of wire stripper to 6 mm²
Crimping range 0.5-2.5 mm²
4 - 6 mm²

160

1

10 0720



Sheath and insulation stripping tool DUOSTripper

sheath and insulation stripping with one tool.

Sheath stripping: for all common round cables of 4 - 28 mm ø.

Insulation stripping: automatic adjustment to conductor widths of 0.5 - 6 mm².

1 12 0048



Wire stripper OUTLET SPECIAL 55

suitable for round cables (e.g., NYM 3 x 1.5 mm², 3 x 2.5 mm², 5 x 1.5 mm²) or shielded lines. Especially useful in cramped working spaces. In 3 steps a 55 mm wide cable opening is created at any point in the cable, cutting depth 1.2 mm. Compatible with OBO cable laying system.



Longitudinal cut



Round cut left and right
of the longitudinal cut via
1/4 rotation of the stripper

175

1

10 0752



POWER STRIP

wire stripper that automatically adjusts itself to the conductor width, suitable for several common cables.

Also suitable for problematic insulation, such as silicon insulation or outer sheaths made of PVC or flexible rubber cable (e.g. 3 x 0.75 mm²). Optical length measurement 8 mm to 24 mm or 5/16" to 1" for continuously consistent stripping lengths for volume work with cable end sleeves and cable shoes. Optimal force transmission and a window to push the cable through provide up to 20 cm of insulation stripping depending on the cable type. The special sensor system adjusts itself automatically to the respective cable width and protects the interior conductor from damage. A fine 5-fold pressure setting to various cable types and diameters is possible. With an integrated, easily accessible side cutter for flexible and solid copper conductors of up to 3 mm ø. Ergonomic pistol grip for fatigue-free work, weight only 200 g. Designed for round cable of 0.5 to 16 mm² (AWG 20 to AWG 6)

170

1

10 0770

Replacement blade

1 pair 10 0773

Designed for 2 and 3-conductor flat cable of 0.75 to 2.5 mm² and maximum width of 12 mm

170

1

10 0771

Replacement blade

1 pair 10 0772



Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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1 Automatic wire stripper

automatic wire stripper for all common solar cables of 1.5 mm² to 6 mm² that are used in the photovoltaic sector. Due to the precise, fine, 5-fold adjustment, stripping even the multi-layered insulation of solar cables is no problem. Optical length measurement of 8 to 24 mm, 5/16" to 1" for continuously consistent stripping lengths. With an integrated, easily accessible side cutter for cable of up to 3 mm ø. Ergonomic pistol grip for fatigue-free work. Weight 240 g.

1 10 0774



2 Automatic wire stripper MAXIM 6

for finely wired and solid conductors with PVC insulation. For round, oval and flat cables of 0.2 - 6 mm². Stripping length with stop can be set from 4 to 18 mm for volume work. No damage to the conductors due to special self-adjusting, interchangeable segmented cutter. Automatic opening of the gripping device after stripping. Integrated high-performance wire cutter. Especially ergonomic, energy-saving design. Weight 198 g.

1 10 0736

Replacement blade

1 pair 10 0737



3 Wire stripper EASYSTRIP

automatic stripping tool for Al and Cu wires of 0.5 - 6 mm² (AWG 20 to AWG 10), integrated side cutter for Cu wires to 2.8 mm ø, especially light and ergonomic. Weight 160 g.

180 1 10 0755



4 Automatic wire stripper

for flexible stranded wires and solid conductors of 0.08 - 6 mm². Automatic adjustment. Adjustable stripping length from 4 - 18 mm. With wire cutter.

1 10 0730

Replacement blade

1 pair 10 0731



5 Automatic wire stripper MINIM

for solid and flexible conductors and stranded wires with PVC insulation, working range 0.08 - 2.5 mm², automatic adjustment to the conductor width, interchangeable knife, adjustable length stop for stripping lengths of 3 to 15 mm, integrated wire cutter (solid to 1.5 mm², flexible to 2.5 mm²), especially ergonomic "pistol" design, weight 260 g

1 10 0738

Replacement blade

1 pair 10 0739



6 Automatic wire stripper

for flexible stranded wires and solid conductors of 0.08 to 1 mm². Automatic adjustment. Adjustable stripping length from 2.5 - 7 mm. With wire cutter.

135 1 10 0732

Replacement blade

1 pair 10 0733



7 Wire stripper HIGHSTRIP

for quick and absolutely precise stripping of even problematic insulation, PVC, rubber, TPE, silicon, THHN, THWN, PMMA, light wave conductor with PE sheath, e.g., 0.5 - 0.75 - 1.5 - 2.5 - 4 mm². Damage to the conductor or stranded wires is eliminated, weight 100 g.

160 1 10 0740



8 Automatic wire stripper

Wire stripper that automatically adjusts itself to the conductor width, for solid and flexible conductors and stranded wires of 0.2 mm² to 6 mm² (AWG 24 to AWG 10), suitable for standard insulation (e.g., of PVC), integrated wire cutter for copper and aluminium wires to 2.5 mm², with adjustable length stop of 6 to 18 mm for volume work, especially ergonomic due to handy pistol shape, handle with soft plastic insert and light weight. Interchangeable knife. Weight 150 g.

1 10 0775



Design	Size mm	PU	Article no.
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Wire stripper SUPER 4 PLUS

for flexible stranded wires and solid conductors, suitable for almost all insulation types. In an ergonomic pistol shape with adjustable length stop of 6.0 to 15.0 mm. Automatic adjustment to widths of 0.2 mm to 6.0 mm² by means of special sensor system. Stable, easily accessible side cutter for wires to 2.5 mm².

160 1 10 0780



Automatic wire stripper SAFETY STRIP

for flexible stranded wires and solid conductors of 0.2 to 6 mm², insulation-protected to 1000 volt, tested in accordance to DIN EN 60 900, automatic adjustment to the conductor width, integrated length stop and closer for transport and storage.

△ 1000 V

1 10 0762



Wire stripper MAXISTRIP

for quick and problem-free cutting of flexible stranded wire and solid conductors of 6 - 16 mm². Automatic adjustment to conductor width, damage to conductor is eliminated. With optical length stop 15 - 18 - 20 mm. Weight 120 g.

180 1 10 0744



Automatic wire stripper SENSOR SPEZIAL

wire stripper developed especially for halogen-free PUR and PVC lines, removes the outer sheath without damaging the inner conductor or the braid. Due to the absence of a length stop, cables can be stripped to any desired length. Automatic adjustment and special blade geometry ensure secure insulation stripping for the following cable types: Halogen-free sensor/actuator lines with PUR or PVC outer sheath, 3 to 8-conductor cable construction, shielded or unshielded (e.g., 3 x 0.34 mm² unshielded to 8 x 0.25 mm² shielded), round cable ø: 4.40 to 7.00 mm.

165 1 10 0746



NEW

Insertion tool for LSA-Plus terminals

solder, screw and stripping-free connection and automatic trimming of conductors with 0.5 to 0.8 mm ø (AWG 24 to 20) to insulation displacement termination in connection boxes and patch panels, professional design with pressure sensor for optimum pressing force, 2 pull-out hooks

ECONOMY model 1 11 8017

KRONE model, pressure sensor and trimming function can be switched off 1 11 8018



Universal wire stripper DATA STRIP for data cables

for trimming and stripping sheaths and insulation from round and flat cables, shielded and unshielded cables, adjustable cutting depth, 3 interchangeable knives, for cables from 2 to 10 mm ø

110 1 12 0092



Varnish stripper

for wires of ø mm

0.5 (AWG 24) 125 6 10 0710

0.6 (AWG 22) 125 6 10 0712



Wire stripper LWL

precision wire stripper with 3 stripping stations for primary coating, secondary coating and outer sheath for light wave conductor cables, pre-set cutting depth, is however continuously adjustable, locking mechanism, ergonomic 2-component handle

1 12 1104



Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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Precision wire stripper PWS-PLUS

ideal for applications in electronics, computer technology, telecommunications, data communications, model building, etc.

Adjustable stripping range from 0.25 to 1.00 mm Ø, adjustable length stop to 15 mm and cutting mechanism for wires to 0.8 mm Ø.

Especially suitable for stripping conductors with outer insulation of PVC, Teflon, KYNAR, TEFZEL and MYLAR.

Working range

red push button	0.25 – 0.80 mm Ø	30 – 20 AWG	1	12 0033
blue push button	0.30 – 1.00 mm Ø	28 – 18 AWG	1	12 0031



Precision wire stripper MICRO-STRIPPER

precision insulation stripping tool for 6 different wire widths each. With adjustable length stop.

Suitable for wires with insulation of: MYLAR® KYNAR® TEFZEL® TEFILON® PVC and others

AWG	36	34	32	30	28	26	1	10 0694
mm Ø	0.12	0.16	0.20	0.25	0.30	0.40		
AWG	30	28	26	24	22	20	1	10 0695
mm Ø	0.25	0.30	0.40	0.50	0.60	0.80		
AWG	28	26	24	22	20	18	1	10 0696
mm Ø	0.30	0.40	0.50	0.60	0.80	1.00		



Micro-Stripper LWL

high-precision insulation stripping tool for LWL primary coating, for 0.18 mm (180 µm) Ø

1 10 0698



Automatic cable stripping knife

cable stripping knife, time-tested through millions of uses, for round and longitudinal cuts, individually screw-adjustable cutting depth that eliminates damage to the inner conductor. Handle shell of wear-resistant polyamide. Both the tips of the interior cable stripping knives and the cutting edges of the attached clamping blades are coated with titanium nitrite. At approx 500 °C, the cutting blade is vapour coated with titanium nitrite in a vacuum chamber according to the PVD process. Excellent gliding qualities and high resistance to wear and abrasion are achieved through the reduced surface area structure and the extremely high hardness. TiN-coated knives can be used with significantly higher durability and cutting performance.



Cable stripping knife

two-component tool with non-slip, soft grip insert and thumb mould for optimal handiness.

with hooked blade

8 - 28 mm Ø 1 12 0010

with straight blade

8 - 28 mm Ø 1 12 0011

TiN



Cable stripping knife without blade

for slitting open and stripping sheaths from moisture-proof cables, two-component tool with non-slip, soft grip insert and thumb mould for optimal handiness.

4 - 16 mm Ø 1 12 0012

8 - 28 mm Ø 1 12 0014

28 - 35 mm Ø 1 12 0016

35 - 50 mm Ø 1 12 0018

TiN



Cable stripping knife

Standard design with enlarged adjusting screw

with hooked blade

8 - 28 mm Ø 1 12 1010

with straight blade

8 - 28 mm Ø 1 12 1011

TiN



Cable stripping knife without blade

fully insulated, all individual parts except the interior knife made of plastic, for stripping sheaths from all conventional cables, with enlarged adjusting screw

8 - 28 mm Ø 1 12 0008

TiN



Replacement blades

for all automatic cable stripping knives

1 12 0020

TiN

Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
Automatic cable stripping knife SAFETY STRIPPER			
cable stripping knife with self-rotating blade for round and longitudinal cuts, for cable from 4 to 28 mm (5/32" to 1 1/8") Ø. An adjustment screw enables the cutting depth to be individually adjusted. Handle shells of wear-free, glass fibre reinforced polyamide. Hooked blade foldaway and lockable.	4 - 28 mm Ø	1	12 0006
Automatic cable stripping knife SAFETY STRIPPER PLUS			
cable stripping knife with self-rotating blade for round and longitudinal cuts, for cable from 4 to 28 mm (5/32" to 1 1/8") Ø. An adjustment screw enables the cutting depth to be individually adjusted. Handle shells of wear resistant, glass fibre reinforced polyamide. Insulation stripping (0.5 - 0.8 - 1.5 - 2.5 - 4.0 - 6.0 mm ²) via flap mechanism on handle end.	4 - 28 mm	1	12 0004
  1000 V Safety cable stripping knife	with insulated blade back and blade guard that folds away into the shaft, interchangeable blade	Blade length 50 mm	1 12 0064
Interchangeable blade		1	12 0066
Cable stripping knife - shears set, 2 piece			
Cable stripping knife	blade design with reinforced blade back and lightly serrated front cutting edge. The additional cutting edge in the front area of the main cutting edge, together with the metal guide shoe on the blade guard, allows you to make secure longitudinal cable cuts. The foldaway blade guard with integrated stripper for cable of 0.5 - 6 mm ² (AWG 20 - 10) can also be used as counter pressure on the cable for round cuts to a diameter of 50 mm. Total length 170 mm, blade length 45 mm.		
Electrician shears	one-sided micro-serrated cutting edge, glass fibre reinforced, impact-resistant, 2-component plastic handle, total length 140 mm, cutting edge length 47 mm. For cutting and stripping insulation from conductors and cables to a diameter of 22 mm, for cutting insulating tape, cable ties and other materials.		
Tool holder	light plastic holder for knives and shears with belt receiver. The knife can also be secured by means of a locking mechanism	2-piece	180 mm 1 12 0218
  1000 V Safety cable stripping knife	cable stripping knife especially for working with insulation on large cables, with strong, straight blade of stainless steel, blade length approx. 50 mm. 1000 volt insulating handle with large anti-slip protection in modern 2-component technology (polypropylene with soft rubber insert) for working comfortably and securely even in wet, cold or hot conditions. With blade protection cover.		1 12 1042
  1000 V Cable stripping knife	with hooked blade and shuttle	Blade length 40 mm	1 12 0046
  1000 V Cable stripping knife	with strong, straight blade	Blade length 50 mm	1 12 0042
  1000 V Cable stripping knife	with straight blade and insulated blade back	Blade length 50 mm	1 12 0043
  1000 V Stripping knife	with hooked cutting edge	Blade length 35 mm	1 12 0044
  1000 V Cable paper knife	with especially sharp blade	Blade length 50 mm	1 12 0045

	Design	Size mm	PU	Article no.
1	Cable stripping knife handle of a single piece, impact-resistant plastic. Blade with round and triangular scraper 1-piece	1	12 0050	
2	with wooden handle, blade with scraper 1-piece	12	12 0052	
3	with wooden handle, blade and reamer 2-piece	12	12 0054	
4	with wooden handle, blade, reamer and screwdriver 3-piece	12	12 0056	
5	with plastic handle, 2 blades, reamer and screwdriver 4-piece	12	12 0058	
6	Cable and lead knife with wooden handle 1-piece	12	12 0060	
7	Safety knife made of die cast zinc, for trapezoidal blades 60 x 19 x 65 mm, blade can be changed without tools (interlock system), with blade storage: Replacement blades for 12 0062	175	1	12 0062
8		10	12 0063	
9	Universal knife made of die cast zinc, stainless steel blade guide, knife feeder with locking system with rubber insert 18 mm Replacement knives for 12 0078	170	1	12 0078
10		10	12 0079	
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Design	Size mm	PU	Article no.	cimco®
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SAWS, TUBE CUTTERS

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Design

With the handy pistol shape, already laid tubes can be quickly and easily shortened. Pumping movements release the ratchet mechanism and the blade is thus pushed through the cutting material with the slightest manual effort.

Blade

The robust replaceable cutting edge can be used with the following materials: hard and soft plastics, rubber hoses, isoflex tubes, hard and soft PVC tubes, etc. The blade symmetry provides precise right angle cuts without burrs or deformation.



Design	Size/mm	PU	Article no.
Pocket saws PUK Vario			
innovative small saw bow of 10 x 5 mm flat steel, high-gloss zinc plating, with ergonomic, glass fibre reinforced plastic handle, blade tension via embedded knurled screw. 65 mm high sawing space. In two different lengths, each with universal saw blade.			
Vario 150	weight 165 g	260	1 12 0515
Vario 200	weight 177 g	310	1 12 0520
Pocket saws PUK			
span width 150 mm, with metal cutting saw blade			
with adjustable polished wooden handle		3	12 0500
with firm, lacquered wooden handle		6	12 0502
Pocket saw PROFI			
with universal blade			
Span width 150 mm		10	12 0490
△ 1000 V Saw bow			
fully insulated			
Span width 150 mm		1	12 0700
Bulk saw blades			
according to DIN 6494 Form C, 150 mm length, 6 mm width, 0.4 mm thickness			
Wood cutting saw blade for hard and soft woods, chipboard and hardboard, soft plastic, etc.			
Tooth pitch 1.8 mm (14 teeth per inch)	150	12	12 0504
as above but for Vario 200	200	12	12 0505
Universal saw blade for steel, aluminium, nonferrous metals, fibre glass, plastic conduit and tubing, mineral, rigips and cement asbestos boards			
Tooth pitch 1.0 mm (25 teeth per inch)	150	12	12 0506
as above but for Vario 200	200	12	12 0507
Metal cutting blade for all metals, non-ferrous metals (copper), stainless steel, special alloys, Plexiglas® and plastics			
Tooth pitch 1.2 mm (32 teeth per inch)	150	12	12 0512
as above but for Vario 200	200	12	12 0513
Saw blade set			
according to DIN 6494 Form C, 150 mm length, 6 mm width, 0.4 mm thickness. Contains 3 each of the following:			
universal saw blade (tooth pitch 1.0 mm (25 teeth per inch)), metal cutting saw blade (tooth pitch 0.8 mm (32 teeth per inch)), fine metal cutting saw blade for especially fine, burr-free cuts even in very thin sheets (tooth pitch 0.5 mm (50 teeth per inch)), wood cutting saw blade (tooth pitch 1.8 mm (14 teeth per inch))			
		1	12 0508
Metal hacksaw frame			
especially light and simultaneously very stable metal cutting saw for 300 mm saw blades. Made of die cast aluminium in an ergonomic design, with soft rubber inserts on the handle and front grip. High cutting precision of the blade in straight and 40 degree position due to captive locking pins. The blade can be tightened up to 800 N via the turn-lock fastener in the handle. Delivery incl. a bi-metal cutting saw blade.			
Span width 300 mm	weight 650 g	1	12 0602
Metal hacksaw frame			
hacksaw with innovative quick release on the two-component handle for single-sided saw blades DIN 6494 Form A. With improved grip due to nonslip plastic and additional front slide protection, glossy chrome-plated, with captive locking pins.			
Span width 300 mm		520	6 12 0600
Metal hacksaw frame			
adjustable, made of right-angle steel tubing, material thickness 16 x 10 mm, red powder coating, with attachment pin			
Span width 300 mm		6	12 0607
△ 1000 V Hacksaw frame			
fully insulated hacksaw with innovative quick release on the handle for single-sided saw blades DIN 6494 Form A. With improved grip due to nonslip plastic and reduced weight.			
Span width 300 mm	weight 785 g	520	1 12 0702

Design	Size/mm	PU	Article no.
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cimco®

Design	Size/mm	PU	Article no.
Metal cutting saw blades			
according to DIN 6494 Form A, single-sided			
Material	Dimensions mm	Teeth per inch	
HSS-Co	300 x 13 x 0.65	24	100
Form B, double sided			12 0608
Material	Dimensions mm	Teeth per inch	
WS	300 x 25 x 0.8	24	50
			12 0614



1

Tube cutter SUPER

new, reinforced design

Working range 6 - 35 mm ø	1	12 0410
Replacement blade	1	12 0412



2

Tube cutter MAXI

with adjustment lever for changing the cutting opening

Working range 6 - 42 mm ø	1	12 0420
Replacement blade	1	12 0422



3

Plastic tube shear MINI

made of die cast magnesium, for cutting plastic and composite tubes up to a diameter of 35 mm. Optimum power transmission, with quick change system for changing blades simply and easily. Automatic blade retraction. Blade of INOX steel with long service life (made in Solingen).

Extremely light and compact, only 270 g.

35 mm ø / 1 3/8"	220	1	12 0416
Replacement blade		1	12 0417



4

Plastic tube cutter PROFI

made of die cast magnesium, for cutting plastic and composite tubes up to a diameter of 42 mm. Optimum power transmission thanks to ratchet mechanism with progressive, gear driven blade feed with 2-component handle. Blade retraction via one-hand quick retraction mechanism. With quick change system for replacing blades quickly and easily. Blade of INOX steel with long service life (made in Solingen).

42 mm ø / 1 5/8"	240	1	12 0418
Replacement blade		1	12 0419



5

Universal tube cutter

with 2 interchangeable knives for insulation and hard PVC tubes and for soft plastic and rubber hoses

Tube outer ø max. 29 mm	200	1	12 0450
Bulk knives			
for hard PVC	1	12 0452	
for soft tubes	1	12 0453	



6

Corrugated tube cutter

for cutting and trimming corrugated plastic tubes (flex tubes) and plastic shield tubes up to 42 mm ø in the electrical, plumbing and heating fields, simply rotate the tool to safely cut at the outer diameter without damaging the interior tube, with two interchangeable cutting inserts, weight only 45 g

Working range to 42 mm ø	110	1	12 0430
Replacement cutting inserts		1 pair	12 0432



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Design

Size/mm

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Article no.

Design	Size/mm	PU	Article no.
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Ratcheting tube cutter

innovative tube cutter with a worldwide patent. Ratchet mechanism allows you to cut a tube without having to completely rotate the tool. Especially suitable for work in restricted working spaces (e.g., tubes installed in corners or on walls). One-hand operation. High performance thanks to special cutting wheel and double roller guide (speed, durability). Integrated deburrer for clean edges on the cut tubes. Easily replaceable cutting wheel. One replacement cutting wheel is contained in the scope of delivery. Weight 400 g. Cutting capacity – for tubes of plastic, copper, aluminium, etc. For outer tube diameter of 12 to 35 mm ($\frac{1}{4}$ " to $1\frac{3}{8}$ ").

175 x 38 x 68

1

12 0480



Hole and disc cutter

for machine operation, for metal sheets of up to 5 mm thickness, cement asbestos and plastic plates, for installing lights, built-in loudspeakers and other cutouts.

Cut	Receiver shaft-	drill
\varnothing mm	\varnothing mm	\varnothing mm
max. 100	8	4

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12 0800



Hole and disc cutter

for manual operation, with scale, for rubber, leather, plastic, etc., two knives also provide ring cutouts

400 mm \varnothing	1	12 0834
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Hole punch for trapezoidal sheets

for trapezoidal sheets up to 1.2 mm thick and for a cutting width up to 100 mm. Depth stop adjustable from 35 mm – 105 mm. Tempered punching die fitted with formed ejection springs.

with hole diameter 10 mm	700 mm	1	10 1570
punching die with ejection springs		1	10 1571



Design

Size/mm

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Article no.

DRILLS, HOLE SAWS, DIAMOND TOOLS

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Interchangeable centring drill

On a step drill, the tapping device is the part that is under the most stress. Therefore, CIMCO step drills have exchangeable centring drill. Once the centring drill become worn, it is only these drill that are replaced within in a matter of seconds and not the entire drill bit – which saves a lot of money.

Three flutes

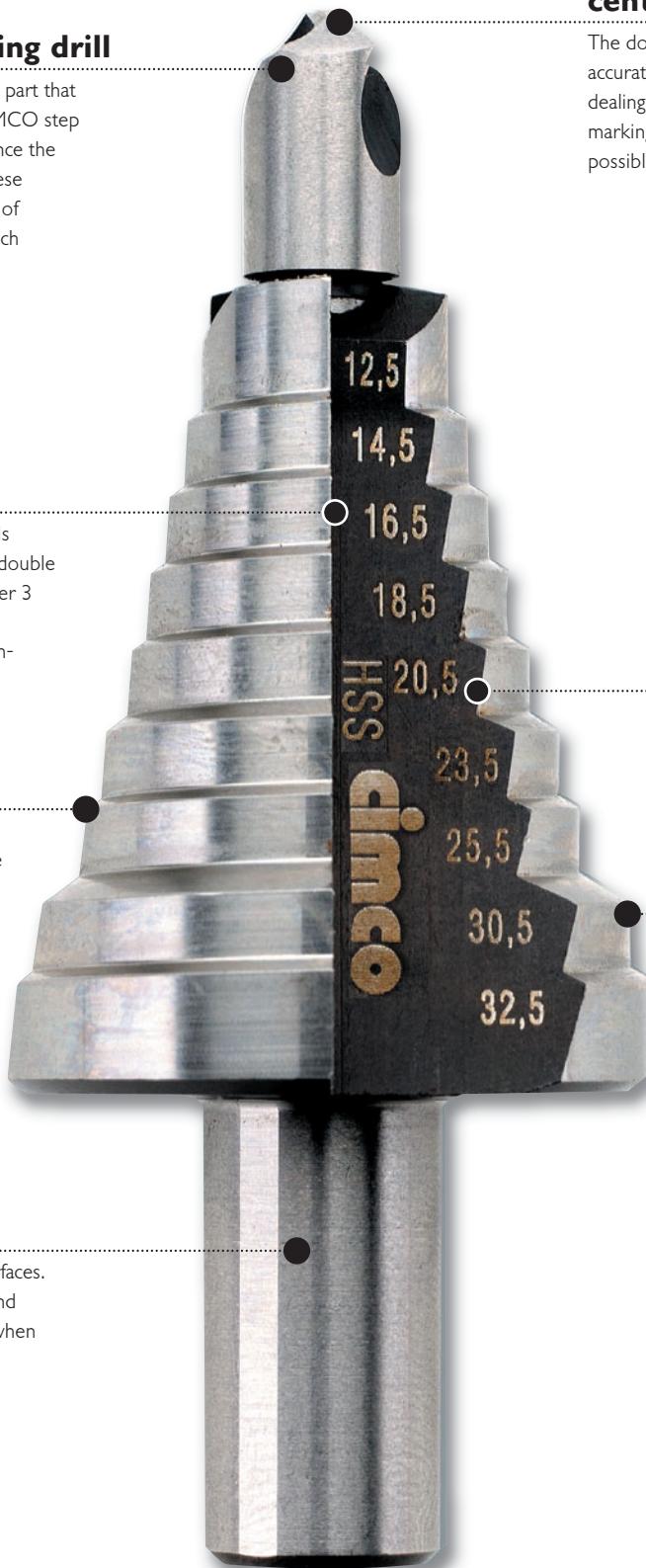
On CIMCO step drills, the cutting load is distributed differently than on single or double flute constructions as it is distributed over 3 blades. This means a higher cutting performance, low pressure and vibration-free working as well as low wear!

Back taper

Each step has a radial and axial back taper, whereby the blade represents the highest point in diameter and in the cutting step – ensuring the utmost in cutting performance and complete smoothness!

Three drive surfaces

The drill bit shaft has three clamping surfaces. This ensures a solid hold in the chuck and prevents slipping in the machine, even when dealing with severe loads.



Special

centring point design

The double-edged drill bit shape guarantees accurate centring and drilling, even when dealing with thin-walled material – no punch-marking or pre-drilling required and it is not possible to slide away.

Laser-inscribed

drilling steps

Each hole diameter can be accurately read in the flutes.

Automatic

deburring

drilling through the transition and into the next drill bit step in the same work stage prevents sharp edges.

Design	Size/mm	PU	Article no.
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550 W pneumatic rotary drill hammer

- Lightest rotary drill hammer with the best power to weight ratio in the world.
- Low weight and an ergonomic design enable low-fatigue working, especially when performing overhead work.
- Reversing brush system enables maximum torque in both clockwise and anti-clockwise directions (jammed drill bits can be released without any problems whatsoever).
- Excellent drilling progress thanks to sophisticated impact mechanism technology, ideally designed for a diameter range of 6-12 mm (dowel holes).
- Robust magnesium die-cast drive housing for ideal impact performance and long service life.
- Impact stop for normal drilling and screwing.
- Control electronics for sensitive drilling.
- Safety slipping clutch protects the user if the drill bit should become jammed.
- Power cable module measuring 4 m ensures a great freedom of movement.
- 10-year device warranty includes a 2-year full warranty (incl. wear parts).

Included in delivery: 550 W pneumatic rotary drill hammer and 2-component soft handle complete with drilling depth stop. Supplied in a professional plastic case.

Power consumption	550 Watt
Idling speed	0...1450 rpm
Nominal speed	900 rpm
Idling mode impact rate	5790 rpm
Impact rate at nominal load	4010 rpm
Impact energy	1.8 Joule
Recommended drilling range	
Hammer drilling up to a ø of:	4-12 mm
Hammer drilling in concrete:	18 mm
Drilling in steel up to a ø of	13 mm
Drilling in wood up to a ø of	25 mm
Clamping collar ø	43 mm
Machine weight	1.7 kg



1 11 0002



850 W 2-speed hammer drill

- Ergonomic design with rubberised handle surfaces for low-fatigue and slip-free work.
- Full wave electronic system with speed pre-selection for sensitive drilling and accurate screwing.
- Reversing brush system enables maximum torque in both clockwise and anti-clockwise directions (jammed drill bits and driven-in screws can be released without any problems whatsoever).
- Mechanic 2-speed drive with high torque in 1st gear for screwing and high speed in 2nd gear for drilling.
- Robust aluminium die-cast drive housing for ideal impact performance and long service life.
- Powerful 850 Watt motor for excellent drilling performance.
- Impact stop for normal drilling and screwing.
- Impact-resistant metal quick-action chuck ø 13 mm.
- Safety slipping clutch protects the user if the drill bit should become jammed.
- Suitable for use in drill stands thanks to the 43 mm clamping collar and speed pre-selection complete with locking button.
- Power cable module measuring 4 m ensures a great freedom of movement.
- 10-year device warranty

Included in delivery: 850 W 2-speed hammer drill and 2-component soft handle complete with drilling depth stop.

Supplied in a professional plastic case.

Power consumption	850 Watt
1st gear idling speed	0 ... 1250 rpm
2st gear idling speed	0 ... 3000 rpm
Idling mode impact rate	48000 rpm
Chuck adapter	1/2" x 20 UNF
Drilling capacity in ø:	
Wood	40 mm
Steel	13 mm
Impact drilling in concrete	20 mm
Clamping collar ø	43 mm
Machine weight	2.3 kg



1 11 0004

Design	Size/mm	PU	Article no.
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cimco®

Design	Size/mm	PU	Article no.
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14.4 V 2-speed cordless screwdriver

- Powerful cordless combination drill in compact and light design.
- QuiXS rapid-action chuck changing system - screw bit in the spindle and drill bit in the chuck - rapid changeover between drilling and screwing possible without having to exchange tools.
- Long service life thanks to intelligent overload protection.
- 2-speed planetary drive with high torque in 1st gear for screwing and high speed in 2nd gear for drilling.
- Robust aluminium die-cast drive housing for a long service life.
- Extremely brief charging time of only 15 minutes (charging time can be viewed on the capacity display).
- Lithium ion battery technology.
- Winner of the iF product design award 2010 – award for ergonomics & functionality.
- 10 year device warranty and 2 year battery warranty.

Battery 14.4 Volt / 1.5 Ah Li-Ion

1st gear idling speed 0..360 rpm

2nd gear idling speed 0..1500 rpm

Corner dimension 30 mm

Chuck span 1.5 – 13 mm

Drilling in wood up to a ø of 38 mm

Drilling in steel up to a ø of 13 mm

Screwing in wood up to a ø of 10 mm

Max. torque (hard) 55 Nm

Max. torque (soft) 35 Nm

Charging time 15 min.

Machine weight without chuck 1.3 kg

Machine weight with chuck 1.6 kg

Dimensions without chuck 172 x 58 x 212 mm

Dimensions with chuck 224 x 58 x 212 mm

Included in delivery: 14.4 Volt 2-speed cordless screwdriver, ø 13 mm quick-clamping chuck, second battery pack, CSL 30 LI quick charger with cable storage, drive protective cap. Supplied in a professional plastic case.



1 11 0006

Design

Size/mm

PU

Article no.

cimco®

1	Design	Size/mm	PU	Article no.
Twist drill				
according to DIN 338/HSS Type N, short cylindrical, right-hand cutting, roll-forged design				
2	ø mm	Total length	Spiral length	
3	1.0	34	12	10 20 0314
4	1.5	40	18	10 20 0324
5	2.0	49	24	10 20 0334
6	2.4	57	30	10 20 0342
7	2.5	57	30	10 20 0344
8	2.8	61	33	10 20 0350
9	3.0	61	33	10 20 0354
10	3.1	65	36	10 20 0356
11	3.2	65	36	10 20 0358
12	3.3	65	36	10 20 0360
13	3.5	70	39	10 20 0364
14	4.0	75	43	10 20 0373
15	4.1	75	43	10 20 0374
16	4.2	75	43	10 20 0375
17	4.5	80	47	10 20 0379
18	4.8	86	52	10 20 0383
19	5.0	86	52	10 20 0385
20	5.1	86	52	10 20 0386
21	5.2	86	52	10 20 0387
22	5.5	93	57	10 20 0391
23	6.0	93	57	10 20 0397
24	6.5	101	63	10 20 0403
25	6.8	109	69	10 20 0407
26	7.0	109	69	10 20 0409
27	7.5	109	69	10 20 0415
28	8.0	117	75	10 20 0421
29	8.5	117	75	10 20 0427
30	9.0	125	81	10 20 0433
31	9.5	125	81	10 20 0439
32	10.0	133	87	10 20 0445
33	10.2	133	87	10 20 0447
34	10.5	133	87	10 20 0451
35	11.0	142	94	10 20 0457
36	11.5	142	94	10 20 0463
37	12.0	151	101	5 20 0469
38	12.5	151	101	5 20 0472
39	13.0	151	101	5 20 0476



Further dimensions, particularly intermediate dimensions, available ex stock.

Twist drill assortment

according to DIN 338, in highly-stable plastic box with clamping bar for each drill bit

17	Unit	ø mm	mm	Increasing by
Roll-milled drill bit, HSS				
18	19	1 - 10	0.5	1 20 1352
19	25	1 - 13	0.5	1 20 1354
Profile-grounded drill bit, HSS, bare design				
20	19	1 - 10	0.5	1 20 1358
21	25	1 - 13	0.5	1 20 1360



Twist drill assortment

in round plastic box, roll-milled drill bit, HSS, according to DIN 338

22	Unit	ø mm	mm	Increasing by
23	19	1 - 10	0.5	1 20 1320



Twist drill workshop magazine

in metal box, roll-milled drill bit, HSS, according to DIN 338, 170 piece, increasing by 0.5 mm

24	10 units each of 1.0 - 8.0 mm and 5 units each of 8.5 - 10.0 mm	1	20 1340
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Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
Stone and concrete drill bit			
with carbide tipped blades and cylindrical shaft, ideal for use in cordless combination drills, optimised for constantly recurring applications in masonry			
ø mm	Total length	Spiral length	
4	85	45	10 20 1604
5	90	50	10 20 1610
6	100	60	10 20 1614
	150	110	10 20 1702
	400	275	10 20 1752
7	100	60	10 20 1618
8	120	80	10 20 1622
	400	275	10 20 1758
	600	350	5 20 1854
10	150	110	10 20 1630
	400	275	10 20 1760
	600	400	5 20 1856
12	150	90	10 20 1634
	400	275	10 20 1762
	600	550	5 20 1858
14	150	90	10 20 1638
	600	500	10 20 1862



Stone and concrete drill bit assortment, 7-piece

for hammer drills and cordless screwdrivers. With round shaft and four-spiral conveying helix for a rapid transportation of the drilling dust. Hard metal tips, premium soldering. In a practical plastic box.

Drill bit ø x length mm

4 x 80 / 5 x 95 / 5 x 150 / 6 x 100 / 8 x 120 / 10 x 120 / 12 x 150 mm 1 20 1380

PROFI SDS-Plus hammer drill

with carbide tipped blades, high drilling speed thanks to the wide Twinmax helix, the user is protected by the vibration-optimised drilling behaviour, certified by the German Masonry Drill Bit Testing Association (PGM) in accordance with the requirements as set out by the German Institute for Building Technology (DIBt), suitable for all machines with SDS plus receivers, Made in Germany

ø mm	Total length	Spiral length	PU	Article no.
5	110	50	1	20 8302
	160	100	1	20 8304
6	110	50	1	20 8308
	160	100	1	20 8310
7	110	50	1	20 8316
	160	100	1	20 8318
8	110	50	1	20 8320
	160	100	1	20 8322
	210	150	1	20 8324
10	110	50	1	20 8328
	160	100	1	20 8330
	210	150	1	20 8332
	310	250	1	20 8334
	460	400	1	20 8336
12	160	100	1	20 8342
	210	150	1	20 8343
	310	250	1	20 8344
	450	400	1	20 8346
	600	550	1	20 8348
14	160	100	1	20 8354
	200	150	1	20 8355
	300	250	1	20 8356
	450	400	1	20 8357
15	250	200	1	20 8360
16	160	100	1	20 8362
	200	150	1	20 8364
	450	400	1	20 8366
	600	550	1	20 8368
18	200	150	1	20 8372
	450	400	1	20 8373
19	450	400	1	20 8378
20	200	150	1	20 8380
	450	400	1	20 8382
22	250	200	1	20 8384
	450	400	1	20 8386
24	250	200	1	20 8388
25	300	250	1	20 8390

Further sizes on request.

Design	Size/mm	PU	Article no.
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cimco®

Design	Size/mm	PU	Article no.
1	5 x 110 / 6 x 110 / 6 x 160 / 8 x 110 / 8 x 160 / 10 x 160 / 12 x 160	1	20 1395

SDS-Plus hammer drill assortment, 7-piece

equipped with drill bits from our 20 8300 ff. range, supplied in a stable plastic cartridge.

Drill bit ø x length mm



SDS-Plus hammer drill CIMCO

with carbide tipped blades, for all concrete and stone applications (concrete, aerated concrete/YTONG, sand-lime brick masonry, stone), certified by the German Masonry Drill Bit Testing Association (PGM) in accordance with the requirements as set out by the German Institute for Building Technology (DIBt), suitable for all machines with SDS plus receivers

ø mm	Total length	Spiral length	PU	Article no.
5	110	50	1	20 8602
	160	100	1	20 8604
5.5	110	50	1	20 8605
	160	100	1	20 8606
6	110	50	1	20 8608
	160	100	1	20 8610
6.5	110	50	1	20 8616
	160	100	1	20 8618
8	110	50	1	20 8620
	160	100	1	20 8622
	210	150	1	20 8624
10	110	50	1	20 8628
	160	100	1	20 8630
	210	150	1	20 8632
	310	250	1	20 8634
	450	400	1	20 8636
12	160	100	1	20 8642
	210	150	1	20 8643
	310	250	1	20 8644
	450	400	1	20 8646
	600	550	1	20 8648
14	160	100	1	20 8654
	210	150	1	20 8655
	310	250	1	20 8656
	450	400	1	20 8657
16	160	100	1	20 8662
	210	150	1	20 8664
	450	400	1	20 8666
	600	550	1	20 8668
18	210	150	1	20 8672
	450	400	1	20 8673
20	210	150	1	20 8680
	450	400	1	20 8682
22	310	250	1	20 8684
	450	400	1	20 8686
25	310	250	1	20 8690

Further sizes on request.



Design	Size/mm	PU	Article no.	cimco®
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Design	Size/mm	PU	Article no.
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TripleX SDS-Plus hammer drill

triple-winged carbide tipped blades with a wave-like head design and laterally reinforced blade shape make the TripleX permanently strong in the hardest concrete. Also suitable for stone, aerated concrete, sand-lime brick masonry. The TripleX owes its extreme service life and powerful drilling behaviour to an innovative and very wide hard metal design of the drilling head. The embedded hard metal head created by means of a novel production process with a curved shape withstands the highest of forces. Thanks to its three wide helixes in combination with the three hard metal blades, an ideal drilling dust removal is ensured without the drilling dust being blown out. Also remains firm in the event of reinforcement being struck.

The TripleX is certified by the German Masonry Drill Bit Testing Association (PGM) in accordance with the requirements as set out by the German Institute for Building Technology (DIBt).

Ø mm	Total length	Spiral length	PU	Article no.
5	110	50	1	20 8400
5	160	100	1	20 8402
5.5	110	50	1	20 8404
5.5	160	100	1	20 8406
6	110	50	1	20 8408
6	160	100	1	20 8410
6	210	150	1	20 8412
6	260	200	1	20 8414
6.5	110	50	1	20 8416
6.5	160	100	1	20 8418
6.5	210	150	1	20 8420
7	160	100	1	20 8422
7	210	150	1	20 8424
8	110	50	1	20 8426
8	160	100	1	20 8428
8	210	150	1	20 8430
8	260	200	1	20 8432
8	310	250	1	20 8434
8	450	400	1	20 8436
10	110	50	1	20 8438
10	160	100	1	20 8440
10	210	150	1	20 8442
10	260	200	1	20 8444
10	310	250	1	20 8446
10	450	400	1	20 8448
10	600	550	1	20 8450
12	160	100	1	20 8452
12	210	150	1	20 8454
12	260	200	1	20 8456
12	310	250	1	20 8458
12	450	400	1	20 8460
12	600	550	1	20 8462
14	160	110	1	20 8464
14	200	150	1	20 8466
14	250	200	1	20 8468
14	300	250	1	20 8470
14	450	400	1	20 8472
14	600	550	1	20 8474
16	200	150	1	20 8476
16	260	200	1	20 8478
16	300	250	1	20 8480
16	450	400	1	20 8482
16	600	550	1	20 8484



Design	Size/mm	PU	Article no.	cimco®
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Design	Size/mm	PU	Article no.
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SDS-MAX hammer drill

with carbide tipped blades, 12 - 15 mm ø = 2 blades, from 16 mm in ø = 4 blades, with SDS-MAX receivers system, suitable for all machines with SDS-MAX receivers.

ø mm	Total length	Spiral length	PU	Article no.
12	340	200	1	20 8100
	540	400	1	20 8102
	690	550	1	20 8104
14	340	200	1	20 8106
	540	400	1	20 8108
	690	550	1	20 8104
15	340	200	1	20 8110
	540	400	1	20 8112
	690	550	1	20 8114
16	340	200	1	20 8116
	540	400	1	20 8118
	690	550	1	20 8120
18	340	400	1	20 8122
	540	400	1	20 8124
	690	800	1	20 8126
20	320	200	1	20 8128
	520	400	1	20 8130
	920	800	1	20 8132
22	320	200	1	20 8134
	520	400	1	20 8136
	920	800	1	20 8138
24	320	200	1	20 8140
	520	400	1	20 8142
	920	800	1	20 8144
28	370	250	1	20 8146
	570	450	1	20 8150
	920	250	1	20 8152
30	370	250	1	20 8154
	570	450	1	20 8156
	920	800	1	20 8158
35	370	250	1	20 8160
	570	450	1	20 8162
	670	550	1	20 8164
38	370	250	1	20 8166
	570	450	1	20 8168
	920	250	1	20 8170
40	370	250	1	20 8172
	570	450	1	20 8174
	920	800	1	20 8174



Multi-purpose drill bit

with carbide tipped blades and cylindrical shaft. The ideal universal drill bit for a variety of materials used during construction. A slight impact may be used when drilling in masonry and stone.

ø mm	Total length	Spiral length	PU	Article no.
4	85	41	1	20 1880
5	95	44	1	20 1882
6	100	54	1	20 1884
7	110	59	1	20 1886
8	120	63	1	20 1888
10	120	83	1	20 1890
12	150	99	1	20 1892



Design	Size/mm	PU	Article no.
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SDS-Plus chisel

Pointed chisel

for the laying of lines, for all types of chiselling / demolition works as well as breakthrough works.

11 mm, round	250	1	20 8002
14 mm, square	250	1	20 8004

Flat chisel

for selective breaking actions, all types of chiselling / demolition works and breakthrough works.

20 mm	250	1	20 8010
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Spade chisel

for the large-scale universal removal of material.

40 mm	250	1	20 8006
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Gouge

for the pulling of narrow channels into concrete and masonry.

22 mm	250	1	20 8020
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Tile chisel

for the removal of tiles.

40 mm	250	1	20 8012
75 mm	165	1	20 8000

Winged chisel

for the stemming, cutting and pulling of channels with a depth restriction.

22 mm	250	1	20 8008
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Jointing chisel

for the removal and cleaning of joints and masonry.

25 mm	250	1	20 8014
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HM jointing chisel

for the removal and cleaning of joints and masonry with an extra-long service life.

32 mm	125	1	20 8016
32 mm	200	1	20 8018

SDS-Max chisel

Pointed chisel

for the laying of lines, for all types of chiselling / demolition works as well as breakthrough works.

280	1	20 8030
400	1	20 8032
600	1	20 8034

Flat chisel

for selective breaking actions, all types of chiselling / demolition works and breakthrough works.

25 mm	280	1	20 8036
25 mm	400	1	20 8038
25 mm	600	1	20 8040

Spade chisel

for the large-scale universal removal of material.

50 mm	400	1	20 8042
80 mm	300	1	20 8044
115 mm	350	1	20 8060

Channel chisel

for the pulling, stemming and cutting of channels.

32 mm	300	1	20 8046
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Gouge

for the pulling of narrow channels into concrete and masonry.

26 mm	300	1	20 8050
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Design	Size/mm	PU	Article no.
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Design	Size/mm	PU	Article no.		
Toothed chisel					
for the restoration of joints and masonry.					
32 mm	300	1	20 8052		
Mortar chisel					
for the removal and cleaning of joints in masonry and mortar.					
10 mm	300	1	20 8054		
Tile chisel					
for the removal of tiles.					
50 mm	300	1	20 8056		
Winged chisel					
for the stemming, cutting and pulling of channels with a depth restriction.					
35 mm	380	1	20 8058		
Impact core bit					
the 6 accurately ground blades soldered with silver achieve excellent durability, even when dealing with hard materials. The hardened steel body with M 16 female thread and the optimised concentricity is ideally suited for concrete, stone, masonry, bricks, tiles and lightweight construction materials.					
Receiver shaft in hexagonal or SDS-plus version. Low-wear hard metal teeth with slot soldering ensure maximum stability. With interchangeable centring drill bits for light impacting use (material dependent), precise incorporation of switch / distribution boxes.					
Drilling ø mm					
Impact core bits in hexagonal version	68 80 (82)	1 1	20 7311 20 7315		
Impact core bits with SDS-Plus	68 80 (82)	1 1	20 7321 20 7325		
Centring drill bit	9 (8)	1	20 7340		
Hexagonal receiver shaft	Size 12 100	1	20 7330		
SDS-Plus receiver shaft	110	1	20 7334		
HSS step drill					
especially for screwed cable glands in electrical assembly, perfectly round and cylindrical holes in various diameters, centring, drilling, drilling out and deburring in a single work stage, suitable for use in hand and box column drills in the fields of trade and industry, for sheet metal and plate metal, profiles and tubes manufactured from steel, brass, copper, aluminium, V2A stainless steel, plastic, wood, etc. up to 3 mm in thickness. 12 mm ø receiver shaft.					
Surfaces additionally coated with TiN (titanium nitrite) after hardening are extremely hard and smooth. Higher cutting speed permits quicker working, lower wear increases the durability by between 5 and 10 fold!					
Drilling ø mm	40.5 through-hole for 38.0 cored hole for 37.0 through-hole for 33.6 32.5 through-hole for 30.5 cored hole for 28.3 through-hole for 25.8 23.5 through-hole for 22.5 cored hole for 20.5 through-hole for 20.4 through-hole for 18.6 through-hole for 18.5 cored hole for 16.5 through-hole for 15.2 through-hole for 12.5 through-hole for 8.0 centring drill bit	M 40 M 40 M 40 M 40 M 32 M 32 M 32 M 32 M 25 M 25 M 25 M 20 M 20 M 16 M 16 M 9	Drill steps		
HSS	• • • • • • • •	P 8 P 11 P 13.5 P 16 P 16 M 16 M 20	9	1	20 1201
HSS-TIN	• • • • • • • •	P 8 P 11 P 13.5 P 16 P 16 M 16 M 20	9	1	20 1206
HSS	• • • • • • • •	P 8 P 11 P 13.5 P 16 P 16 M 16 M 20	11	1	20 1200
HSS-TIN	• • • • • • • •	P 8 P 11 P 13.5 P 16 P 16 M 16 M 20	11	1	20 1205
HSS	• • • • • • • •	P 8 P 11 P 13.5 P 16 P 16 M 16 M 20	10	1	20 1207
HSS-TIN	• • • • • • • •	P 8 P 11 P 13.5 P 16 P 16 M 16 M 20	10	1	20 1208
HSS	• • • • • • • •	P 8 P 11 P 13.5 P 16 P 16 M 16 M 20	12	1	20 1209
HSS-TIN	• • • • • • • •	P 8 P 11 P 13.5 P 16 P 16 M 16 M 20	12	1	20 1210
Replacement centring drill					
suitable for all CIMCO step drills					
Shaft ø 6 mm	8 mm ø	1	20 1273		
Shaft ø 4 mm (new generation)	8 mm ø	1	20 1274		

Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
HSS step drill for screwed cable glands			
special design for centric core holes and through-holes for metric screwed cable glands, with 2 flutes			
Drilling range M 12 - 32		1	20 1275



NEW

Special step drill for screw puncher

HSS step drill for the burr-free drilling of through-holes for screw puncher tension bolts in sizes M 8 ($\frac{3}{8}$ "") – M 10 ($\frac{7}{16}$ ") – M 12 – M 16 – $\frac{3}{4}$ " – M 20 in materials up to 4 mm in thickness. Suitable for use in hand and box column drills, total of 9 drill steps, receiver shaft (\varnothing 10 mm) with 3 driver carriers prevents slipping in the chuck.



1 20 1212

Step drill

for mechanical engineering and sheet metal processing, manufactured from HSS, complete with 2 blades, increasing by 1 mm

Drilling range	Max. drilling depth	Receiver shaft \varnothing mm		
\varnothing mm	mm			
4 - 12	5	6	1	20 1214
12 - 20	4	9	1	20 1216
20 - 30	4	12	1	20 1218



Drilling paste

50 g 1 20 1307



Sheet taper drill

for the burr-free processing of thin materials, manufactured from HSS

Drilling range	Shaft \varnothing mm	Size	Length mm		
3 - 9.1	6		60	1	20 1294
3 - 11.2	6		60	1	20 1295
3 - 14.0	6	0	60	1	20 1280
8 - 20.0	8	1	62	1	20 1282
16 - 30.0	10	2	72	1	20 1284
25 - 40.0	12	3	83	1	20 1286



Sheet taper drill assortment

in sheet steel cassette, with drilling paste

1 unit each of No. 20 1280, No. 20 1282, No. 20 1284 1 20 1300



Aerial drill

manufactured from HSS

Drilling range	Shaft \varnothing mm	Size	Length mm		
9.5 - 22.5	8	1	80	1	20 1290
4.0 - 30.5	10	2	100	1	20 1293



Milling drill

manufactured from premium-quality HSS for excellent performance and high durability, ground milling teeth and deep-ground flutes for drilling, milling, separating, rasping and filing of wood, chipboard, plastics, aluminum, other non-ferrous metals, steel sheets, plasterboard.

Ø mm	Length mm		
6,35 ($\frac{1}{4}$ "")	94	1	20 1298



90° countersink bit

manufactured from HSS, 3 blades, with axial and radial back taper, $\frac{1}{4}$ " shaft, according to DIN 3126

Ø mm	For M	Length mm		
6.3	3	31	1	20 1982
8.3	4	31	1	20 1983
10.4	5	34	1	20 1984
12.4	6	35	1	20 1985
16.5	8	38	1	20 1986
20.5	10	42	1	20 1987



Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
1 90° countersink bit assortment 6 piece, in sheet steel cassette 1 unit each of countersink bit 6.3 - 20.5 mm Ø		1	20 1989



Combination thread taps

drilling - thread cutting - deburring in a single work stage, manufactured from HSS, suitable for steel and non-ferrous metals, for material thicknesses up to 1 x diameter

M 3	1	20 7372
M 4	1	20 7373
M 5	1	20 7374
M 6	1	20 7375
M 8	1	20 7376
M 10	1	20 7377



Combination thread tap assortment

for core hole drilling, thread cutting and deburring in a single work stage, with 1/4" hexagonal shaft. This product is used in the processing of steel non-ferrous metals and plastics. Particularly useful for assembly work and small batches, supplied in a practical plastic box.

1 unit each of M 3 - 4 - 5 - 6 - 8 - 10	1	20 7360
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HSS thread tap bits

in metal box, with thread taps according to DIN 352 for metric standard threads,
3 piece bits with roughing tap, middle tap and finish tap, 1 bit each in sizes M 3 - 4 - 5 - 6 - 8 - 10 - 12

1	20 3920
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additionally with HSS twist drills (core hole drills)

2.5 - 3.3 - 4.2 - 5 - 6.8 - 8.5 - 10.2 mm Ø	1	20 3924
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Hand thread tap DIN 352/HSS

for metric ISO thread according to DIN 13 (6 H tolerance), 3-piece bit: roughing tap - middle tap - finish tap

Thread	Increase mm	Shaft-Ø mm	Total length mm		
M 1.0	0.25	2.5	32	1	20 2100
M 2.0	0.40	2.8	40	1	20 2110
M 2.2	0.45	2.8	40	1	20 2112
M 2.5	0.45	2.8	40	1	20 2114
M 3.0	0.45	2.8	40	1	20 2116
M 3.5	0.60	4.0	45	1	20 2118
M 4.0	0.70	4.5	45	1	20 2120
M 5.0	0.80	6.0	50	1	20 2123
M 6.0	1.00	6.0	50	1	20 2124
M 7.0	1.00	6.0	40	1	20 2125
M 8.0	1.25	6.0	56	1	20 2126
M 9.0	1.25	7.0	63	1	20 2127
M 10.0	1.50	7.0	70	1	20 2128
M 11.0	1.50	8.0	70	1	20 2129
M 12.0	1.75	9.0	75	1	20 2130



HSS thread tap (Direct cut)

DIN 352/B cutting thread tap with spiral point, for metric standard thread, supplied in a plastic box

1 unit each of thread tap sizes M 3 - 4 - 5 - 6 - 8 - 10 - 12

1 unit each of HSS twist drill (core hole drills) in sizes 2.5 - 3.3 - 4.2 - 5.0 - 6.8 - 8.5 - 10.2 mm

1 tap wrench, size 1 1/2 (for M 1 - M 12 thread tap)

1	20 3070
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Design	Size/mm	PU	Article no.
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cimco®

Design	Size/mm		PU	Article no.
HSS thread tap (direct cut)				
with exposed teeth, dimensions according to DIN 352, for metric ISO thread according to DIN 13				
Thread	Increase mm	Shaft-Ø mm	Total length mm	
M 3.0	0.50	0.50	40	1 20 3050
M 4.0	0.70	0.70	45	1 20 3051
M 5.0	0.80	0.80	50	1 20 3052
M 6.0	1.00	1.00	50	1 20 3053
M 8.0	1.25	1.25	56	1 20 3054
M 10.0	1.50	1.50	70	1 20 3055
M 12.0	1.75	1.75	75	1 20 3060



NEW

Tool holder

with ratchet for clockwise and anti-clockwise rotation, chrome plated

Clamping range	For thread taps			
mm	DIN	ISO		
2.6 - 5.5	M 3 - 10	M 3 - 6	85	1 20 7170
4.6 - 8	M 5 - 12	M 6 - 12	110	1 20 7172



NEW

Adjustable tap wrenches DIN 1814

for thread taps according to DIN 352

Size	For thread tap			Wwth. tube G	1	20 7150
	mm	metr. M	Vwth.			
0	2.1 - 4.9	1 - 8	1/16 - 1/4	-	1	20 7150
1	2.1 - 5.5	1 - 10	1/16 - 3/8	-	1	20 7151
1 1/2	2.1 - 7	1 - 12	1/16 - 1/2	-	1	20 7152
2	3.8 - 7	4 - 12	3/16 - 1/2	3/8 - 1/4	1	20 7153
3	4.9 - 12	5 - 21	1/4 - 3/4	1/8 - 3/8	1	20 7154
4	5.5 - 16	9 - 27	3/8 - 1	1/8 - 3/4	1	20 7155



NEW

HSS thread cutting tool bit

for metric standard threads.

Supplied in metal box, with thread taps according to DIN 352, 3 piece bit in sizes M 3 - 4 - 5 - 6 - 8 - 10 - 12, threading die according to DIN 223 in sizes M 3 - 4 - 5 - 6 - 8 - 10 - 12, thread gauge,

Threading die holder mm 20 x 5 - 20 x 7 - 25 x 9 - 30 x 11 - 38 x 14

tap wrench size 1 - size 2

1 20 3930



13

Nipple threading die

with guidance, threading die and interchangeable thread tap

M 10 + M 13	1	14 1000
M 10 x 1 mm	1	14 1002
M 13 x 1 mm	1	14 1004



14

Threading die DIN 223

pre-slit, for metric ISO threads according to DIN 13 (6 G tolerance)

Thread	Increase mm	External Ø mm	Height mm		
M 2.0	0.40	16	5	1	20 3610
M 2.2	0.45	16	5	1	20 3612
M 2.5	0.45	16	5	1	20 3614
M 3.0	0.50	20	5	1	20 3616
M 3.5	0.60	20	5	1	20 3618
M 4.0	0.70	20	5	1	20 3620
M 5.0	0.80	20	7	1	20 3623
M 6.0	1.00	20	7	1	20 3624
M 7.0	1.00	25	9	1	20 3625
M 8.0	1.25	25	9	1	20 3626
M 9.0	1.25	25	9	1	20 3627
M 10.0	1.50	30	11	1	20 3628
M 11.0	1.50	30	11	1	20 3629
M 12.0	1.75	38	14	1	20 3630



15

Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
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Threading die holder DIN 225

for DIN 223 threaded dies

Size	For thread metr. M	Wwth.	Length mm	1	Article no.
0	1 - 2 - 6	1/16 - 3/32	16 x 5	1	20 7200
1	3 - 4	1/8 - 5/32	20 x 5	1	20 7201
2	4.5 - 6	3/16 - 1/4	20 x 7	1	20 7202
3	7 - 9	5/16	25 x 9	1	20 7203
4	10 - 11	3/8 - 7/16	30 x 11	1	20 7204
5b	12 - 14	1/2 - 9/16	38 x 14	1	20 7206



further thread taps, threading dies and tool holders available upon request.

Thread repair assortment

for metric standard threads in sizes M 5 x 0.8 mm - M 6 x 1 mm - M 8 x 1.25 mm - M 10 x 1.5 mm - M 12 x 1.75 mm, the following items are clearly contained in a stable metal box: twist drill for drilling, cutting tap especially for thread attachments, hand installation tool complete with locking ring for the screwing-in of the thread attachments, pin breaker, 25 thread inserts each per size (only 10 units of M 12 size), meaning a total of 100 attachments. The thread attachments are manufactured from stainless steel, are free running and have nominal dimension length of diameter x 1.5. The system is fully compatible with other leading brands.



360 x 230 x 30 1 20 1245

Thread cutting tools for screwed cable glands

Thread tap

for metric screwed cable glands, also in plastic, not in VA stainless steel

	Total length	Thread length	1	Article no.
M 12 x 1.5	70	24	1	14 0850
M 16 x 1.5	74	26	1	14 0852
M 20 x 1.5	80	28	1	14 0854
M 25 x 1.5	93	33	1	14 0856
M 32 x 1.5	105	38	1	14 0858
M 40 x 1.5	105	38	1	14 0860
M 50 x 1.5	120	40	1	14 0862
M 63 x 1.5	120	40	1	14 0864



for tube PG (steel conduit thread) according to DIN 40430 PG

PG 7	70	24	1	14 0970
PG 9	74	26	1	14 0972
PG 11	76	26	1	14 0974
PG 13.5	80	28	1	14 0976
PG 16	85	30	1	14 0978
PG 21	93	33	1	14 0980
PG 29	105	38	1	14 0982
PG 36	110	40	1	14 0984
PG 42	120	40	1	14 0986
PG 48	120	40	1	14 0988

Adjustable tap wrenches

short design

for thread taps

M	Inch	PG	1	Article no.
7 - 18	1/4" - 3/4"	7 - 21	1	14 1020
20 - 63	1/2" - 2 1/2"	11 - 48	1	14 1022



Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
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Screw dies

to the clip housing

for metric screwed cable glands

	Blade quantity	L x W x H mm		
M 12 x 1.5	4	47 x 47 x 14	1	14 0889
M 16 x 1.5	4	47 x 47 x 14	1	14 0890
M 20 x 1.5	4	47 x 47 x 14	1	14 0891
M 25 x 1.5	6	47 x 47 x 14	1	14 0892
M 32 x 1.5	6	71 x 71 x 19	1	14 0893
M 40 x 1.5	6	71 x 71 x 19	1	14 0894
M 50 x 1.5	8	100 x 100 x 20	1	14 0895
M 63 x 1.5	8	100 x 100 x 20	1	14 0896
for tube PG (steel conduit thread) according to DIN 40430 PG				
PG 7	4	47 x 47 x 14	1	14 0910
PG 9	4	47 x 47 x 14	1	14 0912
PG 11	4	47 x 47 x 14	1	14 0914
PG 13.5	4	47 x 47 x 14	1	14 0916
PG 16	4	47 x 47 x 14	1	14 0918
PG 21	6	47 x 47 x 14	1	14 0920
PG 29	7	71 x 71 x 19	1	14 0922
PG 36	8	71 x 71 x 19	1	14 0924
PG 42	8	100 x 100 x 20	1	14 0926
PG 48	10	100 x 100 x 20	1	14 0928



Guides

to the clip housing

for metric screwed cable glands

M 12	1	14 0869
M 16	1	14 0870
M 20	1	14 0871
M 25	1	14 0872
M 32	1	14 0873
M 40	1	14 0874
M 50	1	14 0875
M 63	1	14 0876
for tube PG		
PG 7	1	14 0930
PG 9	1	14 0932
PG 11	1	14 0934
PG 13.5	1	14 0936
PG 16	1	14 0938
PG 29	1	14 0940
PG 42	1	14 0942



Tap wrench for steel conduit thread

manufactured from malleable cast iron, with steel tube arms, without accessories

M 12 - 25 / PG 7 - 21	1	14 0900
M 32 - 40 / PG 29 - 36	1	14 0902
M 50 - 63	1	14 0884
PG 42 - 48	1	14 0904



Tap wrench for steel conduit thread

with screw dies and guidance

M 16 - 25	1	14 0886
M 32 - 40	1	14 0887
M 50 - 63	1	14 0888
PG 9 - 21	1	14 0950



with adjustable guide (guide rings not required)

M 12 - M 25	1	14 0966
M 30 - M 40	1	14 0968
PG 7 - 21	1	14 0960
PG 29 - 36	1	14 0964

Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
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Step thread tap for metric screwed cable glands

step thread tap manufactured from the most suitable oil-hardened tool steel for the most common metric screwed cable glands. Suitable for working with plastic and metal as well as stainless steel, between 5 and 6 threads per step, drive via hexagonal shaft (e.g. via ring, open-end or socket wrench). Approximately 85 % of all screwed cable glands are covered with the M 12 - M 32 drill bit (order number 20 1240), approximately 90 % of all screwed cable glands are covered with both of the other drill bits. Compared to many single thread taps, the step thread taps offer a cost saving of up to 25 %.

For screwed cable glands	Length	Hexagonal wrench size		
M 12 - 16 - 20 - 25 - 32	80	13	1	20 1240
M 12 - 16 - 20	55	10	1	20 1242
M 25 - 32 - 40	55	13	1	20 1244



Step drill and thread tap assortment for screwed cable glands

compact set for the drilling of centric core holes and through-holes as well as for the thread cutting of metric screwed cable glands according to DIN EN 60 423, supplied in a handy plastic transport case. Assortment comprises of 1 HSS step drill for burr-free drilling and reaming, double-edged, with solid centring point and 13 laser-marked drilling steps for through-holes and core holes for screw glands measuring between M 12 and M 32, 12 mm ø receiver shaft with 3 driver carriers to protect against the drill bit from slipping in the chuck, 5 HSS cutting thread taps (direct taps) sorted by ISO fine thread M 12 x 1.5 - M 16 x 1.5 - M 20 x 1.5 - M 25 x 1.5 - M 32 x 1.5, 45 mm long design, with hexagonal drive shaft (10 / 13 mm) for single-handed work even on areas difficult to reach, actuation via socket wrench (groove and ratchet), but also via spanner and ring wrenches.

6 piece	1	20 1250
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Nozzle reamer

12 nozzle reamers and holders, supplied in plastic box

0.61 - 1.9 mm ø	10	20 4815
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Diamond cutting disk

for dry grinding, suitable for all standard angle grinders (holding fixture 22.2 mm ø)

Sinter-fused diamond stud design, medium hardness (marble, shale)

115	1	20 7950
125	1	20 7952



Turbo segment design for dry and wet cutting. For granite, concrete, natural stone, exposed aggregate concrete, hard bricks, roofing tiles (particular problem solver on wall grinders and joint cutters). Tested according to UVV VBG 49 regulation.

115	1	20 7960
125	1	20 7962
150	1	20 7964
180	1	20 7966
230	1	20 7968



Fully-covered, sintered-on diamond layer design, smooth steel core with cooling holes

(tiles, thin granites, natural stones)

115	1	20 7970
125	1	20 7972
150	1	20 7974
180	1	20 7976
230	1	20 7978



Lasered diamond segment and black steel blade design, increased segment thickness, for abrasive materials for wall grinders (sand-lime brick, plaster, masonry, screed, sandstone)

115	1	20 7980
125	1	20 7982
150	1	20 7984



Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
Cased drill bit			
safety cased drill bit manufactured from chrome-vanadium steel for wood, lightweight boards, plasterboards, not suitable for concrete and stone.			
ø mm			
6	400	1	20 6306
	600	1	20 6346
8	400	1	20 6308
	600	1	20 6348
10	400	1	20 6310
	600	1	20 6350
12	400	1	20 6312
	600	1	20 6352
14	400	1	20 6314
	600	1	20 6354
16	400	1	20 6316
	600	1	20 6356
18	400	1	20 6318
	600	1	20 6358
20	400	1	20 6320
	600	1	20 6360
22	400	1	20 6322
	600	1	20 6362
24	400	1	20 6324
	600	1	20 6364
25	400	1	20 6325
	600	1	20 6365
26	400	1	20 6326
	600	1	20 6366
28	400	1	20 6328
	600	1	20 6368
30	400	1	20 6330
	600	1	20 6370



Hole saws manufactured from HSS bi-metal with Vario toothing

the variable tooth distribution (4 - 6 teeth per inch) ensures vibration-free drilling. Hole saws with receiver thread, from 32 mm ø additional driver holes. For the rational drilling of steel, cast iron, stainless steel, copper, non-ferrous metals, hard and soft wood, sheetrock boards and other materials. Saw length 50 mm, max. drilling depth 40 mm, M 16 receiver thread. For receiver shafts (order number 20 7580 and 20 7588).

ø mm			
14		1	20 7414
16		1	20 7416
17		1	20 7417
19		1	20 7419
20		1	20 7420
21		1	20 7421
22		1	20 7422
24		1	20 7424
25		1	20 7425
27		1	20 7427
29		1	20 7429
30		1	20 7430



Design	Size/mm	PU	Article no.	cimco®
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Design	Size/mm	PU	Article no.
Hole saws manufactured from HSS bi-metal with Vario toothing			
the variable tooth distribution (4 - 6 teeth per inch) ensures vibration-free drilling. Hole saws with receiver thread, from 32 mm ø additional driver holes. For the rational drilling of steel, cast iron, stainless steel, copper, non-ferrous metals, hard and soft wood, sheetrock boards and other materials. Saw length 50 mm, max. drilling depth 40 mm, M 16 receiver thread. For receiver shafts (order number 20 7584, 20 7586 and 20 7589).			
ø mm			
32	1	20 7432	
35	1	20 7435	
37	1	20 7437	
38	1	20 7438	
40	1	20 7440	
41	1	20 7441	
43	1	20 7443	
44	1	20 7444	
45	1	20 7445	
46	1	20 7446	
48	1	20 7448	
50	1	20 7450	
51	1	20 7451	
52	1	20 7452	
54	1	20 7454	
55	1	20 7455	
57	1	20 7457	
59	1	20 7459	
60	1	20 7460	
64	1	20 7464	
65	1	20 7465	
67	1	20 7467	
68	1	20 7468	
70	1	20 7470	
73	1	20 7473	
75	1	20 7475	
76	1	20 7476	
79	1	20 7479	
83	1	20 7483	
86	1	20 7486	
89	1	20 7489	
92	1	20 7492	
95	1	20 7495	
98	1	20 7498	
100	1	20 7500	
102	1	20 7502	
105	1	20 7505	
111	1	20 7511	
114	1	20 7514	
121	1	20 7521	
127	1	20 7527	
140	1	20 7540	
146	1	20 7546	
152	1	20 7552	



Hole saws for switch boxes

complete with drive arbor (order number 20 7584), guide drill bit and push-out spring.

68 1 20 7562

additionally with edge countersinker (order number 20 7598)

68 1 20 7563



Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
Drive arbors			
complete with guide drill bit order number 20 7590 and male thread, suitable for all HSS bi-metal hole saws 9.5 mm hexagonal bar, without driver			
for hole saws 14 - 30 mm ø	1	20 7580	1
for hole saws 32 - 152 mm ø	1	20 7581	2
11 mm hexagonal bar, with driver for hole saws 32 - 152 mm ø	1	20 7584	3



11 mm hexagonal bar, with driver and internal counternut for hole saws 32 - 152 mm ø	1	20 7586
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SDS receiver, without driver for hole saws 14 - 30 mm ø	1	20 7588
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SDS receiver, with driver for hole saws 32 - 152 mm ø	1	20 7589
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HSS center drill

for drive arbors order numbers 20 7580, 20 7581, 20 7584, 20 7586, 20 7588 and 20 7589

6.35 mm ø - 70 mm in length	1	20 7590
6.35 mm ø - 115 mm in length	1	20 7592

Push-out spring

suitable from 52 mm ø

	1	20 7596
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Edge countersinker

for HSS bi-metal hole saws with 68 mm ø, with two specially-hardened cutting teeth

	1	20 7598
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HSS bi-metal – hole saw assortments

ELEKTRO-TOP with edge countersinker

Contents: One hole saw each in sizes 35 mm, 68 mm, 75 mm ø

Edge countersinker for 68 mm ø, with two specially-hardened cutting teeth.

Receiver shaft with two driver pins No. 20 7584

HSS guide drill bit, 6.35 mm ø, length 70 mm

Push-out spring (for all saws from 52 mm ø)

Comprehensive drilling instructions, supplied in shock-proof plastic box

	1	20 7400
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ELEKTRO METRIC

with 6 hole saws for the drilling of through-holes for metric screwed cable glands

Receiver shafts with HSS guide drill bit, (order number 20 7580 and 20 7584)

Hole saw ø mm

20	20 7420
25	20 7425
32	20 7432
40	20 7440
50	20 7450
64	20 7464

	1	20 7573
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Socket cutter

hole saw with metal body, 6 mm ø receiver shaft, induction-hardened saw tips, cutting depth 19 mm

7 saw attachments 25 (1") - 32 (1 1/4") - 38 (1 1/2") - 44 (1 3/4") - 51 (2") - 57 (2 1/4") - 63 (2 1/2") mm ø

for wood and rigips	1	12 0882
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Design	Size/mm	PU	Article no.
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cimco®

	Design	Size/mm	PU	Article no.
Hard metal hole saws				
for the rational drilling of: sheetrock boards, Ytong stone, aerated concrete, wood, chipboard, plywood, hard cardboard, PVC, plastic coated boards, glass fibre boards				
Saw length: 66 mm, max. drilling depth: 58 mm, M 16 receiver thread, for hole saws				
1	ø mm			
2	35	1	20 7714	
3	68	1	20 7728	
4	71	1	20 7730	
5	74	1	20 7732	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
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21				
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23				
24				
25				
26				

Design**Size/mm****PU****Article no.****cimco®**

Design	Size/mm	PU	Article no.
Diamond core drill bit			
complete with drive arbors and HM centring drill with drive arbor (order number 20 7384)			
Hexagonal size 12	ø 68	1	20 7378
	ø 82	1	20 7379
with drive arbor (order number 20 7385)			
SDS receiver system	ø 68	1	20 7388
	ø 82	1	20 7389



Engineer's file assortment, 5 piece

with cross cut, cut 2 (medium-fine), length 200 mm, with wooden grip, suitable for metal as well as wood and plastic

1 unit each □ △ □ △ ○ 1 20 6806



NEW

Engineer's files

according to DIN 7261, without grip

Shape A, flat hand □

Cut 1	150	10	20 6502
	200	10	20 6503
	250	10	20 6504
	300	5	20 6505
Cut 2	150	10	20 6512
	200	10	20 6513
	250	10	20 6514
	300	5	20 6515
Cut 3	150	10	20 6522
	200	10	20 6523
	250	10	20 6524
	300	5	20 6525

Shape C, triangular △

Cut 1	150	10	20 6532
	200	10	20 6533
	250	5	20 6534
	300	5	20 6535
Cut 2	150	10	20 6542
	200	10	20 6543
	250	5	20 6544
	300	5	20 6545
Cut 3	150	10	20 6552
	200	10	20 6553
	250	5	20 6554
	300	5	20 6555

Shape D, square □

Cut 1	150	10	20 6561
	200	10	20 6562
	250	10	20 6563
	300	5	20 6564
Cut 2	150	10	20 6571
	200	10	20 6572
	250	10	20 6573
	300	5	20 6574
Cut 3	150	10	20 6581
	200	10	20 6582
	250	10	20 6583
	300	5	20 6584



Design	Size/mm	PU	Article no.
cimco®			

Design	Size/mm	PU	Article no.
Engineer's files			
according to DIN 7261, without grip			
Shape E, semi-circular			
Cut 1	150	10	20 6592
	200	10	20 6593
	250	10	20 6594
	300	5	20 6595
Cut 2	150	10	20 6602
	200	10	20 6603
	250	10	20 6604
	300	5	20 6605
Cut 3	150	10	20 6612
	200	10	20 6613
	250	10	20 6614
	300	5	20 6615
Shape F, round			
Cut 1	150	10	20 6622
	200	10	20 6623
	250	10	20 6624
	300	5	20 6625
Cut 2	150	10	20 6632
	200	10	20 6633
	250	10	20 6634
	300	5	20 6635
Cut 3	150	10	20 6642
	200	10	20 6643
	250	10	20 6644
	300	5	20 6645
Rasps			
without grip			
Cut 1	250	1	20 6701
Cut 2	250	1	20 6711
File grips			
according to DIN ISO 395, manufactured from beech wood			
for files mm			
up to 100	80	20	20 6850
up to 125	100	20	20 6852
up to 200	120	20	20 6854
up to 300	140	20	20 6856
up to 350	160	20	20 6857
Key file assortment			
6 files with wooden grip, according to DIN 7283, shape A - B - C - D - E - F, length 100 mm			
supplied in a plastic bag			
	□ △ □ ○	10	20 6750
File brush			
for the cleaning of wood and metal files. With stable beech wood carrier and steel edging.			
Working surface 115 mm x 40 mm	250	12	14 1325
Contact files			
6 units in self-service tear-off bag			
Length 160 mm		1 set	20 6760
Contact brush			
contact brush or spark plug brush with 0.15 mm ø curved brass edging and stable beech wood handles.			
Double-row	100	12	14 1320

Design	Size/mm	PU	Article no.
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Design	Size/mm	PU	Article no.
Universal deburrer			
for all deburring works on drill holes as well as on straight, convex and concave edges (e.g. pipe inner and -outer edges), aluminium handle, interchangeable, hardened blade			
1		20 8500	



1

Jigsaw blades manufactured from CrV steel

self-service packaged, for wood, plastic up to 60 mm,

for AEG - Bosch - Metabo - machines 5 20 8506

for Black + Decker - Skil - Fein - machines 5 20 8507



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Jigsaw blades manufactured from HSS bi-metal

self-service packaged, for soft steel, aluminium, non-ferrous metal, stainless steel metal up to 4 mm

for AEG - Bosch - Metabo - machines 5 20 8522

for Black + Decker - Skil - Fein - machines 5 20 8523

Design	Size/mm	PU	Article no.	cimco®
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NEW

SCREW PUNCHERS, PLATE PUNCHERS

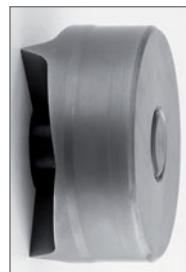
First class

- 100 % Made in Germany
- All tools made of particularly robust special steel for a long working life



Well planned

- Special cutting geometry for light first cut and speedy punching
- Less force required due to tapered, relieved blades
- Die with crosshairs for improved positioning



Innovative

- Round punches split scrap pieces into three parts
- Shaped punches have lateral ejectors for the scrap parts



Practical

- For manual and hydraulic use
- All tools and accessory parts can be ordered individually - no packaged units
- All punching tools are 100 % compatible with the systems of other manufacturers
- Special punches can be produced at short notice if dimensions are given



cimco®

Round screw puncher BASIC

suitable for: steel sheets (ST 37), plastic and aluminium. Operation: manual and hydraulic

Design: includes punch, die and tension bolt with ball bearing (encapsulated)

Nominal size PG	Nominal size metric	Hole ø mm	Bolt Size mm	Pre-drill ø mm	max. Material thickness mm	
	16	16.2	9.5 x 50.0	11.0	2.0	1 13 2300
13	20	20.4	9.5 x 50.0	11.0	2.0	1 13 2302
	25	25.4	9.5 x 50.0	11.0	2.0	1 13 2304
	32	32.5	9.5 x 50.0	11.0	2.0	1 13 2306
	40	40.5	19.0 x 55.0	20.4*	3.0	1 13 2308
	50	50.5	19.0 x 75.0	20.4*	3.0	1 13 2310
	63	63.5	19.0 x 75.0	20.4*	3.0	1 13 2312



* 1. Pre-drill: Ø 11.0 mm 2. Pre-punch: Ø 20.4 mm

Nominal size PG	Nominal size metric	Hole ø mm	Bolt Size mm	Pre-drill ø mm	max. Material thickness mm	
	9	15.2	9.5 x 50.0	11.0	2.0	1 13 2318
11		18.6	9.5 x 50.0	11.0	2.0	1 13 2320
13	20	20.4	9.5 x 50.0	11.0	2.0	1 13 2302
16		22.5	9.5 x 50.0	11.0	2.0	1 13 2324
21		28.3	9.5 x 50.0	11.0	2.0	1 13 2326
29		37.0	19.0 x 55.0	20.4*	3.0	1 13 2328
36		47.0	19.0 x 75.0	20.4*	3.0	1 13 2330
42		54.0	19.0 x 75.0	20.4*	3.0	1 13 2332
48		60.0	19.0 x 75.0	20.4*	3.0	1 13 2334

* 1. Pre-drill: Ø 11.0 mm 2. Pre-punch: Ø 20.4 mm

Nominal size Inch	Hole ø mm	Screw Size mm	Pre-drill ø mm	max. Material thickness mm	
1-7 / 32"	30.5	9.5 x 50.0	11.0	2.0	1 13 2336
1-7 / 32"	68.0	19.0 x 75.0	20.4*	3.0	1 13 2338
2-3 / 4"	70.0	19.0 x 75.0	20.4*	3.0	1 13 2340
3"	76.2	19.0 x 75.0	20.4*	3.0	1 13 2342
3-1 / 8"	80.0	19.0 x 75.0	20.4*	3.0	1 13 2344
	82.0	19.0 x 75.0	20.4*	3.0	1 13 2346

* 1. Pre-drill: Ø 11.0 mm 2. Pre-punch: Ø 20.4 mm

Screw puncher accessories BASIC

for bolt size 9.5 mm x 50 mm	Size mm	
Tension bolt with ball bearing	9.5 x 50.0	1 13 5000
Hydraulic bolt	19.0 / 9.5	1 13 5002
Punch (with 9.5 mm thread)	15.2	1 13 2354
	16.2	1 13 2356
	18.6	1 13 2358
	20.4	1 13 2360
	22.5	1 13 2362
	25.4	1 13 2364
	28.3	1 13 2366
	30.5	1 13 2368
	32.5	1 13 2370
Die (for 9.5 mm bolt)	15.2	1 13 2374
	16.2	1 13 2376
	18.6	1 13 2378
	20.4	1 13 2380
	22.5	1 13 2382
	25.4	1 13 2384
	28.3	1 13 2386
	30.5	1 13 2388
	32.5	1 13 2390



Screw puncher accessories BASIC

for bolt size 19 mm x 55 mm	Size mm	.	.
Tension bolt with ball bearing	19.0 x 55.0	1	13 5004
Hydraulic bolt	19.0 x 120.0	1	13 5006
Punch (with 19 mm thread)	37.0	1	13 2396
	40.5	1	13 2398
Die (for 19 mm bolt)	37.0	1	13 2400
	40.5	1	13 2402
for bolt size 19 mm x 75 mm	Size mm	.	.
Tension bolt with ball bearing	19.0 x 75.0	1	13 5008
Hydraulic bolt	19.0 x 120.0	1	13 5006
Punch (with 19 mm thread)	47.0	1	13 2408
	50.5	1	13 2410
	54.0	1	13 2412
	60.0	1	13 2414
	63.5	1	13 2416
	68.0	1	13 2418
	70.0	1	13 2420
	76.2	1	13 2424
	80.0	1	13 2426
	82.0	1	13 2428
Die (for 19 mm bolt)	47.0	1	13 2430
	50.5	1	13 2432
	54.0	1	13 2434
	60.0	1	13 2436
	63.5	1	13 2438
	68.0	1	13 2440
	70.0	1	13 2442
	76.2	1	13 2446
	80.0	1	13 2448
	82.0	1	13 2450

**Screw puncher DIAMANT**

innovative splitting punch with three cutting tips: punched waste is split into three parts.

Suitable for: steel sheets (ST 37), plastic and aluminium. Operation: manual and hydraulic

Design: includes punch, die and tension bolt with ball bearing (encapsulated)



Nominal dimensions PG	Nominal dimensions metric	Hole ø mm	Bolt Size mm	Pre-drill ø mm	max. Material thickness mm	
	12	12.5	6.0 x 40.0	6.5	1.5	1 13 2500
	16	16.2	9.5 x 50.0	10.0	2.0	1 13 2502
13	20	20.4	9.5 x 50.0	10.0	2.0	1 13 2504
	25	25.4	9.5 x 50.0	10.0	2.0	1 13 2506
	32	32.5	19.0 x 55.0	20.4*	3.0	1 13 2508
	40	40.5	19.0 x 75.0	20.4*	3.0	1 13 2510
	50	50.5	19.0 x 75.0	20.4*	3.0	1 13 2512
	63	63.5	19.0 x 75.0	20.4*	3.0	1 13 2514

* 1. Pre-drill: Ø 11.0 mm 2. Pre-punch: Ø 20.4 mm



Nominal dimensions PG	Nominal dimensions metric	Hole ø mm	Bolt Size mm	Pre-drill ø mm	max. Material thickness mm	
9		15.2	9.5 x 50.0	10.0	2.0	1 13 2518
11		18.6	9.5 x 50.0	10.0	2.0	1 13 2520
13	20	20.4	9.5 x 50.0	10.0	2.0	1 13 2504
16		22.5	9.5 x 50.0	10.0	2.0	1 13 2524
21		28.3	9.5 x 50.0	10.0	2.0	1 13 2526
29		37.0	19.0 x 55.0	20.4*	3.0	1 13 2528
36		47.0	19.0 x 75.0	20.4*	3.0	1 13 2530
42		54.0	19.0 x 75.0	20.4*	3.0	1 13 2532
48		60.0	19.0 x 75.0	20.4*	3.0	1 13 2534

* 1. Pre-drill: Ø 11.0 mm 2. Pre-punch: Ø 20.4 mm

Nominal size Inch	Hole ø mm	Screw Size mm	Pre-drill ø mm	max. Material thickness mm	
1-7/32"	30.5	9.5 x 50.0	10.0	2.0	1 13 2536



Screw puncher accessories DIAMANT

		Size mm		
for bolt size 6.0 mm x 40 mm				
Tension bolt with ball bearing	6.0 x 40	1	13 5010	1
Hydraulic bolt, complete	19.0 / 6.0	1	13 5012	2
Punch (with 6.0 mm thread)	12.5	1	13 2542	3
Die (for 6.0 mm bolt)	12.5	1	13 2544	4
for bolt size 9.5 mm x 50 mm				
Tension bolt with ball bearing	9.5 x 50	1	13 5000	5
Hydraulic bolt	19.0 / 9.5	1	13 5002	6
Punch (with 9.5 mm thread)	15.2	1	13 2550	7
	16.2	1	13 2552	8
	18.6	1	13 2554	9
	20.4	1	13 2556	10
	22.5	1	13 2558	11
	25.4	1	13 2560	12
	28.3	1	13 2562	13
	30.5	1	13 2564	14
Die (for 9.5 mm bolt)	15.2	1	13 2566	15
	16.2	1	13 2568	16
	18.6	1	13 2570	17
	20.4	1	13 2572	18
	22.5	1	13 2574	19
	25.4	1	13 2576	20
	28.3	1	13 2578	21
	30.5	1	13 2580	22
for bolt size 19 mm x 55 mm				
Tension bolt with ball bearing	19.0 x 55.0	1	13 5004	23
Hydraulic bolt	19.0 x 120.0	1	13 5006	24
Punch (with 19 mm thread)	32.5	1	13 2586	25
	37.0	1	13 2588	26
Die (for 19 mm bolt)	32.5	1	13 2590	27
	37.0	1	13 2592	28
for bolt size 19 mm x 75 mm				
Tension bolt with ball bearing	19 x 75	1	13 5008	29
Hydraulic bolt	19 x 120	1	13 5006	30
Punch (with 19 mm thread)	40.5	1	13 2598	31
	47.0	1	13 2600	32
	50.5	1	13 2602	33
	54.0	1	13 2604	34
	60.0	1	13 2606	35
	63.5	1	13 2608	36
Die (for 19 mm bolt)	40.5	1	13 2610	37
	47.0	1	13 2612	38
	50.5	1	13 2614	39
	54.0	1	13 2616	40
	60.0	1	13 2618	41
	63.5	1	13 2620	42



Screw puncher DIAMANT - VA

innovative splitting punch with three cutting tips: punched waste is split into three parts.

Suitable for: stainless steel (VA steel), steel sheets (ST 37), plastic and aluminium. Operation: manual and hydraulic
(We recommend use of hydraulic unit.). Design: with splitting punch, die, without tension bolt

Nominal size	Nominal size	Hole ø	Bolt	Pre-drill ø	max. Material thickness mm	
PG	metric	mm	Size mm	mm	mm	
13	16	16.2	11.1 x 60.0	11.5	2.5	1 13 2700
	20	20.4	11.1 x 60.0	11.5	2.5	1 13 2702
	25	25.4	11.1 x 60.0	11.5	2.5	1 13 2704
	32	32.5	19.0 x 55.0	20.4*	3.5	1 13 2706
	40	40.5	19.0 x 75.0	20.4*	3.5	1 13 2708
	50	50.5	19.0 x 75.0	20.4*	3.5	1 13 2710
	63	63.5	19.0 x 75.0	20.4*	3.5	1 13 2712

* 1. Pre-drill: Ø 11.0 mm 2. Pre-punch: Ø 20.4 mm





PU Article no.

1	Nominal size PG	Nominal size metric	Hole ø mm	Bolt Size mm	Pre-drill ø mm	max. Material thickness mm	.
9		15.2	11.1 x 60.0	11.5	2.5	1	13 2714
11		18.6	11.1 x 60.0	11.5	2.5	1	13 2716
13	20	20.4	11.1 x 60.0	11.5	2.5	1	13 2702
16		22.5	11.1 x 60.0	11.5	2.5	1	13 2720
21		28.3	19.0 x 55.0	20.4*	3.5	1	13 2722
29		37.0	19.0 x 55.0	20.4*	3.5	1	13 2724
36		47.0	19.0 x 75.0	20.4*	3.5	1	13 2726
42		54.0	19.0 x 75.0	20.4*	3.5	1	13 2728
48		60.0	19.0 x 75.0	20.4*	3.5	1	13 2730

* 1. Pre-drill: Ø 11.0 mm 2. Pre-punch: Ø 20.4 mm

6	Nominal size Inch	Hole ø mm	Screw Size mm	Pre-drill ø mm	max. Material thickness mm	.	
7	1-7/32"	30.5	19 x 55	20.4*	3.5	1	13 2732

* 1. Pre-drill: Ø 11.0 mm 2. Pre-punch: Ø 20.4 mm

Screw puncher accessories DIAMANT - VA

for bolt size 11.1 mm x 60 mm Size mm .

Tension bolt with ball bearing	11.1 x 60.0	1	13 5014
Hydraulic bolt, complete	19.0 / 11.1	1	13 5016
Punch (with 11.1 mm thread)	15.2	1	13 2734
	16.2	1	13 2736
	18.6	1	13 2738
	20.4	1	13 2740
	22.5	1	13 2742
	25.4	1	13 2744
Die (for 11.1 mm bolt)	15.2	1	13 2746
	16.2	1	13 2748
	18.6	1	13 2750
	20.4	1	13 2752
	22.5	1	13 2754
	25.4	1	13 2756



for bolt size 19 mm x 55 mm Size mm .

Tension bolt with ball bearing	19.0 x 55.0	1	13 5004
Hydraulic bolt	19.0 x 120.0	1	13 5006
Punch (with 19 mm thread)	28.3	1	13 2758
	30.5	1	13 2760
	32.5	1	13 2762
	37.0	1	13 2764
Die (for 19 mm bolt)	28.3	1	13 2766
	30.5	1	13 2768
	32.5	1	13 2770
	37.0	1	13 2772



for bolt size 19 mm x 75 mm Size mm .

Tension bolt with ball bearing	19.0 x 75.0	1	13 5008
Hydraulic bolt	19.0 x 120.0	1	13 5006
Punch (with 19 mm thread)	40.5	1	13 2774
	47.0	1	13 2776
	50.5	1	13 2778
	54.0	1	13 2780
	60.0	1	13 2782
	63.5	1	13 2784
Die (for 19 mm bolt)	40.5	1	13 2786
	47.0	1	13 2788
	50.5	1	13 2790
	54.0	1	13 2792
	60.0	1	13 2794
	63.5	1	13 2796



PU Article no.

cimco®



Screw puncher DIAMANT sets

options with five or seven different sizes.

Suitable for: steel sheets (ST 37), plastic and aluminium. Operation: manual and hydraulic

Design: consists of splitting punches and dies. Storage: in practical, robust plastic case

Design Nominal size max. Material thickness mm
metric mm

16	2.0
20	2.0
25	2.0
32	2.0
40	3.0

5-piece 1 13 3000

16	2.0
20	2.0
25	2.0
32	2.0
40	3.0
50	3.0
63	3.0

1 13 3000



7-piece 1 13 3002

Additional equipment: tension bolt with ball bearing (encapsulated), pre-drill and assembly paste

Design Nominal size max. Material thickness mm
metric mm

12	1.5
16	2.0
20	2.0
25	2.0
32	2.0
40	3.0

11-piece 1 13 3008

16	2.0
20	2.0
25	2.0
32	2.0
40	3.0
50	3.0
63	3.0

1 13 3008



13-piece 1 13 3010

Screw puncher DIAMANT sets

12-piece screw punch sets including hand-held punch and accessories. Options: with straight hand-held punch or 90° angled hand-held punch.

Suitable for: steel sheets (ST 37), plastic and aluminium. Operation: hydraulic

Design: consists of five splitting punches and dies per set; hydraulic bolts (2 items), pre-drill and spacer sleeve set (3 pieces). Storage: in practical, robust plastic case

Contains straight hydraulic hand-held punch

Design Nominal size max. Material thickness mm

16	2.0
20	2.0
25	2.0
32	2.0
40	3.0

12-piece 1 13 3012

Contains 90° angled hand-held punch, can be rotated 360°

Design Nominal size max. Material thickness mm

16	2.0
20	2.0
25	2.0
32	2.0
40	3.0

12-piece 1 13 3014





Screw puncher set, 12-piece accessories

Individual parts	Sizes mm	.	.
Hydraulic bolt, complete	19.0 / 9.5	1	13 5002
Hydraulic bolt	19.0 x 120.0	1	13 5006
Spacer sleeve set (3 piece)		1	13 5072
Pre-drill	10.0	1	13 4026

Screw puncher DIAMANT - VA sets

screw puncher sets consisting of splitting punches and dies: options for five or seven different sizes.

Suitable for: stainless steel (VA steel), steel sheets (ST 37), plastic and aluminium. Operation: manual and hydraulic (we recommend the use of a hydraulic unit.)

Design: consists of splitting punches and dies. Storage: in practical, robust plastic case

Design	Nominal size	max. Material thickness mm	.	.
	metric mm		.	.
	16	2.5		
	20	2.5		
	25	2.5		
	32	3.5		
	40	3.5		
5-piece			1	13 3004
	16	2.5		
	20	2.5		
	25	2.5		
	32	3.5		
	40	3.5		
	50	3.5		
	63	3.5		
7-piece			1	13 3006



12-piece screw puncher sets including hand-held punch and accessories. Options: with straight hand-held punch or 90° angled hand-held punch.

Suitable for: stainless steel (VA steel), steel sheets (ST 37), plastic and aluminium. Operation: hydraulic

Design: consists of five splitting punches and dies per set; hydraulic bolts (2 items), pre-drill and spacer sleeve set (3 pieces). Storage: in practical, robust plastic case

Contains straight hydraulic hand-held punch:

Design	Nominal size	max. Material thickness mm	.	.
	metric mm		.	.
	16	2.5		
	20	2.5		
	25	2.5		
	32	3.5		
	40	3.5		

12-piece	1	13 3016
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Contains 90° angled hand-held punch, can be rotated 360°

Design	Nominal size	max. Material thickness mm	.	.
	metric mm		.	.
	16	2.5		
	20	2.5		
	25	2.5		
	32	3.5		
	40	3.5		

12-piece	1	13 3018
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Screw puncher set, 12-piece accessories

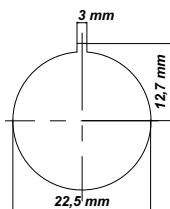
Individual parts	Sizes mm	.	.
Hydraulic bolt, complete	19.0 / 11.1	1	13 5016
Hydraulic bolt	19.0 x 120.0	1	13 5006
Spacer sleeve set (3 piece)		1	13 5072
Pre-drill	11.5	1	13 4030





Round and groove screw puncher

patented die: with lateral scrap part ejector. Hole punching with 3 mm stud: for anti-rotation locking of pushbuttons and switches. Suitable for: steel sheets (ST 37), plastic and aluminium. Operation: manual and hydraulic. Design: with punch, die, tension bolt with ball bearing (encapsulated), counter nut and adapter for hydraulic operation. Storage: in practical, robust plastic case



Nominal size Ø	Pre-drilling Ø mm	max. Material thickness mm		
22.5 mm with 3 mm stud	14.0	2.0	1	13 2800



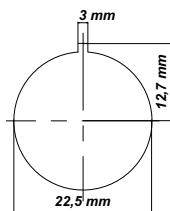
Round and groove screw puncher accessories

Individual parts	Sizes mm		
Tension bolt with ball bearing	1	13 5018	
Counter nut	1	13 5020	
Screw-down nut	1	13 5022	
Adapter for hydraulics	1	13 5024	
Punch	22.5 - 3.2 - 25.4	1	13 2802
Die	22.5 - 3.2 - 25.4	1	13 2804



Round and groove screw puncher VA

with scrap part lateral ejector, supplied in plastic case, suitable for hydraulic operation, stainless steel sheets (VA steel) and steel sheets (ST 37). Hole punching with one stud. For anti-rotation locking of pushbuttons and switches.



Nominal dimensions	Pre-drilling Ø mm	max. Material thickness mm		
22.5 mm with 3 mm stud	14.0	2.0	1	13 2801



Round and groove screw puncher VA accessories

Tension bolt with ball bearing	1	13 5018	
Counter nut	1	13 5020	
Screw-down nut	1	13 5022	
Adapter for hydraulics	1	13 5024	
Punch	22.5 - 3.2 - 25.4	1	13 2803
Die	22.5 - 3.2 - 25.4	1	13 2804

Rectangular screw puncher

patented die: with lateral scrap part ejector. Suitable for: steel sheets (ST 37), plastic and aluminium. Operation: manual and hydraulic. Design: with punch, die, tension bolt with ball bearing (encapsulated), counter nut and adapter for hydraulic operation. Storage: in practical, robust plastic case

Nominal size mm	Pre-drilling Ø mm	max. Material thickness mm		
17.0 x 19.0	14.0	2.0	1	13 2806
21.8 x 25.8	17.0	2.0	1	13 2808
22.0 x 30.0	17.0	2.0	1	13 2810
22.0 x 42.0	17.0	2.0	1	13 2811
25.0 x 50.0	17.0	2.0	1	13 2812



Rectangular screw puncher accessories

Individual parts	Sizes mm		
Tension bolt with ball bearing	1	13 5028	
Counter nut	1	13 5020	
Screw-down nut	1	13 5022	
Adapter for hydraulics	1	13 5024	
Punch	17.0 x 19.0	1	13 2818
Die	17.0 x 19.0	1	13 2828





Rectangular screw puncher accessories

Individual parts	Sizes mm	.	.	.
Tension bolt with ball bearing		1	13 5021	
Counter nut		1	13 5020	
Screw-down nut		1	13 5030	
Adapter for hydraulics		1	13 5032	
Punch	21.8 x 25.8	1	13 2820	
Punch	22.0 x 30.0	1	13 2822	
Punch	22.0 x 42.0	1	13 2824	
Die	21.8 x 25.8	1	13 2830	
Die	22.0 x 30.0	1	13 2832	
Die	22.0 x 42.0	1	13 2834	
Tension bolt with ball bearing		1	13 5021	
Counter nut		1	13 5046	
Screw-down nut		1	13 5030	
Adapter for hydraulics		1	13 5032	
Punch	25.0 x 50.0	1	13 2826	
Die	25.0 x 50.0	1	13 2836	



Rectangular screw puncher

patented die: with lateral scrap part ejector.

Suitable for: steel sheets (ST 37), plastic and aluminium. Operation: hydraulic

Design: with punch, die, hydraulic bolt and counter nut

Storage: in practical, robust plastic case

Nominal dimensions mm	Pre-drill Ø mm	max.Material thickness mm	.	.
45.0 x 92.0	24.0	2.0	1	13 2813
46.0 x 92.0	24.0	2.0	1	13 2814
68.0 x 138.0	30.0*	3.0	1	13 2816



*Only in combination with CIMCO article no. 13 4022

Rectangular screw puncher accessories

Individual parts	Sizes mm	.	.	.
Hydraulic bolt		1	13 5034	
Counter nut		1	13 5036	
Punch	45.0 x 92.0	1	13 2837	
Punch	46.0 x 92.0	1	13 2838	
Die	45.0 x 92.0	1	13 2841	
Die	46.0 x 92.0	1	13 2842	
Hydraulic bolt		1	13 5038	
Counter nut		1	13 5040	
Punch	68.0 x 138.0	1	13 2840	
Die	68.0 x 138.0	1	13 2844	



Square screw puncher

patented die: with lateral scrap part ejector.

Suitable for: steel sheets (ST 37), plastic and aluminium. Operation: manual and hydraulic

Design: with punch, die, tension bolt with ball bearing (encapsulated), counter nut and adapter for hydraulic operation. Storage: in practical, robust plastic case

Nominal size mm	Pre-drill Ø mm	max.Material thickness mm	.	.
12.7 x 12.7	10.0	1.75	1	13 2846
15.8 x 15.8	10.0	1.75	1	13 2848
19.0 x 19.0	14.0	2.00	1	13 2850
22.2 x 22.2	14.0	2.00	1	13 2852
24.0 x 24.0	14.0	2.00	1	13 2854
25.4 x 25.4	17.0	2.00	1	13 2856





Square screw puncher accessories

Individual parts	Sizes mm		
Tension bolt with ball bearing	1	13 5042	1
Counter nut	1	13 5044	2
Screw-down nut	1	13 5022	3
Adapter for hydraulics	1	13 5024	4
Punch	12.7 x 12.7	1	13 2872
Punch	15.8 x 15.8	1	13 2874
Die	12.7 x 12.7	1	13 2884
Die	15.8 x 15.8	1	13 2886
Tension bolt with ball bearing	1	13 5028	5
Counter nut	1	13 5020	6
Screw-down nut	1	13 5022	7
Adapter for hydraulics	1	13 5024	8
Punch	19.0 x 19.0	1	13 2876
Punch	22.2 x 22.2	1	13 2878
Punch	24.0 x 24.0	1	13 2880
Die	19.0 x 19.0	1	13 2888
Die	22.2 x 22.2	1	13 2890
Die	24.0 x 24.0	1	13 2892
Tension bolt with ball bearing	1	13 5021	10
Counter nut	1	13 5020	11
Screw-down nut	1	13 5030	12
Adapter for hydraulics	1	13 5032	13
Punch	25.4 x 25.4	1	13 2882
Die	25.4 x 25.4	1	13 2894



Square screw puncher

patented die: with lateral scrap part ejector.

Suitable for: steel sheets (ST 37), plastic and aluminium. Operation: hydraulic. Design: with punch, die, hydraulic bolt and counter nut. Storage: in practical, robust plastic case

Nominal dimensions mm	Pre-drill Ø mm	max. Material thickness mm	
45.5 x 45.5	20.0	3.0	1 13 2858
46.0 x 46.0	20.0	3.0	1 13 2860
50.8 x 50.8	24.0	3.0	1 13 2862
68.0 x 68.0	24.0	3.0	1 13 2864
92.0 x 92.0	30.0*	3.0	1 13 2866
125.0 x 125.0	30.0*	3.0	1 13 2868
138.0 x 138.0	30.0*	3.0	1 13 2870



*Only in combination with CIMCO article no. 13 4022

Square screw puncher accessories

Individual parts	Size mm		
Hydraulic bolt	1	13 5048	19
Counter nut	1	13 5050	20
Punch	45.5 x 45.5	1	13 2896
Punch	46.0 x 46.0	1	13 2898
Die	45.5 x 45.5	1	13 2910
Die	46.0 x 46.0	1	13 2912
Hydraulic bolt	1	13 5034	22
Counter nut	1	13 5050	23
Punch	50.8 x 50.8	1	13 2900
Die	50.8 x 50.8	1	13 2914
Hydraulic bolt	1	13 5034	24
Counter nut	1	13 5036	25
Punch	68.0 x 68.0	1	13 2902
Die	68.0 x 68.0	1	13 2916





1 Square screw puncher accessories

Individual parts	Sizes mm		
Hydraulic bolt		1	13 5038
Counter nut		1	13 5036
Punch	92.0 x 92.0	1	13 2904
Die	92.0 x 92.0	1	13 2918
Hydraulic bolt		1	13 5038
Counter nut		1	13 5054
Punch	125.0 x 125.0	1	13 2906
Punch	138.0 x 138.0	1	13 2908
Die	125.0 x 125.0	1	13 2920
Die	138.0 x 138.0	1	13 2922

2 Square screw puncher - VA

patented die: with lateral scrap part ejector.

Suitable for: stainless steel (VA steel) and steel sheets (ST 37). Operation: hydraulic. Design: with punch, die, hydraulic bolt and counter nut. Storage: in practical, robust plastic case

Nominal size mm	Pre-drill Ø mm	max. Material thickness mm		
46.0 x 46.0	20.0	2.0	1	13 2861
68.0 x 68.0	24.0	2.0	1	13 2865
92.0 x 92.0	30.0*	2.0	1	13 2867

*Only in combination with CIMCO article no. 13 4022



3 Square screw puncher VA accessories

Individual parts	Sizes mm		
Hydraulic bolt		1	13 5048
Counter nut		1	13 5050
Punch	46.0 x 46.0	1	13 2899
Die	46.0 x 46.0	1	13 2912
Hydraulic bolt		1	13 5034
Counter nut		1	13 5036
Punch	68.0 x 68.0	1	13 2903
Die	68.0 x 68.0	1	13 2916
Hydraulic bolt		1	13 5038
Counter nut		1	13 5036
Punch	92.0 x 92.0	1	13 2905
Die	92.0 x 92.0	1	13 2918



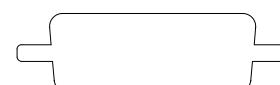
4 Screw puncher Sub-Min-D

patented die: with lateral scrap part ejector. Suitable for: steel sheets (ST 37) and stainless steel (VA steel).

Operation: manual and hydraulic. Design: for multiple plug-in connectors, with punch, die, tension bolt, counter nut, screw-down nut with ball bearing (encapsulated) and adapter for hydraulic operation

Storage: in practical, robust plastic case

No. of pins	Nominal size mm	Pre-drill Ø mm	max. Material thickness mm ST 37 / VA		
9	20.0 x 11.9	10.0	2.00 / 1.50	1	13 2924
15	28.6 x 11.9	10.0	2.00 / 1.50	1	13 2926
25	42.0 x 11.9	10.0	1.75 / 1.25	1	13 2928
37	58.3 x 11.9	10.0	1.75 / 1.25	1	13 2930
50	55.9 x 14.7	10.0	1.65 / 1.00	1	13 2932



5 Screw punch Sub-Min-D accessories

Individual parts	Sizes mm		
Tension bolt		1	13 5056
Counter nut		1	13 5058
Screw-down nut		1	13 5022
Adapter/hydraulics		1	13 5024
Punch	20.0 x 11.9	1	13 2934
Die	20.0 x 11.9	1	13 2944



Screw punch Sub-Min-D accessories

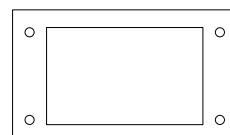
Individual parts	Sizes mm		
Tension bolt	1	13 5056	1
Counter nut	1	13 5060	2
Screw-down nut	1	13 5022	3
Adapter/hydraulics	1	13 5024	4
Punch	28.6 x 11.9	1	13 2936
Die	28.6 x 11.9	1	13 2946
			5
Tension bolt	1	13 5056	6
Counter nut	1	13 5062	7
Screw-down nut	1	13 5022	8
Adapter/hydraulics	1	13 5024	9
Punch	42.0 x 11.9	1	13 2938
Die	42.0 x 11.9	1	13 2948
			10
Tension bolt	1	13 5056	11
Counter nut	1	13 5064	12
Screw-down nut	1	13 5022	13
Adapter/hydraulics	1	13 5024	14
Punch	58.3 x 11.9	1	13 2940
Die	58.3 x 11.9	1	13 2950
			15
Tension bolt	1	13 5056	16
Counter nut	1	13 5066	17
Screw-down nut	1	13 5022	18
Adapter/hydraulics	1	13 5024	19
Punch	55.9 x 14.7	1	13 2942
Die	55.9 x 14.7	1	13 2952



Special screw puncher for heavy-duty plug-in connectors

patented die: with lateral scrap part ejector. Drilling position is marked out by the die using prick punches: prick punches can be exchanged using 2.5 mm hex keys or wound back.

There is therefore no need to mark out the centre marking. Suitable for: steel sheets (ST 37), plastic and aluminium. Operation: hydraulic. Design: with punch, die, hydraulic bolt and counter nut. Storage: in practical, robust plastic case



No. of pins	Nominal dimensions	Pre-drill Ø mm	max. Material thickness mm		
6	52.0 x 36.0	24.0	2.0	1	13 2954
10	65.0 x 36.0	24.0	2.0	1	13 2956
16	86.0 x 36.0	24.0	2.0	1	13 2958
24	112.0 x 36.0	24.0	2.0	1	13 2960



Special screw puncher accessories

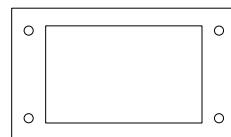
Individual parts	Sizes mm		
Hydraulic bolt	1	13 5034	1
Counter nut	1	13 5050	2
Punch	52.0 x 36.0	1	13 2962
Die	52.0 x 36.0	1	13 2970
			3
Hydraulic bolt	1	13 5034	4
Counter nut	1	13 5050	5
Punch	65.0 x 36.0	1	13 2964
Die	65.0 x 36.0	1	13 2972
			6
Hydraulic bolt	1	13 5034	7
Counter nut	1	13 5050	8
Punch	86.0 x 36.0	1	13 2966
Die	86.0 x 36.0	1	13 2974
			9
Hydraulic bolt	1	13 5034	10
Counter nut	1	13 5070	11
Punch	112.0 x 36.0	1	13 2968
Die	112.0 x 36.0	1	13 2976



1 Special screw puncher VA for heavy-duty plug-in connectors

patented die: with lateral scrap part ejector. Drilling position is marked out by the die using prick punches: prick punches can be exchanged using 2.5 mm hex keys or wound back. Therefore there is no need to mark out the centre marking. Suitable for: stainless steel (VA steel) and steel sheets (ST 37).

Operation: hydraulic. Design: with punch, die, hydraulic bolt and counter nut. Storage: in practical, robust plastic case



No.	Nominal size mm	Pre-drill Ø mm	max. Material thickness mm	Material	.
6	52.0 x 36.0	24.0	2.0	1	13 2980
10	65.0 x 36.0	24.0	2.0	1	13 2982
16	86.0 x 36.0	24.0	2.0	1	13 2984
24	112.0 x 36.0	24.0	2.0	1	13 2986



7 Special screw puncher VA accessories

Design	Size mm	.
Hydraulic bolt	1	13 5034
Counter nut	1	13 5050
Punch	52.0 x 360	1
Die	52.0 x 36.0	1
Hydraulic bolt	1	13 5034
Counter nut	1	13 5070
Punch	65.0 x 36.0	1
Die	65.0 x 36.0	1
Hydraulic bolt	1	13 5034
Counter nut	1	13 5050
Punch	86.0 x 36.0	1
Die	86.0 x 36.0	1
Hydraulic bolt	1	13 5038
Counter nut	1	13 5070
Punch	112.0 x 36.0	1
Die	112.0 x 36.0	1



15 Hydraulic battery-operated punch

practical hand-held hydraulic tool with high performance rechargeable 18 V battery, for round, rectangular and square punching in control cabinets and plant construction. With pressure relief valve, high-performance drive motor, high tensile strength aluminium head, weight including battery only 3.7 kg, ergonomically designed two-component handle, rechargeable battery packages can be inserted from either of two sides:



Battery insertion at the front
to ensure stable position



Battery insertion at the back
for space-saving operation



- Punching force: 70 kN with pressure relief valve
- Battery: charging time: 45 minutes after full discharge
- Charger: will charge all rechargeable 18 - 28 V batteries, compatible with NiCD, NiMH and Li-ion batteries,
- Automatic temperature monitoring, charge condition on LED display
- Supplied in robust plastic case: battery operated hand-held hydraulic unit, 18 V rechargeable batteries, charger 18-28 V, two hydraulic bolts, set of spacer sleeves (3 pieces), pre-drill 11.0 mm, operating instructions

Hydraulic battery-operated punch with accessories	1	13 4012
Rechargeable battery	1	13 4014

Hydraulic hand-held punches

practical hand-held punch for round, rectangular and square punching in control cabinets and plant construction.
 Pressure relief valve provides safety function: pressure switched off automatically at 650 bar.
 With pressure relief valve, made of high tensile strength aluminium (saving approx. 40 % in weight), ergonomic handle - springs back by itself, one-handed operation means easier positioning of the die in the crosshairs. Punching force: 75 kN with pressure relief valve, operating pressure max: 650 bar.

Hydraulic hand-held punch - straight design (1.6 kg)

1 13 4016



Hydraulic hand-held punch - angled 90°, can be rotated 360° (1.9 kg)

1 13 4018



Hydraulic punch with hand pump

ideal in restricted spaces, for round, rectangular and square punching in control cabinets and plant construction.
 Punching force: 75 kN with pressure relief valve
 Operating pressure max: 650 bar
 Weight: 2.0 kg
 Supplied in robust plastic case: hydraulic punch with hand pump, hydraulic cylinder, hydraulic 600 mm hose, two hydraulic bolts, spacer sleeve set (3 piece), HSS pre-drill 11.0 mm

Hydraulic punch with hand pump

1 13 4020



Hydraulic punch with foot pump

ideal in restricted spaces, for round, rectangular and square punching in control cabinets and plant construction.
 Keep both hands free for exact positioning and punching: splayed support stand ensures tip-proof operation
 Punching force: 75 kN with pressure relief valve
 Operating pressure max: 700 bar
 Tank volume: 270 cm³
 Usable oil volume: 210 cm³
 Flow rate: 1.7 cm³ per piston stroke
 Supplied in robust plastic case: foot pump, hydraulic cylinder with quick-fitting coupling, hydraulic hose 2.8 m, two hydraulic bolts, spacer sleeve set (5 piece), pre-drill 11.0 mm

Hydraulic punch with foot pump

1 13 4022



Hydraulic cylinder

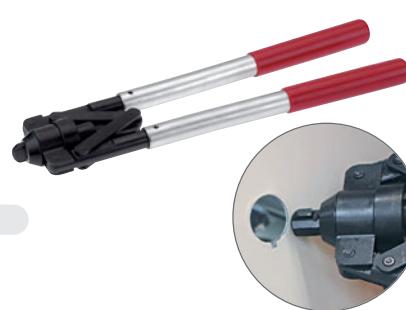
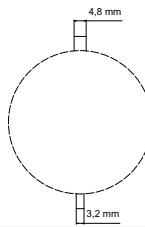
for all electric, foot and hand-operated pumps with quick-fitting coupling and a maximum output pressure of 700 bar.
 Compact construction, for punching round, rectangular and square holes as well as special shapes in stainless steel and steel sheets ST 37 (control cabinets and plant construction).
 Hydraulic cylinder with quick-fitting coupling (up to 115 kN), high tensile strength aluminium body, suitable for tension bolts with UNF thread, diameter 19.0 mm, drip-free coupling and uncoupling, easy operation, with dust protector cap, supplied in plastic case.

1 13 4023



Keyway pliers

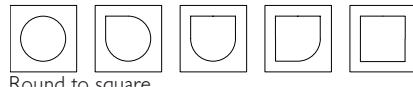
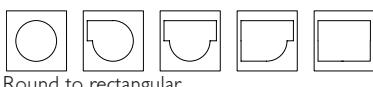
punch keyways quickly and easily in 2.0 mm steel sheets (ST 37), save time-consuming filing of grooves for anti-rotational locking, options for keyways in 3.2 mm and 4.8 mm size, exchangeable keyway punch, long operating life as punch and die are made of hardened tool steel, easy punching thanks to strong lever action, weight 1.3 kg



Keyway pliers	1	13 4000
Replacement punches in 3.2 mm and 4.8 mm	1	13 4002

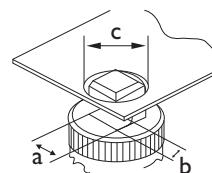
Nibbler

pre-punched round holes can easily and economically be converted to square or rectangular holes.
Particularly recommended for producing unusual dimensions (special shapes).



Material thickness: max. 2.0 mm ST 37

Dimensions:	a	b	c	Pre-punch
ASN 15	15.0	6.5	21.5	21.5 mm Ø
ASN 20	20.0	9.0	28.5	28.5 mm Ø



Nibbler ASN15	1	13 4004
Nibbler ASN20	1	13 4006
Replacement punch ASN15	1	13 4008
Replacement punch ASN20	1	13 4010

**Screw puncher centring ring**

made of plastic.

Ideal aid for tension bolts or hydraulic bolts in screw puncher systems. For use in oversized drill holes, for example in control cabinets to centre tension bolts (screw puncher).

The centring ring can be used with all known screw puncher designs that split the scrap part,
- including products from other manufacturers! Suitable for puncher systems that split into 2 or 3 pieces.

The ring size 3 is suitable for 19 mm connecting bolts (UNF3/4-16) both in manual and also
in hydraulic operation. The ring in size 3 can be used for a hole diameter of up to 28 mm
in the sheet to be processed.

The smallest hole diameter in which the ring will still link tool and work piece is 20.4 mm.

10 items	1	13 5080
100 items	1	13 5082

**Individual parts for manual operation**

bolts for steel sheets ST 37

Design	Size mm	PU	Article no.
Tension bolt with ball bearing (encapsulated)	6.0 x 40.0	1	13 5010
Tension bolt with ball bearing (encapsulated)	9.5 x 50.0	1	13 5000
Bolts for stainless steel and steel sheets ST 37			
Tension bolt with ball bearing (encapsulated)	19.0 x 55.0	1	13 5004
Tension bolt with ball bearing (encapsulated)	19.0 x 75.0	1	13 5008
Tension bolt with ball bearing	11.1 x 60.0	1	13 5014



Individual parts for hydraulic operation

Bolts for steel sheets ST 37

Hydraulic bolt, complete	19.0 / 9.5	1	13 5002
Hydraulic bolt 13 5002	9.5 x 75.0	1	13 5074
Adapter for hydraulic bolt 13 5002	19,0 x 38,0 (inside: 9,5)	1	13 5024
Hydraulic bolt	19,0 x 120,0	1	13 5006



Bolts for stainless steel

Hydraulic bolt, complete	19.0 / 11.1	1	13 5016
Hydraulic bolt 13 5016	11.1 x 75.0	1	13 5076
Adapter for hydraulic bolt 13 5016	19.0 x 38.0 (inside: 11.1)	1	13 5078
Hydraulic bolt	19.0 x 120.0	1	13 5006
Spacer sleeve set (3 piece)		1	13 5072
Hydraulic oil		1 litre	13 4024



General accessories

Pre-drill	10.0	1	13 4026
Pre-drill	11.0	1	13 4028
Pre-drill	11.5	1	13 4030
Step drill	M12, M16, M20, M25, M32, M40	1	13 4032
Assembly paste	120 g	1	13 4034



Special step drill for screw punching

HSS stepped drill for burr-free drilling of through borings for screw puncher tension bolts M 8 ($\frac{3}{8}$ "") – M 10 ($\frac{7}{16}$ "") – M 12 – M 16 – $\frac{3}{4}$ " – M 20 in material up to 4 mm thick. Suitable for use in hand-held and column drills, 9 drill steps in total, mounting shank (diameter 10 mm) with 3 parallel flats prevents slipping in the drill chuck.

1 20 1212



Cable duct cutter

for cutting burr-free lengths without wastage, for plastic ducts and covers, low force required for cutting, foldable, sprung blade protection, fastening lugs for workbench mounting, width of cutting blades up to 125 mm, laser engraved length stop up to 1000 mm

1 13 4036

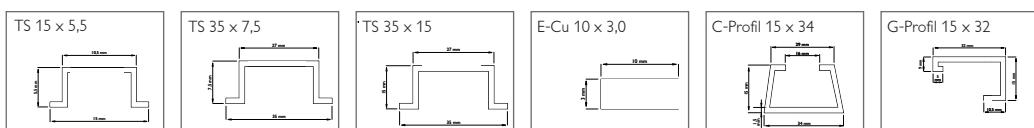


DIN profile cutter and punching tool

for cutting burr-free lengths without waste, for mounting rails, reduced force needed with reinforced eccentric, laser-engraved length stop up to 1000 mm, hand operation for length cutting and punching in lengthways and crossways mode

Profile equipment: TS 35x15 - TS 35x7.5 - TS 15x5.5 - E-Cu 10x3.0 - C 15x34 13 4038

Profile equipment: TS 35x15 - TS 35x7.5 - TS 15x5.5 - E-Cu 10x3.0 - G 15x32 13 4040



HAMMERS, CHISELS, SCRAPERS

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Head

Mechanical locking of hammer head by steel wedge, sealed with synthetic resin.



Safety sleeve

The hammer head has a forged-on protective shaft collar for extra stability and a nylon protective sleeve underneath for effective shock absorbance of missed strokes.

Shaft

Patented high-safety shaft in 3-component design: core of thick-walled aluminium tube in high-strength alloy, cover in waterproof nylon resistant to chemicals, grip in non-slip thermoplastic rubber.

Design	Size mm	PU	Article no.
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3-component engineer's - and sledgehammer

Ergonomic design, indestructible, vibration-free – low impact on the joints. Patented head with forged-on protective shaft collar in high-quality steel in accordance with DIN. 3-component high-safety shaft, patented, mechanically fixed by steel wedge for mechanical locking, core made of aluminium alloy. Nylon components are ultra resistant, including resistance to oil and solvents, grip and protective sleeve in thermo-plastic, non-slip rubber.

Engineer's hammer

Hammer weight g

300	6	13 0403
500	6	13 0405
1000	6	13 0410



Sledgehammer

Hammer weight g

800	6	13 0708
1000	6	13 0710
1250	6	13 0712
1500	6	13 0715



Safety engineer's hammer

dimensions and finish in accordance with DIN 1041, GS certified.

With forged-on protective shaft collar and additional protective nylon shaft sleeve.

With double curved hickory shaft, hammer head double secured by ring wedge and synthetic resin seal.

Hammer weight g

200	6	13 0580
300	6	13 0582
400	6	13 0584
500	6	13 0586
1000	6	13 0592



Safety sledgehammer

according to DIN 6475, otherwise finish as above

Hammer weight g

1000	6	13 0600
1250	6	13 0602
1500	6	13 0604



Engineer's hammer

according to DIN 1041, GS certified, with polished, curved ash shaft, hammer head secured by ring wedge.

Hammer weight g

300	12	13 0804
500	6	13 0808



Sledgehammer

according to DIN 6475, GS certified, with polished, curved ash shaft, hammer head secured by ring wedge.

Hammer weight g

1000	6	13 0880
1250	6	13 0882



Plastic hammer

with exchangeable Cellidor insets, for panel beating and straightening of metal sheets and frames or for use on sensitive surfaces (varnish, enamel, galvanised, chrome-plated)

Head 35 mm ø	6	13 1053
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Electrician chisel

in chrome vanadium steel

Cutting edge Steel thickness

width mm mm

10	8	250	10	13 0006
12	8	250	10	13 0008
15	10	250	10	13 0010



Design

Size mm

PU

Article no.

cimco®

	Design	Size mm	PU	Article no.	
1	Stone chisel				
	according to DIN 7254 A, made of chrome vanadium air hardening steel				
2	Cutting edge Steel thickness				
3	width mm mm				
4	26 20 x 12	250	10	13 0022	
5	29 23 x 13	300	10	13 0024	
6	Octagonal stone chisel				
7	according to DIN 7254 B, made of chrome vanadium air hardening steel				
8	Cutting edge Steel thickness				
9	width mm mm				
10	23 16	250	10	13 0032	
11	26 18	300	10	13 0034	
12	Octagonal pointed chisel				
13	according to DIN 7256, made of chrome vanadium air hardening steel				
14	Steel thickness mm				
15	16	250	10	13 0052	
16	18	300	10	13 0054	
17	Octagonal slot chisel				
18	made of chrome vanadium air hardening steel				
19	Cutting edge Steel thickness				
20	width mm mm				
21	30 18	240	10	13 0070	
22	Center punch				
23	for centring drill holes, according to DIN 7250, octagonal, made of chrome vanadium air-hardening steel				
24	Steel thickness mm				
25	10	120	10	13 0210	
26	Drift punch set with center punch				
	made of chrome vanadium air hardening steel, length 120 mm, in plastic container, for cutting through sheet metal and thin metals, pin punching and driving in nails				
	1 item each per set of 1 - 2 - 3 - 4 - 5 mm diameter, pointed punch 120 x 10 mm	120	1	13 0354	
	Pin punch				
	in chrome vanadium steel, length 150 mm, in plastic container, for driving out pins, locating pins and clips from drill holes				
	1 item each per set of 3-4-5-6-7-8 mm diameter	150	1	13 0358	
	Nail setter				
	in chrome molybdenum vanadium air hardening steel, completely hardened, head tempered. For setting steel nails with cylindrical shaft and thread (plug M6)				
	M 6	170	1	13 0075	
	Hand protection for nail setter				
	1	13 0076			
	Firmer chisel				
	according to DIN 5139, with bevelled sides, polished wood handle and cutting edge protector				
	Cutting edge width mm				
	10 245	1	13 0524		
	15 260	1	13 0530		
	20 270	1	13 0534		
	22 275	1	13 0536		
	26 275	1	13 0538		

	Design	Size mm	PU	Article no.	cimco®
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Design	Size mm	PU	Article no.
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Painter's spatulas

made of steel, ground blade, with oval wooden heft

Width mm

25	185	12	13 1322
40	185	12	13 1324
50	205	12	13 1326
60	205	12	13 1328



Double spatula

plastic covered handle

Width mm

20	225	10	13 1404
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Plasterer's spatulas

according to DIN 6441 C, with varnished wooden heft

Width mm

60	5	13 1420
70	5	13 1422



Plaster pan

made of sheet steel, hot-dip galvanised, with polished wooden handle

Height 75 mm	ø 180 mm	1	14 0302
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Plaster cup

made of soft rubber

Height 90 mm	ø 125 mm	1	14 0306
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Water brush

pure bristles

	ø 24 mm	36	14 0310
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Chalk line roller

with push system, storage for toothed hook and belt clip, metal body, length of string 15 m,

includes 60 g coloured powder

		1	14 0320
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Coloured powder, grease and oil-free, in plastic bottle

blue	100 g	1	14 0322
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Design

Size mm

PU

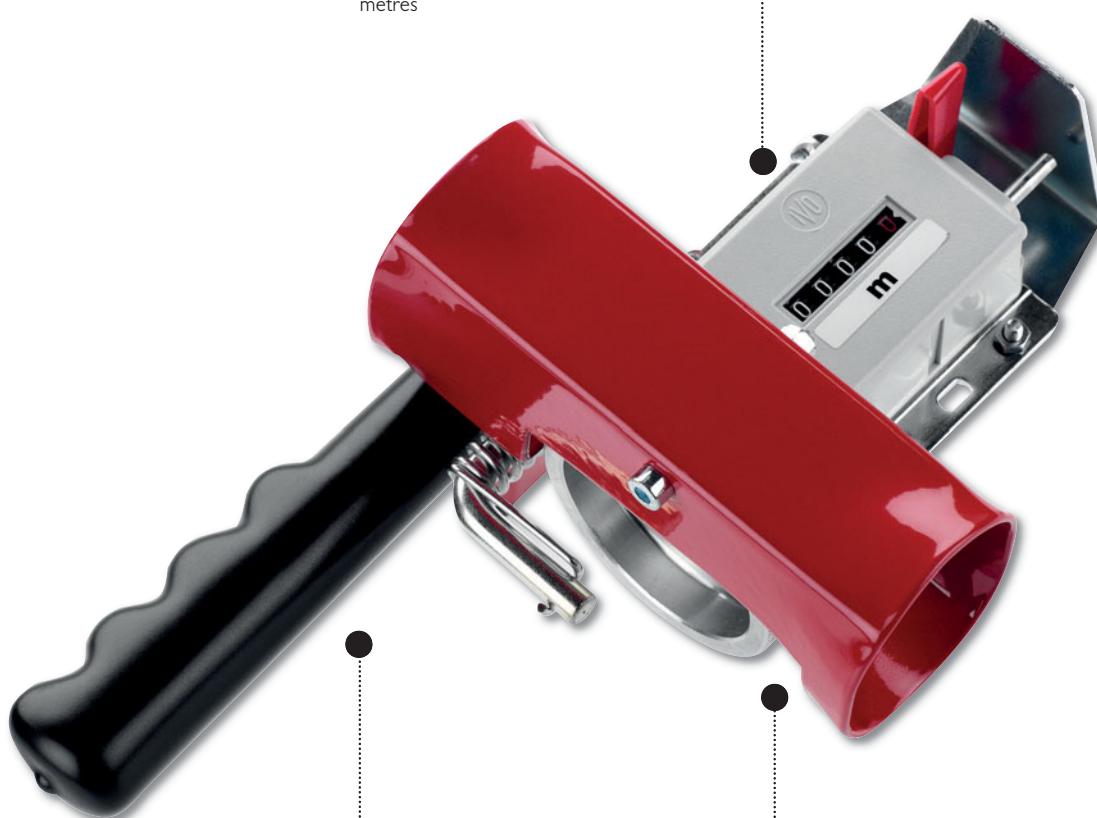
Article no.

MEASURING TOOLS

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Counter

German brand-name counter with high-precision measurement and a measurement range from 0 to 9999.9 metres



Handle

Screw-off handle for mobile use option on building sites, in warehouses, workshops etc.

Material

Straight-knurled aluminium measurement wheel and powder-coated, galvanised housing.



Design	Size mm	PU	Article no.
Electrician safety spirit level			
made of non-conducting, non-warping plastic, with 1 horizontal and 1 vertical bubble level			
400 mm	24 x 52 mm	1	21 1435
600 mm	24 x 52 mm	1	21 1436
800 mm	24 x 52 mm	1	21 1437



Cabinet spirit level

torpedo shaped, otherwise designed as above

250 mm	20 x 40 mm	1	21 1440
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Cabinet spirit level

torpedo shaped with magnetic clamp,
with horizontal, vertical and 45° bubble level

200 mm	15 x 38 mm	1	21 1442
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Marking spirit level for switch boxes

new, more robust design with rulers in anodised aluminium, with abrasion-resistant mm and cm scale and shock-absorbing plastic end caps, with 2 integral quality bubble levels in unbreakable acrylic glass with very high precision measurement, seal guaranteed for 30 years. The 4 adjustable sliders have been set into the aluminium profile to ensure more precise display of up to 5 drill holes in horizontal or vertical arrangement and to guarantee the pre-set distance. Ideal as a marking template for setting switch boxes, for assembling control cabinets, ductwork, washbasins, notices and much more.

800 mm	20 x 55 mm	1	21 1452
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Lightweight metal spirit level

anodised, with 1 horizontal and 1 vertical bubble level

400 mm	20 x 57 mm	1	21 1420
600 mm	20 x 57 mm	1	21 1422
800 mm	20 x 57 mm	1	21 1423
1000 mm	20 x 57 mm	1	21 1424



Folding ruler

10 sections, length 2 m, mm divisions on both sides

in plastic, highly elastic	10	21 0008
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in wood, with steel spring	10	21 0004
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Pocket tape measure (metal tape measure)

made of 19 mm wide spring band steel, enamelled yellow, in metric scale, easy running automatic measure return with strong stop key, unbreakable ABS housing in modern 2-component design with ergonomic soft rubber inset, with carrying clip

red	5 m	6	21 0065
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Fibre glass tape measure

13 mm wide, yellow, kink-proof unbreakable fibre glass tape measure, metric scale on one side
(metre and centimetre), EC type approval, accuracy class II, with plastic end hook, in closed round capsule
of impact-resistant plastic, with crank

20 m	1	21 0104
30 m	1	21 0106



Cable or wire gauge

according to Swiss standard (Dätwyler)

in nylon	95 x 35 x 3 mm	1	14 0120
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Design	Size mm	PU	Article no.
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Design	Size mm	PU	Article no.
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1 Hand-held cable length measuring tool

measuring tool for fast, exact determination of cable length, wide range of application for all types of cable and similar coiled products from 4 to 35 mm in diameter, automatic cable size adjustment by leaf clamp, German brand-name counter with high precision measurement, measurement range 0 to 9999.9 m, zero setting with reset toggle switch, knurled aluminium measurement wheel, screw-off handle for mobile use on building sites, in warehouses, workshops etc., with receiver shaft for stationary use in combination with all CIMCO-TROMMELFIX dispensing aids and the CIMCO connection frame

4 - 35 mm ø

1 14 2745



2 Electronic digital pocket vernier caliper

for measuring length, depth, external and internal diameter, rust-free, hardened finish, large LCD display, adjustable zero setting, conversion mm – inch, automatic display switch-off, with thumb roll for fine adjustment and fixing screw, includes batteries and instructions, in black plastic case

Reading

mm	inch
150 mm / 6"	1/100 1/2000"

1 21 0300



3 Precision pocket vernier caliper

in stainless steel, completely hardened, with measuring probes, depth measurement and thread table, with auto lock, in plastic pouch

Range Reading

mm	mm	inch
matt chrome 150	1/20	1/128"

10 21 0202



4 Marking gauge

made of steel, flat design, mm division

Range Reading

mm	mm
0-200	1/10
0-250	1/10

1 21 2000
1 21 2002



5 Bow compass

with square legs and box joint, tips hardened

Radius max. 235 mm 200 mm 1 21 2062



6 Scriber with hard metal tip

hard metal tip can be exchanged and retracted

150 mm 10 21 2100



loose hard metal tips

10 21 2102



7 Scriber with steel tips

corded holder, hardened tips can be screwed out, with straight and 90° angled tip

240 mm 10 21 2140



8 Cellugraph universal pencil

will write on all smooth surfaces (glass, tiles, metal etc.) and on foil and film, wipeable

black 240 mm 50 21 2168



9 Carpenter's pencil

for marking wood, metal and rubber

black 240 mm 100 21 2170



Design	Size mm	PU	Article no.
Sharpener			

for carpenter's pencils with oval (European) and flat oval shape; also for marking chalks

Ø mm
10 - 15

1 21 2179



1

Marking chalk

12 mm hexagonal, 115 mm long, hard, robust chalks for marking wood, metal, stone, cardboard, tiles, paper or similar.

red	12	21 2172
yellow	12	21 2173
blue	12	21 2176



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Chalk holder

with push-button chalk advance, octagonal, in black impact-proof polystyrene with metal pressure mechanism. For chalks 11 mm or 12 mm in diameter.

115 mm 10 21 2180



7
NEW

Deep hole marker – graphite / red / yellow

for marking, marking out and lettering even in places that are hard to access. Will write on almost all materials even on dusty, rough and oily surfaces. Can be wiped off with a damp cloth on smooth surfaces. The leads are protected by a stainless steel tube and advanced by a pressure mechanism. The practical storage case also serves as a sharpener.

Marker with graphite lead B2 (universal writer) 1 21 2150



8
NEW

Replacement leads

Pack of 10 replacement leads graphite B2	1	21 2152
Pack of 8 replacement leads (2 x red, 2 x yellow, 4 x graphite)	1	21 2154
Pack of 10 replacement leads red	1	21 2156
Pack of 10 replacement leads yellow	1	21 2158



9
NEW

Deep hole marker – ink

for marking, marking out and lettering even in places that are hard to access. Will mark and write on all surfaces (plastics, metals, stone, wood and glass). Waterproof, quick-drying ink.

Robust, patented stainless steel telescopic tip. Practical case with special clip for easy handling and one-handed use. Mark width 1 mm

black	10	21 2182
blue	10	21 2184
red	10	21 2186



10
NEW

Marking spray

for coloured freehand and stencil markings, based on chalk (non-permanent), environmentally friendly, free of toxic substances, solvents and CFC propellant gases, water hazard class 0, will adhere even in wet conditions to different surfaces such as concrete, asphalt, masonry, wood, metal, plastic, grass (among others), approved by Deutsche Telekom.

red 400 ml 6 21 2190



11
NEW

12
NEW

red

400 ml

6

21 2190

Design

Size mm

PU

Article no.

cimco®

INSULATED SAFETY TOOLS PERSONAL PROTECTIVE EQUIPMENT (PPE)

Insulation

The double dip-coated insulation (interior: orange, exterior: red) ensures optimum safety. As soon as the exterior red coat is damaged, the newly visible orange colour indicates with its signal effect that the safety level is no longer 100 % of that required by safety regulations.



Anti-slip guard

This prevents your hand from slipping onto current-carrying parts.

Testing

All tools are individually tested in a water bath with a testing voltage of 10,000 V in accordance with IEC 60900:2004.

Diamant[®] - Safety pliers with 1000 V protective insulation

Optimised lever conditions, smoothness and easy-grip handle design permit energy-saving and ergonomic work for the hand, manufactured using the most suitable high-alloy tool steels, completely hardened in oil, all blades are additionally induction hardened, surfaces are polished to a high-sheen and are meticulously chrome-plated

Description of the symbols

	1000 V IEC60900:2004	Edged work		Blade hardness in HRC		With cutting bevel		Single joint		Flat nose pliers		Wire type soft		Wire type piano
	VDE/GS tested	Serrated surfaces		Diagonally serrated surfaces		With slight cutting bevel		Lap joint		Flat-round pliers		Wire type medium-hard		Wire type rope
								Box joint		Round nose pliers		Wire type hard		Wire type Cu cable



- Set the adjusting screw to the desired conductor cross section to be stripped by turning it (left / right).
- Secure the adjusting screw using the counter nut.
- Insert the cable.
- Close the pliers by pressing them and remove the plastic sheathing.

10 year durability guarantee

on all Diamant-Plus pliers. If defects in the material or processing can be proved, we will provide you with a replacement free of charge! Please ask for the exact guarantee terms at your local CIMCO dealer or from CIMCO directly.



1000 V Protective insulation according to VDE

The pliers belonging to the Diamant-Plus range correspond to the current standards of IEC 900, IEC 60900:2004 and VDE 0682/Part 201 (excluding engineers pliers). These strict safety rules stipulate 10 different quality checks for the insulation protection of all pliers. In addition to the type examination, the independent testing body of VDE also regularly performs production and storage inspections. Each individual pliers are examined in the water bath for disruptive discharges and flashovers at a testing voltage of 10,000 Volt AC. As a result, we guarantee the safety has been tested on all pieces.



The range of pliers that are exclusively "Made in Germany" undergoes a range of unrivalled trend-setting and robot-supported production processes. As a result, the work sequences are performed with robots; from forging and grinding as well as polishing, right through to the dielectric strength testing of the insulating sheathing in order to ensure a consistent standard of quality. Ergonomic design handle sleeves in a modern 2-component design manufactured from premium plastic with excellent haptic properties. Superb grip thanks to non-slip, non-adhesive surfaces when dealing with wet conditions and dirt. Excellent skin-tolerance, insulation in extreme temperatures, electrical shocks and vibrations. Resistance against sweat, salt water, oil, many chemicals and UV radiation.

1000 V Heavy duty side-cutters



according to DIN ISO 5749 A, lap joint,

with induction hardened precision blades (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel

145 (5.5") 6 10 0524



160 (6") 6 10 0526
200 (8") 6 10 0528

1000 V Side-cutters



according to DIN ISO 5749 B, single joint

with induction hardened precision blades (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel

130 (5") 6 10 0570



145 (5.5") 6 10 0572

160 (6") 6 10 0574

180 (7") 6 10 0577



Design	Size/mm	PU	Article no.	
1000 V Side-cutter with stripping function single joint with induction hardened precision blade, (approx. 64 HRC), for hard, medium-hard and soft wire, with two additional stripping functions for solid and multi-wire conductors measuring 1.5 mm ² and 2.5 mm ²	 	6	10 0652	
1000 V Heavy duty end cutter according to DIN ISO 5748, lap joint, with induction hardened precision blade (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel	 	6	10 0402	
1000 V Combination pliers according to DIN ISO 5746, single joint, with induction hardened precision blade (approx. 64 HRC), for all wires, also including piano wire manufactured from special tool steel, with slightly conical, serrated gripping surfaces and serrated opening (burner hole)	 	160 (6") 180 (7") 200 (8")	6 6 6	10 0334 10 0336 10 0338
1000 V Wire stripper single joint with adjusting screw for setting the desired wire or stranded wire diameter, for solid and multi-wire conductors to 5 mm Ø or 0.75 mm ² up to 6 mm ² , with internal opening spring	 	160 (6")	6	10 0686
1000 V Telephone pliers with straight jaws according to DIN ISO 5745, single joint, with induction hardened precision blades (approx. 60 HRC), long, flat-round jaws (flat-round pliers), serrated gripping surfaces and serrated opening (burner hole), with blades for hard and soft wire	 	160 (6") 200 (8")	6 6	10 0214 10 0216
1000 V Telephone pliers with bent jaws according to DIN ISO 5745, single joint, 45 angled jaws, with induction hardened precision blade (approx. 60 HRC), long, flat-round jaws (flat-round pliers), serrated gripping surfaces and serrated opening (burner hole), with blades for hard and soft wire	 	160 (6") 200 (8")	6 6	10 0236 10 0238
1000 V Flat nose pliers (long flat nose pliers) according to DIN ISO 5745, single joint, long, flat jaws (long flat nose pliers), jaw length 50 mm, serrated gripping surfaces	 	160 (6")	6	10 0024
1000 V Round nose pliers (long round nose pliers) according to DIN ISO 5745, single joint, long, round jaws (long round nose pliers), jaw length 50 mm, finely serrated gripping surfaces	 	160 (6")	6	10 0062
1000 V Plier assortment, 4-piece Heavy duty diagonal pliers Telephone pliers with straight jaws Combination pliers Wire stripper	200 (8") 200 (8") 185 (7") 160 (6")	10 0528 10 0216 10 0336 10 0686	1	10 4020
Plier assortment, 3-piece Water pump pliers (no VDE) Telephone pliers with bent jaws Diagonal pliers	250 (10") 200 (8") 160 (6")	10 1224 10 0238 10 0574	1	

Design	Size/mm	PU	Article no.
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Design	Size/mm	PU	Article no.
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The range of pliers that are exclusively "Made in Germany" undergoes a range of unrivalled trend-setting and robot-supported production processes. As a result, the work sequences are performed with robots; from forging and grinding as well as polishing, right through to the dielectric strength testing of the insulating sheathing in order to ensure a consistent standard of quality. Handles with two-colour plastic dip insulation for optimum safety. In the event of damage to the outer red insulation layer, the lower orange plastic insulation that is now visible displays that a 100 % level of safety in accordance with the safety standards is no longer in place.

1000 V Heavy duty side-cutters

according to DIN ISO 5749 A, lap joint, with induction hardened precision blade (approx. 64 HRC), for all wires, also including piano wire, manufactured of electric steel



160 (6")	6	10 8789
200 (8")	6	10 8784



1000 V Side-cutters

according to DIN ISO 5749 B, lap joint with induction hardened precision blade (approx. 64 HRC), for all wires also including piano wire, manufactured from electric steel



145 (5.5")	6	10 8785
160 (6")	6	10 8786
180 (7")	6	10 8787

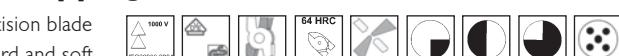


250 (10")	6	10 8788
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1000 V Side-cutter with stripping function

single joint with induction hardened precision blade (approx. 64 HRC), for hard, medium-hard and soft wire, with two additional stripping functions for solid and multi-wire conductors measuring 1.5 mm² and 2.5 mm²



160 (6")	6	10 8792
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1000 V Heavy duty end cutter

according to DIN ISO 5748, lap joint, with induction hardened precision blade (approx. 64 HRC), for all wires, also including piano wire, manufactured from electric steel



200 (8")	6	10 8795
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1000 V Flat nose pliers (long flat nose pliers)

according to DIN ISO 5745, single joint, long, flat jaws (long flat nose pliers), jaw length 50 mm, serrated gripping surfaces

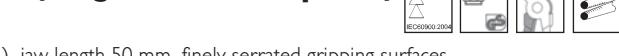


160 (6")	6	10 8771
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1000 V Round nose pliers (long round nose pliers)

according to DIN ISO 5745, single joint, long, round jaws (long round nose pliers), jaw length 50 mm, finely serrated gripping surfaces

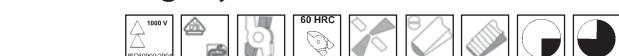


160 (6")	6	10 8773
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1000 V Telephone pliers with straight jaws

according to DIN ISO 5745, single joint, with induction hardened precision blade (approx. 60 HRC), long, flat-round jaws (flat-round pliers), serrated gripping surfaces and serrated opening (burner hole), with blades for hard and soft wire

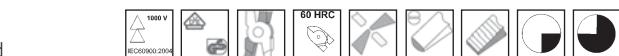


160 (6")	6	10 8779
200 (8")	6	10 8778



1000 V Telephone pliers with bent jaws

according to DIN ISO 5745, single joint, 45° angled jaws, with induction hardened precision blade (approx. 60 HRC), long, flat-round jaws (flat-round pliers), serrated gripping surfaces and serrated opening (burner hole), with blades for hard and soft wire



160 (6")	6	10 8777
200 (8")	6	10 8780



Design	Size/mm	PU	Article no.
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cimco®

Design	Size/mm	PU	Article no.
1000 V Combination pliers according to DIN ISO 5746, single joint, with induction hardened precision blade (approx. 64 HRC), for all wires, also including piano wire, manufactured of special tool steel with slightly conical, serrated gripping surfaces and serrated opening (burner hole)	160 (6") 180 (7") 200 (8")	6 6 6	10 8781 10 8782 10 8783



1000 V Water pump pliers

according to DIN ISO 8976, with box joint,
self-clamping on the tool, with serrated opening (burner hole), manufactured from chrome-vanadium steel

250 (10")	6	10 8724
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1000 V Wire stripper

single joint, with adjusting screw
for adjustment to the desired wire or strand diameter, for solid and multi-wire conductors
up to 5 mm ø or 0.75 mm² to 6 mm², with internal opening spring

160 (6")	6	10 8790
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1000 V Safety plier set, 4-piece

Double dip-coated handles

Telephone pliers, straight	200 (8")	10 8778
Combination pliers	185 (7")	10 8782
Heavy duty diagonal pliers	200 (8")	10 8784
Wire stripper	160 (6")	10 8790

1	10 8002
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1000 V Side cutter DIAMANT

according to DIN ISO 5749

Cutting performance: A special blade shape, optimises hand power transmission and most suitable material quality ensure astoundingly low cutting forces on all types of cables and wires.

Surface coating: Thanks to new technological possibilities, the diagonal pliers obtain a double primer coat as well as a more refined surface coating that ensure a high level of wear resistance and improved corrosion protection.

Handle sleeves: Ergonomic design handle sleeves in modern 2-component design manufactured from premium with excellent haptic properties, VDE-certified insulation protection up to 1000 Volt AC according to DIN EN 60900:2004.

160	6	10 0000
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1000 V Plastic telephone pliers

manufactured from impact-resistant, fibre-glass reinforced plastic with 2-component handles, serrated gripping surfaces and narrow tips, robust design, can be used in temperatures as low as -40 °C

180	1	10 0790
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1000 V Plastic grip pliers

manufactured from impact-resistant, glass fibre reinforced plastic with 2-component handles, gripping zone with 8 recesses for different cable diameters, without blades, robust design, can be used in temperatures as low as -40 °C

180	1	10 0792
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1000 V Plastic combination pliers

manufactured from impact-resistant, fibre-glass reinforced plastic with 2-component handles, with blade inserts manufactured from special steel, extra-long blades for flexible conductors with diameters of up to 12 mm as well as medium-hard wire gripping zone with 3 openings for different cable diameters, robust design, can be used in temperatures as low as -40 °C

190	1	10 0794
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1000 V Plastic cable cutter

manufactured from impact-resistant, fibre-glass reinforced plastic with 2-component handles, with blade inserts manufactured from special steel, for flexible Al and Cu conductors with diameters of up to 15 mm, excellent cutting performance, robust design, can be used in temperatures as low as -40 °C

170	1	12 0790
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Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.	
△ 1000 V Plastic flat nose pliers especially suitable for meter installation	200	1	10 0796	
Insulated tweezers				
straight, pointed shape	130	1	10 3110	
straight, bent shape	150	1	10 3112	
straight, flat-round shape	145	1	10 3114	
△ 1000 V Insulated tweezers with 2-layer safety insulation and anti-slip protection, tested according to DIN EN 60900				
△ 1000 V straight, flat-round shape	145	1	10 3232	
△ 1000 V bent, flat-pointed shape	145	1	10 3240	
Insulated screwdrivers according to IEC 60900:2005, classification VDE 0682, part 201. Individually tested in a water bath with a testing voltage of 10,000 V.				
Electrician screwdrivers				
according to DIN EN 60900, VDE 0682-201:2005-01, DIN ISO 2380				
2.5 x 0.4	75	12	11 7701	
3.0 x 0.5	100	12	11 7702	
3.5 x 0.6	100	12	11 7703	
4.0 x 0.8	100	12	11 7704	
5.5 x 1.0	125	12	11 7705	
6.5 x 1.2	150	12	11 7706	
8.0 x 1.2	175	12	11 7708	
10.0 x 1.6	200	12	11 7710	
Phillips cross-head screwdrivers				
according to DIN EN 60900, VDE 0682-201:2005-01, DIN ISO 8764				
PH 0	60	12	11 7730	
PH 1	80	12	11 7731	
PH 2	100	12	11 7732	
PH 3	150	12	11 7733	
Pozidriv cross-head screwdrivers				
according to DIN EN 60900, VDE 0682-201:2005-01, DIN ISO 8764				
PZ 0	60	12	11 7740	
PZ 1	80	12	11 7741	
PZ 2	100	12	11 7742	
PZ 3	150	12	11 7743	
Special screwdrivers with combination profile				
according to DIN EN 60900, VDE 0682-201, 2005-01				
for combined slot-head/cross-head screws in electrical equipment, i.e. terminal blocks				
PZ 1	80	12	11 7751	
PZ 2	100	12	11 7752	
Set PZ 1 and PZ 2 (no. 11 7751 and 11 7752)		1	11 7750	
PH FL 1	80	12	11 7757	
PH FL 2	100	12	11 7758	
Hex keys (Allen wrench)				
according to DIN EN 60900, VDE 0682-201:2005-01				
Size 3	75	12	11 7823	
Size 4	75	12	11 7824	
Size 5	75	12	11 7825	
Size 6	100	12	11 7826	
Size 8	100	12	11 7828	
Design	Size/mm	PU	Article no.	cimco®

Design	Size/mm	PU	Article no.
TORX® screwdrivers			
according to DIN EN 60900, VDE 0682-201:2005-01			
T 8	60	12	11 7908
T 9	60	12	11 7909
T 10	60	12	11 7910
T 15	75	12	11 7915
T 20	100	12	11 7920
T 25	100	12	11 7925
T 30	100	12	11 7930
Hex nut drivers			
according to DIN EN 60900, VDE 0682-201:2005-01			
Size 5.5	125	12	11 7805
Size 6	125	12	11 7806
Size 7	125	12	11 7807
Size 8	125	12	11 7808
Size 9	125	12	11 7809
Size 10	125	12	11 7810
Size 11	125	12	11 7811
Size 13	125	12	11 7813
Screwdriver sets			
Electrician screwdriver set, 7-piece			
VDE electrician screwdrivers for slot-head screws			
2.5 x 0.4 x 75		11 7701	
3.0 x 0.5 x 100		11 7702	
4.0 x 0.8 x 100		11 7704	
5.5 x 1.0 x 125		11 7705	
VDE cross-head screwdrivers			
PH 1 x 80		11 7731	
PH 2 x 100		11 7732	
VDE voltage tester		11 1280	
	1	11 7800	
Electrician screwdriver set, 7-piece			
VDE electrician screwdrivers for slot-head screws			
2.5 x 0.4 x 75		11 7701	
3.0 x 0.5 x 100		11 7702	
4.0 x 0.8 x 100		11 7704	
5.5 x 1.0 x 125		11 7705	
VDE cross-head screwdrivers			
PZ 1 x 80		11 7741	
PZ 2 x 100		11 7742	
VDE voltage tester		11 1280	
	1	11 7802	
Slot-head screwdriver set, 5-piece			
VDE electrician screwdrivers for slot-head screws			
2.5 x 0.4 x 75		11 7701	
3.5 x 0.6 x 100		11 7703	
4 x 0.8 x 100		11 7704	
5.5 x 1.0 x 125		11 7705	
6.5 x 1.2 x 150		11 7706	
	1	11 7700	
Cross-head screwdriver set, 6-piece			
VDE cross-head screwdrivers			
PH 1 x 80		11 7731	
PH 2 x 100		11 7732	
PH 3 x 150		11 7733	
PZ 1 x 80		11 7741	
PZ 2 x 100		11 7742	
PZ 3 x 150		11 7743	
	1	11 7745	

Design **Size/mm** **PU** **Article no.** 

Design	Size/mm	PU	Article no.
Hex key set (Allen wrench), 5-piece			
VDE hex keys			
Size 3 x 75	11 7823		
Size 4 x 75	11 7824		
Size 5 x 75	11 7825		
Size 6 x 100	11 7826		
Size 8 x 100	11 7828		
	11 7820	1	



1000 V D'E GS



TORX® screwdriver set, 5-piece

VDE-TORX screwdrivers

T 8 x 60	11 7908
T 10 x 60	11 7910
T 15 x 75	11 7915
T 20 x 100	11 7920
T 25 x 100	11 7925

1 11 7900



1000 V D'E GS



Hex nut driver set, 5-piece

VDE nut drivers

Size 5.5 x 125	11 7805
Size 7 x 125	11 7807
Size 8 x 125	11 7808
Size 10 x 125	11 7810
Size 13 x 125	11 7813

1 11 7801



1000 V D'E GS



Electronic safety screwdriver set, 7-piece

according to IEC 60900:2004

Blade, insulation and handle are inseparably connected to each other, individually tested in water bath with a testing voltage of 10,000 V.

for slot-head screws

1.5 x 0.3 x 40	140	11 2000
1.8 x 0.3 x 60	160	11 2002
2.0 x 0.4 x 60	160	11 2004
2.5 x 0.4 x 75	175	11 2006
3.0 x 0.5 x 75	175	11 2008

for Phillips cross-head screws

PH 00 x 40	140	11 2020
PH 0 x 60	160	11 2022

1 11 2050

1000 V D'E GS



Insulated screwing tools

tested according to DIN EN 60900/VDE 0680 part 2, two-colour double dip-coated

1000 V D'E GS

Angled screwdrivers

according to DIN 7439, made of chrome vanadium steel, for hex socket screws (Allen)

1000 V	Size 5	1	11 0804
1000 V	Size 6	1	11 0806
1000 V	Size 8	1	11 0808



1000 V D'E GS



T-handle screwdrivers

made of chrome vanadium steel, for hex socket screws (Allen)

1000 V	Size 5	160	1	11 0812
1000 V	Size 6	160	1	11 0814
1000 V	Size 8	160	1	11 0816
1000 V	Size 10	160	1	11 0817



Design

Size/mm

PU

Article no.

cimco®

Design		Size/mm	PU	Article no.
T-handle nut drivers				
according to DIN 7440, made of molybdenum vanadium steel, for hex nuts, shaft 200 mm, handle 160 mm				
△ 1000 V	Size 13	1	11 0836	
△ 1000 V	Size 17	1	11 0840	
△ 1000 V	Size 19	1	11 0842	
shaft 300 mm, handle 160 mm				
△ 1000 V	Size 13	1	11 0856	
△ 1000 V	Size 17	1	11 0860	
△ 1000 V	Size 19	1	11 0862	



Sockets

according to DIN 7448, with $\frac{3}{8}$ " square drive

△ 1000 V	Size 8	28	1	11 2520
△ 1000 V	Size 10	28	1	11 2522
△ 1000 V	Size 11	28	1	11 2523
△ 1000 V	Size 13	28	1	11 2525
△ 1000 V	Size 14	28	1	11 2526
△ 1000 V	Size 15	28	1	11 2527
△ 1000 V	Size 16	28	1	11 2528
△ 1000 V	Size 17	28	1	11 2529
△ 1000 V	Size 18	28	1	11 2530
△ 1000 V	Size 19	28	1	11 2531
△ 1000 V	Size 22	28	1	11 2534



Screwdriver bit sockets

for screws with hexagon socket (Allen)

△ 1000 V	Size 4	65	1	11 2560
△ 1000 V	Size 5	65	1	11 2561
△ 1000 V	Size 6	65	1	11 2562
△ 1000 V	Size 8	65	1	11 2563
△ 1000 V	Size 10	65	1	11 2564



Reversible ratchet

according to DIN 7449

△ 1000 V	190	1	11 2570
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Extension

according to DIN 7434

△ 1000 V	125	1	11 2575
△ 1000 V	250	1	11 2576



T-handle

according to DIN 7436

△ 1000 V	200	1	11 2580
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Design

Size/mm

PU

Article no.

cimco®

Design	Size/mm	PU	Article no.
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Insulated screwing tools

with safety mechanism to prevent unintentional release of the attached tools



Sockets

according to DIN 7448, with 1/2" square drive

	1000 V	Size 10	50	1	11 2600
	1000 V	Size 11	50	1	11 2602
	1000 V	Size 12	50	1	11 2604
	1000 V	Size 13	50	1	11 2606
	1000 V	Size 14	50	1	11 2608
	1000 V	Size 15	50	1	11 2609
	1000 V	Size 16	50	1	11 2611
	1000 V	Size 17	50	1	11 2610
	1000 V	Size 18	50	1	11 2613
	1000 V	Size 19	50	1	11 2612
	1000 V	Size 20	50	1	11 2615
	1000 V	Size 21	50	1	11 2617
	1000 V	Size 22	50	1	11 2614
	1000 V	Size 24	50	1	11 2616
	1000 V	Size 27	50	1	11 2618
	1000 V	Size 32	50	1	11 2622



Screwdriver bit sockets



for screws with hexagon socket

	1000 V	Size 4	70	1	11 2670
	1000 V	Size 5	70	1	11 2671
	1000 V	Size 6	70	1	11 2672
	1000 V	Size 8	70	1	11 2673
	1000 V	Size 10	70	1	11 2674



Reversible ratchet



according to DIN 7449

	1000 V		250	1	11 2628
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Extensions



according to DIN 7434

	1000 V		125	1	11 2640
	1000 V		250	1	11 2642



T-handle



according to DIN 7436

	1000 V		200	1	11 2650
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Torque wrenches



fully insulated according to DIN EN 60900, VDE 0680/2, with integrated reversible ratchet, adjustable from 5 - 50 Nm
with 3/8" square drive

	1000 V	5 - 50 Nm	370	1	11 2581
	1000 V	5 - 50 Nm	370	1	11 2582



Design

Size/mm

PU

Article no.

cimco®

1000 V safety tool assortments



oder

**1000**

**Master case
KLASSIK
“Electric
safety”
17 0370**

**Master case
KLASSIK RED
17 0070**

see catalogue p. 8

Article no., equipped

with tool case

Article no.

Description



17 0370

Telephone pliers with straight jaws	200 mm	•
Telephone pliers with bent jaws	200 mm	•
Round nose pliers	160 mm	•
Combination pliers	180 mm	•
Heavy duty side cutter	200 mm	•
Wire stripper 0,5 to 6 mm ²	160 mm	•
Electrician slot-head screwdrivers	2.5 x 0.4 x 75 mm	•
(Blade dimensions)	4.0 x 0.8 x 100 mm	•
	6.5 x 1.2 x 150 mm	•
	8.0 x 1.2 x 175 mm	•
Electrician Phillips screwdrivers	PH 1 x 80 mm	•
(Blade dimensions)	PH 2 x 100 mm	•
	PZ 1 x 80 mm	•
	PZ 2 x 100 mm	•
Insulated screw-holding slot-head screwdrivers (without VDE)	3.0 x 0.5 x 100 mm	•
(Blade dimensions)	4.0 x 0.8 x 125 mm	•
Insulated screw-holding Phillips screwdrivers (without VDE)	PH 1 x 150 mm	•
(Blade dimensions)	PH 2 x 175 mm	•
Angled hex key (Allen)	5 mm	•
(Wrench size across flats)	6 mm	•
Hexagon socket wrenches, 1000 V-insulated	5.5 mm	•
(Wrench size across flats)	7 mm	•
	8 mm	•
	10 mm	•
Single-ended open jaw wrenches, 1000 V-insulated	10 mm	
(Wrench size across flats)	13 mm	
	17 mm	
	19 mm	
	22 mm	
Flat nose pliers made of solid plastic	200 mm	•
VDE ratchet (reversible), 1/2"-square drive	250 mm long	
VDE T-socket wrench, 1/2"-square drive	200 mm long	
Hexagon socket wrench insert, 1000 V-insulated	10 mm	
(Wrench size across flats)	11 mm	
	13 mm	
	14 mm	
	17 mm	
	19 mm	
Plastic clip for holding rubber drapes	160 mm	
Rubber drape, insulating up to 1000 V	1000 x 1000 x 1.6 mm	
Slip-on bushes 1000 V, up to 10 mm Diameter	numbered “No. 1”	5 pieces
	numbered “No. 2”	5 pieces
	numbered “No. 3”	5 pieces
PVC adhesive tape, red, 25 mm wide	25 m	•
NH safety handle, according to VDE standard	for fuses Size 00 to 3	•
Electric safety gloves, insulating up to 1000 V	size 10	•
Voltage tester DUSPOL ANALOG	12 to 690 V AC/DC	•
Cable shear, up to 12 mm cables, 1000 V VDE	160 mm	•
Automatic cable stripping knife, fully insulated	8 to 28 mm diameter	•
Safety cable knife, 1000 V-insulated	with straight, solid blade	•
Quantity of tools		47



17 5370



17 0378

cimco®



17 0340



17 0372



17.0360

1 Design

2 Size/mm

3 PU

4 Article no.

House connection set, 21-piece

in a transport and storage case made of impact-resistant plastic, consisting of dip-insulated tools:

and bit sockets for:

1 x torque wrench 1/4"	5 – 25 Nm	1 x slot-head screw 4.0 x 0.5 mm
1 x extension 1/4"	75 mm	1 x slot-head screw 5.5 x 0.8 mm
1 x extension 1/4"	100 mm	1 x slot-head screw 6.5 x 1.2 mm
1 x extension 1/4"	150 mm	1 x Phillips crosshead screw PH 1
1 x socket 1/4"	6 mm	1 x Phillips crosshead screw PH 2
1 x socket 1/4"	8 mm	1 x combination profile crosshead screw PZ/FL 1
1 x socket 1/4"	10 mm	1 x combination profile crosshead screw PZ/FL 2
1 x socket 1/4"	13 mm	1 x hex socket (Allen) 5 mm
1 x socket 1/4"	14 mm	1 x hex socket (Allen) 6 mm
2 x bit holders 1/4"		1 x hex socket (Allen) 8 mm



255 x 210 x 45

1

17 0362



Open-ended wrenches

according to DIN 7446, made of chrome vanadium steel, 15° offset

8	1000 V	Size 8	105	1	11 2704
9	1000 V	Size 9	105	1	11 2706
10	1000 V	Size 10	105	1	11 2708
11	1000 V	Size 11	115	1	11 2710
12	1000 V	Size 12	125	1	11 2712
13	1000 V	Size 13	132	1	11 2714
14	1000 V	Size 14	140	1	11 2716
15	1000 V	Size 15	150	1	11 2718
16	1000 V	Size 16	160	1	11 2719
17	1000 V	Size 17	160	1	11 2720
18	1000 V	Size 18	165	1	11 2721
19	1000 V	Size 19	170	1	11 2722
20	1000 V	Size 22	195	1	11 2724
21	1000 V	Size 24	220	1	11 2726
22	1000 V	Size 27	230	1	11 2728
23	1000 V	Size 30	240	1	11 2730
24	1000 V	Size 32	240	1	11 2732



Ring wrenches

according to DIN 7447, made of chrome vanadium steel, deep-offset

16	1000 V	Size 8	155	1	11 2754
17	1000 V	Size 10	165	1	11 2758
18	1000 V	Size 11	175	1	11 2760
19	1000 V	Size 12	185	1	11 2762
20	1000 V	Size 13	190	1	11 2764
21	1000 V	Size 14	200	1	11 2766
22	1000 V	Size 15	210	1	11 2768
23	1000 V	Size 16	210	1	11 2769
24	1000 V	Size 17	210	1	11 2770
25	1000 V	Size 18	220	1	11 2771
26	1000 V	Size 19	230	1	11 2772
22	1000 V	Size 22	250	1	11 2774
23	1000 V	Size 24	270	1	11 2776
24	1000 V	Size 27	300	1	11 2778
25	1000 V	Size 30	300	1	11 2780



1000 V ratchet ring wrenches

according to DIN 3110 / ISO 3318 (torque) made of chrome vanadium steel

Ratchet mechanism with fine gearing (72 teeth) and a reset angle of 5° (shank angle). Change from clockwise to counterclockwise rotation by simply turning over the spanner.

Size

10 mm	weight 56 g	1	11 2740
13 mm	weight 80 g	1	11 2742
14 mm	weight 56 g	1	11 2744
17 mm	weight 80 g	1	11 2746
19 mm	weight 56 g	1	11 2748



Design

Size/mm

PU

Article no.

Design	Size/mm	PU	Article no.		
	1000 V Safety cable stripping knife				
cable stripping knife especially for working with insulation on large cables, with strong, straight blade of stainless steel, blade length approx. 50 mm. 1000 volt insulating handle with large anti-slip protection in modern 2-component technology (polypropylene with soft rubber insert) for working comfortably and securely even in wet, cold or hot conditions. With blade protection cover.		1	12 1042	1	
	1000 V Cable stripping knife				
with strong, straight blade		1	12 0042	2	
Blade length 50 mm					
	1000 V Cable stripping knife				
with straight blade and insulated blade back		1	12 0043	3	
Blade length 50 mm					
	1000 V Stripping knife				
with hooked cutting edge		1	12 0044	4	
Blade length 35 mm					
	1000 V Cable paper knife				
with especially sharp blade		1	12 0045	5	
Blade length 50 mm					
	1000 V Cable stripping knife				
with hooked blade and shuttle		1	12 0046	6	
Blade length 40 mm					
	1000 V Safety cable stripping knife				
with insulated blade back and blade guard that folds away into the shaft, with interchangeable blade.		1	12 0064	7	
Blade length 50 mm					
interchangeable blade		1	12 0066	8	
Automatic wire stripper SAFETY STRIP					
for flexible stranded wires and solid conductors of 0.2 to 6 mm ² , insulation-protected to 1000 volt, tested in accordance with DIN EN 60 900:2004, automatic adjustment to the conductor width, integrated length stop and closer for transport and storage		1	10 0762	9	
	1000 V One-hand cable shears				
with double dip-coated special handle sleeves, high-gloss polished chrome					
for cable Ø solid mm ² flexible mm ²					
16 mm 16 50 160 6 12 0206				10	
25 mm 25 70 200 6 12 0202					
	1000 V Hacksaw frame				
fully insulated					
Span width 150 mm	250	1	12 0700	11	
	1000 V Hacksaw frame				
fully insulated hacksaw with innovative quick release on the handle for single-sided saw blades DIN 6494 Form A. With improved grip due to nonslip plastic and reduced weight.					
Span width 300 mm	weight 785 g	520	1	12 0702	12

Design	Size/mm	PU	Article no.	cimco®
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	Design	Size/mm	PU	Article no.		
1	 Wrench for set screws for fuses and for contact screws	combination, re-insert to use for set screws for fuses 2 - 63 A, haft made of insulation material	105	10	14 0102	
2	 1000 V cover cloths	ozone and weather resistance, excellent flame resistance, resistant to grease and acid, temperature resistant from - 40 °C to + 100 °C, no ageing inhibitor necessary, for covering current-carrying parts, according to VDE 0680/1	L x W x H mm			
3		600 x 600 x 1,6	1	14 0154		
4		1000 x 1000 x 1,6	1	14 0156		
5		1200 x 1200 x 1,6	1	14 0158		
6		Roll 10 m x 1 m x 1,6 mm	1	14 0157		
7	 1000 V plastic clip	for attaching rubber cloths	Length mm			
8		80	1	14 0179		
9		160	1	14 0180		
10	 1000 V Slip-on spouts	conical, to protect bare, current-carrying parts, numbered: No 1 - 2 - 3	Receptacle ø max.			
11	No. 1	10 mm	80	1	14 0166	
12	No. 2	10 mm	80	1	14 0168	
13	No. 3	10 mm	80	1	14 0170	
14	 1000 V Slip-on spouts	self clamping, with sleeve, not numbered	Receptacle ø			
15		10 mm	75	1	14 0172	
16		20 mm	100	1	14 0174	
17		30 mm	120	1	14 0176	
18	 1000 V Insulating protective cap	made of soft PVC, wing length 80 mm	L x H mm			
19	with one wing	220 x 160	1	14 0184		
20	with two wings	300 x 160	1	14 0185		
21	Spreading wedge	made of plastic				
22	without groove	163 x 16 x 35	1	14 0198		
23	 1000 V cleaning brush	fully plastic design	L x W mm			
24		420 x 25	1	14 0260		
25		420 x 38	1	14 0261		
26	Insulating protective equipment and protective clothing					
	Bump cap - FIRSTBASE					
	according to EN 812					
	Removable ABS plastic shells as bump and head protection minimise the impact of unintended head bumps. Made of microfibre (40° machine washable), head size can be adjusted individually, high wearing comfort, weight: 200 g.					
	Design with normal visor (length: 70 mm)					
	navy	1	14 0190			
	royal blue	1	14 0192			
	black	1	14 0194			
	grey	1	14 0196			
	Design with shortened visor (length: 50 mm)					
	navy	1	14 0191			
	royal blue	1	14 0193			
	black	1	14 0195			
	grey	1	14 0197			

Design	Size/mm	PU	Article no.
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1000 V Electrician and industrial helmets

light and modern head protection according to DIN EN 397, made of HDPE (polyethylene), with ventilation holes, electric insulation to 440 V AC, with visor, lengthened in the back for neck protection, with hygienic terry cloth sweatband, rain channels and side slots for attaching ear or eye protection, ratcheting headband, 8-point interior webbing, for head sizes 50-66 cm, 310 g.

Colour:

yellow	1	14 0200
blue	1	14 0201
white	1	14 0202
red	1	14 0203



1000 V Visor

according to DIN EN 166 to be combined with the electrician helmet, complete protection over the whole facial area, including ears, from flame arcs, arc flashes caused by short-circuit, liquid sprays and other damage, transparent and colourless, protective shield can be folded up

clear as glass	1	14 0204
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1000 V Electrician protective face hood

according to DIN EN 166, use as arc flash face protection with ear protection during short-term switching activities as well as other energised work (e.g., on distributor cabinets, home junction boxes, during meter changes, pulling and installing NH fuses, creating a T-socket, etc.), not to be used with energised work on non-insulated, overhead lines and on equipment with risk of contact to active parts, type and CE tested

1	14 0206
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Safety glasses EXPLORER

according to EN 166 5-3.1 1F

Base model with clear protective lens, scratch-resistant

12	14 0205
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Safety glasses SUNDOWNER

according to EN 166 1

black frame, clear lens, scratch-resistant, anti-fog

12	14 0208
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Full view safety goggles

with anti-fog, clear safety lens, high dust protection and wearing comfort thanks to light weight, wide textile elastic strap, indirect ventilation and flat design

Electrician safety goggles

according to DIN EN 166, compact goggles in traditional design, soft, flexible, indirectly ventilated PVC frame for high wearing comfort, interchangeable, scratch-resistance polycarbonate anti-fog lens, 130° field of view, weight only 76 g, fits over most prescription glasses, protects against electrical arcs according to DIN 4646/4647

1	14 0270
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Panorama safety goggles

according to DIN EN 166, with a 140° field of view, otherwise similar to safety goggles with article no. 14 0270

1	14 0272
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Ear muffs

CE according to EN241-1

Flat ear muffs, seal cushion gentle to skin, head piece with comfortable foam cushion, comfortable for all head sizes due to sliding mechanism, pleasant contact pressure thanks to two-point attachment and optimised tension force. Highest comfort, even when worn for long periods of time.

medium noise protection (yellow)	1	14 0274
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good noise protection (orange)	1	14 0278
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Ear plugs

washable foam rubber ear plugs for multiple use, level range: high 30 dB(A), medium 24 dB(A), low 22 dB(A), SNR value: 28 dB(A), 43.6 dB(A) at 4000 Hz, according to EN 352

1 pair	14 0279
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Design	Size/mm	PU	Article no.
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cimco®

	Design	Size/mm	PU	Article no.																																																																																																		
1	Fine dust mask protection from solid particles of inert substances, according to DIN EN 149, protection level FFP1 (particle filter class P1 DIN 58645), CE certified, light, gentle to the skin with low breathing resistance, adjustable rubber band, individually wrapped	20		14 0282																																																																																																		
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20	5-finger work gloves STANDARD made of split pigskin, smoothed, glove back made of cotton, one size 10/11	1 pair		14 0230																																																																																																		
21																																																																																																						
22	PROFI made of full pigskin, glove back made of cotton, lined, one size 10/11	1 pair		14 0232																																																																																																		
23																																																																																																						
24	WINTER WORKER made of full pigskin, smoothed, glove back made of cotton, with thermal lining, according to EN 388 cat. II and EN 511, one size 10/11	1 pair		14 0233																																																																																																		
25																																																																																																						
26	NITRILE protective gloves with flexible nitrile coating according to EN 388 cat. II, TÜV and GS tested, with tricot lining and knitted cotton cuff, good wet and dry gripping properties, liquid- and oil-resistant, very sturdy, machine washable, anatomical fit.	1 pair		14 0234																																																																																																		
27																																																																																																						
28	Electrical safety gloves according to DIN EN 60903, with test mark for work in the 1000 volt range, made of natural latex, anatomical fit, best flexibility																																																																																																					
29																																																																																																						
30	<table border="1"> <thead> <tr> <th>Size</th><th>Working voltage</th><th>Test voltage</th><th>Length mm</th><th>Material thickness mm</th><th></th><th></th></tr> </thead> <tbody> <tr><td>9</td><td>500 V</td><td>2 500 V</td><td>360</td><td>0.5</td><td>1 pair</td><td>14 0237</td></tr> <tr><td>10</td><td>500 V</td><td>2 500 V</td><td>360</td><td>0.5</td><td>1 pair</td><td>14 0238</td></tr> <tr><td>11</td><td>500 V</td><td>2 500 V</td><td>360</td><td>0.5</td><td>1 pair</td><td>14 0239</td></tr> <tr><td>9</td><td>1 000 V</td><td>5 000 V</td><td>410</td><td>1.0</td><td>1 pair</td><td>14 0215</td></tr> <tr><td>10</td><td>1 000 V</td><td>5 000 V</td><td>410</td><td>1.0</td><td>1 pair</td><td>14 0214</td></tr> <tr><td>11</td><td>1 000 V</td><td>5 000 V</td><td>410</td><td>1.0</td><td>1 pair</td><td>14 0240</td></tr> <tr><td>9</td><td>7 500 V</td><td>10 000 V</td><td>410</td><td>1.5</td><td>1 pair</td><td>14 0245</td></tr> <tr><td>10</td><td>7 500 V</td><td>10 000 V</td><td>410</td><td>1.5</td><td>1 pair</td><td>14 0244</td></tr> <tr><td>11</td><td>7 500 V</td><td>10 000 V</td><td>410</td><td>1.5</td><td>1 pair</td><td>14 0243</td></tr> <tr><td>9</td><td>17 000 V</td><td>20 000 V</td><td>410</td><td>2.3</td><td>1 pair</td><td>14 0247</td></tr> <tr><td>10</td><td>17 000 V</td><td>20 000 V</td><td>410</td><td>2.3</td><td>1 pair</td><td>14 0246</td></tr> <tr><td>11</td><td>17 000 V</td><td>20 000 V</td><td>410</td><td>2.3</td><td>1 pair</td><td>14 0242</td></tr> <tr><td>11</td><td>26 500 V</td><td>30 000 V</td><td>410</td><td>2.9</td><td>1 pair</td><td>14 0241</td></tr> </tbody> </table>	Size	Working voltage	Test voltage	Length mm	Material thickness mm			9	500 V	2 500 V	360	0.5	1 pair	14 0237	10	500 V	2 500 V	360	0.5	1 pair	14 0238	11	500 V	2 500 V	360	0.5	1 pair	14 0239	9	1 000 V	5 000 V	410	1.0	1 pair	14 0215	10	1 000 V	5 000 V	410	1.0	1 pair	14 0214	11	1 000 V	5 000 V	410	1.0	1 pair	14 0240	9	7 500 V	10 000 V	410	1.5	1 pair	14 0245	10	7 500 V	10 000 V	410	1.5	1 pair	14 0244	11	7 500 V	10 000 V	410	1.5	1 pair	14 0243	9	17 000 V	20 000 V	410	2.3	1 pair	14 0247	10	17 000 V	20 000 V	410	2.3	1 pair	14 0246	11	17 000 V	20 000 V	410	2.3	1 pair	14 0242	11	26 500 V	30 000 V	410	2.9	1 pair	14 0241			
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31	Composite electrical safety gloves according to DIN EN 60903, with increased mechanical properties for working in voltage ranges to 1000 V (class 00)																																																																																																					
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Design	Size/mm	PU	Article no.
Storage box for electrical safety gloves			
for transport or secure storage in vehicles or toolboxes, made of impact-resistant insulating material. Dimensions: 476 x 224 x 100 mm, weight 320 g	1	14 0150	



NEW
2

1000 V D'E GS NH safety handle

according to VDE 0680/4, with anti-slip protection and protective guard of smooth, impregnated leather. For NH fuses sizes 00-3

1 14 0210



3
4

1500 V NH safety handle for photovoltaic applications

based on VDE 0680/4, with anti-slip protection and protective guard of smooth, impregnated leather. For NH fuses sizes 1 XL, 2 XL and 3 L.

1 14 0211



5
6

Electrician boots

premium safety boots made of a PVC-nitrile mixture, tested according to EN 345-SB, EN 50321.1999 class 0
Shoe size

42	1	14 0219
43	1	14 0220
44 - 45	1	14 0221
46	1	14 0222



7
8

Insulating overshoes

the comfortable alternative to rubber boots. For energised electrical work indoors on firm ground (e.g., energised meter changes, meter disconnection activities, work on interior cable distributors). The galoshes serve as a comparable replacement for position insulation to 1000 V AC / 1500 V DC. Use in wet conditions, on ladders and outdoors, especially in cable trenches is not permitted, nor is work where earth contact with other body parts cannot be ruled out (e.g., while working on your knees). Comfortable and quick attachment to normal shoes via 2 Velcro fasteners in the front area along with a snap-in strap for the heel, type tested on the basis of DIN EN 50 321.

For sole length	Approx. shoe size	Interior length		
280 to 300 mm	40 to 43	300 mm	1 pair	14 0227
300 to 320 mm	43 to 46	320 mm	1 pair	14 0228



9
10

Portable rescue case 36 kV

specially designed for electrical safety interventions (rescue actions involving electrical cars, etc.). Case cover serves simultaneously as an insulating stool to prevent direct contact with the medium during rain (personal protection).

Contents: Insulating bench (case base)

- Insulated telescopic pole (45 kV)
- Rescue hook with voltage indicator (127 V – 90 kV)
- Cable cutter (36 kV)
- Pair of insulated boots (20 kV) size 44
- Bottle of talcum
- Adhesive tape yellow/black
- Information sign (first aid measures)
- Electrical safety gloves (class 3, to 26.5 kV, size 9)
- Transport bag with carabiner hook



11
12



13
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570 x 71 x 240 mm

1 17 0366

Design	Size/mm	PU	Article no.
cimco®			
Advice and ordering: Phone: +49 (0)21 91 37 18 01, Fax: +49 (0)21 91 37 18 85, E-mail: info@cimco.de			175

	Design	Size/mm	PU	Article no.
1		1000 V Insulating floor mat		
2		protective mats for electrical switch rooms, specific surface resistance approx. 1012 ohm/cm, dielectric strength 16.4 kV/mm (tested according to DIN VDE 0303 part 21), thus the 4-mm thick matt has a dielectric strength of 50 kV (test voltage 5 kV/min according to DIN VDE 0680 part 1), made of green NR/SBR polymer plastic (hardness approx. 55° Shore A), tensile strength > 50 N/mm ² , elongation at rupture > 500%, embossed, grooved walking surfaces of course material for increased stepping safety, abrasive wear < 300 mm ³ , temperature resistance from -30 °C to +70 °C		
3	1000 x 1000 x 4 mm	1	14 0224	
4	10 m x 1 m x 4 mm	1	14 0225	
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	Your personal safety set, 4-piece			
	in a practical and sturdy carrying bag	17 0110		
	Electrician helmet	14 0200		
	Electrician visor	14 0204		
	NH safety handle	14 0210		
	Electrician finger gloves	14 0214		
		1	14 0255	
	Your personal safety set, 5-piece			
	in a practical and sturdy carrying bag	17 0112		
	Electrician helmet	14 0200		
	Electrician visor	14 0204		
	NH safety handle	14 0210		
	Electrician finger gloves	14 0214		
	Insulated floor mat	14 0224		
		1	14 0250	
	Safety harness type A			
	for working in areas with risk of falling, e.g., towers, poles, building overhangs, safety harness with a back receiver ring (according to DIN EN 361) two side attachment rings, (according to DIN EN 358), weight only 1.4 kg.			
	fits all body sizes	1	14 0455	
	Safety harness type B			
	like type A but with a chest loop as front receiver point for better work and two side attachment rings as well as a comfortable 100 mm wide, padded back support, weight 1.5 kg.			
	fits all body sizes	1	14 0456	
	Guided fall arrester MAGIC			
	according to EN 353-2			
	The small and light fall arrester runs free in both directions. Available in various rope lengths of 12 mm kernmantle rope.			
	10 m	1	14 0475	
	15 m	1	14 0476	
	Safety lanyard ERGOGRIP			
	according to EN 358			
	Safety lanyard for workstation positioning with ergonomically shaped operating element, length 1.5 m and one-hand carabiner, 12 mm kernmantle rope. The rope is fixed to the attachment rings on the harness.			
		1	14 0490	
	Design	Size/mm	PU	Article no.
				cimco®

Design	Size/mm	PU	Article no.
Electrician safety set STANDARD			
this set is intended for use in repair and maintenance work, e.g., work on pitched roofs. The receiver rings in the front and at the sides correspond to the BG [Employer's Liability Insurance Association] guidelines for work in areas with risk of falling. The stable case of steel sheet contains:			
Safety harness (EN 361/358)			
Belt sling 30 KN - 1 meter			
Running safety lanyard ERGOGRIP			
1	14 0495		



Electrician safety set ROPE BAG

this set finds versatile application in construction and industry. The receiver rings correspond to the BG [Employer's Liability Insurance Association] guidelines for work in areas with risk of falling.

The practical rope bag contains:

- Safety harness (EN 361)
- Belt sling 22 KN - 2 meters
- Guided fall arrester MAGIC 15 m

1 14 0496



Fall damping belt SHOCKYARD

according to EN 355, 354

Fall damper and sling in one. Extremely short falling distance: only 95 cm at a fall factor of 2 (4 m - 100 kg falling weight).

Very comfortable as it is very light and flexible over its whole length, primarily for sternal applications.

Temperature-resistant to 80 °C,

abrasion proof protective shell. Continuous fall arresting due to elastic fibres. During a fall, no shock-creating noise from tearing.

1 14 0500



Safety belt

the safety belt has a double-pin buckle and two side attachment rings with adjustable length, spliced lanyard.

The belt can only be used in places where there is no risk of falling.

Belt length mm	Waist size cm		
1400	90 - 100	1	14 0502
1500	100 - 110	1	14 0504
1600	110 - 120	1	14 0506



Crampons

according to DIN 48345, pole model, with 2 spikes, angled footplate and wide leather counter

Spike width 260 mm for wooden poles 150 - 240 mm 1 14 0550



Warning vest

as a breakdown vest for car drivers and for use by street crews, in luminous orange (RAL 2005), made of mixed cotton fabric (80% polyester, 20% cotton), with two horizontal 50 mm wide reflective strips all the way around the vest for best visibility, one size, universal size adjustment via Velcro fastener, according to EN 471

1 14 2012



Warning triangle EURO

officially tested and approved according to EC directive ECE-27R03 in all European countries, optimal warning effect even at night, 4 point stand, folds together, in a plastic tube (445 x 160 x 40 mm),

total weight only 1700 g

unfolded 440 x 450 mm 1 14 2014



Commercial first aid case

according to DIN 13 157, in a modern design with attractive colouring, splash-proof, dust-tight and maintenance-free, can be hung on the wall or removed from the holder for mobile help on site, extremely clear layout thanks to transparent ABS housing and variable interior partitioning, one-hand opening and defined opening angle with additional externally accessible plaster dispenser, including room thermometer, „First Aid Instructions“, pen, anti-theft protection, with wall bracket, wall plugs and screws

350 x 370 x 120 mm 1 14 2006

Refill pack for first aid case according to DIN 13 157 1 14 2007



Design	Size/mm	PU	Article no.
cimco®			

Design	Size/mm	PU	Article no.
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1 Car first aid kit

according to DIN 13 164, only for cars, not permitted for commercial operations, in a stable metal case

225 x 165 x 70 mm	1	14 2008
Refill pack for car first aid kit DIN 13 164	1	14 2009



2 Professional torches UNDERWATER KINETICS

very reliable and robust high-output torches, with extremely bright XENON bulbs in a pre-focused quality reflector for optimal light yield, with rotating front switch, tested according to the most recent EC directive, ATEX 100a Exx, and permitted for use in explosive areas of zones 1 and 2, light and non-slip ABS housing, 100% dust and water-tight, corrosion-resistant, not electrically conductive. Additional technical data:

Length x diameter	Weight incl. batteries	Light duration	Output / Range	
120 mm x 17 mm	38 g	2 to 3 h	1 Watt / 50 m	11 1510
120 mm x 17 mm	38 g	2 to 3 h	1 Watt / 50 m	11 1513
157 mm x 40 mm	148 g	4 to 5 h	2 Watt / 120 m	11 1514
157 mm x 40 mm	148 g	4 to 5 h	2 Watt / 120 m	11 1515
218 mm x 50 mm	360 g	4 to 6 h	3 Watt / 140 m	11 1518
218 mm x 50 mm	360 g	4 to 6 h	3 Watt / 140 m	11 1519
batteries included				
MINI inspection light, black		1	11 1510	
MINI inspection light, yellow		1	11 1513	
bendable light guide for extremely precise work		1	11 1512	
batteries included				
MIDI torch and helmet light, black		1	11 1514	
MIDI torch and helmet light, neon yellow, with additional rear switch		1	11 1515	
batteries not included				
MAXI tubular work light, black		1	11 1518	
MAXI tubular work light, neon yellow		1	11 1519	
special helmet mounting kit, universal		1	11 1516	



2000



13 Headlamp UK 3AAA LED VIZION

insert can be removed and used individually. Via a rotating filter, the light can be used in three different modes: focused, diffuse and red. The duration of the light, at 150 hours, is exceptionally long. The large switch can be perfectly operated even with thick gloves. The continuously adjustable headband is very soft and can be set for a precise fit. The angle of the lamp can be cleanly adjusted via a large button.

Additional technical data: 100% dust and water tight, output: 1 watt, weight 110 g, batteries included

black	74 x 37 x 46 mm	1	11 1525
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14 MIDI-LED torch and helmet light

large light output due to an improved LED and explosion protection class (II 2G EX e ib IIC T4/II 2D Ex ib 21 T 98° C) confirm the torch's claim to be the standard in its output class. With rotating front switch and rear switch. Additional technical data: output: 3 watts, illumination: 80 lumens, light duration: 10.5 h, weight: 159 g, batteries included

neon yellow	172 x 40 x 37 mm	1	11 1517
special helmet mounting kit, universal		1	11 1516



15 Mini LED lamp

with holding clip and magnet. Patented mini torch for bright, point illumination, pivots in all directions, with three attachment or standing options:

- Foot for standing on horizontal surfaces
- Magnetic foot for attaching to metal objects
- Spring clip for attaching to clothing, helmet, visor, metal sheets, tool bags, etc.

Long light duration thanks to LED technology, delivery includes 3 LR44 button cell batteries.

1	11 1506
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22 LED work lamp

ideal for home, workshop, garage, construction site, camping, boat, etc. This innovative LED work lamp replaces the common neon stick lamps thanks to many advantages. Via 60 (tubular lamp) plus 9 (torch) white LED lamps, the lamp wins acclaim due to its high yield of bright, even and focused light, simple operation with one push button switch, unlimited freedom of movement thanks to wireless operation with integrated rechargeable batteries (7.2 V NiMH), chargeable via 230 volt/50 Hz charger and 12-volt cigarette lighter (charging time approx. 1.5 hours), very low power consumption for long light duration (approx. 5 to 8 hours, depending on mode), impact-resistant, oil-, splash- and dust-resistant housing (IP 54) made of polycarbonate with a non-slip rubber handle, handy and light: length 410 mm, ø 41 mm, weight 470 g.

LED work lamp		1	11 1522
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Design	Size/mm	PU	Article no.
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cimco®

Design	Size/mm	PU	Article no.
LED pocket torches			
premium LED lamps with focused illumination, 1 (to 1.2) watt output, very robust housing made of solid aluminium, splash protected (protection class IP 67), can be expanded with extensive accessories, maximum light yield with simultaneously low heat development, rechargeable battery operation for high light duration and service life. Rotate to turn on and off. With wrist strap, stretch sleeve, battery operated.			
housing ø 24 mm	150	1	11 1530
With case, rechargeable battery, power supply plug.			
housing ø 24 mm	150	1	11 1532
With all functions described above, but with an additional rotating function for focusing the light, IP 64, with soft grip, battery operated.			
housing ø 28 mm	165	1	11 1534



LED headlamp

with lamp head that swivels 100°, flexible nylon strap with stainless steel clasp for size adjustment

head ø 24 mm	1	11 1536
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Accessories for LED hand lamps

for magnetic torch attachment

articulated magnetic clip	1	11 1537
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LED inspection lamps

premium LED lamps with focused illumination, 1 watt output, very robust housing made of solid aluminium, splash protected (protection class IP 67), can be expanded with extensive accessories, maximum light yield with simultaneously low heat development, battery operation for high light duration and service life. Rotate to turn on and off.

Design with black rubber shaft, 1 x mirror ø 30 mm, 1 x mirror 65 x 43 mm, magnetic head, battery operated

handle ø 22 mm, head ø 15 mm	Total length 630	1	11 1540
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Design with black rubber shaft, mirror 65 x 43 mm, battery operated

handle ø 22 mm, head ø 24 mm	Total length 600	1	11 1542
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LED workshop lamp

premium LED lamps with patented focusing system for adjustable emission angle, 6 watt output, very robust housing made of solid aluminium, splash protected (protection class IP 64), can be expanded with extensive accessories, maximum light yield with simultaneously low heat development, mains operation for high light duration and service life.

With black rubber flex shaft, magnetic base, power supply plug.

head ø 24 mm	Flex length 500	1	11 1560
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head ø 64 mm	Flex length 500	1	11 1562
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Accessories for LED workshop lamp

table clamp	1	11 1563
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screw clamp	1	11 1545
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For additional technical data, see page 248.



SAFETY BOX

To protect plug connections on power lines against humidity and moisture, as well as against unintentional separation of the plug connection. Ideally suited for use when working with electrical devices outdoors (garden, camping, construction site, boat, etc.), for the holiday and Christmas lighting, also worth recommending for the protection of small children.

Simple handling: open the housing parts of the SAFETY BOX, connect the plug and socket and set them in the middle, fix the plug connection and then turn on the power. For lines with up to 9 mm diameter, IP 44 splash protected, weight 110 g.

red	1	14 2016
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Cutout switch lock

the secure locking element for, for instance, fuses. After the cutout switch has been switched off, the clip block can be attached with an insulated electrician screwdriver (blade max. 4 mm); then the locking device is secured with a padlock (CIMCO article no.: 18 2612) or a multi-locking clamp (CIMCO article no.: 18 2616) to prevent the cutout switch from being switched back on.

Packaging unit 5 pieces

circuit breaker	1	18 2600
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NEW

Design	Size/mm	PU	Article no.
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Design	Size/mm	PU	Article no.
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Padlock for locking device

with 4 mm brass shackle Base body made of plastic with two-sided locking disc, with a "Do not switch on" prohibition sign (according to VBG 125) and label field.

Delivery includes two keys. Weight 192 g

50 x 6 mm	1	18 2610
50 x 4 mm	1	18 2612
23 x 6 mm	1	18 2614



Multi-locking clamp for locking element

for use with multiple locking elements, with "Do not switch on" prohibition sign (according to VBG 125) and labelling field. Scope of supply: housing with 2 m protection band.

1 18 2616



ESD service kit

practical working mat for mobile application areas, made of sturdy dissipative vinyl material. Equipped with 2 pockets and seamed edges. Delivery includes 3 m earthing cable with crocodile clamps, wrist strap and pocket with push button fastener. Typical working resistance $R_G = 10^7$ to 10^9 Ohm.

600 x 650 1 15 0370



Circuit board cutlery, 3-piece

with 6 different accessory soldering tools of special steel that solder does not stick to. With fork, stainless steel brush, hook, awl, knife and scraper.

175 1 15 0350



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Design

Size/mm

PU

Article no.

cimco®

PLUMBING TOOLS

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Jaws and opening

The jaws are ground and inductively hardened. The self-clamping serration in the 45 degree "S-opening" ensures a secure grip.



Material

Made of chrome-vanadium steel and also completely steel forged.

	Design	Size/mm	PU	Article no.
1	Water pump pliers according to DIN ISO 8976, with box joint, self-clamping on the tool, with serrated opening (burner hole), manufactured from chrome-vanadium steel. without handle sleeves 250 mm (10") 10 10 1222 with handle sleeves 250 mm (10") 6 10 1224			
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	Water pump pliers according to DIN ISO 8976, in chrome-vanadium steel, with burner hole and box slip joint, for even force distribution, with safety locking protection, varnished. 175 1 10 1236 245 10 10 1237 300 1 10 1238			
	Water pump pliers FastGRIP according to DIN / ISO 8976 with quick adjustment on the workpiece via push button. Easy running, super-fine adjustment via 12 tab locations. Ergonomically shaped for the greatest force transmission, self-locking on the workpiece, power conserving, slip-proof design. With box slip joint and double fulcrum. Inductively hardened opening serration and safety lock protection. High-quality tempering. Maximum span width 37 mm, weight 392 g. 240 1 10 1230			
	Plier wrenches PowerGRIP parallel gripping pliers with practical push-button adjustment. For working on parallel and flat work-pieces such as nuts, bolts, screwed cable glands and thin metal sheets. High transmission ratio with noticeable support of hand power. Ergonomic shape, extremely robust. Free play joint with continuous, easy-running fine adjustment. Chrome-plated with dip insulated handles. Design Span width Weight 180 mm 36 mm 275 g 1 10 1241 250 mm 46 mm 490 g 1 10 1239 300 mm 60 mm 640 g 1 10 1243			
	Syphon pliers for mounting and dismounting of syphons and water drains on washbasins and sink units; also for larger filling valves (taps for water) made of chrome-vanadium steel, for pipe fittings with screwed slip joint, handles dipped. 230 1 10 1256			
	Pipe wrench with S-claw according to DIN 5234 C, drop-forged, with inductively hardened grip area, self-locking on the workpiece, double-T profile handle, captive adjusting nut and safety locking protection to prevent crush injuries. For pipes Span width inch mm 1/2 39 245 6 10 1277 1 49 320 6 10 1279 1 1/2 68 440 6 10 1281 2 85 560 6 10 1283 3 120 675 6 10 1285			
	Lever pressure pliers (locking pliers) ideal for holding and fixing of workpieces for welding, soldering, cutting and finishing. Jaws made of chrome vanadium steel, with unfasten lever and wire cutter Span width mm 0 - 35 185 1 10 1300 0 - 50 250 1 10 1302 0 - 65 300 1 10 1304			
	Fitting pliers with non-slip woven rubber strap max. 160 mm ø 1 10 1370			
	Basin wrench with swivel claw, for left and right-handed rotation, varnished 235 1 10 2020			
	Design	Size/mm	PU	Article no.

cimco®

Design	Size/mm	PU	Article no.
One-hand basin wrench			
for easy mounting of high-quality fittings, e.g. chrome-plated, in hard to access places with restricted working space, receptacles $\frac{3}{8}$ "			
Wrench inserts			
Size 27 mm	1	11 4021	
Size 32 mm	1	11 4022	
Size 36 mm	1	11 4023	
Extension	300 mm	1	11 4024
Sliding T-handle	$\frac{3}{8}$ "	1	11 4026
Range no. 11 4021 to no. 11 4026	5 piece	1	11 4019



Express spanner

open-end spanner with hanger bolt spanner M 10

Size 17 - 19	1	11 4011
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Ventil-Quick

waste valve holder and screw-in wrench. Just push in and it's immediately torque-proof.

No chance of damaging chrome surfaces, weighs only 365 g. Ready for use in seconds

1	11 4040
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Sanitary four-way socket wrench

with different surfaces, making it suitable for all brands

for tap extensions $\frac{3}{8}$ " - $\frac{1}{2}$ " - $\frac{3}{4}$ " - 1", with thread for hanger bolts M 10 + M 12

1	11 4120
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Radiator spud wrench

for cam, hex and double hex drive, to install valves and screw fittings

$\frac{3}{8}$ " - 1", $\frac{1}{2}$ " square drive

1	11 4000
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Ratchet



with $\frac{1}{2}$ " square socket, for radiator spud wrench (order no. 11 4000) with $\frac{1}{2}$ " push-through square socket supplied, enabling use as ordinary ratchet for socket wrench

1	11 4001
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Radiator spud wrench

chrome-plated, with adjustable tommy bar, for valve nipples $\frac{3}{8}$ " and $\frac{1}{2}$ "

1	11 4150
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Pipe cutters for plastic pipes and cable ducts

for hard and soft PVC pipes and cable ducts; also for fibre-reinforced plastic and rubber hoses.

The stability and the cutting geometry of the blade ensures a burr and deformation-free, right-angled cut with both round and angular material.

Pipe cutter SUPER

Working range 6 - 35 mm \varnothing	1	12 0410
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Replacement blade	1	12 0412
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Pipe cutter MAXI

with adjustment-lever for modification of cut-opening

Working range 6 - 42 mm \varnothing	1	12 0420
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Replacement blade	1	12 0422
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Plastic pipe shear MINI

made of die cast magnesium, for cutting plastic and composite pipes up to a diameter of 35 mm. Optimum power transmission, with quick change system for changing blades simply and easily. Automatic blade retraction. Blade of INOX steel with long service life (made in Solingen).

Extremely light and compact, only 270 g.

35 mm \varnothing / 1 $\frac{3}{8}$ "	220	1	12 0416
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Replacement blade	1	12 0417
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Design	Size/mm	PU	Article no.
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1 Plastic pipe cutter PROFI

made of die cast magnesium, for cutting plastic and composite pipes up to a diameter of 42 mm. Optimum power transmission thanks to ratchet mechanism with progressive, gear driven blade feed with 2-component handle. Blade retraction via one-hand quick retraction mechanism. With quick change system for replacing blades quickly and easily. Blade of INOX steel with long service life (made in Solingen).

42 mm ø / 1 ½"	240	1	12 0418
Replacement blade		1	12 0419



2 Universal pipe cutter

with 2 interchangeable knives for insulation and hard PVC tubes and for soft plastic and rubber hoses

Tube outer ø max. 29 mm	200	1	12 0450
Bulk knives			
for hard PVC		1	12 0452
for soft pipes		1	12 0453



3 Corrugated pipe cutter

for cutting and trimming corrugated plastic pipes (flex pipes) and plastic shield pipes up to 42 mm ø in the electrical, plumbing and heating fields, simply rotate the tool to safely cut at the outer diameter without damaging the interior pipe, with two interchangeable cutting inserts, weight only 45 g

Working range to 42 mm ø	110	1	12 0430
Replacement cutting inserts		1 pair	12 0432



4 Metal hacksaw frame

especially light and simultaneously very stable metal cutting saw for 300 mm saw blades. Made of die cast aluminium in an ergonomic design, with soft rubber inserts on the handle and front grip. High cutting precision of the blade in straight and 40 degree position due to captive locking pins. Blade can be tensioned up to 800 N by turn-lock fastener in the handle. Delivery incl. a bi-metal cutting saw blade.

Span width 300 mm	weight 650 g	1	12 0602
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5 Metal hacksaw frame

according to DIN 6473 A, heavy duty design, material thickness 18 x 8 mm, chrome plated, with captive locking pins

Span width 300 mm		6	12 0600
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6 Metal cutting saw blade

according to DIN 6494, 24 teeth per inch

Version A, one-sided serration

Material	Dimensions mm		
HSS-CO	300 x 13 x 0,65	100	12 0608



Version B, double-sided serration

Material	Dimensions mm		
WS	300 x 25 x 0,8	50	12 0614



7 Bolt cutter

robust bolt cutter in a compact design. Blade and pipehead manufactured from drop-forged special steel.

Reduced separating force thanks to ideal geometry and cutting performance up to 48 HRC. With ergonomic 2-component handles and precise, adjustable blades.

Weight 2000 g	460 mm	10 0450
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8 Pipe milling cutter internal and external

for vibration-free chamfering of plastic, copper, aluminium and soft steel pipes from 4 - 42 mm in diameter

1	12 0890
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9 Ratchet pipe cutter

innovative pipe cutter with a worldwide patent. Ratchet mechanism allows you to cut a pipe without having to completely rotate the tool. Especially suitable for work in restricted working spaces (e.g., pipes installed in corners or on walls). One-hand operation. Especially high performance. Thanks to special cutting wheel and double roller guides (speed, durability). Integrated deburrer for clean edges on the cut tubes. Easily interchangeable cutting wheel. One replacement cutting wheel is contained in the scope of delivery. Weight 400 g. Cutting performance – for plastic, copper, stainless steel (VA), aluminium and similar pipes.

For external pipe diameters of 12 to 35 mm (¼" to 1 ½").

175 x 38 x 68	1	12 0480
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Design	Size/mm	PU	Article no.		
Mini pipe cutter				1	
with one cutting wheel and double roller guide, for copper pipes				2	
3 - 16 mm ø 1/8" - 5/8" ø	60	1	12 0460	3	
3 - 30 mm ø 1/8" - 1 1/8"	70	1	12 0461	4	
Pipe cutter				5	
with one cutting wheel, double roller guide and deburrer				6	
3 - 35 mm ø 1/8" - 1 3/8" ø	160	1	12 0464	7	
Pipe cutter				8	
with one cutting wheel and double roller guide				9	
3 - 50 mm ø 1/8" - 2" ø	390	1	12 0472	10	
10 - 42 mm ø 1/8" - 1 1/4"	290	1	12 0473	11	
Loose wheels				12	
for 12 0460, 12 0464, 12 0467, 12 0461		1	12 0462	13	
for 12 0472		1	12 0474	14	
Professional pipe cutter KOMPAKT				15	
for aluminium, copper and thin-walled steel pipes. Made from die cast zinc with steel bearing mounted spindle for easier motion of the slide. With 4 guide rollers for optimum hold of the pipe when cutting. Includes an extendable deburring blade and a replacement cutting wheel (in the turn knob). Cutting wheel can be changed without tools thanks to quick change mechanism.				16	
3 - 35 mm ø	155 mm	1	12 0468	17	
Safety engineer's hammer				18	
dimensions and finish according to DIN 1041. With forged-on protective shaft collar and additional nylon protective haft sleeve. With double curved hickory shaft, hammer head double secured by tapered collar and synthetic resin seal.				19	
Hammer weight g		6	13 0586	20	
500				21	
Universal lever shears for sheet metal				22	
with lever transmission; double hardened fine-toothed blades; self-opening.				23	
Hex socket head screw, fully hardened; with fine thread for adjusting the cutting edge gap.				24	
Ideal straight cutting shear				25	
	250	1	12 0280	26	
Special shape cutting shears				27	
with especially flat lower blade				28	
right-hand cutting	250	1	12 0282	29	
left-hand cutting	250	1	12 0283	30	
Double sheet metal puncher – Sanitary installation				31	
for punching holes in sink unit basins (stainless steel), spanner operation Size 19				32	
Hole ø	Pre-drill ø	Bolt size	max. Sheet metal thickness mm	33	
metric mm	mm			34	
28 / 32	11	10 x 55	1.5	35	
Replacement tension bolt		10 x 55		36	
			1	13 1822	37
			1	13 5068	38
Workshop file set				39	
with wooden haft				40	
each 1 item 200 mm Cut 2 □ △ □ △ ○		1	20 6806	41	
Valve seat milling cutter				42	
with double brass cylinder, with flat steel cutters, for water supply taps,				43	
for pipes 3/8" - 1/2" - 3/4" - 1"				44	
		1	14 1150	45	

Ausführung

Größe/mm

VE

Artikelnr.

cimco®

1	Design	Size/mm	PU	Article no.
	Excelsior spanner			
	with movable jaw and tyre lever, polished, smooth jaws without teeth.			
	240	1	11 2842	
	300	1	11 2844	
	370	1	11 2846	



5 L-key

chrome-plated, with square socket, for 10 mm tap extensions.

3/8" + 3/4"	1	11 4130
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6 Flexible pipe cleaners

made of hot-dip galvanised, double layered steel wire, with claw and adjustable wooden handle.

Cleaner ø mm	Claw ø mm	m	1	14 1170
7	17	5	1	14 1176
7	17	10	1	14 1186
10	20	10	1	14 1200
10	30	10	1	14 1192
12	40	5	1	14 1202
12	40	10	1	14 1202



9 Extension for flexible pipe cleaners

Cleaner ø mm	m	1	14 1212
12	5	1	14 1212



10 Pipe cleaner ROHRTEUFEL

universal use pipe cleaner for cleaning all pipes from 10 to 55 mm diameter, e.g. drain pipes, sinks, washbasins, shower drain pipes, baths and WCs, with crank for hand operation and hex receiver for electronically regulated drills, hot-dip galvanised piano wire spiral,
7.5 m long, 8 mm in diameter

1	14 1250
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11 Steel wire brush

4 rows of bristles	length 290 mm	6	14 1314
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12 Magnetic welding mirror

with strong, permanent magnet, ball joint and flexible brass hose, nickel-plated steel mirror, 1 mm thick.

Length 500 mm	1	14 1330
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Loose welding mirrors	80 x 70 mm	1	14 1340
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SOLDERING EQUIPMENT AND ACCESSORIES – CHEMICAL PRODUCTS

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Function test

Without complex testing equipment.
For photoelectric (optoelectronic)
smoke detectors.

Battery test

The functionality of a smoke detector
is not ensured by pressing the
battery test button; it is only achieved
by using a smoke detector spray.



Content

Sufficient for approx. 150 smoke
detector tests.

Note: Due to the limited shelf-life, it is not possible to return the spray and cleaner cans.

cimco®

Design	Size mm	PU	Article no.
Lead-free electronic solder			
1	according to DIN 29453, S-Sn 99.3 Cu 0.7, with active resin flux according to DIN EN 29454-1 1.1.2.B 2.5 % (weight % 2.5 ± 0.5), non-corrosive on non-ferrous metals, supplied on disposable coils		
2	Wire ø mm	Weight g	
3	1.0	100	1 15 0152
4		250	1 15 0154
5		500	1 15 0156
6		1000	1 15 0158
7	1.5	100	1 15 0162
8		250	1 15 0164
9		500	1 15 0166
10		1000	1 15 0168
11	2.0	250	1 15 0174
12		500	1 15 0176
13		1000	1 15 0178
14	3.0	250	1 15 0180
15		500	1 15 0182

RoHS



Electronic solder

according to DIN 29453, with activated resin flux, non-corrosive on non-ferrous metals, fast-flowing, flux according to DIN EN 29454-1 1.1.2.B 2.5 % (weight % 2.5 ± 0.5) S-Sn60Pb40, supplied on disposable coils

Wire ø mm	Weight g	1	15 0052
1.0	100	1	15 0054
	250	1	15 0056
	500	1	15 0058
	1000	1	15 0060
1.5	100	1	15 0062
	250	1	15 0064
	500	1	15 0066
	1000	1	15 0068
2.0	250	1	15 0074
	500	1	15 0076
	1000	1	15 0078
3.0	250	1	15 0080
	500	1	15 0082

Radio solder

according to DIN 29453, with activated resin flux, non-corrosive on non-ferrous metals, fast-flowing, flux according to DIN EN 29454-1 1.1.2.B 2.5 % (weight % 2.5 ± 0.5) S-Sn40Pb60, supplied on disposable coils

Wire ø mm	Weight g	1	15 0104
2	250	1	15 0140

Solder in triangular rods

according to DIN EN 29453, extruded, standard dimension: 11 x 11 x 11 mm, approx. length 440 mm

SN %	weight g	1 kg	15 0140
35	1000	1 kg	15 0150
40	1000	1 kg	15 0160

Lead-free solder in triangular rods

according to DIN EN 29453, extruded, standard dimension: 11 x 11 x 11 mm, approx. length 400 mm

SN %	weight g	1 kg	15 0161
99,3	1000	1 kg	15 0161

Soldering grease

according to DIN EN 29454-1 3.1.1.C, for the soft soldering of tinplate and leaded sheet metal, for the tinning of copper and brass, not suitable for use in the field of electrical engineering and electronics (contains zinc chloride, corrosive)

50 g	1	15 0230
100 g	1	15 0232
250 g	1	15 0234



Design

Size mm

PU

Article no.

cimco®

Design**Size mm****PU****Article no.****Contact soldering paste**

according to DIN EN 29454-1 1.1.2.C, for soldering in the fields of electrical engineering, electronics and electronic installation

50 g tin

1 15 0240

**Desoldering pump**

ideally suitable for repair work on circuit boards and electronic components, in professional industrial quality with extremely high and constant suction power and large aluminium solder chamber, low weight (only 65 g), with thin, anti-static Teflon desoldering tip.

195

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15 0300

**Electronic soldering devices**

220 Volt, with plastic handle, 1.5 m power cable and "Schuko" safety plug, interchangeable copper soldering tips

Watt	Tip temp.	Heating time ~	Soldering tip ø mm	1	15 0448
15	370 °C	1.5 min	5 straight	1	15 0448
Replacement soldering tip for 15 0448				1	15 0449
30	410 °C	1.5 min	5 straight	1	15 0600
Replacement soldering tip for 15 0600				1	15 0601
60	460 °C	2.0 min	7 bent	1	15 0453
Replacement soldering tip for 15 0453				1	15 0457
80	480 °C	2.5 min	7 bent	1	15 0602
Replacement soldering tip for 15 0602				1	15 0603
100	500 °C	2.5 min	7 bent	1	15 0456
Replacement soldering tip for 15 0456				1	15 0457

**Tool holder for electrical and gas soldering irons**

with tray for cleaning sponge

80 x 110 mm

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15 0301

**Electrical soldering gun**

220 Volt, with soldering point light and Euro plug

Watt	Tip temp.	Heating time ~	1	15 0700
100	400 °C	0.2 min	1	15 0700

**Gas soldering set**

10 piece, for lighter butane gas. For challenging soldering tasks without obstructive cables in all locations where power supply is not available, e.g. in installation, service and repair areas. Also suitable for heat-shrinking work, micro-welding and the cutting of plastic films and plates thanks to various interchangeable attachments. With electronic ignition, infinitely variable output, temperatures up to 1,300 °C in the event of naked flames, soldering up to 500 °C, heat-shrinking up to 500 °C, burning time approx. 60 min.

In handy shock-proof plastic storage and transport case complete with window. Set contains 1 unit each of:

- Gas soldering iron with protective safety cap and locking device
- Pencil tip soldering tip
- 3 mm single-sided, diagonal soldering tip (elliptical shape)
- 3.5 mm dual-sided, diagonal soldering tip (chisel shape)
- Hot knife with 12.5 mm blade width for the cutting and forming of plastic and rigid foams
- Heat reflector for heat-shrinking
- 3.5 mm ø flame nozzle for micro-welding
- 7 mm and 8 mm wrench for soldering tip assembly
- Cleaning sponge in 40 x 40 mm sponge container
- Comprehensive instruction manual

10 piece gas soldering iron set 275 x 160 x 45 mm 1 15 0800

Gas soldering iron individual device 235 x 27 mm 1 15 0810

**Soldering station with infinitely variable control**

primary voltage 230 V, 50/60 Hz, secondary voltage 12 V, safety transformer, LED function display, soldering iron with separate potential equalisation and interchangeable soldering tip

Watt	Tip temp.	Heating time ~	Soldering tip ø mm	1	15 0730
30	200 - 450 °C	1.5 min	5	1	15 0730

**Replacement soldering iron**

Watt	Tip temp.	Heating time ~	Soldering tip ø mm
30	200 - 450 °C	1.5 min	5

1 15 0732

Design**Size mm****PU****Article no.****cimco®**

Design	Size mm	PU	Article no.
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1 Cleaning sprays

2 Plastic cleaner

3 cleans and degreases plastics, ideal for the pre-treatment of surfaces when bonding sensitive plastics, rubber or painted surfaces, evaporates without leaving residue.

4 500 ml 12 15 1138

6 Cleaner and degreaser

7 cleaner and degreaser for all metals, glass and ceramic as well as the majority of plastics. Cleans stubborn dirt such as oil, grease, tar, wax, silicone/adhesive residue from electrical contacts, boilers and burners, brakes, clutches, motors, transmissions, etc. without leaving any residue, degreasing effect.

8 500 ml 12 15 1150

9 TFT/LCD screen cleaner

10 reliable removal of dirt, dust, grease and nicotine. Leaves behind an anti-static effect in order to provide long-term surface protection against contamination. Also suitable for use on sensitive plastics and glass surfaces. Application on flat and plasma screens, computers, notebooks and all other types of plastic.

11 200 ml 12 15 1151



12 Multi-foam

13 the powerful universal cleaner, fully biodegradable. Cleans all metals, glass and plastic parts without leaving residue, eliminates insects, smears, protective films, freshens matt and weathered plastics, prevents rubber seals from bonding and freezing solid, etc.

14 400 ml 12 15 1152

15 Technical sprays

16 AT 44 all-round spray with PTFE

17 corrosion protection, cleaning, lubrication, water displacement and conservation in a single product. Displaces moisture from electrical lines, prevents creep currents, loosens seized screws, etc. eliminates squeaking and creaking noises, cleans surfaces. Leaves behind a wafer-thin film that does not stick and does not attract dust.

18 400 ml 12 15 1000



19 PTFE spray

20 a dry, clean, grease-free, highly-adhesive and durable dry lubricant. Dirt, dust and water repellent. Resistant to corrosive chemicals and oils. Temperature-resistant from -180 °C to +250 °C.

21 400 ml 12 15 1002

22 Silicone spray

23 an ideal lubricating, protecting, maintenance and separating agent. Makes the winding of cables easier, protects electric contacts against moisture, protects rubber, plastic and metal parts.

24 400 ml 12 15 1004

25 Rust remover and contact spray

26 corrosion protection, cleaning, lubrication, water displacement and conservation in a single product. Removes rust, displaces water from ignition contacts and electrical lines, provides sustainable protection against corrosion and greases sliding surfaces, with good creeping properties. Prevents creep currents, sparks and short circuits.

27 400 ml 12 15 1040

28 Freeze spray

29 for thermal troubleshooting and the quickest functional testing of electrical components, thermostats, ignition- and control units, for the cooling of motor parts and heat-sensitive components (e.g. in order to prevent overheating during soldering), cools locally to -45 °C, suitable for all materials (excluding plastics), highly flammable.

30 400 ml 12 15 1090

31 Compressed air spray

32 removes dust and loose contamination without residue, thus enabling a dry, contact-free cleaning, even on inaccessible corners and sensitive surfaces when dealing with electronic devices, magnetic heads, cameras, clockwork mechanisms, model-making equipment, measurement technology, etc.

33 400 ml 12 15 1092

34 Note: Due to the limited shelf-life, it is not possible to return the spray and cleaner cans.

Design	Size mm	PU	Article no.
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Design	Size mm	PU	Article no.
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All-round spray

high-performance maintenance and service product for all applications in the fields of industry, trade, household and hobby, acts as a corrosion protection on metal parts, as a penetrating oil (rust remover, elimination of squeaking and creaking noises), as a water displacing agent, as a lubricant and as a cleaner (including oil, grease, tar and adhesive residue), leaves behind a long-lasting adhesive film that neither smears nor sticks. Ideal application in the field of electrical engineering and electronics as an anti condensation agent on circuit boards, as a contact spray on generators and solenoid switches.

400 ml	12	15 1120
50 ml	12	15 1122



NEW

Smoke detector test spray

special testing gas for the quick and reliable functional testing of photoelectric (optoelectronic) smoke detectors without complex testing equipment. Tin content sufficient for approx. 150 smoke detector tests.

1	15 1126
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Adhesives

Assembly adhesive

for the quick, universal bonding of metals, various plastics, concrete, marble, natural and artificial stone, ceramics, enamel, plaster as well as MDF board, wooden board, chipboard, fibreboard and plasterboard. Thanks to its solid consistency, it is possible to bond cable channels in areas where drilling is not possible (e.g. on wall and ceiling) without any problems whatsoever. The assembly adhesive is silicone and solvent free and can be coated / painted over ("wet on wet").

white	310 ml	12	15 1154
grey	310 ml	12	15 1156



Epoxy minute adhesive

transparent 2-component adhesive with extremely good adhesive properties, elastic as well as impact/tension/shock resistant, for all materials.

24 g	12	15 1210
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Fast metal minute adhesive

steel-filled 2 component epoxy minute adhesive, high impact and tensile strength, temperature resistant from -60 °C to +145 °C.

24 g	12	15 1215
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CIMLOCK screw locker

premium adhesive and sealant for the securing, fastening and sealing of screws, studs, joint and surface connections.

Hardening takes place following metal contact with the air. Medium-strength, for gap bridging between 0.05 mm and a max. of 0.25 mm.

24 ml	12	15 1224
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Universal instant adhesive

solvent-free and cold-setting cyanoacrylate adhesive that hardens under pressure.

20 g	12	15 1200
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Silicone

1 component adhesive and sealant, bonds to the majority of sub-surfaces such as aluminium, steel, glass, glass fabric, ceramic, plastic, wood and many other materials.

transparent	310 ml	12	15 1260
white	310 ml	12	15 1262
grey	310 ml	12	15 1264



Metal sprays

Zinc spray

Durable, quick-drying cathodic corrosion protection with long-term effect for all metal surfaces, resistant against salt, water and heat up to approx. 500 °C, suitable for the improvement of damaged zinc layers.

400 ml	12	15 1100
400 ml	12	15 1102

Aluminium spray

99.5% pure aluminium, long-term heat resistant protection up to +800 °C, bonds to almost all materials such as steel, non-ferrous metal, wood, cardboard, plastic, ceramic, etc. resistant against weathering.

400 ml	12	15 1110
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Stainless steel spray

corrosion-resistant and effective surface coating, securely bonds to all metals, glass, wood, stone, cardboard and the majority of plastics.

400 ml	12	15 1114
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Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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WET.PROTECT

protects against wet and moisture-related short circuits, failure and corrosion, infiltrates the moisture and subsequently forms a permanent protective film, obtains conductivity and increases the service life of the treated parts, can be used as a preventative measure or directly following the effects of moisture as a means of repair.

For use in industry, trade and the domestic household

e.basic	50 ml	1	15 1140
e.basic	200 ml	1	15 1142

For use on motorbikes, trikes and mopeds

e.motorbike	50 ml	1	15 1144
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For use on boats and yachts in saltwater environments

e.nautic	50 ml	1	15 1146
e.nautic	200 ml	1	15 1147

For use on passenger cars and heavy goods vehicles

e.car	50 ml	1	15 1148
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Note: Due to the limited shelf-life, it is not possible to return the spray and cleaner cans.

Cartridge gun

for all standard cartridges (e.g. silicone), open skeleton structure, soft delivery stroke, extremely long service life, with pressure release and spray nozzle opener

1	15 1270
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Hot glue gun set

electronic temperature control, mechanical feed device for glue sticks, approx. melting temperature 120 °C, approx. heating time 7 min., output 25 W, for 11 mm ø glue sticks. Supplied in a practical plastic case complete with 6 glue sticks.

Corr. 11 mm ø glue sticks	200 mm in length	1	18 1400
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Plaster and assembly cement

Supply to [wholesale trade in Germany](#) exclusively in full packaging units (= 1 pallet per article) and from a minimum delivery amount of 5 t per shipment!

PU = 1 pallet

in paper sack	25 kg	24 sacks	14 0330
	10 kg	60 sacks	14 0332
	5 kg	120 sacks	14 0334

in plastic bucket	10 kg	44 buckets	14 0335
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Fixing plaster

for the fixing of plasterboard, plaster fibre and plasterboard composite plates onto stable and absorbent sub-surfaces. Pre-treat smooth concrete surfaces with Betokontakt and highly absorbent sub-surfaces with primer or absorbent substrates. The guidelines provided by the construction panel manufacturer must be observed. Also suitable for the fixing of interior plaster profiles. Approx. processing time: 50 minutes, approx. material consumption of 5 kg / m², approx. storage time: 6 months.

PU = 1 pallet

in paper sack	25 kg	40 sacks	14 0338
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Design

Size mm

PU

Article no.

cimco®

Design**Size mm****PU****Article no.****RED-WHITE bonding plaster**

single-layer interior plaster complete with adhesive additives and high yield for manual processing on all common plaster sub-surfaces as well as on rough or smooth concrete surfaces in interior areas including domestic kitchens and bathrooms. A pre-treatment with Betokontakt is essential when dealing with smooth sub-surfaces. Smoothened, felted or can be freely processed. Processing time approx. 60 minutes (depending upon processing conditions), recommended plaster thickness 8 mm, approx. material consumption 5 m² / 25 kg sacks with a plaster thickness of 8 mm, approx. storage time: 6 months.

PU = 1 pallet

in paper sack

25 kg

40 sacks

14 0342

**Assembly cement MZ 1**

quick-hardening cement for attachments, assemblies and repairs. For the dowelling and fastening of consoles, rails, wall hooks, doors, gates, frames, switch boxes and much more. For the sealing of water penetrations in concrete, masonry and pipes. For the improvement of steps, screed, concrete and plaster. Approx. processing time of 5 – 7 minutes, approx. mixing ratio of 0.15 – 0.2 l water / 1 kg powder, approx. storage time of 12 months.

PU = 1 pallet

in plastic bucket

7 kg

80 buckets

14 0346

15 kg

44 buckets

14 0348

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Design**Size mm****PU****Article no.****cimco®**

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WORKSHOP AND BUSINESS EQUIPMENT, WORK CLOTHES

Warranty

A 5 year durability warranty speaks for the professional qualities of the ladders.

Stability

A wide floor beam provides additional stability and a steady hold, especially when it comes to large ladders.



Fibre glass beams in a H shape enable an equally low weight and high stability of the ladders. The grooved aluminium rungs are crimped three times and twist and fracture-proof as a result.



2 wall rollers on the upper end of the ladder protect walls and other surfaces when the ladder is used as a leaning ladder and enable the ladder to be extended to the desired height.



Insulation

The insulating effect of the plastic ladders up to 100,000 Volt is regularly tested and confirmed by independent testing institutes.

Locks manufactured from stable plastic prevent the unintentional extension of the ladders.



cimco®

Plastic ladders

ladders with tested and extremely ageing-resistance fibre glass beams with an insulating effect, designed especially for professional users that work in close proximity to cables, connections or other live systems.
 Light and handy thanks to the special design of the GRP beams (hollow / C-shape) as well as aluminium rungs / steps, rungs and steps durably crimped twofold with the beams, rung distance 280 mm, capacity 150 kg, anti-slip stability thanks to rubber ladder feet, includes comprehensive operating, assembly and safety instructions. Ladders comply with European Standard EN 131 and electrical tests according to DIN 53 481, 53 482 and 53 483 performed by independent testing institute C.E.S.I., 5 durability warranty.

Leaning rung ladder

Insulating ladder up to 100,000 V. Light and stable rung ladder, hollow GRP beams in H-shape (70 x 32 mm or 90 x 32 from 16 rungs), aluminium rungs with a width of 27 mm and length of 365 mm, ladder outer width 420 mm.

Number of rungs	Height m	Weight kg		
8	2.30	8	1	14 6008
10	2.85	10	1	14 6010
12	3.45	12	1	14 6012
14	4.00	13	1	14 6014
16	4.55	15	1	14 6016



2-piece rung step ladder and extension ladder

Insulating ladder up to 100,000 V. Combined two piece rung ladder that can be used as a step ladder as well as an extension ladder (leaning ladder). Ideal stability thanks to the floor beam, height of the extension ladder can be adjusted from rung to rung by hand, 2 wall rollers on the upper end of the ladder, aluminium locking and opening mechanism, high-strength lashing straps against the unintentional opening of the step ladder, hollow GRP beams in H-shape (70 x 32 mm or 90 x 32 from 12 rungs), aluminium rungs with a width of 27 mm and a length of 425 mm, outer width 480 mm.

Number of rungs	Step ladder height (m)	Extension ladder- height max. (m)	Weight kg		
2 x 8	2.30	4.05	19	1	14 6108
2 x 10	2.90	5.20	23	1	14 6110
2 x 12	3.40	6.30	27	1	14 6112
2 x 14	4.00	7.15	30	1	14 6114
2 x 16	4.50	8.25	34	1	14 6116
2 x 18	5.00	9.10	38	1	14 6118



3-piece rung step ladder and extension ladder

Insulating ladder up to 100,000 V. Combined three piece rung ladder that can be used as a step ladder as well as an extension ladder (leaning ladder). When being used as a step ladder, the third upper part of the ladder serves only as a safety bridge. Ideal stability thanks to the floor beam, height of the step ladder can be adjusted from rung to rung by hand, 2 wall rollers on the upper end of the ladder, aluminium locking and opening mechanism, high-strength lashing straps protecting against the unintentional opening of the step ladder, hollow GRP beams in H-shape (90 x 32 mm or 70 x 32 with 8 rungs), aluminium rungs with a width of 27 mm and a length of 425 mm, outer width 480 mm.

Number of rungs	Step ladder height (m)	Extension ladder- height max. (m)	Weight kg		
3 x 8	2.30	5.75	27	1	14 6208
3 x 10	2.90	7.45	32	1	14 6210
3 x 12	3.40	8.60	38	1	14 6212
3 x 14	4.00	10.25	43	1	14 6214



1 Design

2 Size/Weight

3 PU

4 Article no.

2-piece rung extension ladder with cable pull

Insulating ladder up to 100,000 V. Can only be used as an extension ladder and not as a step ladder! Ideal stability thanks to the floor beam, height of the step ladder can be comfortably adjusted from rung to rung by cable pull, 2 wall rollers on the upper end of the ladder, aluminium locking and opening mechanism, hollow GRP beams in H-shape (90 x 32 mm), aluminium rungs with a width of 27 mm and a length of 420 mm, outer width 490 mm.



Number of rungs	Length (m)	Extension ladder height max. (m)	Weight kg	PU	Article no.
2 x 12	3.50	6.00	28	1	14 6312
2 x 18	5.20	9.10	39	1	14 6318

3-piece rung extension ladder with cable pull

Insulating ladder up to 100,000 V. Same equipment and processing as with the 2-piece extension rung ladders as stated above



Number of rungs	Length (m)	Extension ladder height max. (m)	Weight kg	PU	Article no.
3 x 12	3.50	8.60	40	1	14 6412
3 x 14	4.10	10.25	45	1	14 6414

Step ladder

Insulating ladder up to 100,000 V. 80 mm wide grooved aluminium steps on both sides for safe and comfortable standing, especially when undertaking lengthy work, aluminium connecting joints, stable and collapsible bars on both sides preventing the unintentional opening of the step ladder, GRP beams in C-shape (82 x 30 mm), outer ladder width 480 mm.



Number of steps	Height m	Weight kg	PU	Article no.
2 x 6	1.50	7.5	1	14 6506
2 x 8	2.00	10.5	1	14 6508
2 x 10	2.50	13.5	1	14 6510
2 x 12	3.00	21.6	1	14 6512

Aluminium folding ladder

according to European Standard EN 131

50 x 25 mm aluminium rectangular pipe design, with 30 x 26 cm aluminium platform, narrow design measuring only 14 cm (when folded up). Hooks and tool tray for the safe storage of objects. Two aluminium hinges protect against unintentional opening, two nylon retainers act as an opening restrictor. The step distance measures 25 cm, complete with anti-slip plastic feet, max. load-bearing capacity 150 kg.



Number steps	Height m	Weight kg	PU	Article no.
6	1.96	7.0	1	14 6740
7	2.19	7.8	1	14 6742
8	2.42	8.6	1	14 6744

26 Design

27 Size/Weight

28 PU

29 Article no.

Aluminium ladders

Height-adjustable aluminium telescopic ladder

flexible 3-in-1 aluminium rung ladder that can be used as a leaning ladder, an extension ladder as well as a step ladder. Both sides of the ladder can be extended from run to run separately from one another, as a result, this ladder can also be used on inclined surfaces as well as on stairs. Light, handy, easy to use and is professionally equipped and finished: maximum load-bearing capacity for 6 to 9 rungs: 150 kg, for 10 and 12 rungs: 120 kg, ideal stability thanks to rubber feet, automatic aluminium joints, completely secure and comfortable locking of the ladder thanks to 4 locking elements complete with spring bolts, snap-in hooks and covers manufactured from break-proof plastic, complete with practical plastic tool holder measuring 310 x 260 mm, continuously grooved, crimped aluminium rungs, rung width of 27 mm, rung distance of 280 mm, according to DIN EN 131.

Number Steps	Height min. (m)	Step ladder- height (m)	Height max. (m)	Weight kg		
2 x 6	0.97	1.46	3.00	8.5	1	14 6706
2 x 7	1.25	1.71	3.55	9.6	1	14 6707
2 x 8	1.25	1.96	4.10	11.0	1	14 6708
2 x 10	1.53	2.51	5.22	13.0	1	14 6710
2 x 12	1.81	3.10	6.35	15.0	1	14 6712



Aluminium telescopic ladder X-TEND

from 0.8 to 3.8 metres in a couple of seconds. X-TEND is a new telescopic ladder complying with European Standard EN 131 for professional use in the fields of trade and industry. By simply pulling out the ladder beams from rung to rung, the height of the ladder can be varied as desired and can be fixed into the desired position by means of the self-locking safety buttons. After use, the ladder independently retracts by pressing the locking buttons. Extremely compact in the transport position (only 80 cm in length), extendable to a maximum of 3.80 metres. Manufactured from abrasion-resistant anodised aluminium. 13 rungs with a width of 40 mm and an anti-slip profile for comfortable and safe working, rung distance of 30 cm, lower ladder beam diameter of 8 cm, 49 cm wide floor beam complete with anti-slip plastic feet, max. load-bearing capacity of 150 kg, weighs only 11.5 kg.

800 mm 1 14 6720

Aluminium telescopic ladder X-TEND PLUS

the further development of the X-TEND telescopic ladder sets new standards for the user. Manufactured according to European Standard EN 131. Can be used as a leaning ladder with a height of 2.30 metres and as a step ladder with a height of 1.70 metres. The two last rungs (0.60 metres) additionally serve as a safety function for leaning or securing. Ideal for use on stairs. Thanks to the telescopic function, the ladder can be stored in the most confined of spaces and increases carrying comfort. 6 rungs with a width of 40 mm and an anti-slip profile for comfortable and safe working, rung distance of 30 cm, max. load-bearing capacity of 150 kg, weighs only 19.3 kg.

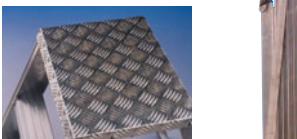
750 mm 1 14 6722



Folding working platform

manufactured from lightweight metal. Can be folded with one handle, stable aluminium rectangular pipe beams, upper standing area (platform) manufactured from grooved aluminium sheet metal, wide platform (300 x 400 mm) and 80 mm wide grooved steps for the utmost step safety, anti-slip PVC ladder feet, doubly secured against unintentional folding by snap-in platform and safety struts, load-bearing capacity of 150 kg, step distance of 250 mm, step length of 750 mm, ladder width when folded only 150 mm, complies with European Standard EN 131

Number steps	Height m	Width m	Weight kg			
3	0.69	0.54	4.6	1	14 6800	

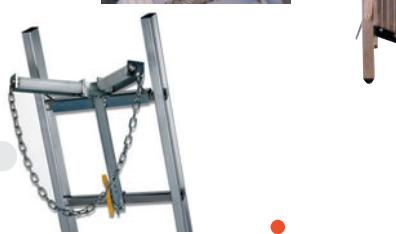


Ladder accessories

Safety equipment for masts

equipment to protect against the unintentional slipping of leaning ladders on masts (lighting posts and power posts, flag poles, trees and similar objects), universal fastening onto all rung ladders, complete with 2 plastic sliding surfaces and stable safety chain. Max. diameter 280 mm

1 14 6810



	Design	Size/Weight	PU	Article no.		
1	Cable drum with double tube frame (red powder-coated), with patented cable guidance and 3 professional 230 V 16A 3p protective contact sockets with spring hinged covers and thermo switch, drum body manufactured from special material with properties similar to hard-rubber and ventilation slits for improved heat dissipation. H07RN-F 3G1.5 supply line, IP 44 protection class.	25 m 40 m	285 x 370 x 220 285 x 370 x 220	1 1	14 6900 14 6902	
2						
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13	Hand cleaner with biodegradable abrasive agent (walnut shell flour), good cleaning power when dealing with medium soiling caused by oils, greases, carbon black, graphite, metal dusts, lubricants for example, good skin tolerance, solvent and soap-free, scented.	Tube Soft bottle dispenser	250 ml 2000 ml	1 1	14 6904 15 1626 15 1624	
14						
15						
16	Hand cleaner dispenser for the accommodation of the 2 litre hand cleaner soft bottles, in proven quality and function, simple handling and filling, also suitable for use in shower rooms, shock-proof plastic housing for wall assembly, with drip-proof dosage mechanism.	white	135 x 135 x 320 mm	1	15 1630	
17						
18						
19	Moist cleaning cloths ideal if areas need to be cleaned with only a small amount of liquid in order to prevent danger from occurring to sensitive technology, for hands, tools and machines, removes greases, lubricant, adhesive, oil, tar, asphalt, ink, carbon, graphite and similar soiling, moist viscous cloths with a textile characteristics, immersed in a liquid detergent, quick-drying without residue, particularly skin-friendly, pleasant fresh fragrance, supplied in a handy, resealable dispenser bucket with 72 cloths.		250 x 250 mm	1 bucket	14 5018	
20						
21	Skin care cream fast-absorbing cream for the hands and face especially for the care of skin under strain due to work and the environment, suitable for all skin types, moderately oily, silicone-free, unscented.	tube	100 ml	1	15 1628	
22						
23	Pickaxe according to DIN 20 109, with oval eye, painted black, with wooden handle.	3 kg		1	13 1424	
24						
25	Sand shovel (Frankfurt shape) according to DIN 20 121, round-pointed shape, oil-hardened, with handle sleeve, with beech handle.		300 x 270 mm	1	13 1428	
26	Sand shovel (Holstein shape) according to DIN 20 120, square shape, oil-hardened, with handle sleeve, with beech handle.		250 x 270 mm	1	13 1430	

	Design	Size/Weight	PU	Article no.	cimco®
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Design	Size/Weight	PU	Article no.
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Snow shovel

with an ergonomic plastic push grip and light aluminium handle, 27 mm ø.

The grip enables a comfortable one-handed pushing and lateral tipping of the snow as well as an ideal power distribution to the blade and the edge. Cold insulating aluminium handle with an elastic, soft-plastic profiling.

Plastic snow shovel

clearing blade cold impact-resistant to -40 C° and resistant to grit. Slider stabilisers ensure additional blade stability, runner effect for better sliding. Raised sides prevent a lateral slipping of the snow. Highly abrasion-resistant plastic edge, therefore low noise and protects the sub-surface.

Ideal for natural stone and tiled floors

Blade size 50 x 37 cm

Length 155 cm

1

13 1432



- 2 NEW
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- 5 NEW
- 7 NEW
- 8 NEW
- 9 NEW
- 10 NEW
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- 26 NEW

Aluminium snow shovel

clearing blade manufactured from lightweight strip aluminium, thickness 1.8 mm. Widened rib reinforcement and robust aluminium profile edge provide the blade with more stability and improve the sliding characteristics. High side edge prevents the lateral slipping of the snow and ensures a high-volume snow collection.

Ideally slides over plaster and natural stone joints.

Blade size 50 x 35 cm

Length 158 cm

1

13 1434

Grit and lava grit

supply to [wholesale trade in Germany](#) upon a minimum purchase of four full pallets (=1 pallet per article). Furthermore, it must be ensured that the supplying 40 t HGV can be unloaded from one side using a forklift truck. The Euro pallets will be exchanged on a 1:1 basis.

Grit

the free-flowing, easy to spread grit can be distributed by hand or using standard spreading equipment without any problems whatsoever.

3 kg	Bag	1	14 0380
10 kg	Sack	1	14 0382
25 kg	Sack	1	14 0384
10 kg	Bucket	1	14 0386



Winter spreading lava

immediate and long-lasting dulling effect to ensure safe walking and driving, can be applied by hand or using spreading equipment without any problems whatsoever.

10 kg	Sack	1	14 0388
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Construction bucket

with litre scale, manufactured from premium polyethylene regenerate mixture, recyclable, reinforced bottom, galvanised 5 mm handle.

black	12 litre	1	13 1435
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Street broom

for coarse and stuck dirt - including moist dirt - on streets and factory surfaces, particularly durable plastic fibres (Elaston), flat wood with handle hole, supplied without handle.

red	400 mm	1	14 3024
matching wooden handle	1.4 m	1	14 3028



Hall broom

for light and dusty dirt on dry floors, highest quality manufactured from horsehair, saddle wood with handle hole, supplied without handle.

black	600 mm	1	14 3026
matching wooden handle	1.4 m	1	14 3028



Hand brush

premium quality and manufactured from horsehair complete with black bristles, manufactured from wood

300 mm	1	14 3030
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Design

Size/Weight

PU

Article no.

cimco®

Design	Size/Weight	PU	Article no.
Dustpan robust design manufactured from painted metal.		1	14 3032



All-purpose waste bag

approx. content of 120 l, manufactured from recyclable polyethylene regenerate film (PE-LD), problem-free incineration at landfill sites thanks to its groundwater-neutral behaviour and no release of harmful gases or substances, film thickness of 80 µm, particularly stable and tear-proof, water-proof, 25 bags per roll.

blue	700 x 1100 mm	1 roll	14 5001
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Cover sheets

clear-transparent, manufactured from recyclable polyethylene regenerate film, dimensions 4 m x 5 m = 20 m²

manufactured from PE-HD	film thickness 12 µm	1	14 5004
manufactured from PE-LD	film thickness 18 µm	1	14 5006



Non-slip non-woven cover

absorbent, non-woven material coated with non-slip PE membrane for the protection of sensitive surfaces and smooth marble, wood (parquet, boards), plastic, laminate, carpet and similar types of floors, prevents the leakage of paints, dilutions, oil, adhesives, plaster, etc., simple to cut and easy to lay, re-usable.

1 m x 25 m	1 roll	14 5007
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Overshoes

ideal for all areas of application, for the prevention of dirt and damage caused by fitter's / work shoes
permeable to air and water vapour, anti-static, abrasion-resistant, lint-free, colour: white

flat	1	14 0235
flat with outsole	1	14 0236



unsterile, can be worn on both feet, rectangular shape, elasticated opening, hammered PE film
(anti-slip effect), free from formaldehyde and chlorine, colour: blue

flat	1000	14 0229
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NEW

Design

Size/Weight

PU

Article no.

cimco®

Design	Size/Weight	PU	Article no.
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Professional work clothing

Print and embroidery service for emblems

with durable sewn or printed company emblem, work clothing is tax-deductable and you also take advantage of the advertising effect for your company. We produce the woven, embroidered or printed emblems in accordance with your requirements and either sew or seal the respective emblems onto the clothing. We are happy to advise you regarding design, processing and cost issues.

Dungaree overalls

canvas stretch – 60 % cotton / 40 polyester, 300 g/m²

Double bib pocket complete with flap and zip, higher back section, double folding ruler pocket, mobile phone pocket and additional front pocket, 2 back pockets. 2 side pockets, thigh pocket with zip and mobile phone pocket, pockets for knee pads, elasticated straps, side elasticated inserts, reflective piping, colour coded

Size	Anthracite/grey Article no.	Navy/royal blue Article no.	Black/red Article no.	PU	Article no.
46-48	30 0047	30 0048	30 0046	1	
50-52	30 0051	30 0052	30 0050	1	
54	30 0054	30 0055	30 0053	1	
56-58	30 0057	30 0058	30 0056	1	
60-62	30 0061	30 0062	30 0060	1	



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Jeans trousers with waistband

canvas stretch – 60 % cotton / 40 % polyester, 300 g/m²

Double folding ruler pocket, additional front pocket, 2 side pockets, 2 back pockets, 1 thigh pocket with zip and mobile phone pocket, pockets for knee pads, reflective piping, colour coded

Size	Anthracite/grey Article no.	Navy/royal blue Article no.	Red/black Article no.	PU	Article no.
46-48	30 0147	30 0148	30 0146	1	
50-52	30 0151	30 0152	30 0150	1	
54	30 0154	30 0155	30 0153	1	
56-58	30 0157	30 0158	30 0156	1	
60-62	30 0161	30 0162	30 0160	1	



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Jackets

canvas stretch – 60 % cotton / 40 % polyester, 300 g/m²

covered front zip, stand-up collar, 2 chest pockets and additional mobile phone pocket, 2 side pockets with flap, sleeve cuffs adjustable via popper, inside pocket, reflective piping, colour coded

Size	Anthracite/grey Article no.	Navy/royal blue Article no.	Black/red Article no.	PU	Article no.
46-48	30 0247	30 0248	30 0246	1	
50-52	30 0251	30 0252	30 0250	1	
54	30 0254	30 0255	30 0253	1	
56-58	30 0257	30 0258	30 0256	1	
60-62	30 0261	30 0262	30 0260	1	



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Design	Size/Weight	PU	Article no.	cimco®
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Design	Size/Weight		PU	Article no.
Soft shell jackets				
1	outer material: 94 % polyester, 6 % elastane			
2	Lining manufactured from 100% polyester fleece, 2 side pockets, 1 chest pocket, 2 inside pockets,			
3	1 mobile phone pocket, adjustable waist via drawstring			
4	Size	Grey/black	Black/ grey	Black/red
5	Article no.	Article no.	Article no.	Article no.
6	46-48	30 0346	30 0347	30 0348
7	50-52	30 0350	30 0351	30 0352
8	54	30 0353	30 0354	30 0355
9	56-58	30 0356	30 0357	30 0358
10	60-62	30 0360	30 0361	30 0362
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T-Shirts

jersey - 100 % cotton, 190 g/m²

Tubular product (only one side seam), neck band, ribbed collar with elastane

Size	Black	Blue	Red	Grey	Article no.	PU
46-48	30 0502	30 0512	30 0522	30 0532	1	
50-52	30 0504	30 0514	30 0524	30 0534	1	
54	30 0506	30 0516	30 0526	30 0536	1	
56-58	30 0508	30 0518	30 0528	30 0538	1	
60-62	30 0510	30 0520	30 0530	30 0540	1	



Polo shirts

pique - 100 % cotton, 210 g/m²

Button panel, neck band, side slit, double seam on the sleeves and waist

Size	Black	Blue	Red	Grey	Article no.	PU
46-48	30 0602	30 0612	30 0622	30 0632	1	
50-52	30 0604	30 0614	30 0624	30 0634	1	
54	30 0606	30 0616	30 0626	30 0636	1	
56-58	30 0608	30 0618	30 0628	30 0638	1	
60-62	30 0610	30 0620	30 0630	30 0640	1	



Sweatshirts

50 % cotton / 50 % polyester fleece, 280 g/m²

elastic knitwear on the sleeve cuffs, collar and waist, double seams on the collar

Size	Black	Blue	Red	Grey	Article no.	PU
46-48	30 0702	30 0712	30 0722	30 0732	1	
50-52	30 0704	30 0714	30 0724	30 0734	1	
54	30 0706	30 0716	30 0726	30 0736	1	
56-58	30 0708	30 0718	30 0728	30 0738	1	
60-62	30 0710	30 0720	30 0730	30 0740	1	



Design	Size/Weight		PU	Article no.
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Do you have the correct size? It's as simple as this...

Size	Unisex-size	Figure	Body size	Chest circum.	Sleeve length	Waist circum.	Hip circum.	Side length
46	S	normal	171	92	44	80	96	103
48	S		174	96	45	84	100	105
50	M		177	100	46	88	104	107
52	M		180	104	47	92	108	108
54	L		182	108	47,5	98	112	109
56	L		184	112	48	102	116	111
58	XL		186	116	48,5	108	120	113
60	XL		187	120	49	112	124	114
62	XXL		189	124	49	118	128	115
94	L	slim	182	94	48	80	96	109
98	L		184	98	49	84	100	110
102	XL		186	100	50	88	104	112
106	XXL		189	104	50,5	92	108	114
110	XXL		192	108	51	97	112	115

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Design	Size/Weight		PU	Article no.	cimco®

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PRESSING AND CRIMPING TOOLS

OPTIMIZED INTERCHANGEABLE HEAD SYSTEM VERSION 2.0

With the interchangeable head system, a wide variety of applications can be carried out with only one device and with professional quality.



Hydrauliksystem
Genius[®]
2.0



**Three areas of application
with only one basic tool**



- Crimping up to 300 mm²
DIN compression cable lugs



- Cutting up to a diameter of 50 mm
(corresponds to 4 x 120 mm²)



- Punching up to ISO 63 diameter size or
square punching 92 x 92 mm

cimco[®]

Die	For cross-section mm ²	Size mm	PU	Article no.
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click 'n' crimp sets

click 'n' crimp is available in standard sets, consisting of the crimping pliers body and the three most frequently used crimping profile inserts for a particular application:



click 'n' crimp ELECTRICAL ENGINEERING

with crimping profile inserts no. 10 6010 (for insulated cable lugs 0.5 mm² to 6 mm²), no. 10 6011 (for non-insulated cable lugs 0.5 mm² to 10 mm²) and no. 10 6012 (for cable end sleeves 0.5 mm² to 10 mm²)

1 10 6000

click 'n' crimp AUTOMOTIVE

with crimping profile inserts no. 10 6010 (for insulated cable lugs 0.5 mm² to 6 mm²), no. 10 6011 (for non-insulated cable lugs 0.5 mm² to 10 mm²) and no. 10 6013 (for blade receptacles and blade terminals with open crimping ears 0.5 mm² to 6 mm²)

1 10 6002

click 'n' crimp DATA NETWORK TECHNOLOGY

with crimping profile inserts no. 10 6015 (for BNC/TNC coaxial plug connectors), no. 10 6017 (for unshielded 8-pin modular plugs) and no. 10 6019 (for shielded 8-pin modular plugs, CIMCO and similar designs)

1 10 6009

click 'n' crimp SOLAR TECHNOLOGY

with crimping profile inserts no. 10 6010 (for insulated cable lugs 0.5 mm² to 6 mm²), no. 10 6027 (for solar plug connectors type MC 3 from 2.5 mm² to 6 mm²) and no. 10 6028 (for solar plug connectors type MC 4 from 2.5 mm² to 6 mm²)

1 10 6052



click 'n' crimp crimping profile dies

click 'n' crimp can be put together according to the user's individual requirements:

click 'n' crimp crimping pliers body without crimping profile dies

1 10 6005

click 'n' crimp crimping profile dies (in pairs, consisting of upper and lower profile jaw) for insulated cable lugs, red - blue - yellow /from 0.5 mm² to 6 mm² or respectively AWG 22 to AWG 10, oval crimping (W)

IS 1 pair 10 6010

for non-insulated cable lugs 0.5 mm² to 10 mm² or respectively AWG 22 to AWG 8, indent crimping (N)

Q R 1 pair 10 6011

for insulated/non-insulated cable end sleeves 0.5 mm² to 10 mm² or respectively AWG 22 to AWG 8, trapezoid crimping (B)

AE 1 pair 10 6012

for insulated/non-insulated ferrules 16 mm² to 35 mm² or respectively AWG 5 to AWG 2, trapezoid-indent crimping (D2)

AE 1 pair 10 6014

for non-insulated blade terminal connectors and blade receptacles with open crimping ears from 0.5 mm² to 6 mm² or respectively AWG 22 to AWG 10, roll pressing (C)

FL 1 pair 10 6013

for BNC/TNC coaxial plug connectors RG 58, RG 59, RG 62 AU, RG 174, hexagonal crimping (A)
(crimping sizes: 1.73 mm / 0.068" - 4.75 mm / 0.187" - 5.41 mm / 0.213" - 6.048" mm / 0.255")

1 pair 10 6015

for unshielded 6-pin modular plugs (Western plugs) RJ 11 (6P4C) and RJ 12 (6P6C), SS design, AMP (M4)

1 pair 10 6016

for unshielded 8-pin modular plugs (Western plugs) RJ 45 (8P8C), SS design, AMP (M5)

1 pair 10 6017

for shielded 8-pin modular plugs (Western plugs) RJ 45 (8P8C) CAT 5 etc., CIMCO design (M2)

1 pair 10 6019

for shielded 8-pin modular plugs (Western plugs) RJ 45 (8P8C) CAT 5 etc., HIROSE TM 11/21 design (M1)

1 pair 10 6018

for solar plug connectors type MC 3 from 2.5 mm² to 6 mm² (C3)

1 pair 10 6027

for solar plug connectors type MC 4 from 2.5 mm² to 6 mm² (C4)

1 pair 10 6028



Die	For cross-section mm ²	Size mm	PU	Article no.
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Die	For cross-section mm ²	Size mm	PU	Article no.
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One-handed system crimping pliers

compound leverage crimping pliers with ratchet mechanism and pressure point unlocking, with numerous interchangeable crimping dies fixed by two fastening screws. The ergonomically shaped crimping pliers are easy and convenient to use. The lever action of the handle starts the integral automatic ratchet mechanism. Forced unlocking can be regulated, guaranteeing optimum crimping results. All dies are made of carbon tool steel and are suitable for use with the PROFI-CRIMP (article no. 10 6112) and SUPER-LIGHT (article no. 10 6150) crimping pliers. The 15 different profiles are suitable for almost all kinds of cable connector crimping.

for oval crimping

Tool body PROFI-CRIMP	1	10 6112
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Crimping profile inserts for:

insulated cable lugs according to DIN: 0.5 to 1 (red), 1.5 to 2.5 (blue), 4 to 6 mm² (yellow), AWG: 10/12 - 14/16 - 18/20, with oval crimping

Crimping pliers complete with dies	220	1	10 6144
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Crimping profile dies, loose, oval crimping	IS	1 pair	10 2004
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Crimping profile dies, loose, standard crimping	IS	1 pair	10 2008
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non-insulated cable lugs according to DIN: 1.5 to 10 mm², AWG: 8 to 20

Crimping pliers complete with dies	220	1	10 6134
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Crimping dies, loose, indent crimping	Q R	1 pair	10 2003
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non-insulated plug connectors with open crimping ears according to DIN: 0.5 to 1, 1.5 to 2.5, 4 to 6 mm², AWG: 10/12 - 14/16 - 18/20

Crimping pliers complete with dies	220	1	10 6136
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Crimping profile dies, loose, roll crimping	FL	1 pair	10 2002
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insulated and non-insulated cable end sleeves according to DIN: 0.5 - 0.75 - 1.5 - 2.5 - 4 - 6 - 10 - 16 mm², AWG: 6 - 8 - 10 - 12 - 14 - 16 - 20 - 22

Crimping pliers complete with dies	220	1	10 6120
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Crimping profile dies, loose, trapezoid crimping	AE	1 pair	10 2001
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insulated and non-insulated cable end sleeves according to DIN: 16 - 25 - 35 mm²

Crimping pliers with dies	220	1	10 6140
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Crimping profile dies, loose, trapezoid crimping	AE	1 pair	10 2006
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insulated and non-insulated cable end sleeves according to DIN: 25 and 50 mm²

Crimping pliers complete with dies	220	1	10 6142
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Crimping profile dies, loose, trapezoid crimping	AE	1 pair	10 2007
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shielded modular plug, 8-pin, RJ 45 CAT.5 (8P8C), CIMCO design (F236Q)

Crimping pliers complete with dies	220	1	10 6201
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Crimping profile dies, loose		1 pair	10 6217
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shielded modular plug, 8-pin, RJ 45 CAT.5 (8P8C), HIROSE design (2Q1)

Crimping pliers complete with dies	220	1	10 6202
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Crimping profile dies, loose		1 pair	10 6215
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shielded modular plug, 8-pin, RJ 45 CAT.5/6 (8P8C), Stewart Stamping design (2S)

Crimping pliers complete with dies	220	1	10 6203
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Crimping profile dies, loose		1 pair	10 6216
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BNC/TNC coaxial plug connectors RG 55, RG 58, RG 59, RG 62, RG 174, RG 8279, LWL (3A4)

Crimping pliers complete with dies	220	1	10 6138
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Crimping profile dies, loose, hexagonal crimping		1 pair	10 6218
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fibre-optic connector with round crimping, e. g. for SC-/AMP-SMA-/FC-/PC connectors (F1)

Crimping pliers complete with dies	220	1	10 6156
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Crimping profile dies, loose, round crimping		1 pair	10 6213
----------------------------------------------	--	--------	---------

fibre-optic connectors with hexagonal crimping, e. g. for 3M-ST, AT&T-ST, AMP-SMA connectors (3F2)

Crimping pliers complete with dies	220	1	10 6158
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Crimping profile dies, loose, hexagonal crimping		1 pair	10 6214
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loose crimping profile dies for unshielded modular plugs (Western plugs) (28P)

6-pin, RJ 11 (6P4C), RJ 12 (6P6C)		1 pair	10 6211
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8-pin, RJ 45 (8P8C)		1 pair	10 6212
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Please note our crimping plier ranges on pages 208 and 211.

Die	For cross-section mm ²	Size mm	PU	Article no.
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cimco®

Die	For cross-section mm ²	Size mm	PU	Article no.
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Crimping pliers SUPER-LIGHT

the innovative "lightweight" for the most commonly used non-soldered cable connectors and mains plugs! The body of the crimping pliers is not made of sheet steel, as with standard crimping pliers, but of 3 mm thick sheet aluminium. This gives the following advantages:

- Enormous saving in weight! Weight including crimping profile insert only 339 g = 50 % reduced weight! This means far less tiring crimping, ideal for "multicrimpers" such as switch cabinet and controls constructors, industrial manufacture, cable assembly, etc.
- Excellent corrosion protection!
- Anti-magnetic, making it ideal for electronic uses!
- Spark-free!



With forced locking for guaranteed optimum crimping results and compound leverage ratchet mechanism, all joints set in steel bushings for long working life (more than 50,000 crimpings!). Easily interchangeable crimping profile inserts.

SUPER-LIGHT crimping pliers are supplied WITHOUT crimping profile inserts. Put together your own SUPERLIGHT according to your requirements for use! CIMCO offers you 15 different crimping profiles for insulated and non-insulated cable lugs, cable end sleeves, blade terminal connectors, shielded and unshielded modular (Western) and fibre-optic connectors from various manufacturers. All the crimping profile inserts for the one-hand crimping pliers on page 206 will fit.

Crimping pliers frame without crimping profile dies 220 1 10 6150

As above, but with crimping insert for insulated and non-insulated cable end sleeves, trapezoid crimping (cf. order no. 10 6120)

Trapezoid crimping 0.5 - 16 220 AE 1 10 6160

As above, but with crimping dies for insulated cable lugs according to DIN, oval crimping (cf. order no. 10 6144)

Oval crimping 0.5 - 6 220 IS 1 10 6164

As above, but with crimping dies for coaxial BNC/TNC connectors (cf. order no. 10 6138)

Hexagonal crimping RG 58 / RG 59 / RG 62 220 1 10 6168

System crimping pliers Diamant

the linear guided system crimping tool meets the highest demands in quality and functional use.

Linear method of working, unlockable forced lock, interchangeable crimping inserts, low tolerance due to double guides, special profile geometry precision, reduced hand power requirement thanks to optimum power transmission, ergonomically formed handles with anti-slip protection, fold-out positioner for optimum fixing of the contact

System crimping pliers DIAMANT 270 1 10 4220



Crimping dies

for insulated cable connectors

Oval crimping 0.5 - 6 IS 1 10 4222



for cable end sleeves

Trapezoidal crimping 0.14 - 10 AE 1 10 4224



for non-insulated blade terminal connectors, for insulation with overlapping crimping

Roll crimping 0.5 - 6 FL 1 10 4226



for non-insulated blade terminal connectors, for insulation with B-crimping

Roll crimping 0.5 - 6 FL 10 4228



for solar plug connectors

type MC3 2.5 - 6 10 4230



for solar plug connectors

type MC4 2.5 - 6 10 4232



for solar plug connectors

type MC4 1.5 - 4 10 4234



Insertion tool for LSA-Plus terminals

solder, screw and stripping-free connection and automatic trimming of conductors with 0.5 to 0.8 mm Ø (AWG 24 to 20) to insulation displacement termination in connection boxes and patch panels, professional design with pressure sensor for optimum pressing force, 2 pull-out hooks



ECONOMY model 1 11 8017

KRONE model, pressure sensor and trimming function can be switched off 1 11 8018



Crimping pliers for coaxial BNC/TNC connectors

ratchet mechanism with compound leverage, with adjustable locking (pressure point unlocking), for data plug connectors for RG 58/RG 59/RG 62/RG 174, crimp sizes: 1.72 mm (0.068") - 4.75 mm (0.187") - 5.41 mm (0.213") - 6.48 mm (0.255")

220 1 10 6138



Die	For cross-section mm ²	Size mm	PU	Article no.
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Die	For cross-section mm ²	Size mm	PU	Article no.
Crimping pliers ECONOMY for Western plugs				
1	for unshielded modular plugs, with cutting and stripping tools, interchangeable blades			
2	for Western plugs, 4-pin RJ 10 (4P4C) and RJ 14 (4P2C)	1	10 6116	
3	for Western plugs, 6-pin RJ 11 (6P4C) and RJ 12 (6P6C)	1	10 6117	
4	for Western plugs, 8-pin RJ 45 (8P8C)	1	10 6118	



Crimping pliers for unshielded modular plug (Western plugs)

4, 6 and 8-pin

ratchet mechanism with adjustable locking, cutting and stripping tools, 2-component handles,
for RJ 10 (4P2C and 4P4C), RJ 11 (6P4C), RJ 12 (6P6C), RJ 45 (8P8C)

1 10 6200



Crimping pliers for shielded modular plugs, 8-pin

ratchet mechanism with adjustable locking, conductors and shielding
crimped in a single operation, for RJ 45 CAT.5 (8P8C)

for HIROSE design connectors	220	1	10 6202
for CIMCO design connectors	220	1	10 6201
for STEWART STAMPING design connectors	220	1	10 6203



Crimping pliers for fibre-optic connectors

with ratchet mechanism and adjustable locking

Round crimping, crimp size: 1.07 mm (0.042") - 1.72 mm (0.068") - 3.38 mm (0.133") - 4.11 mm (0.162") -
4.95 mm (0.195"), e.g. for SC-/AMP-SMA-/FC-/PC connectors

1 10 6156



Hexagonal crimping, crimp size: 1.07 mm (0.042") - 1.72 mm (0.068") - 3.84 mm (0.151") - 4.52 mm (0.178") -
5.41 mm (0.213"), e.g. for 3M-ST/AT&T ST/SMA connectors

1 10 6158



Crimping pliers set DATA TECHNOLOGY/TELECOMMUNICATIONS

crimping pliers with 7 interchangeable crimping profile dies for almost all cabling work based on copper and
fibre glass, conveniently arranged in a handy, impact resistant plastic case.

Contents: crimping pliers body with ratchet automatic mechanism and adjustable locking

One profile set each for:

- unshielded modular plugs (Western plugs), 8-pin RJ 45 (8P8C), (no. 10 6212)
- shielded modular plugs, 8-pin, RJ 45 CAT.5/6 (8P8C), HIROSE design (no. 10 6215)
- shielded modular plugs, 8-pin, RJ 45 CAT.5 (8P8C), STEWART STAMPING design (No. 10 6216)
- unshielded modular plugs (Western plugs), 6-pin RJ 11 (6P4C), RJ 12 (6P6C) (no. 10 6211)
- BNC/TNC coaxial plug connectors RG 55, RG 58, RG 59, RG 62, RG 174, RG 8279, fibre-optic (no. 10 6218)
- fibre-optic connectors with round crimping, e.g. for SC/AMP-SMA/FC/PC connectors (no. 10 6213)
- fibre-optic connectors with hexagonal crimping, e.g. for 3M-ST/AT&T-ST-Amphenol-SMA connectors (no. 10 6214)
- screwdriver with 1000V protective insulation for Phillips crosshead screws size PH 1 (no. 11 7731)

1 10 6210

Tool set F-compression connectors

for creating watertight and therefore weatherproof coax connections, in particular for cable and satellite TV equipment.

For connections with high mechanical stress and excellent shielding.

Set contains:

- Professional crimping tool for compression connectors (order no. 10 6152)
Specially for RG 59 and RG 6 coaxial cables. Suitable, thanks to easily adjustable length stop, for crimping compression
connectors of various lengths and types (F, BNC and RCA connectors). Also suitable for angle connectors and keystones.
Very low hand power expenditure in crimping. With ergonomic two-component handle sleeves, length 195 mm
 - Coaxial cable stripping tool (article no. 12 0098)
For quick and precise sheath and wire stripping of coaxial cables (RG 58, RG 59, RG 62, RG 6, RG 9 and others)
in a single operation. With three interchangeable blades; depth of cut and distance between cuts are adjustable.
 - 20 pieces F-compression connectors (article no. 18 2980)
Double protected against moisture penetration by external sleeve and internal O-ring, outstanding
shielding and mechanical stability of cable connection. Gold-plated, for RG 6 coaxial cables
- | | | |
|--------------------------------------------------|----|---------|
| Tool set F-compression connectors | 1 | 10 6154 |
| Crimping tool for compression connectors | 1 | 10 6152 |
| Coaxial cable stripping tool | 1 | 12 0098 |
| F-compression connectors (price unit 100 pieces) | 10 | 18 2980 |



Die	For cross-section mm ²	Size mm	PU	Article no.
cimco®				

Die	For cross-section mm ²	Size mm	PU	Article no.
Pressing tools Diamant				
Automatic pressing tools:				
	for cable end sleeves, side feed-in of ferrule			
	Square crimping 0.08 - 10		AE	10 4194
	for cable end sleeves, side feed-in of ferrule			
	Square crimping 2.5 - 16		AE	10 4196
	for cable end sleeves, front feed-in of ferrule			
	Trapezoidal crimping 0.14 - 6		AE	10 4190
	for cable end sleeves, front feed-in of ferrule			
	Trapezoidal crimping 10.0 - 16		AE	10 4192
Pressing tools:				
	for cable end sleeves			
	Trapezoidal crimping 10.0 - 50		AE	10 4200
	for cable end sleeves			
	Trapezoidal crimping 50.0 - 95		AE	10 4202

Crimping pliers ECONOMY

for insulated and non-insulated cable lugs, with wire and screw cutters up to M 5, plus wire stripping device for wires 0.5 - 6 mm², crimping of wire strands and cable insulation in 2 operations

Die Insulation stripping range mm²

Oval crimping	0.5 - 6	220	IS	1	10 1892
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Crimping pliers for insulated cable lugs, compound leverage, with ratchet mechanism and adjustable locking (pressure point unlocking), double crimping

Crimping pliers

Oval crimping, standard	0.5 - 6	220	IS	1	10 6144
Oval crimping, asymmetrical	0.5 - 6	220	IS	1	10 1916
Oval crimping	10.0 - 16	215	IS	1	10 1918

Crimping pliers

with cable cutter and wire stripper 0.5 - 6 mm ²					
Oval crimping	0.5 - 6	215	IS	1	10 1900
for insulated terminals					
Oval crimping	0.5 - 6		IS	1	10 4206
for insulated terminals					
Oval crimping	6.0 - 16		IS	1	10 4210
Wire stripper and cutter for the crimping pliers design no. 10 4206					
0.5 - 6				1	10 4212

Crimping pliers for blade terminal connections

crimping pliers for non-insulated terminals according to DIN 46244 etc., 2.8 - 4.8 - 6.3 mm tab width

Crimping pliers

compound leverage, with ratchet mechanism and adjustable locking (pressure point unlocking), crimping of strand wire and cable insulation in 1 operation					
Roll crimping	0.5 - 6	220	FL	1	10 6136
for non-insulated terminals					
Roll crimping	0.25 - 6		FL	1	10 4208
Wire stripper and cutter for crimping pliers design no. 10 4208					
0.5 - 6				1	10 4212



Die	For cross-section mm ²	Size mm	PU	Article no.
cimco®				

Die	For cross-section mm ²	Size mm	PU	Article no.
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Crimping pliers for non-insulated cable lugs (crimping / pin-type cable lug)

Crimping pliers

compound leverage, with ratchet mechanism and locking (pressure point unlocking)

Indent crimping	1.5 - 10	220	Q	1	10 6134
Indent crimping	0.5 - 16	325	Q	1	10 1909
Indent crimping	10 - 35	325	Q	1	10 6146

for non-insulated cable connectors

Notch crimping	0.1 - 16	R Q	1	10 4204
wire stripper and cutter for crimping pliers design no. 10 4204	0.5 - 6		1	10 4212



Crimping pliers set STANDARD

crimping pliers with 4 interchangeable crimping plier inserts for the most commonly used standard cable connectors, conveniently arranged in impact-resistant plastic case

Contents: Crimping tool body with automatic ratchet mechanism and adjustable locking device

One set of crimping profiles each for:

insulated and non-insulated cable end sleeves from 0.5 to 16 mm², trapezoidal crimping, (article no. 10 2001) WE

insulated cable lugs from 0.5 to 6 mm² (red - blue - yellow) IN, symmetrical oval crimping (article no. 10 2004)

non-insulated cable lugs from 1.5 to 10 mm², indent crimping, (article no. 10 2003) C

non-insulated plug connectors with open crimping ears from 0.5 to 6 mm², roll crimping, (article no. 10 2002) FL

knurled head screws for comfortable fastening of inserts by hand

2-component screwdriver with 1000 volt protective insulated blade, for crosshead screws,

PHILLIPS size PH 1 (article no. 11 7731)



1 10 2000

Crimping pliers for tubular cable lugs and connectors, "standard design"

Crimping pliers

compound leverage, with locking device (pressure point unlocking)

Indent crimping	0.75 - 16	325	R	1	10 1902
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Crimping pliers

with integral, rotatable profile discs, compound leverage

Notch crimping	6 - 50	600	R	1	10 1870
Notch crimping	50 - 120	970	R	1	10 1872
Notch crimping	120 - 240	975	R	1	10 1874
Hexagonal crimping	6 - 50	390	R	1	10 1882
Hexagonal crimping	10 - 120	650	R	1	10 1880
Hexagonal crimping	16 - 95	530	R	1	10 1884
Hexagonal crimping	25 - 150	650	R	1	10 1885



Crimping pliers for compression cable lugs and connectors according to DIN 46235/46267

Crimping pliers

with integral, rotatable profile discs, compound leverage

Hexagonal crimping	6 - 50	390	D	1	10 1883
Hexagonal crimping	16 - 95	650	D	1	10 1886
Hexagonal crimping	25 - 150	650	D	1	10 1888



Die	For cross-section mm ²	Size mm	PU	Article no.
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1

Pressing tools for interchangeable inserts

Mechanical hand press up to 60 kN (185 mm²)

suitable for crimping conductor material up to a maximum cross-section of 185 mm².

Features:

- for interchangeable inserts DIN 48083, Sheet 1
- lightweight, compact design
- continuously adjustable telescopic handles (overall length 580 - 830 mm)
- C-shaped head, can be rotated 360°
- without pressing inserts
- pressing force: 60 kN
- max. travel: 20 mm

Additional inserts can be supplied / area of application

tubular cable lugs and connectors "standard design"

compression cable lugs and connectors DIN 46235 / DIN 46267, Part 1

aluminium cable lugs and connectors

rounding inserts for Al and Cu sector-shaped conductors

crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230

cable end sleeves

twin cable end sleeves

cutting insert

for crimping inserts see catalogue pages 219 ff.

further dies can be supplied on request

Cross-section range:

6 - 185

6 - 185

10 - 185

10sm - 240se / 185sm

10 - 70

10 - 95

2 x 4 - 2 x 16

18 mm Ø



1 10 1867

Mechanical hand press up to 60 kN (300 mm²)

suitable for crimping connector material up to a maximum conductor cross-section of 300 mm².

Features:

- lightweight, compact design
- continuously adjustable telescopic handles (overall length 560 - 860 mm)
- fold-out crimping head, can be rotated 360°
- without crimping inserts
- pressing strength: 60 kN
- max. travel: 19 mm

Additional inserts can be supplied / application area

tubular cable lugs and connectors "standard design"

compression cable lugs and connectors DIN 46235 / DIN 46267, Part 1

aluminium cable lugs and connectors

rounding inserts for Al and Cu sector-shaped connectors

crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230

cable end sleeves

twin cable end sleeves

for crimping inserts see catalogue pages 221 ff.

further dies can be supplied on request

Cross-section range:

6 - 300

6 - 300

10 - 240

10sm - 300se / 240sm

10 - 70

10 - 150

2 x 4 - 2 x 16



1 10 1868

Hand-held hydraulic pressing tools for interchangeable inserts

Hydraulic hand press up to 60 kN (185 mm²)

suitable for crimping conductor material up to a maximum cross-section of 185 mm².

Features:

- for interchangeable inserts DIN 48083, Sheet 1
- sturdy, compact design
- fold-out crimping head, can be rotated 270°
- quick advance thanks to double piston hydraulics
- automatic pressure limit
- without crimping inserts
- max. travel: 17 mm
- pressing strength: 60 kN
- operating pressure: 700 bar (70MPa)
- scope of delivery: basic tool in plastic case with storage options for crimping inserts

Additional inserts can be supplied / application area

tubular cable lugs and connectors "standard design"

compression cable lugs and connectors DIN 46235 / DIN 46267, Part 1

aluminium cable lugs and connectors

rounding inserts for Al and Cu sector-shaped conductors

crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230

cable end sleeves

twin cable end sleeves

cutting insert

for crimping inserts see pages 219 ff.

further dies can be supplied on request

Cross-section range:

6 - 185

6 - 185

10 - 185

10sm - 240se / 185sm

10 - 70

10 - 95

2 x 4 - 2 x 16

18 mm Ø



1 10 5498

Die	For cross-section mm ²	Size mm	PU	Article no.
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Hydraulic crimping tool up to 60 kN (300 mm²)

suitable for crimping connector material up to a maximum conductor cross-section of 300 mm².

Features:

- sturdy, compact design
- fold-out crimping head, can be rotated 270°
- quick advance thanks to double piston hydraulics
- automatic pressure limit
- without crimping inserts
- max. travel: 17 mm
- pressing strength: 60 kN
- operating pressure: 700 bar (70 MPa)
- scope of delivery: basic tool in plastic case with storage options for crimping inserts

Additional inserts can be supplied / area of application

tubular cable lugs and connectors "standard design"	6 – 300
compression cable lugs and connectors DIN 46235 / DIN 46267, Part 1	6 – 300
aluminium cable lugs and connectors	10 – 240
rounding inserts for Al and Cu sector-shaped conductors	10sm - 300se / 240sm
crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230	10 – 70
cable end sleeves	10 – 150
twin cable end sleeves	2 x 4 - 2 x 16

for crimping dies see catalogue pages 221 ff.

further dies available on request



Cross-section range:

6 – 300
10 – 240
10sm - 300se / 240sm
10 – 70
10 – 150
2 x 4 - 2 x 16

1 10 5501

Hydraulic crimping tool up to 130 kN (400 mm²)

suitable for crimping connector material up to a maximum conductor cross-section of 400 mm².

Features:

- sturdy, compact design
- C-shaped crimping head for easy insertion of the press inserts
- can be rotated 270°
- quick advance due to double piston hydraulics
- without crimping inserts
- max. travel: 30 mm
- head opening: 29 mm
- pressing strength: 130 kN
- operating pressure: 700 bar (70 MPa)
- scope of delivery: basic tool in plastic case with storage options for crimping inserts

Additional inserts can be supplied / area of application

tubular cable and connectors "standard design"	10 – 400
compression cable lugs and connectors DIN 46235 / DIN 46267, Part 1	10 – 300
aluminium cable lugs and connector	16 – 300
rounding insert for Al and Cu sector-shaped conductors	10sm - 300sm
crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230	16 – 150
cable end sleeves	16 – 185

crimping dies see catalogue pages 223 ff.

further dies are available on request



Cross-section range:

10 – 400
10 – 300
16 – 300
10sm - 300sm
16 – 150
16 – 185

1 10 5502

Hydraulic crimping tool up to 130 kN (400 mm²)

suitable for crimping connector material up to a maximum conductor cross-section of 400 mm².

Features:

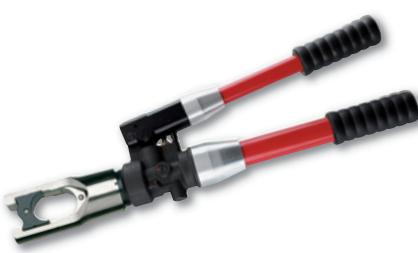
- sturdy, compact design
- H-shaped crimping head, can be rotated 270°
- deep groove pressing option
- quick advance thanks to double piston hydraulics
- automatic pressure limit
- without crimping inserts
- max. travel: 30 mm
- head opening: 35 mm
- pressing strength: 130 kN
- operating pressure: 700 bar (70 MPa)
- scope of delivery: basic tool in plastic case with storage options for crimping inserts

Additional inserts can be supplied / area of application

tubular cable lugs and connectors "standard design"	10 – 400
compression cable lugs and connectors DIN 46235 / DIN 46267, Part 1	10 – 300
aluminium cable lugs and connectors	16 – 300
rounding inserts for Al and Cu sector-shaped conductors	10sm - 300sm
crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230	16 – 150
cable end sleeves	16 – 185

crimping dies see catalogue pages 223 ff.

further dies are available on request



Cross-section range:

10 – 400
10 – 300
16 – 300
10sm - 300sm
16 – 150
16 – 185

1 10 5504

Die	For cross-section mm ²	Size mm	PU	Article no.
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Die	For cross-section mm ²	Size mm	PU	Article no.
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Battery-powered hydraulic crimping tool GENiUS 2.0

consisting of:

- Battery-powered basic device
- Crimping head up to 300 mm²

1 10 6321



1
NEW

Battery-powered hydraulic cutting tool GENiUS 2.0

consisting of:

- Battery-powered basic device
- Cutting head up to Ø 50 mm

1 10 6324



3
NEW

Battery-powered hydraulic punching tool GENiUS 2.0

consisting of:

- Battery-powered basic device
- Punching head

1 10 6326



5
NEW

Battery-powered hydraulic crimping and cutting tool GENiUS 2.0

consisting of:

- Battery-powered basic device
- Crimping head up to 300 mm²
- Cutting head up to Ø 50 mm

1 10 6330



8
NEW

Battery charger GENiUS 2.0

1 10 4312



10
NEW

Replacement rechargeable battery GENiUS 2.0

Rechargeable battery technology: 18 V 1.1Ah Li-ion

1 10 4314



12
NEW

Battery-powered hydraulic crimping tool for interchangeable inserts

general product features of CIMCO battery-operated hydraulic tools:

- Quick advance thanks to double piston hydraulics (advantage: reduced pressing time due to rapid bridging of no-load stroke)
- Automatic pressure limit (advantage: no danger of overpressing)
- Quick stop (advantage: no running-on of the hydraulics - which means no accidental damage)
- Motor switch-off and automatic return after completed pressing (advantage: clear indication of end of pressing process)
- Electronic control and monitoring of the pressing process (advantage: errors minimised by monitoring)
- Manual return
- Multi-function electronics with sleep mode for maintenance display and battery monitoring (advantage: longer working life)
- Mini-USB interface allows connection to all current PC systems for service and monitoring
- The latest in battery technology! Lithium-ion technology without self-discharge and with reduced weight!
- Service and monitoring software for all current PC systems (Windows 2000, XP, Vista, Windows 7).

Battery-powered hydraulic crimping tool up to 60 kN (185 mm²)

suitable for crimping conductor material up to a maximum cross-section of 185 mm².

Features:

- for interchangeable inserts DIN 48083, Sheet 1
- fold-out crimping head, can be rotated 270°
- without crimping inserts
- max. travel: 17 mm
- weight with case 10,150 g, weight without case 4,900 g
- pressing strength: 60 kN
- operating pressure: 700 bar (70MPa)
- scope of delivery: basic device in case with storage options for crimping inserts, charger, 2 rechargeable batteries, analysis software, mini USB cable

Additional inserts can be supplied / area of application

tubular cable lugs and connectors "standard design"

compression cable lugs and connectors DIN 46235 / DIN 46267, Part 1

aluminium cable lugs and connectors

rounding inserts for Al and Cu sector-shaped conductors

crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230

cable end sleeves

twin cable end sleeves

cutting insert

for crimping inserts see catalogue pages 219 ff.

further dies can be supplied on request

Cross-section range:

- 6 – 185
- 6 – 185
- 10 – 185
- 10sm – 240se / 185sm
- 10 – 70
- 10 – 95
- 2 x 4 – 2 x 16
- 18 mm Ø



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22
23
24
25

Die	For cross-section mm ²	Size mm	PU	Article no.
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Battery powered hydraulic crimping tool up to 60 kN (300 mm²)

suitable for crimping connector material up to a maximum conductor cross-section of 300 mm².

Features:

- fold-out crimping head can be rotated by 270°
- without crimping inserts
- max. travel: 17 mm
- pressing strength: 60 kN
- weight with case 10,350 g, weight without case 5,100 g
- operating pressure: 700 bar (70 MPa)
- delivery: basic device in case with storage options for crimping inserts, charger, 2 rechargeable batteries, analysis software, mini USB cable

Additional inserts can be supplied / areas of application

tubular cable lugs and connectors "standard design"	6 – 300
compression cable lugs and connectors DIN 46235 / DIN 46267, Part 1	6 – 300
aluminium cable lugs and connectors	10 – 240
rounding inserts for Al and Cu sector-shaped conductors	10sm – 300se/240sm
crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230	10 – 70
cable end sleeves	10 – 150
twin cable end sleeves	2 x 4 – 2 x 16

for crimping dies see catalogue pages 221 ff.

further dies available on request

Cross-section range:



1 10 5701

Battery powered hydraulic crimping tool up to 130 kN (400 mm²)

suitable for crimping of connector material up to a maximum conductor cross-section of 400 mm².

Features:

- C-shaped crimping head for easy insertion of crimping inserts
- can be rotated 270°
- without crimping inserts
- weight with case 14,950 g, weight without case 7,750 g
- head opening: 29 mm
- pressing strength: 130 kN
- operating pressure: 700 bar (70 MPa)
- delivery: basic device in case with storage options for crimping inserts, charger, 2 rechargeable batteries, analysis software, mini USB cable

Additional inserts can be supplied / area of application

tubular cable lugs and connectors "standard design"	10 – 400
compression cable lugs and connectors DIN 46235 / DIN 46267, Part 1	10 – 300
aluminium cable lugs and connectors	16 – 300
rounding inserts for Al and Cu sector-shaped conductors	10sm – 300sm
crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230	16 – 150
cable end sleeves	16 – 185

for crimping dies see catalogue pages 223 ff.

further dies are available on request

Cross-section range:



1 10 5702

Battery powered hydraulic crimping tool up to 130 kN (400 mm²)

suitable for crimping of connector material up to a maximum conductor cross-section of 400 mm².

Features:

- H-shaped crimping insert, can be rotated 270°
- deep groove pressing option
- without crimping insets
- head opening: 35 mm
- pressing strength: 130 kN
- operating pressure: 700 bar (70 MPa)
- scope of delivery: basic device in case with storage options for crimping insets, charger, 2 rechargeable batteries, analysis software, mini USB cable

Additional inserts can be supplied / area of application

tubular cable lugs and connectors "standard design"	10 – 400
compression cable lugs and cable connectors DIN 46235 / DIN 46267, Part 1	10 – 300
aluminium cable lugs and connectors	16 – 300
round press inserts for Al and Cu sector-shaped conductors	10sm – 300sm
crimping cable lugs DIN 46234 / pin-type cable lugs DIN 46230	16 – 150
cable end sleeves	16 – 185

weight with case 14,550 g, weight without case 6,100 g,

for crimping dies see pages 223 ff,

further dies are available on request

Cross section range:



1 10 5704

Die	For cross-section mm ²	Size mm	PU	Article no.
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Accessories for battery-powered crimping tools, crimp- and cutting tools

Rechargeable battery

14.4 V lithium-ion rechargeable battery for all CIMCO battery-operated hydraulic pressing and cutting tools

1 10 5550

Battery charger

universal charger for all CIMCO rechargeable batteries, 230 V

1 10 5554

Analysis software

CD-ROM with the current analysis software for all CIMCO battery-powered hydraulic crimping and cutting tools, except GENIUS

Operating system Windows 2000, XP, Vista, Windows 7 1 10 5555

Compact electro-hydraulic drive unit

hydraulic battery/mains drive unit, suitable for operating all industry standard hydraulic pressing and cutting tools. Compact construction, smaller size and lower weight enable universal deployment and mobility. The drive unit's distinguishing feature is very high performance that makes for great productivity.

Features:

- lightweight, compact and sturdy construction
- with remote control (1.5 m)
- ergonomic design
- integral scratch-proof display
- quick tools return due to high return displacement volume
- pressure monitoring via electronic pressure sensor
- Li-ion rechargeable battery
- charging status display on the battery
- double piston technology for fast advance and high pressure:
 - displacement vol. in low pressure up to < 100 bar: 1.15 l/min
 - displacement vol. in high pressure up to 700 bar: 0.1 l/m
- operating pressure: 700 bar (70 MPa)
- output: 200 W
- battery voltage: 18.0 V DC
- battery capacity: 3.0 Ah
- operating temperature: -20°C to +55°C

Weight 4.6 kg (including battery) 290 x 190 x 205 mm 1 10 5650



Accessories

hydraulic crimping head, round, up to 300 mm², pressing strength 60 kN

1 10 5652

hydraulic crimping head up to 400 mm², pressing strength 130 kN

1 10 5655

hydraulic cutting head up to max. Ø 50 mm, for CU/ALU cables, closed form

1 10 5654

hydraulic cutting head up to max. Ø 95 mm, for CU/ALU cables, closed form

1 10 5656

hydraulic cutting head up to max. Ø 120 mm, for CU/ALU cables, closed form

1 10 5657

safety foot switch

1 10 5651

hydraulic high-pressure hose 5 m

1 10 5658

hydraulic high-pressure hose 10 m

1 10 5659

hydraulic plug adapter, for connecting hydraulic components from other manufacturers

1 10 5653



Hydraulic cylinder

for all electric, foot and hand operated pumps with quick coupling connection and a maximum output pressure of 700 bar. Compact design, for punching round, square and rectangular openings plus special shapes in stainless steel and steel sheets ST 37 (switch cabinet and plant construction).

- Hydraulic cylinder with quick coupling (up to 115 kN)
- Weight 0.68 kg
- Supplied in plastic case
- High tensile strength aluminium body
- Suitable for tension bolts with UNF thread diameter 19.0 mm
- Operating pressure 700 bar
- Drip-free coupling and uncoupling
- Convenient operation
- With dust protection cap

1 13 4023



Die	For cross-section mm ²	Size mm	PU	Article no.
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Die	For cross-section mm ²	Size mm	PU	Article no.
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Pneumatic pressing tool Diamant

ergonomic shape and low weight combine to provide extremely easy handling - even in continuous use. The pneumatic pressing tool is intended for series production of individual contacts as well as for use in switch cabinet construction. Compressed air drive allows for precise and consistent crimping connections. The integral forced locking ensures complete closure of the device. The tool head, which can be rotated 360°, adjusts to the desired working position and enables optimum handling. The optional foot switch available allows the device to be used for stationary work as a table tool.



Technical data:

Approved pressure range: 6 to 8 bar, air consumption at 6 bar: 0.75 l per cycle,
length of cycle: max. 1 second, weight: 1.5 kg

1 10 4250

Crimping heads for pneumatic pressing tool

for insulated cable connectors

Oval crimping 0.5 - 6 IS 1 10 4260



for non-insulated blade terminal connectors

Roll crimping 0.5 - 6 FL 1 10 4262



for non-insulated cable connectors

Notch crimping 0/5 - 6 Q 1 10 4264

for wire end ferrules

Trapezoidal crimping 0.14 - 10 AE 1 10 4266



Accessories for pneumatic pressing tool

Table bracket 1 10 4251

Activating unit with foot switch 1 10 4252

Safety crimp press

with its newly developed (patent applied for) safety mechanism, this pneumatic table pressing tool now has an integrated safety valve available. The valve only allows crimping if the opening between the impact surfaces of the dies is smaller than 5.9 mm. This means all forms of prescribed safety covers to protect the operator are no longer necessary. The safety double foot pedal also increases productivity and simplifies use further.



The mechanical pneumatic safety control guarantees a 3-stage crimping procedure:

- Stage 1 holding down the contact
- Stage 2 pre-pressing (can be continuously activated)
- Stage 3 effective contact crimping

Technical data:

Crimping strength: starts at 9 kN and increases exponentially; up to 120 kN in the last millimeter of travel.

Operating pressure: max. 6 bar / 90 PSI

Noise level: 62 dB(A)

Dimensions: 280 x 160 x 280 mm

Weight: 26 kg

Equipped with:

- electronic piece counter
- sequence control system
- closing speed control
- pneumatic safety double foot pedal
- colour-coded 4-fold connection hose

1 10 4254



Accessories for safety crimp press

die holder for crimping inserts

1 10 4256

Crimping dies for safety crimp press

the crimping inserts are identical to the inserts for the CIMCO system crimping pliers - article no.: 10 4220 / page 207.

Die	For cross-section mm ²	Size mm	PU	Article no.
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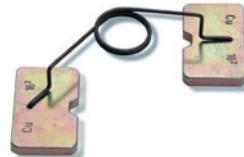
Die	For cross-section mm ²	Size mm	PU	Article no.
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Crimping dies for tools no. 10 1867, no. 10 5498 and no. 10 5698

for tubular cable lugs and connectors "standard design"

Hexagonal crimping, compression width 5 mm
mm²

6	R	1 pair	10 5300
10	R	1 pair	10 5302
16	R	1 pair	10 5304
25	R	1 pair	10 5306
35	R	1 pair	10 5308
50	R	1 pair	10 5310
70	R	1 pair	10 5312
95	R	1 pair	10 5314
120	R	1 pair	10 5316
150	R	1 pair	10 5318
185	R	1 pair	10 5320



for compression cable lugs and connectors DIN 46235/46267

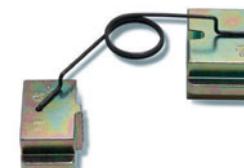
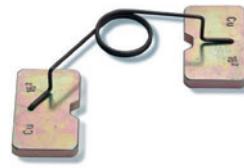
Hexagonal crimping, compression width 5 mm
mm² identification number according to DIN

6	5	D	1 pair	10 5330
10	6	D	1 pair	10 5332
16	8	D	1 pair	10 5334
25	10	D	1 pair	10 5336
35	12	D	1 pair	10 5338
50	14	D	1 pair	10 5340
70	16	D	1 pair	10 5342
95	18	D	1 pair	10 5344
120	20	D	1 pair	10 5346
150	22	D	1 pair	10 5348
185	25	D	1 pair	10 5350



Die	For cross-section mm ²	Size mm	PU	Article no.
Crimping dies for tools no. 10 1867, no. 10 5498 and no. 10 5698				
for aluminium cable lugs and connectors DIN 46239 and similar				
Hexagonal crimping, compression width 7 mm				
mm ²	identification number according to DIN			
10	10	AL	1 pair	10 5360
16-25	12	AL	1 pair	10 5362
35	14	AL	1 pair	10 5364
50	16	AL	1 pair	10 5366
70	18	AL	1 pair	10 5368
95-120	22	AL	1 pair	10 5370
150	25	AL	1 pair	10 5372
185	28	AL	1 pair	10 5374
for rounding of single-strand (se) and multi-strand (sm) Al and Cu sector-shaped conductors,				
for 3 and 4 sector-shaped conductors (120° and 90°)				
rounding width 19.5 mm				
mm ²	identification number according to DIN			
sm	se			
10	-	RU	1 pair	10 5392
16	-	RU	1 pair	10 5394
25	35	RU	1 pair	10 5396
35	50	RU	1 pair	10 5398
50	70	RU	1 pair	10 5400
70	95	RU	1 pair	10 5402
95	120	RU	1 pair	10 5404
120	150	RU	1 pair	10 5406
150	185	RU	1 pair	10 5408
185	240	RU	1 pair	10 5410
for crimping cable lugs DIN 46234 and pin-type cable lugs DIN 46230				
Indent crimping				
mm ²				
10		Q	1 pair	10 5442
16		Q	1 pair	10 5444
25		Q	1 pair	10 5446
35		Q	1 pair	10 5448
50		Q	1 pair	10 5450
70		Q	1 pair	10 5452
95		Q	1 pair	10 5454
for twin cable end sleeves				
Trapezoidal crimping, compression width 20 mm				
mm ²				
10		AE	1 pair	10 5462
16		AE	1 pair	10 5464
25		AE	1 pair	10 5466
35		AE	1 pair	10 5468
50		AE	1 pair	10 5470
70		AE	1 pair	10 5472
95		AE	1 pair	10 5474
for twin cable end sleeves				
Trapezoidal crimping, compression width 20 mm				
mm ²				
2 x 4		AE	1 pair	10 5480
2 x 6		AE	1 pair	10 5482
2 x 10		AE	1 pair	10 5484
2 x 16		AE	1 pair	10 5486
cutting insert for Al and Cu cables				
Cutting range up to 18 mm ø			1 pair	10 5490

Die	For cross-section mm ²	Size mm	PU	Article no.
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Die	For cross-section mm ²	Size mm	PU	Article no.
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Crimping dies for tools 10 1868, 10 5501 and 10 5701

for tubular cable lugs and connectors "standard design"

Hexagonal crimping, compression width 5 mm

mm ²		R	1 pair	Article no.
6		R	1 pair	10 5711
10		R	1 pair	10 5712
16		R	1 pair	10 5713
25		R	1 pair	10 5714
35		R	1 pair	10 5715
50		R	1 pair	10 5716
70		R	1 pair	10 5717
95		R	1 pair	10 5718
120		R	1 pair	10 5719
150		R	1 pair	10 5720
185		R	1 pair	10 5721
240		R	1 pair	10 5722
300		R	1 pair	10 5723



for compression cable lugs and connectors DIN 46235/46267

Hexagonal crimping, compression width 5 mm

mm ²	Identification number according to DIN	D	1 pair	Article no.
6	5	D	1 pair	10 5730
10	6	D	1 pair	10 5731
16	8	D	1 pair	10 5732
25	10	D	1 pair	10 5733
35	12	D	1 pair	10 5734
50	14	D	1 pair	10 5735
70	16	D	1 pair	10 5736
95	18	D	1 pair	10 5737
120	20	D	1 pair	10 5738
150	22	D	1 pair	10 5739
185	25	D	1 pair	10 5740
240	28	D	1 pair	10 5741
300	32	D	1 pair	10 5742



for aluminium cable lugs and connectors DIN 46239 and similar

Hexagonal crimping, compression width 7 mm

mm ²	Identification number according to DIN	AL	1 pair	Article no.
10	10	AL	1 pair	10 5784
16-25	12	AL	1 pair	10 5785
35	14	AL	1 pair	10 5786
50	16	AL	1 pair	10 5787
70	18	AL	1 pair	10 5788
95-120	22	AL	1 pair	10 5789
150	25	AL	1 pair	10 5790
185	28	AL	1 pair	10 5791
240	32	AL	1 pair	10 5792



Die	For cross-section mm ²	Size mm	PU	Article no.
cimco®				

Die	For cross-section mm ²	Size mm	PU	Article no.
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1 Crimping dies for tools 10 1868, 10 5501 and 10 5701

for rounding of single-strand (se) and multi-strand (sm) Al and Cu sector-shaped conductors,
for 3 and 4 sector-shaped conductors (120° and 90°)
rounding width 19.5 mm

mm² identification number according to DIN

sm	se			
10	-	RU	1 pair	10 5749
16	-	RU	1 pair	10 5750
25	35	RU	1 pair	10 5751
35	50	RU	1 pair	10 5752
50	70	RU	1 pair	10 5753
70	95	RU	1 pair	10 5754
95	120	RU	1 pair	10 5755
120	150	RU	1 pair	10 5756
150	185	RU	1 pair	10 5757
185	240	RU	1 pair	10 5758
240	300	RU	1 pair	10 5759



for crimping cable lugs DIN 46234 and pin-type cable lugs DIN 46230

Indent crimping

mm²

10		Q	1 pair	10 5760
16		Q	1 pair	10 5761
25		Q	1 pair	10 5762
35		Q	1 pair	10 5763
50		Q	1 pair	10 5764
70		Q	1 pair	10 5765



for cable end sleeves

Trapezoidal crimping, compression width 20 mm

mm²

10		AE	1 pair	10 5770
16		AE	1 pair	10 5771
25		AE	1 pair	10 5772
35		AE	1 pair	10 5773
50		AE	1 pair	10 5774
70		AE	1 pair	10 5775
95		AE	1 pair	10 5776
120		AE	1 pair	10 5777
150		AE	1 pair	10 5778
185		AE	1 pair	10 5779
240		AE	1 pair	10 5799



for twin cable end sleeves

Trapezoidal crimping, compression width 20 mm

mm²

2 x 4		AE	1 pair	10 5780
2 x 6		AE	1 pair	10 5781
2 x 10		AE	1 pair	10 5782
2 x 16		AE	1 pair	10 5783



Die

For cross-section mm²

Size mm

PU

Article no.

cimco®

Die	For cross-section mm ²	Size mm	PU	Article no.
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Crimping dies for tools no. 10 5502, no. 10 5504, no. 10 5702 and no. 10 5704

for tubular cable lugs and connectors "standard design"

Hexagonal crimping, wide compression (exception: 300 and 400 mm² / 7 mm)
mm²

10	R	1 pair	10 5802
16	R	1 pair	10 5804
25	R	1 pair	10 5806
35	R	1 pair	10 5808
50	R	1 pair	10 5810
70	R	1 pair	10 5812
95	R	1 pair	10 5814
120	R	1 pair	10 5816
150	R	1 pair	10 5818
185	R	1 pair	10 5820
240	R	1 pair	10 5822
300	R	1 pair	10 5824
400	R	1 pair	10 5826



for compression cable lugs and connectors DIN 46235/46267

Hexagonal crimping, wide compression (exception: 240 and 300 mm² / 7 mm)
mm²

10	6	D	1 pair	10 5830
16	8	D	1 pair	10 5832
25	10	D	1 pair	10 5834
35	12	D	1 pair	10 5836
50	14	D	1 pair	10 5838
70	16	D	1 pair	10 5840
95	18	D	1 pair	10 5842
120	20	D	1 pair	10 5844
150	22	D	1 pair	10 5846
185	25	D	1 pair	10 5848
240	28	D	1 pair	10 5850
300	32	D	1 pair	10 5852



for aluminium cable lugs and connectors DIN 46239 and similar

Hexagonal crimping, wide compression

10	10	AL	1 pair	10 5860
16-25	12	AL	1 pair	10 5862
35	14	AL	1 pair	10 5864
50	16	AL	1 pair	10 5866
70	18	AL	1 pair	10 5868
95-120	22	AL	1 pair	10 5870
150	25	AL	1 pair	10 5872
185	28	AL	1 pair	10 5874
240	32	AL	1 pair	10 5876
300	34	AL	1 pair	10 5878



Die	For cross-section mm ²	Size mm	PU	Article no.
cimco®				

Die	For cross-section mm ²	Size mm	PU	Article no.
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1 Crimping dies for tools no. 10 5502, no. 10 5504, no. 10 5702 and no. 10 5704

for rounding of single-strand (se) and multi-strand (sm) Al and Cu sector-shaped conductors,
for 3 and 4 sector-shaped conductors (120° and 90°)

Rounding width 35 mm

mm² identification number according to DIN

sm	se			
10	-	RU	1 pair	10 5892
16	-	RU	1 pair	10 5894
25	35	RU	1 pair	10 5896
35	50	RU	1 pair	10 5898
50	70	RU	1 pair	10 5900
70	95	RU	1 pair	10 5902
95	120	RU	1 pair	10 5904
120	150	RU	1 pair	10 5906
150	185	RU	1 pair	10 5908
185	240	RU	1 pair	10 5910
240	300	RU	1 pair	10 5912
300		RU	1 pair	10 5914



for crimping cable lugs DIN 46234 and pin-type cable lugs DIN 46230

Indent crimping

mm²

16		Q	1 pair	10 5942
25		Q	1 pair	10 5944
35		Q	1 pair	10 5946
50		Q	1 pair	10 5948
70		Q	1 pair	10 5950
95		Q	1 pair	10 5952
120		Q	1 pair	10 5954
150		Q	1 pair	10 5956



for cable end sleeves

Trapezoidal crimping, compression width 20 mm

mm²

10		AE	1 Paar	10 5962
16		AE	1 Paar	10 5964
25		AE	1 Paar	10 5966
35		AE	1 Paar	10 5968
50		AE	1 Paar	10 5970
70		AE	1 Paar	10 5972
95		AE	1 Paar	10 5974
120		AE	1 Paar	10 5976
150		AE	1 Paar	10 5978
185		AE	1 Paar	10 5980
240		AE	1 Paar	10 5982



Die	For cross-section mm ²	Size mm	PU	Article no.
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cimco®

SOLDERLESS + INSULATED CABLE CONNECTORS, CABLE END SLEEVES



Solderless cable connectors

- Highest copper quality according to DIN EN 13600
- Maximum electrical and mechanical capacity
- Greatest dimensional precision due to automated production according to automotive guidelines
- Tested according to the newest testing standards
- Compatible with all market standards
- Annealed to copper hardness F 20

Insulated cable connectors

- Highest copper quality according to DIN EN 13600
- Premium insulation guarantees dielectric strength
- Greatest dimensional precision due to automated production according to automotive guidelines
- Tested according to the newest testing standards
- Compatible with all market standards
- Hard soldered ferrule seam, maximum electrical and mechanical capacity



Cable end sleeves

- Highest copper quality according to DIN EN 13600
- Premium insulation guarantees dielectric strength
- Identification via colour coding
- Adjusted crimp profile for tapered, finely stranded conductors according to IEC 228
- Improve contacting in the terminals
- Prevent finely stranded conductors from fanning out

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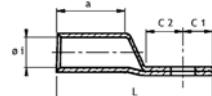
Solderless cable connectors

Tubular cable lugs, Cu, standard design

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated, other surfaces available upon request
- Also available with inspection hole
- Also suitable for finely stranded conductors according to IEC 228 tubular cable lugs, Cu, standard design
- Annealed to copper hardness F 20

Cross sect. (mm) (mm ²)	Bolt ø (mm)	W (mm)	øi (mm)	øe (mm)	C1	C2	a (mm)	L (mm)	Weight per 100 pcs ~kg	PU/pcs.	Article no.
0.75	3	4.8	1.4	3.2	2.3	4.8	6.9	16	0.06	100	18 0650
	4	8	1.4	3.2	4.1	6.6	6.9	19.6	0.06	100	18 0652
	5	8	1.4	3.2	4.1	6.6	6.9	19.6	0.06	100	18 0654
1.5	4	6.5	1.9	3.3	3.5	5	6	17	0.08	100	18 0660
	5	7.5	1.9	3.3	3.5	5	6	18	0.08	100	18 0662
	6	9	1.9	3.3	4.5	5.5	6	18.5	0.09	100	18 0664
2.5	4	8	2.3	3.9	3.8	6.1	6.9	20.1	0.17	100	18 0670
	5	8	2.3	3.9	3.8	6.1	6.9	20.1	0.17	100	18 0672
	6	10.7	2.3	3.9	6.1	8.1	6.9	25.2	0.17	100	18 0674
	8	12	2.3	3.9	6.1	8.1	6.9	25.2	0.17	100	18 0676
4	4	9	2.7	5	6.2	7.4	9	26	0.26	100	18 0680
	5	9	2.7	5	6.2	7.4	9	26	0.26	100	18 0682
	6	12	2.7	5	6.2	7.4	9	26	0.26	100	18 0684
	8	12	2.7	5	6.2	7.4	9	26	0.26	100	18 0686
6	5	10	3.5	6.5	6.8	6.5	9	26.5	0.5	100	18 0692
	6	10	3.5	6.5	6.8	6.5	9	26.5	0.6	100	18 0694
	8	12	3.5	6.5	6.8	6.5	9	26.5	0.65	100	18 0696
	10	15	3.5	6.5	9.8	9.5	9	32.5	0.7	100	18 0697
	12	17	3.5	6.5	12	12	9	35	0.71	100	18 0698
10	5	12	4.5	7	6.8	6.5	10	28	0.52	100	18 0700
	6	12	4.5	7	6.8	6.5	10	28	0.5	100	18 0702
	8	15	4.5	7	9.8	9.5	10	34	0.6	100	18 0704
	10	17	4.5	7	11.8	11.5	10	38	0.66	100	18 0705
	12	19	4.5	7	13	12.5	10	41	0.66	100	18 0706
16	5	12	5.5	8.5	6.8	6.5	13	31.5	0.87	100	18 0709
	6	12	5.5	8.5	6.8	6.5	13	31.5	0.84	100	18 0710
	8	15	5.5	8.5	9.8	9.5	13	37.5	0.99	100	18 0712
	10	17	5.5	8.5	11.8	11.5	13	41.5	1.07	100	18 0714
	12	19	5.5	8.5	13	12.5	13	44	1.05	100	18 0715
25	5	14	7	10	7	7	15	35.5	1.21	50	18 0718
	6	14	7	10	7	7	15	35.5	1.18	50	18 0720
	8	16	7	10	9.5	9.5	15	40.5	1.32	50	18 0722
	10	18	7	10	11.5	11.5	15	44.5	1.41	50	18 0724
	12	19	7	10	13	13.5	15	48	1.46	50	18 0725
	14	21	7	10	14.5	14.5	15	52.5	1.43	50	18 0726
35	6	17	8.5	12	7	7	17	39	1.85	50	18 0730
	8	17	8.5	12	9.5	9.5	17	44	2.03	50	18 0732
	10	19	8.5	12	11.5	11.5	17	48	2.17	50	18 0734
	12	21	8.5	12	13	13.5	17	51.5	2.23	50	18 0735
	14	21	8.5	12	14	14.5	17	53.5	2.24	50	18 0736
	16	26	8.5	12	16	16	17	58	2.26	50	18 0737
50	6	20	10	14	9.5	9.5	19	47	3.04	50	18 0739
	8	20	10	14	9.5	9.5	19	47	2.96	50	18 0740
	10	20	10	14	11.5	11.5	19	51	3.12	50	18 0742
	12	23	10	14	13	13.5	19	54.5	3.26	50	18 0744
	14	23	10	14	14	14.5	19	56.5	3.29	50	18 0745
	16	28	10	14	16	16	19	62	3.93	50	18 0746
	20	30	10	14	19	19	19	67	4.16	50	18 0747



R

Tubular cable lugs, Cu, standard design



R

See previous page for description

Cross sect. (mm ²)	Bolt ø (mm)	W	øi	øe	C1	C2	a	L	Weight per 100 pcs PU/pcs. ~kg	Article no.
70	6	23	12	16.5	10	10	21	53	4.3	50 18 0749
	8	23	12	16.5	11.5	11.5	21	54	4.62	25 18 0750
	10	23	12	16.5	11.5	11.5	21	54	4.5	25 18 0752
	12	23	12	16.5	13	13.5	21	57.5	4.63	25 18 0754
	14	23	12	16.5	14	14.5	21	59.5	4.66	25 18 0755
	16	28	12	16.5	15.5	16	21	62.5	4.89	25 18 0756
	20	30	12	16.5	19	19	21	72	5.63	25 18 0758
95	8	26	13.5	18	11.5	11.5	25	59	5.68	25 18 0759
	10	26	13.5	18	11.5	11.5	25	59.5	5.56	25 18 0760
	12	26	13.5	18	13	13.5	25	63	5.73	25 18 0762
	14	26	13.5	18	14	14.5	25	65	5.79	25 18 0763
	16	28	13.5	18	15.5	16	25	68	5.93	25 18 0764
	20	36	13.5	18	22	22	25	82	6	25 18 0766
120	8	28	15	19.5	13	13.5	26	65.5	6.89	20 18 0768
	10	28	15	19.5	13	13.5	26	65.5	6.77	20 18 0770
	12	28	15	19.5	13	13.5	26	65.5	6.59	20 18 0772
	14	28	15	19.5	14	14.5	26	67.5	6.66	20 18 0773
	16	30	15	19.5	15.5	16	26	70.5	6.84	20 18 0774
	20	36	15	19.5	22	22	26	85	7.74	20 18 0776
150	8	31	16.5	21	14.5	14.5	30	73	8.39	20 18 0778
	10	31	16.5	21	14.5	14.5	30	73	8.28	20 18 0780
	12	31	16.5	21	14.5	14.5	30	73	8.1	20 18 0782
	14	31	16.5	21	14.5	14.5	30	73	7.96	20 18 0783
	16	31	16.5	21	15.5	16	30	75.5	8.06	20 18 0784
	20	36	16.5	21	22	22	30	88	8.8	20 18 0786
185	10	35	19	24	17	18	30	81	11.8	10 18 0788
	12	35	19	24	17	18	30	81	11.59	10 18 0790
	14	35	19	24	17	18	30	81	11.43	10 18 0791
	16	35	19	24	17	18	30	81	11.21	10 18 0792
	20	39	19	24	21	22	30	89	11.98	10 18 0794
240	10	39	21	26	17	18	35	88	14.08	10 18 0798
	12	39	21	26	17	18	35	88	13.87	10 18 0800
	14	39	21	26	17	18	35	88	13.71	10 18 0801
	16	39	21	26	17	18	35	88	13.49	10 18 0802
	20	39	21	26	21	22	35	96	14.21	10 18 0804
300	12	43	23.5	29.5	17	18	44	99	21.31	5 18 0818
	14	43	23.5	29.5	17	18	44	99	21.11	5 18 0819
	16	43	23.5	29.5	17	18	44	99	20.85	5 18 0820
	20	43	23.5	29.5	21	22	44	107	21.92	5 18 0822
400	12	49	27	34	23	23	44	112	32.62	5 18 0826
	14	49	27	34	23	23	44	112	32.39	5 18 0828
	16	49	27	34	23	23	44	112	32.08	5 18 0830
	20	49	27	34	23	23	44	112	31.25	5 18 0832

Angled tubular cable lugs, Cu

Standard design with 90° and 45° angle

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated, other surfaces available upon request
- Also suitable for finely stranded conductors according to IEC 228
- Annealed to copper hardness F 20

90° angle

Cross sect.	Bolt ø	Weight per 100 pcs.	PU/pcs. ~kg	Article no.
(mm ²)	(mm)			

6	5	0.6	100	18 3160
	6	0.59	100	18 3161
	8	0.67	100	18 3162
	10	0.72	100	18 3163
	12	0.77	100	18 3164
10	5	0.6	100	18 3165
	6	0.59	100	18 3166
	8	0.67	100	18 3167
	10	0.72	100	18 3168
	12	0.76	100	18 3169
16	5	1.01	100	18 3170
	6	1	100	18 3171
	8	1.1	100	18 3172
	10	1.17	100	18 3173
	12	1.23	100	18 3174
25	5	1.34	100	18 3175
	6	1.31	100	18 3134
	8	1.47	100	18 3135
	10	1.56	100	18 3176
	12	1.6	100	18 3177
35	6	2.04	100	18 3156
	8	2.28	100	18 3130
	10	2.39	100	18 3136
	12	2.54	100	18 3157
50	6	3.13	100	18 3158
	8	3.38	100	18 3131
	10	3.52	100	18 3137
	12	3.8	100	18 3159
70	8	5.09	100	18 3132
	10	5.34	100	18 3133
	12	5.44	100	18 3140
	16	5.85	100	18 3141
95	8	6.11	50	18 3138
	10	6.27	50	18 3139
	12	6.48	50	18 3142
	16	7.12	50	18 3143
120	8	6.69	50	18 3144
	10	7.1	50	18 3145
	12	7.23	50	18 3146
	16	7.81	50	18 3147
150	10	8.2	50	18 3148
	12	8.3	50	18 3149
185	12	11.9	50	18 3150
	20	12	50	18 3152
240	10	14.6	20	18 3153
	12	14.4	20	18 3154
	20	14.8	20	18 3155



R

45° angle

Cross sect.	Bolt ø	Weight per 100 pcs.	PU/pcs. ~kg	Article no.
(mm ²)	(mm)			

6	5	0.6	100	18 3060	
	6	0.59	100	18 3061	
	8	0.67	100	18 3062	
	10	0.72	100	18 3063	
	12	0.77	100	18 3064	
10	5	0.6	100	18 3065	
	6	0.59	100	18 3066	
	8	0.67	100	18 3067	
	10	0.72	100	18 3068	
	12	0.76	100	18 3069	
16	5	1.01	100	18 3070	
	6	1	100	18 3071	
	8	1.1	100	18 3072	
	10	1.17	100	18 3073	
	12	1.23	100	18 3074	
25	5	1.34	100	18 3075	
	6	1.31	100	18 3034	
	8	1.47	100	18 3035	
	10	1.56	100	18 3052	
	12	1.6	100	18 3053	
35	6	2.04	100	18 3056	
	8	2.28	100	18 3030	
	10	2.39	100	18 3036	
	12	2.54	100	18 3057	
50	6	3.14	100	18 3058	
	8	3.45	100	18 3031	
	10	3.58	100	18 3037	
	12	3.76	100	18 3059	
70	8	5.24	100	18 3032	
	10	6.46	100	18 3033	
	12	5.69	100	18 3040	
	16	5.94	100	18 3041	
95	8	6.3	50	18 3038	
	10	6.46	50	18 3039	
	12	6.68	50	18 3042	
	16	7.06	50	18 3043	
120	8	6.87	50	18 3044	
	10	7.29	50	18 3045	
	12	7.71	50	18 3046	
	16	8.03	50	18 3047	
150	10	8.6	50	18 3048	
	185	12	13.2	50	18 3050
	16	13	50	18 3051	

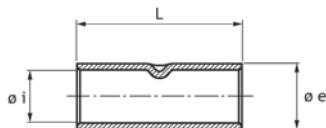
Butt connectors, Cu, standard design

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated, other surfaces available upon request
- Also suitable for finely stranded conductors according to IEC 228
- Annealed to copper hardness F 20

Cross sect. (mm ²)	øi	øe	L	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
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0.75	1.4	3.2	15.7	0.08	100	18 0900
1.5	1.8	3.3	14.5	0.08	100	18 0902
2.5	2.4	4	14.5	0.11	100	18 0904
4	2.7	5	19	0.25	100	18 0906
6	3.5	6.5	24	0.52	100	18 0908
10	4.5	7	28	0.6	100	18 0910
16	5.5	8.5	34	1.03	100	18 0912
25	7	10	38	1.43	100	18 0914
35	8.5	12	42	2.26	50	18 0916
50	10	14	48	3.36	50	18 0918
70	12	16.5	52	4.93	50	18 0920
95	13.5	18	59	5.85	50	18 0922
120	15	19.5	62	7.4	50	18 0924
150	16.5	21	72	9	50	18 0926
185	19	24	72	12.2	25	18 0928
240	21	26	82	15.2	25	18 0930
300	23.5	29.5	102	22.8	25	18 0932
400	27	34	102	29.6	10	18 0934



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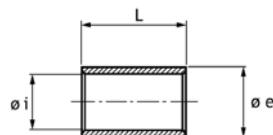
Parallel connectors, Cu, standard design

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated, other surfaces available upon request
- Also suitable for finely stranded conductors according to IEC 228
- Annealed to copper hardness F 20

Cross sect. (mm ²)	øi	øe	L	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
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1.5	1.6	3.2	7	0.04	100	18 3180
2.5	2.3	3.9	7	0.09	100	18 3182
4-6	3.6	5.6	7	0.15	100	18 3184
10	4.5	6.7	9	0.16	100	18 3186
16	5.8	8.2	10	0.25	100	18 3188
25	7.5	10.5	11	0.49	50	18 3190
35	9	12.2	12	0.74	50	18 3192
50	11	15	16	1.13	50	18 3194
70	13.1	17	19	1.5	50	18 3196
95	14.5	19	20	2.1	25	18 3198
120	16.2	21	20	3.35	25	18 3200
150	18	23	20	4.9	25	18 3202
185	20.6	26	28	5	10	18 3204
240	23	28	31	6	10	18 3206

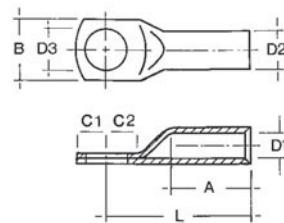


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Tubular cable lugs for switchgear connections

- Design with narrow flange, without inspection hole
- Material: ETP Cu according to DIN EN 13 600, soft, F20, so that even large cross sections can be crimped manually
- Surface: galvanically tin-coated



Cross sect. (mm ²)	Bolt ø (mm)	Dimension								Weight per 100 pcs.	PU/pcs.	Article no.
(mm ²)		ø D1	A	B	ø D3	ø D2	C1	C2	L			
35	6	8.5	17	15	6.5	12	7.5	7.5	32	1.78	25	18 3800
50	6	10	19	15	6.5	14	10	10	37	2.95	25	18 3802
8	10	19	17	8.5	14	10	10	10	37	2.82	25	18 3804
10	10	19	19	10.5	14	11.5	12	12	39	3.08	25	18 3806
70	6	12	21	17	6.5	16	10	10	43	4.22	25	18 3808
8	12	21	17	8.5	16	10	10	10	43	4.10	25	18 3810
10	12	21	19	10.5	16	11.5	12	12	44	4.45	25	18 3812
12	12	21	19	13	16	13	13	13	46	4.22	25	18 3814
95	8	13.5	25	19	8.5	18	11.5	12	48	5.46	25	18 3816
10	13.5	25	19	10.5	18	11.5	12	12	48	5.13	25	18 3818
12	13.5	25	19	13	18	13	13	13	49	5.15	25	18 3820
120	8	15	26	19	8.5	19.5	11.5	14	51	5.94	10	18 3822
10	15	26	19	10.5	19.5	11.5	14	14	51	5.81	10	18 3824
12	15	26	19	13	19.5	14	14	14	51	5.92	10	18 3826
150	8	16.5	30	19	8.5	21	11.5	14	56	6.80	10	18 3828
10	16.5	30	19	10.5	21	11.5	14	14	56	6.75	10	18 3830
12	16.5	30	19	13	21	15	15	15	57	7.15	10	18 3832
185	10	19.5	30	24.5	10.5	24	11.5	18	65	10.59	10	18 3834
12	19.5	30	31	13	24	18	18	18	65	11.09	10	18 3836
16	19.5	30	31	17	24	18	18	18	65	9.76	10	18 3838
240	10	21.5	35	31	10.5	26	11.5	19	72	12.70	5	18 3840
12	21.5	35	31	13	26	21.5	19	19	72	13.72	5	18 3842
16	21.5	35	31	17	26	21.5	19	19	72	13.28	5	18 3844
300	10	23.5	44	31	10.5	30	11.5	24	87	19.70	5	18 3846
12	23.5	44	31	13	30	24	24	24	87	22.72	5	18 3848
16	23.5	44	31	17	30	24	24	24	87	22.50	5	18 3850

Available upon request!

Sleeves for compacted or tapered conductors, Cu, standard design

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- Suitable for compacted, multi-stranded or tapered, finely stranded conductors for diameter equalisation (only narrow hex crimping!)



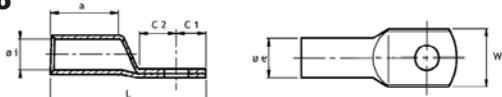
Cross sect. Length PU/pcs. Article no.

(mm ²)		(mm)	
16	11	100	18 3400
25	14	100	18 3401
35	15	100	18 3402
50	18	50	18 3403
70	19	50	18 3404
95	21	50	18 3405
120	22	50	18 3406
150	26	25	18 3407
185	26	25	18 3408
240	30	25	18 3409
300	10	10	18 3410
400	10	10	18 3411

Tubular cable lugs, Cu, designed for finely stranded conductors according to DIN 0295 and IEC 228

Specifications

- Material: ETP Cu according to DIN EN 13600
- „Easy Entry“ flared cable entry
- Surface: galvanically tin-coated, other surfaces available upon request
- Annealed to copper hardness F 20



F

Cross sect. Bolt ø W øi øe C1 C2 a L Weight per PU/pcs. Article no.
(mm²) (mm) (mm) (mm) (mm) (mm) (mm) 100 pcs. ~kg

10	5	12	5.6	8	6	7	12.6	32	0.81	100	18 3255
	6	12	5.6	8	6	7	12.6	32	0.65	100	18 3256
	8	15	5.6	8	8	10	12.6	36	0.71	100	18 3258
	10	15	5.6	8	8	10	12.6	36	0.85	100	18 3260
	12	15	5.6	8	8	10	12.6	36	0.8	100	18 3262
16	5	13	6.6	9.5	7	9	14.6	37.6	1.15	50	18 3265
	6	13	6.6	9.5	7	9	14.6	37.6	1.14	50	18 3266
	8	16	6.6	9.5	9	11	14.6	41.6	1.24	50	18 3268
	10	16	6.6	9.5	9	11	14.6	41.6	1.18	50	18 3270
	12	17.5	6.6	9.5	9	11	14.6	41.6	1.11	50	18 3272
25	5	15	7.9	11	9	11	16.5	43.5	1.73	50	18 3275
	6	15	7.9	11	9	11	16.5	43.5	1.7	50	18 3276
	8	17	7.9	11	9	11	16.5	43.5	1.65	50	18 3278
	10	17	7.9	11	9	11	16.5	43.5	1.58	50	18 3280
	12	18.5	7.9	11	9	11	16.5	43.5	1.49	50	18 3282
35	6	18	9.2	12.5	7	10	18.5	43.5	2.11	50	18 3286
	8	18	9.2	12.5	10	14	18.5	51	2.43	50	18 3288
	10	18	9.2	12.5	10	14	18.5	51	2.35	50	18 3290
	12	19	9.2	12.5	10	14	18.5	51	2.23	50	18 3292
	14	20.8	9.2	12.5	10	14.5	18.5	51	2.16	50	18 3294
50	6	21	11	15	10	14	21.5	55.5	3.75	50	18 3296
	8	21	11	15	10	14	21.5	55.5	3.88	50	18 3298
	10	21	11	15	10	14	21.5	55.5	3.78	50	18 3300
	12	21	11	15	10	14	21.5	55.5	3.62	50	18 3302
	14	21	11	15	10	14	21.5	55.5	3.5	50	18 3304

**Tubular cable lugs, Cu, designed
for finely stranded conductors according to
DIN 0295 and IEC 228**

See previous page for description



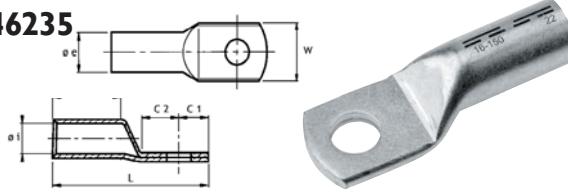
F

Cross sect. (mm ²)	Bolt ø (mm)	W	øi	øe	C1	C2	a	L	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
70	6	24	13.1	17	13.5	15.5	27.5	67.5	5.47	25	18 3306
	8	24	13.1	17	13.5	15.5	27.5	67.5	5.31	25	18 3308
	10	24	13.1	17	13.5	15.5	27.5	67.5	5.21	25	18 3310
	12	24	13.1	17	13.5	15.5	27.5	67.5	5.15	25	18 3312
	14	24	13.1	17	13.5	15.5	27.5	67.5	5.02	25	18 3314
	16	24	13.1	17	13.5	15.5	27.5	67.5	4.86	25	18 3316
95	8	28	14.5	19	13	17	32.5	75.5	7.66	25	18 3318
	10	28	14.5	19	13	17	32.5	75.5	7.55	25	18 3320
	12	28	14.5	19	13	17	32.5	75.5	7.37	25	18 3322
	14	28	14.5	19	13	17	32.5	75.5	7.15	25	18 3324
	16	28	14.5	19	13	17	32.5	75.5	7.06	25	18 3326
120	8	30	16.2	21	17	17	31.5	80	9.76	10	18 3328
	10	30	16.2	21	17	17	31.5	80	9.64	10	18 3330
	12	30	16.2	21	17	17	31.5	80	9.54	10	18 3332
	14	30	16.2	21	17	17	31.5	80	9.29	10	18 3334
	16	30	16.2	21	17	17	31.5	80	9.1	10	18 3336
150	8	33	18	23	17	18	35.5	89	11.25	10	18 3338
	10	33	18	23	17	18	31.5	89	11.12	10	18 3340
	12	33	18	23	17	18	31.5	89	10.93	10	18 3342
	14	33	18	23	17	18	31.5	89	12.77	10	18 3344
	16	33	18	23	17	18	31.5	89	12.56	10	18 3346
	20	33	18	23	13.5	21.5	31.5	89	11.98	10	18 3348
185	10	37	20.6	26	19	20	39.6	96	16.49	10	18 3350
	12	37	20.6	26	19	20	39.6	96	16.27	10	18 3352
	14	37	20.6	26	19	20	39.6	96	16.1	10	18 3354
	16	37	20.6	26	19	20	39.6	96	15.88	10	18 3356
	20	37	20.6	26	19	20	39.6	96	15.25	10	18 3360
240	12	41	23	28	19	21	41	101	17.44	10	18 3362
	14	41	23	28	19	21	41	101	17.28	10	18 3364
	16	41	23	28	19	21	41	101	17.07	10	18 3366
	20	41	23	28	19	21	41	101	16.49	10	18 3370
300	12	47	26	32	20	25	43	111	26.33	10	18 3372
	14	47	26	32	20	25	43	111	26.14	10	18 3374
	16	47	26	32	20	25	43	111	25.88	10	18 3376
	20	47	26	32	20	25	43	111	25.2	10	18 3380

Tubular compression cable lugs, Cu, DIN 46235

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated, other surfaces available upon request
- Especially suitable for finely stranded conductors according to IEC 228
- Annealed to copper hardness F 20



D

Cross sect (mm ²)	Bolt ø (mm)	Index	W	øi	øe	C1	C2	a	L	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
6	5	5	8.5	3.8	5.5	7	9	11	32	0.34	100	18 3500
	6	5	8.5	3.8	5.5	8.5	9	11	33.5	0.32	100	18 3501
	8	5	13	3.8	5.5	11	9	11	36	0.35	100	18 3570
10	5	6	9	4.5	6	7	11	12	35	0.39	100	18 3502
	6	6	9	4.5	6	8.5	11	12	36.5	0.38	100	18 3503
	8	6	13	4.5	6	11	11	12	39	0.38	100	18 3504
16	6	8	13	5.5	8.5	8.5	12.5	20.5	45.5	1.32	100	18 3505
	8	8	13	5.5	8.5	11	12.5	20.5	48	1.27	100	18 3506
	10	8	17	5.5	8.5	13	12.5	20.5	50	1.31	100	18 3507
	12	8	18	5.5	8.5	14	12.5	20.5	51	1.35	100	18 3508
25	6	10	14	7	10	8.5	13.5	20.5	47.5	1.67	50	18 3509
	8	10	16	7	10	11	13.5	20.5	50	1.64	50	18 3510
	10	10	17	7	10	13	13.5	20.5	52	1.72	50	18 3511
	12	10	19	7	10	14	13.5	20.5	53	1.65	25	18 3512
35	6	12	17	8.2	12.5	8.5	14.5	20.5	51.5	2.5	100	18 3572
	8	12	17	8.2	12.5	11	14.5	20.5	54	3.44	50	18 3513
	10	12	19	8.2	12.5	13	14.5	20.5	56	3.34	50	18 3514
	12	12	21	8.2	12.5	14	14.5	20.5	57	3.21	50	18 3515
	14	12	21	8.2	12.5	15.5	14.5	20.5	58.5	4.4	25	18 3516
50	8	14	20	10	14.5	11	16.5	30	64	5.04	50	18 3517
	10	14	22	10	14.5	13	16.5	30	66	4.93	50	18 3518
	12	14	24	10	14.5	14	16.5	30	67	5.06	50	18 3519
	14	14	24	10	14.5	15.5	16.5	30	68.5	4.96	25	18 3520
	16	14	28	10	14.5	17	16.5	30	70	4.77	25	18 3521
70	8	16	24	11.5	16.5	11	16.5	31	67	6.76	25	18 3522
	10	16	24	11.5	16.5	13	16.5	31	69	6.64	25	18 3523
	12	16	24	11.5	16.5	14	16.5	31	70	6.8	25	18 3524
	14	16	24	11.5	16.5	15.5	16.5	31	71.5	6.12	25	18 3525
	16	16	30	11.5	16.5	17	16.5	31	73	6.43	25	18 3526
95	8	18	28	13.5	19	11	16.5	37	77	9.95	25	18 3574
	10	18	28	13.5	19	13	16.5	37	79	10.22	25	18 3527
	12	18	28	13.5	19	14	16.5	37	80	10	25	18 3528
	14	18	28	13.5	19	15.5	16.5	37	81.5	10	25	18 3529
	16	18	32	13.5	19	17	16.5	37	83	9.58	25	18 3530
120	10	20	32	15.5	21	13	21	38	84	11.36	25	18 3531
	12	20	32	15.5	21	14	21	38	85	11.28	25	18 3532
	14	20	32	15.5	21	15.5	21	38	86.5	11.7	25	18 3533
	16	20	32	15.5	21	17	21	38	88	11.63	25	18 3534
	20	20	38	15.5	21	20	21	38	91	12.18	25	18 3535
150	10	22	34	17	23.5	13	21	41	92	16.97	10	18 3536
	12	22	34	17	23.5	14	21	41	93	15.16	10	18 3537
	14	22	34	17	23.5	15.5	21	41	94.5	16.38	10	18 3538
	16	22	34	17	23.5	17	21	41	96	17.43	10	18 3539
	20	22	40	17	23.5	20	21	41	99	17.65	10	18 3540
185	10	25	37	19	25.5	13	24	42	96	18.96	10	18 3541
	12	25	37	19	25.5	14	24	42	97	18.89	10	18 3542
	14	25	37	19	25.5	15.5	24	42	98.5	19.21	10	18 3543
	16	25	37	19	25.5	17	24	42	100	19.92	10	18 3544
	20	25	40	19	25.5	20	24	42	103	20.09	10	18 3545
240	12	28	42	21.5	29	14	24	51	107	27.55	5	18 3546
	14	28	42	21.5	29	15.5	24	51	108.5	28.7	5	18 3547
	16	28	42	21.5	29	17	24	51	110	28.44	5	18 3548
	20	28	45	21.5	29	20	24	51	113	28.44	5	18 3549
300	14	32	48	24.5	32	15.5	24	55	116.5	37.4	5	18 3550
	16	32	48	24.5	32	17	24	55	118	32.46	5	18 3551
	20	32	48	24.5	32	20	24	55	121	32.72	5	18 3552
400	14	38	55	27.5	38.5	23	24	72	139	68.5	5	18 3553
	16	38	55	27.5	38.5	23	24	72	139	68.2	5	18 3554
	20	38	55	27.5	38.5	23	24	72	139	67.5	5	18 3555
500	16	42	60	31	42	23	26	75	149	81	5	18 3556
	20	42	60	31	42	23	26	75	149	81	5	18 3557
625	16	44	60	34.5	44	23	26	83	159	84	5	18 3558
	20	44	60	34.5	44	23	26	83	159	84	5	18 3559

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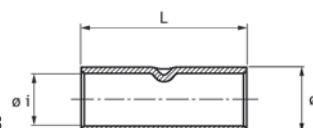
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Compression joints, Cu, DIN 46267, part 1

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated, other surfaces available upon request
- For connections with strain relief
- Especially suitable for finely stranded conductors according to IEC 228
- Annealed to copper hardness F 20



D

Cross sect. (mm ²)	Index	øi	øe	L	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
6	5	3.8	5.5	31	0.34	100	18 3700
10	6	4.5	6	31	0.34	100	18 3701
16	8	5.5	8.5	51	1.5	100	18 3702
25	10	7	10	51	1.82	50	18 3703
35	12	8.2	12.5	51	3.17	50	18 3704
50	14	10	14.5	57	4.39	50	18 3705
70	16	11.5	16.5	57	5.57	50	18 3706
95	18	13.5	19	71	8.86	25	18 3707
120	20	15.5	21	71	9.95	25	18 3708
150	22	17	23.5	81	14.89	10	18 3709
185	25	19	25.5	86	17.37	10	18 3710
240	28	21.5	29	91	24.07	10	18 3711
300	32	24.5	32	101	29.88	5	18 3712
400	38	27.5	38.5	151	76.54	5	18 3713
500	42	31	42	161	90.27	1	18 3714
625	44	34.5	44	161	83.83	1	18 3715

Tubular compression cable lugs, Al, DIN 46329

made of E-Al, bare, barrier seal design with oil stop.



NEW

AL

Bore	Index	D1 mm	D2 mm	A mm	B mm	L mm	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
50 mm ² rm/sm and 70 mm ² se cross section									
M 8	16	9.8	8.4	42	25	62	2.75	4	18 3617
M10	16	9.8	10.5	42	25	62	2.7	4	18 3618
M12	16	9.8	13	42	25	62	2.65	4	18 3619
70 mm ² rm/sm and 95 mm ² se cross section									
M8	18	11.2	8.4	52	25	72	3.45	4	18 3622
M10	18	11.2	10.5	52	25	72	3.8	4	18 3623
M12	18	11.2	13	52	25	72	3.35	4	18 3624
95 mm ² rm/sm and 120 mm ² se cross section									
M10	22	13.2	10.5	56	25	75	6.9	4	18 3627
M12	22	13.2	13	56	25	75	4.92	4	18 3628
M16	22	13.2	17	56	25	75	6	4	18 3630
120 mm ² rm/sm and 150 mm ² se cross section									
M10	22	14.7	10.5	56	30	80	5.95	4	18 3631
M12	22	14.7	13	56	30	80	5.84	4	18 3632
M16	22	14.7	17	56	30	80	6.6	4	18 3634
150 mm ² rm/sm and 185 mm ² se cross section									
M10	25	16.3	10.5	60	30	90	8.5	4	18 3636
M12	25	16.3	13	60	30	90	7.73	4	18 3637
M16	25	16.3	17	60	30	90	7.6	4	18 3639
M20	25	16.3	21	60	30	90	8.2	4	18 3640
185 mm ² rm/sm and 240 mm ² se cross section									
M10	28	18.3	10.5	60	30	91	11	4	18 3641
M12	28	18.3	13	60	30	91	9.88	4	18 3642
M16	28	18.3	17	60	30	91	10.1	4	18 3644
M20	28	18.3	21	60	30	91	10	4	18 3645
240 mm ² rm/sm and 300 mm ² se cross section									
M10	32	21	10.5	70	38	103	15.5	4	18 3646
M12	32	21	13	70	38	103	13.8	4	18 3647
M16	32	21	17	70	38	103	13.48	4	18 3648
M20	32	21	21	70	38	103	15	4	18 3649
300 mm ² rm/sm cross section									
M12	34	23.3	13	70	38	103	17.6	1	18 3650
M16	34	23.3	17	70	38	103	17.28	1	18 3651
M20	34	23.3	21	70	38	103	17.4	1	18 3652
400 mm ² cross section									
M12	38	26	13	73	38	116	38	1	18 3653
M16	38	26	17	73	38	116	37.4	1	18 3654
M20	38	26	21	73	38	116	40.2	1	18 3655
500 mm ² cross section									
M12	44	29	13	79	44	122	43.7	1	18 3656
M16	44	29	17	79	44	122	43.3	1	18 3657
M20	44	29	21	79	44	122	43	1	18 3658



Compression joints, Al, DIN 46267, part 2

made of E-Al, bare. For pre-rounded sm/se sector-shaped conductors.



AL

Cross sect. rm/sm (mm ²)	Cross sect. se (mm ²)	Index	Interior ø mm	Length mm	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
35	50	14	8	85	2.6	10	18 3860
50	70	16	9.8	85	3.2	10	18 3861
70	95	18	11.2	105	5.3	10	18 3862
95	120	22	13.2	105	7.6	10	18 3863
120	150	22	14.7	105	7.8	10	18 3864
150	185	25	16.3	125	10.7	10	18 3865
185	240	28	18.3	125	14.3	5	18 3866
240	300	32	21	145	20.3	5	18 3867
300	--	34	23.3	145	22.2	1	18 3868
400	--	38	26	210	40.8	1	18 3869

Compression cable lugs, Al-Cu

made of E-Al and E-Cu according to EN 13600, bare, barrier seal with solid Cu screw mounting link. Tube dimensions according to DIN 46329, with compression markings. For screwing Al connections to Cu rails. For strain-relieved Al cables according to DIN 48201, part 1 and Al conductors according to DIN EN 50182. For pre-rounded sector-shaped conductors.



AL

Cross sect. rm/sm (mm ²)	Cross sect. se (mm ²)	Index	D1 mm	D2 mm	B mm	L mm	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
-----------------------------------------------	-----------------------------------------	-------	----------	----------	---------	---------	----------------------------	---------	-------------

25 mm² rm/sm and 35 mm² se cross section

25	35	12	6.8	8.5	25	61	3.2	10	18 3910
25	35	12	6.8	10.5	25	61	3.1	10	18 3911
25	35	12	6.8	13	25	61	3	10	18 3912

35 mm² rm/sm and 50 mm² se cross section

35	50	14	8	10.5	25	71	3.8	10	18 3914
35	50	14	8	13	25	71	3.6	10	18 3915

50 mm² rm/sm and 70 mm² se cross section

50	70	16	9.8	10.5	25	72	4.3	10	18 3918
50	70	16	9.8	13	25	72	4.1	10	18 3919

70 mm² rm/sm and 95 mm² se cross section

70	95	18	11.2	10.5	25	82	5.3	10	18 3923
70	95	18	11.2	13	25	82	5.1	10	18 3924

95 mm² rm/sm and 120 mm² se cross section

95	120	22	13.2	13	30	85	9.9	10	18 3928
95	120	22	13.2	17	30	85	10.5	10	18 3930

120 mm² rm/sm and 150 mm² se cross section

120	150	22	14.7	13	30	87	10.6	10	18 3932
120	150	22	14.7	17	30	87	10	10	18 3934

150 mm² rm/sm and 185 mm² se cross section

150	185	25	16.3	13	30	104	16.2	5	18 3937
150	185	25	16.3	17	30	104	15.7	5	18 3939

185 mm² rm/sm and 240 mm² se cross section

185	240	28	18.3	13	30	105	21.8	5	18 3942
185	240	28	18.3	17	30	105	21.4	5	18 3944

240 mm² rm/sm and 300 mm² se cross section

240	300	32	21	13	35	120	29.8	5	18 3946
240	300	32	21	17	35	120	29	5	18 3948

300 mm² rm/sm cross section

300	34	24.5	17	40	120	40.7	1	18 3951
300	34	24.5	21	40	120	39.5	1	18 3952

Compression joints, Al-Cu, DIN 46267, part 2

made of E-Al and E-Cu according to EN 13600, bare. For connecting Cu cables according to DIN 48201, Al cables according to DIN 48201, part 1 and Al conductors DIN EN 50182.



NEW

AL

Cross sect. Al rm/sm (mm ²)	Cross sect. Al se (mm ²)	Cross sect. Cu (mm ²)	Index Al	Index Cu	Al mm	Cu mm	Length mm	Weight Cu kg/100	Weight total kg/100	Article no.
--------------------------------------------------	-----------------------------------------------	-----------------------------------------	-------------	-------------	----------	----------	--------------	------------------------	---------------------------	-------------

70 mm² Al rm/sm and 95 mm² Al se cross section

70	95	16	18	8	11.2	5.5	79	0.71	4.1	18 3420
70	95	25	18	10	11.2	7	79	0.89	3.95	18 3421
70	95	35	18	12	11.2	8.2	79	1.62	4.9	18 3422
70	95	50	18	14	11.2	10	85	2.36	5.7	18 3423
70	95	70	18	16	11.2	11.5	96	2.92	7.25	18 3424
70	95	95	18	18	11.2	13.5	95	4.96	9.36	18 3425
70	95	120	18	20	11.2	15.5	99	5.64	10.54	18 3426

95 mm² Al rm/sm and 120 mm² Al se cross section

95	120	16	22	8	13.2	5.5	79	0.71	6.15	18 3430
95	120	25	22	10	13.2	7	79	0.89	6.3	18 3431
95	120	35	22	12	13.2	8.2	79	1.52	6.8	18 3432
95	120	50	22	14	13.2	10	85	2.36	8.05	18 3433
95	120	70	22	16	13.2	11.5	87	3.11	8.2	18 3434
95	120	95	22	18	13.2	13.5	95	4.96	10.35	18 3435
95	120	120	22	20	13.2	15.5	95	5.64	11.55	18 3436

120 mm² Al rm/sm and 150 mm² Al se cross section

120	150	35	22	12	14.7	8.2	81	1.52	7.6	18 3440
120	150	50	22	14	14.7	10	87	2.36	7.9	18 3441
120	150	70	22	16	14.7	11.5	89	3.11	8.5	18 3442
120	150	95	22	18	14.7	13.5	97	4.86	11	18 3443
120	150	120	22	20	14.7	15.5	97	5.64	10.28	18 3444

150 mm² Al rm/sm and 185 mm² Al se cross section

150	185	16	25	8	16.3	5.4	92	0.71	7.8	18 3450
150	185	25	25	10	16.3	6.8	92	0.89	8	18 3451
150	185	35	25	12	16.3	8.2	92	1.62	8.4	18 3452
150	185	50	25	14	16.3	10	99	2.36	10.2	18 3453
150	185	70	25	16	16.3	11.5	100	3.11	10.35	18 3454
150	185	95	25	18	16.3	13.5	108	4.96	12.65	18 3455
150	185	120	25	20	16.3	15.5	108	5.64	13.9	18 3456
150	185	150	25	22	16.3	17	124	8.23	16.7	18 3457

185 mm² Al rm/sm and 240 mm² Al se cross section

185	240	50	28	14	18.3	10	99	2.36	12.1	18 3460
185	240	70	28	16	18.3	11.5	100	3.11	13	18 3461
185	240	95	28	18	18.3	13.5	108	4.96	14.45	18 3462
185	240	120	28	20	18.3	15.5	108	5.64	13.72	18 3463
185	240	150	28	22	18.3	17	113	8.23	19.55	18 3464
185	240	185	28	25	18.3	19	116	9.62	21	18 3465

240 mm² Al rm/sm and 300 mm² Al se cross section

240	300	50	32	14	21	10	110	2.36	16.5	18 3470
240	300	70	32	16	21	11.5	111	3.11	18	18 3471
240	300	95	32	18	21	13.5	119	4.96	19	18 3472
240	300	120	32	20	21	15.5	119	5.64	20.5	18 3473
240	300	150	32	22	21	17	124	8.23	23.3	18 3474
240	300	185	32	25	21	19	127	9.62	25.5	18 3475
240	300	240	32	28	21	21.5	128	12.71	30.1	18 3476

300 mm² Al rm/sm and 300 mm² Al se cross section

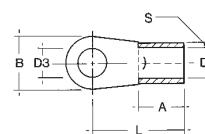
300	300	120	34	20	23.5	15.5	119	5.64	27.8	18 3480
300	300	150	34	22	23.5	17	124	8.23	31.1	18 3481
300	300	185	34	25	23.5	19	127	9.62	32.7	18 3482
300	300	240	34	28	23.5	21.5	128	12.71	37.5	18 3483
300	300	300	34	32	23.5	24.5	134	16.1	41.7	18 3484

Solderless terminals, ring-type, Cu, DIN 46234

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated, other surfaces available upon request
- Especially suitable for finely stranded conductors according to IEC 228

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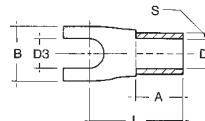
Cross sect. (mm ²)	Bolt ø (mm)	Nominal size acc. to DIN	D1	D3	A	B	L	S	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.5 - 1	3	3 - 1	1.6	3.2	5	6	11	0.8	0.07	100	18 0400
	4	4 - 1	1.6	4.3	5	8	12	0.8	0.07	100	18 0402
	5	5 - 1	1.6	5.3	5	10	13	0.8	0.07	100	18 0403
1.5 - 2.5	3	3 - 2.5	2.3	3.2	5	6	11	0.8	0.07	100	18 0407
	4	4 - 2.5	2.3	4.3	5	8	12	0.8	0.08	100	18 0408
	5	5 - 2.5	2.3	5.3	5	10	14	0.8	0.09	100	18 0410
6	6	6 - 2.5	2.3	6.5	5	11	16	0.8	0.11	100	18 0412
	8	8 - 2.5	2.3	8.4	5	14	17	0.8	0.13	100	18 0413
	4 - 6	4 - 6	3.6	4.3	6	8	14	1	0.14	100	18 0416
8	5	5 - 6	3.6	5.3	6	10	15	1	0.16	100	18 0418
	6	6 - 6	3.6	6.5	6	11	16	1	0.16	100	18 0420
	8	8 - 6	3.6	8.4	6	14	19	1	0.22	100	18 0422
10	10	10 - 6	3.6	10.5	6	18	21	1	0.28	100	18 0423
	5	5 - 10	4.5	5.3	8	10	16	1.1	0.23	100	18 0426
	6	6 - 10	4.5	6.5	8	11	17	1.1	0.25	100	18 0428
12	8	8 - 10	4.5	8.4	8	14	20	1.1	0.3	100	18 0430
	10	10 - 10	4.5	10.5	8	18	21	1.1	0.35	100	18 0432
	12	12 - 10	4.5	13	8	22	23	1.1	0.43	100	18 0434
16	5	5 - 16	5.8	5.3	10	11	20	1.2	0.39	100	18 0436
	6	6 - 16	5.8	6.5	10	11	20	1.2	0.38	100	18 0438
	8	8 - 16	5.8	8.4	10	14	22	1.2	0.43	100	18 0440
18	10	10 - 16	5.8	10.5	10	18	24	1.2	0.5	100	18 0442
	12	12 - 16	5.8	13	10	22	26	1.2	0.5	100	18 0444
	25	5 - 25	7.5	5.3	11	12	25	1.5	0.7	100	18 0446
20	6	6 - 25	7.5	6.5	11	12	25	1.5	0.69	100	18 0448
	8	8 - 25	7.5	8.4	11	16	25	1.5	0.75	100	18 0450
	10	10 - 25	7.5	10.5	11	18	26	1.5	0.8	100	18 0452
22	12	12 - 25	7.5	13	11	22	31	1.5	0.92	100	18 0454
	16	16 - 25	7.5	17	11	28	35	1.5	0.92	100	18 0456
	35	6 - 35	9	6.5	12	15	26	1.6	1.01	100	18 0458
24	8	8 - 35	9	8.4	12	16	26	1.6	0.98	100	18 0460
	10	10 - 35	9	10.5	12	18	27	1.6	1	100	18 0462
	12	12 - 35	9	13	12	22	31	1.6	1.26	100	18 0464
26	16	16 - 35	9	17	12	28	36	1.6	1.47	100	18 0466
	50	6 - 50	11	6.5	16	18	34	1.8	1.75	100	18 0468
	8	8 - 50	11	8.4	16	18	34	1.8	1.68	100	18 0470
28	10	10 - 50	11	10.5	16	18	34	1.8	1.6	100	18 0472
	12	12 - 50	11	13	16	22	36	1.8	1.8	100	18 0474
	16	16 - 50	11	17	16	28	40	1.8	2.1	100	18 0476
30	70	6 - 70	13	6.5	18	22	38	2	2.7	100	18 0478
	8	8 - 70	13	8.4	18	22	38	2	2.6	100	18 0480
	10	10 - 70	13	10.5	18	22	38	2	2.5	100	18 0482
32	12	12 - 70	13	13	18	22	38	2	2.4	100	18 0484
	16	16 - 70	13	17	18	28	42	2	2.7	100	18 0486
	95	8 - 95	15	8.4	20	24	42	2.5	4.02	100	18 0488
34	10	10 - 95	15	10.5	20	24	42	2.5	3.92	100	18 0490
	12	12 - 95	15	13	20	24	42	2.5	3.9	100	18 0492
	16	16 - 95	15	17	20	28	44	2.5	3.7	100	18 0494
36	120	8 - 120	17	8.4	22	24	44	3	5.8	100	18 0496
	10	10 - 120	17	10.5	22	24	44	3	5.6	100	18 0498
	12	12 - 120	17	13	22	24	44	3	5.4	100	18 0500
38	16	16 - 120	17	17	22	28	48	3	5.8	100	18 0502
	150	10 - 150	19	10.5	24	30	50	3.2	7.7	100	18 0504
	12	12 - 150	19	13	24	30	50	3.2	7.6	100	18 0506
40	16	16 - 150	19	17	24	30	50	3.2	7.5	100	18 0508
	185	12 - 185	21	13	28	36	50	3.5	10.8	100	18 0510
	16	16 - 185	21	17	28	36	50	3.5	10.2	100	18 0512
42	240	12 - 240	23.5	13	32	38	56	4	14.70	100	18 0514
	16	16 - 240	23.5	17	32	38	56	4	14.30	100	18 0516

cimco®

Solderless terminal, fork-type, Cu

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- Hard soldered ferrule seam
- For connections with strain relief
- Especially suitable for finely stranded conductors according to IEC 228

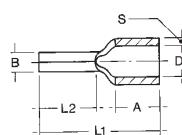


Cross sect. (mm ²)	Bolt ø (mm)	D1	D3	A	B	L	S	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.5 - 1	3	1.6	3.2	5	5.8	11	0.8	0.06	100	18 0520
	4	1.6	4.3	5	7	12	0.8	0.07	100	18 0522
	5	1.6	5.3	5	9.6	13	0.8	0.07	100	18 0524
1.5 - 2.5	3	2.3	3.2	5	5.8	11	0.8	0.06	100	18 0530
	4	2.3	4.3	5	7	12	0.8	0.08	100	18 0532
	5	2.3	5.3	5	9.6	13	0.8	0.09	100	18 0534
4 - 6	6	2.3	6.5	5	12	13	0.8	0.12	100	18 0536
	4	3.6	4.3	6	8.5	14	1	0.14	100	18 0540
	5	3.6	5.3	6	9	14	1	0.16	100	18 0542
10	6	3.6	6.5	6	12.5	18	1	0.17	100	18 0544
	8	3.6	8.4	6	15	21	1	0.2	100	18 0546
	5	4.5	5.3	7	10.5	17	1.1	0.22	100	18 0550
16	6	4.5	6.5	7	10.5	17	1.1	0.25	100	18 0552
	5	5.8	5.3	10	11	20	1.2	0.358	100	18 0560
	6	5.8	6.5	10	11	20	1.2	0.358	100	18 0562

Pin terminals, Cu, 0.5 - 6 mm acc. to DIN 46230

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- Hard soldered ferrule seam
- For connections with strain relief
- Especially suitable for finely stranded conductors according to IEC 228



Cross sect. (mm ²)	Bolt ø (mm)	L1	L2	D1	A	B	S	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.5 - 1	1.8	17	10	1.8	5	1.9	0.8	0.06	100	18 0590
1.5-2,5	2.3	17	10	2.3	5	1.9	0.8	0.07	100	18 0592
4 - 6	3.4	20	11	3.6	6	2.7	0.8	0.15	100	18 0594
10	4.5	24.5	11	4.3	10	4.3	1	0.27	100	18 0600
16	6	29.5	15	5.4	11.5	5.8	1	0.42	100	18 0602
25	7	33.5	15	6.7	13.5	6.8	1.2	0.66	100	18 0604
35	8	40.5	20	8.2	16	8	1.5	1.2	50	18 0606
50	9.5	45	20	9.5	19	9.5	1.8	1.91	50	18 0608
70	11	55	23	11.2	24	11	2	3	50	18 0610
95	12.5	55	23	13.5	24	12.5	2.5	4.3	50	18 0612

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Tubular cable lug set

in a premium raaco component box with crimping pliers

Content:

255 pieces, sorted:

- 25 tubular cable lugs, 6 mm², M6
- 25 tubular cable lugs, 6 mm², M8
- 25 tubular cable lugs, 10 mm², M6
- 25 tubular cable lugs, 10 mm², M8
- 25 tubular cable lugs, 16 mm², M8
- 25 tubular cable lugs, 25 mm², M8
- 25 tubular cable lugs, 25 mm², M10
- 20 tubular cable lugs, 35 mm², M8
- 20 tubular cable lugs, 35 mm², M10
- 20 tubular cable lugs, 50 mm², M10
- 20 tubular cable lugs, 50 mm², M12
- Crimping tool, 6 - 50 mm², hex crimp

PU	Article no.
	18 0694
	18 0696
	18 0702
	18 0704
	18 0712
	18 0722
	18 0724
	18 0732
	18 0734
	18 0742
	18 0744
	10 1882

Component box with tubular cable lugs

1 18 1545



Compression cable lug set

in a premium raaco component box with crimping pliers

Content:

370 pieces, sorted:

- 50 compression cable lugs 6 mm², M5
- 50 compression cable lugs 6 mm², M6
- 50 compression cable lugs 10 mm², M5
- 50 compression cable lugs 10 mm², M6
- 25 compression cable lugs 16 mm², M8
- 25 compression cable lugs 16 mm², M10
- 25 compression cable lugs 25 mm², M8
- 25 compression cable lugs 25 mm², M10
- 20 compression cable lugs 35 mm², M8
- 20 compression cable lugs 35 mm², M10
- 15 compression cable lugs 50 mm², M10
- 15 compression cable lugs 50 mm², M12
- Crimping tool, 6 - 50 mm², hex crimp

PU	Article no.
	18 3500
	18 3501
	18 3502
	18 3503
	18 3506
	18 3507
	18 3510
	18 3511
	18 3513
	18 3514
	18 3518
	18 3519
	10 1883

Component box with compression cable lugs

1 18 1546

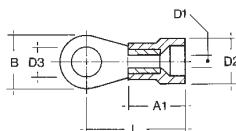


Insulated cable connectors

Solderless terminals, ring-type, Cu, insulated, DIN 46237 from 0.5 - 6 mm²

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- For connections with strain relief
- Insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily



IS

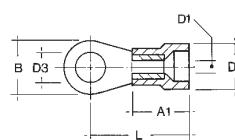
Cross sect. (mm ²)	Bolt ø (mm)	Nominal size acc. to DIN	Insulation colour	D1	D2	D3	A1	B	L	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.1 - 0.4	2		yellow	1	3.2	2.3	10.5	5	14	0.02	100	18 0008
	3		yellow	1	3.2	3.2	10.5	5	16	0.03	100	18 0010
	4		yellow	1	3.2	4.3	10.5	6	17	0.04	100	18 0014
	5		yellow	1	3.2	5.3	10.5	8	18	0.05	100	18 0016
0.5 - 1	3	3 - 1	red	1.6	4.1	3.2	11.5	6	16	0.07	100	18 0020
	4	4 - 1	red	1.6	4.1	4.3	11.5	8	17	0.08	100	18 0024
	5	5 - 1	red	1.6	4.1	5.3	11.5	10	18	0.1	100	18 0026
	6		red	1.6	4.1	6.5	11.5	11	20	0.11	100	18 0028
	8		red	1.6	4.1	8.4	11.5	14	22	0.14	100	18 0027
	10		red	1.6	4.1	10.5	11.5	18	24	0.19	100	18 0029
1,5 - 2,5	3	3 - 2,5	blue	2.3	4.5	3.2	11.5	6	17	0.08	100	18 0030
	4	4 - 2,5	blue	2.3	4.5	4.3	11.5	8	18	0.09	100	18 0034
	5	5 - 2,5	blue	2,3	4.5	5.3	11.5	10	20	0.11	100	18 0036
	6	6 - 2,5	blue	2.3	4.5	6.5	11.5	11	22	0.12	100	18 0038
	8	8 - 2,5	blue	2.3	4.5	8.4	11.5	14	23	0.15	100	18 0040
	10		blue	2.3	4.5	10.5	11.5	18	25	0,21	100	18 0042
4 - 6	4	4 - 6	yellow	3.6	6.8	4.3	13	8	20	0.16	100	18 0050
	5	5 - 6	yellow	3.6	6.8	5.3	13	10	21	0.19	100	18 0052
	6	6 - 6	yellow	3.6	6.8	6.5	13	11	22	0.2	100	18 0054
	8	8 - 6	yellow	3.6	6.8	8.4	13	14	25	0.24	100	18 0056
	10	10 - 6	yellow	3.6	6.8	10.5	13	18	27	0.3	100	18 0058
10	5		red	4.5	8.6	5.3	16.5	10	24	0.29	100	18 0070
	6		red	4.5	8.6	6.5	16.5	11	25	0.3	100	18 0072
	8		red	4.5	8.6	8.4	16.5	14	28	0.34	50	18 0074
	10		red	4.5	8.6	10.5	16.5	18	29	0.41	50	18 0076
	12		red	4.5	8.6	13	16.5	22	31	0.49	50	18 0078
16	5		blue	5.8	9.6	5.3	21.5	11	30	0.494	50	18 0080
	6		blue	5.8	9.6	6.5	21.5	11	30	0.494	50	18 0082
	8		blue	5.8	9.6	8.4	21.5	14	32	0.592	50	18 0084
	10		blue	5.8	9.6	10.5	21.5	18	34	0.572	50	18 0086
	12		blue	5.8	9.6	13	21.5	22	36	0.768	50	18 0088



Solderless terminals, fork-type, Cu, insulated, DIN 46237 from 0.5 - 6 mm²

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- For connections with strain relief
- Insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily



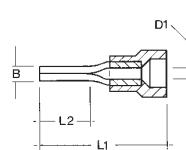
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Cross sect. (mm ²)	Bolt ø (mm)	Nominal size acc. to DIN	Insulation colour	D1	D2	D3	A1	B	L	Weight per 100 pcs.	PU/pcs. ~kg	Article no.
0.1 - 0.4	3		yellow	1	3.2	3.3	10.5	5	16	0.04	100	18 0118
0.5 - 1	3	3 - 1	red	1.6	4.1	3.2	11.5	5.8	16	0.07	100	18 0120
	4	4 - 1	red	1.6	4.1	4.3	11.5	7	17	0.08	100	18 0124
	5	5 - 1	red	1.6	4.1	5.3	11.5	9.6	18	0.09	100	18 0126
	6		red	1.6	4.1	6.5	11.5	11	20	0.1	100	18 0128
1.5 - 2.5	3	3 - 2.5	blue	2.3	4.5	3.2	11.5	5.9	17	0.08	100	18 0140
	4	4 - 2.5	blue	2.3	4.5	4.3	11.5	7	19	0.09	100	18 0144
	5	5 - 2.5	blue	2.3	4.5	5.3	11.5	10	20	0.11	100	18 0146
	6	6 - 2.5	blue	2.3	4.5	6.5	11.5	12	23	0.12	100	18 0148
4 - 6	4	4 - 6	yellow	3.6	6.8	4.3	13	9	20	0.17	100	18 0160
	5	5 - 6	yellow	3.6	6.8	5.3	13	9	21	0.19	100	18 0162
	6	6 - 6	yellow	3.6	6.8	6.5	13	12.5	22	0.2	100	18 0164
	8	8 - 6	yellow	3.6	6.8	8.4	13	15	25	0.24	100	18 0166
	10	10 - 6	yellow	3.6	6.8	10.5	13	19.2	27	0.3	100	18 0168
10	5		red	4.5	8.6	5.3	16.5	10.5	17	0.16	100	18 0170
	6		red	4.5	8.6	6.4	16.5	10.5	17	0.16	100	18 0172
16	6		blue	5.8	9.6	6.4	21.5	11	20	0.44	100	18 0174

Solderless terminals, pin-type, Cu, insulated, DIN 46231 from 0.5 - 6 mm²

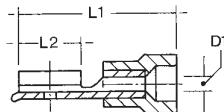
Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated, other surfaces available upon request
- For connections with strain relief
- Insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily



IS

Cross sect. (mm ²)	Bolt length (mm)	Nominal size acc. to DIN	Insulation colour	L1	L2	D1	B	Weight per 100 pcs.	PU/pcs. ~kg	Article no.
0.1 - 0.4	9		yellow	20	9	1	1	0.05	100	18 0220
0.5 - 1	10	1	red	22	10	1.6	1.9	0.08	100	18 0222
1.5 - 2.5	10	2.5	blue	22	10	2.3	1.9	0.09	100	18 0224
4 - 6	11	6	yellow	27	11	3.6	2.7	0.19	100	18 0226
10	11		red	33	11	4.3	4.3	0.31	100	18 0227
16	15		blue	38	15	5.4	5.5	0.49	100	18 0228



Blade receptacles, insulated, DIN 46245, part 1-3, and similar designs

Specifications

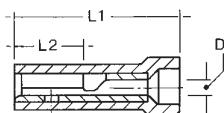
- Material: CuZn (brass)
- Surface: galvanically tin-coated
- For connections with strain relief and Cu inner sleeve
- Insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily

Cross Plug dimension	Nominal sect.	Insulation size	L1	L2	D1	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
(mm ²)		acc. to DIN						
0.5 - 1	2.8 x 0.5	red	17.5	8	1.6	0.07	100	18 0250
	2.8 x 0.8	red	17.5	8	1.6	0.07	100	18 0252
	4.8 x 0.5	red	18	6	1.6	0.09	100	18 0254
	4.8 x 0.8	4.8 - 1	18	6	1.6	0.09	100	18 0256
	6.3 x 0.8	6.3 - 1	22	7.5	1.6	0.11	100	18 0230
1.5 - 2.5	2.8 x 0.5	blue	18	8	2.3	0,1	100	18 0236
	2.8 x 0.8	blue	18	8	2.3	0.08	100	18 0238
	4.8 x 0.5	blue	18	6	2.3	0.09	100	18 0258
	4.8 x 0.8	4.8 - 2.5	18	6	2.3	0.09	100	18 0260
	6.3 x 0.8	6.3 - 2.5	21	7.4	2.3	0.11	100	18 0232
4 - 6	6.3 x 0.8	6.3 - 6	yellow	21	7.5	3.6	0,17	100
	9.5 x 1.2	yellow	26.5	12	3.6	0,26	100	18 0234
								18 0235

Blade receptacles, fully insulated

Specifications

- Material: CuZn (brass)
- Surface: galvanically tin-coated
- For connections with strain relief and Cu inner sleeve
- Insulation: fully insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily



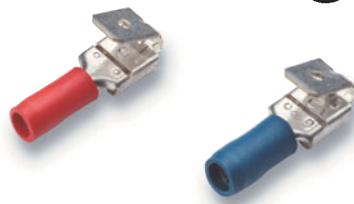
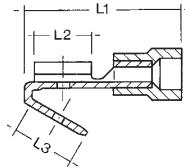
Cross Plug dimension	Nominal sect.	Insulation colour	L1	L2	D1	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
(mm ²)								
0.5 - 1	2.8 x 0.5	red	20	8	1.6	0.08	100	18 0241
	2.8 x 0.8	red	20	8	1.6	0.1	100	18 0243
	4.8 x 0.5	red	18	6	1.6	0.09	100	18 0244
	4.8 x 0.8	red	18	6	1.6	0.09	100	18 0245
	6.3 x 0.8	red	21	7.5	1.6	0.12	100	18 0240
1.5 - 2.5	2.8 x 0.5	blue	20	8	2.3	0,1	100	18 0246
	2.8 x 0.8	blue	20	8	2.3	0.09	100	18 0247
	4.8 x 0.5	blue	18	6	2.3	0.1	100	18 0248
	4.8 x 0.8	blue	18	6	2.3	0.1	100	18 0249
	6.3 x 0.8	blue	21	7.4	2.3	0.13	100	18 0242
4 - 6	4.8 x 0.5	yellow	18	6	2.3	0.15	100	18 0270
	4.8 x 0.8	yellow	18	6	2.3	0.15	100	18 0272
	6.3 x 0.8	yellow	21	7.5	3.6	0.19	100	18 0274



Blade receptacles with branch, insulated

Specifications

- Material: CuZn (brass)
- Surface: galvanically tin-coated
- For connections with strain relief and Cu inner sleeve
- Insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily

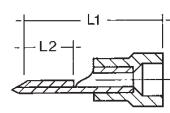
**IS**

Cross Plug dimension	Insulation	L1	L2	D1	Weight per	PU/pcs.	Article no.
sect.	(mm)	colour			100 pcs. ~kg		
0.5 - 1	6.3 x 0.8	red	22	7.5	8	0.15	100 18 0280
1.5 - 2.5	6.3 x 0.8	blue	22	7.5	8	0.15	100 18 0282
4 - 6	6.3 x 0.8	yellow	25	8	8	0.21	100 18 0284

Tabs, insulated

Specifications

- Material: CuZn (brass)
- Surface: galvanically tin-coated
- For connections with strain relief and Cu inner sleeve
- Insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily

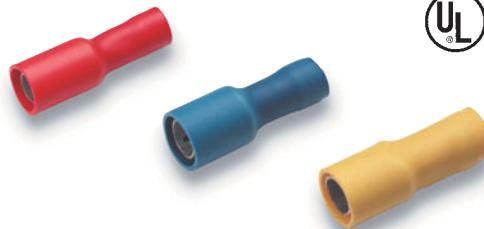
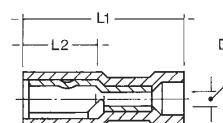
**IS**

Cross Plug dimension	Insulation	L1	L2	D1	Weight per	PU/pcs.	Article no.
sect.	(mm)	colour			100 pcs. ~kg		
0.5 - 1	2.8 x 0.8	red	14.6	5.5		0.09	100 18 0286
	4.8 x 0.8	red	18.5	6.5		0.08	100 18 0288
	6.3 x 0.8	red	22	7.5		0.1	100 18 0290
1.5 - 2.5	4.8 x 0.8	blue	18.5	6.5		0.09	100 18 0291
	6.3 x 0.8	blue	22	7.5		0.1	100 18 0292
4 - 6	6.3 x 0.8	yellow	22	7.5		0.16	100 18 0294

Circular sockets, insulated

Specifications

- Material: CuZn (brass)
- Surface: galvanically tin-coated
- For connections with strain relief and Cu inner sleeve
- Insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily

**IS**

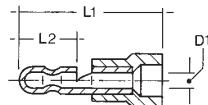
Cross Plug dimension	Insulation	L1	L2	D1	Weight per	PU/pcs.	Article no.
sect.	(mm)	colour			100 pcs. ~kg		
0.5 - 1	4	red	24	13	1.6	0.12	100 18 0310
1.5 - 2.5	5	blue	24	13	2.3	0.15	100 18 0312
4 - 6	5	yellow	24	13	3.6	0.2	100 18 0314



Pin terminals, insulated

Specifications

- Material: CuZn (brass)
- Surface: galvanically tin-coated
- For connections with strain relief and Cu inner sleeve
- Insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily

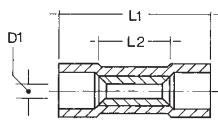
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Cross sect.	Plug dimension (mm²)	Insulation colour	L1	L2	D1	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.5 - 1	4	red	23	13	1.6	0.12	100	18 0300
1.5 - 2.5	5	blue	23	13	2.3	0.15	100	18 0302
4 - 6	5	yellow	25	13	3.6	0.2	100	18 0304

Parallel connectors, insulated

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- For connections with strain relief
- Insulation PVC / PE
- Temperature resistance -40 °C to +70 °C

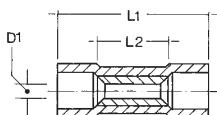
**IS**

Cross sect.	Insulation material	Insulation colour	L1	L2	D1	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.1 - 0.4	PE	yellow	13	5	1	0.06	100	18 0318
0.5 - 1	PVC	red	18	8	1.6	0.07	100	18 0320
1.5 - 2.5	PVC	blue	19	8	2.3	0.09	100	18 0322
4 - 6	PE	yellow	21	9	3.6	0.14	100	18 0324

Butt connectors, insulated

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- For connections with strain relief
- Insulated PA (polyamide, nylon), halogen-free
- Temperature resistance -60 °C to +105 °C
- Easy Entry allows the conductor to be inserted quickly and easily

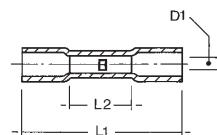
**IS**

Cross sect.	Insulation colour	L1	L2	D1	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.1 - 0.4	yellow	20	11	1	0.04	100	18 0328
0.5 - 1	red	25	15	1.6	0.13	100	18 0330
1.5 - 2.5	blue	25	15	2.3	0.14	100	18 0332
4 - 6	yellow	27	15	3.6	0.24	100	18 0334

Butt connectors with shrink insulation

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- For connections with strain relief
- Polyolefin insulation with inner layer of hot-melt adhesive
- Shrinking temperature: +150 °C
- Temperature resistance -10 °C to +105 °C
- After shrinking the hot-melt adhesive forms a connection that insulates, resists change, relieves strain and is water-tight.



IS

Cross sect.	Insulation colour	L1 (mm ²)	L2	D1	Weight per 100 pcs.	PU/pcs.	Article no.
0.5 - 1	red	37	15	1.6	0.12	100	18 0340
1.5 - 2.5	blue	37	15	2.3	0.15	100	18 0342
4 - 6	yellow	42	15	3.6	0.25	50	18 0346

Sets with insulated terminals

in a premium raaco component box with crimping pliers

Content: PU/pcs. Article no.

- 135 pieces, sorted
- 15 ring cable lugs DIN 46237, 0.5 - 1 mm², M4 18 0024
- 15 ring cable lugs DIN 46237, 1.5 - 2.5 mm², M4 18 0034
- 15 ring cable lugs DIN 46237, 1.5 - 2.5 mm², M5 18 0036
- 15 ring cable lugs DIN 46237, 4 - 6 mm², M5 18 0052
- 15 blade receptacles DIN 46245, 1.5 - 2.5 mm², 6.3 x 0.8 mm 18 0232
- 15 blade receptacles DIN 46245, 4 - 6 mm², 6.3 x 0.8 mm 18 0234
- 15 blade receptacles with branch, 1.5 - 2.5 mm², 6.3 x 0.8 mm 18 0282
- 15 blade terminals, insulated, 1.5 - 2.5 mm², 6.3 x 0.8 mm 18 0292
- 15 butt connectors, insulated, 1.5 - 2.5 mm² 18 0332
- Crimping tool, 0.5 - 6 mm², oval crimp 10 1892

Component box with insulated terminals 1 18 1530

Content: PU/pcs. Article no.

- 500 pieces, sorted
- 50 ring cable lugs DIN 46237, 0.5 - 1 mm², M4 18 0024
- 50 ring cable lugs DIN 46237, 0.5 - 1 mm², M5 18 0026
- 25 ring cable lugs DIN 46237, 1.5 - 2.5 mm², M5 18 0036
- 25 ring cable lugs DIN 46237, 4 - 6 mm², M5 18 0052
- 25 fork-shaped cable lugs DIN 46237, 0.5 - 1 mm², M4 18 0124
- 25 fork-shaped cable lugs DIN 46237, 1.5 - 2.5 mm², M5 18 0146
- 25 pin-type cable lug DIN 46231, 0.5 - 1 mm², 9 mm 18 0222
- 25 pin-type cable lug DIN 46231, 1.5 - 2.5 mm², 10 mm 18 0224
- 25 blade receptacles DIN 46245, 0.5 - 1 mm², 6.3 x 0.8 mm 18 0230
- 25 blade receptacles DIN 46245, 1.5 - 2.5 mm², 6.3 x 0.8 mm 18 0232
- 20 blade receptacles with branch, 0.5 - 1 mm², 6.3 x 0.8 mm 18 0280
- 20 blade receptacles with branch, 1.5 - 2.5 mm², 6.3 x 0.8 mm 18 0282
- 20 blade terminals, insulated, 0.5 - 1 mm², 6.3 x 0.8 mm 18 0290
- 20 blade terminals, insulated, 1.5 - 2.5 mm², 6.3 x 0.8 mm 18 0292
- 10 pin terminals, insulated, 0.5 - 1 mm², 4 mm 18 0300
- 10 pin terminals, insulated, 1.5 - 2.5 mm², 5 mm 18 0302
- 10 circular sockets, 0.5 - 1 mm², 4 mm 18 0310
- 10 circular sockets, 1.5 - 2.5 mm², 5 mm 18 0312
- 25 butt connectors, 0.5 - 1 mm² 18 0330
- 20 butt connectors, 1.5 - 2.5 mm² 18 0332
- 10 butt connectors, 4 - 6 mm² 18 0334
- Crimping tool, 0.5 - 6 mm², oval crimp 10 1892

Component box with insulated cable lugs 1 18 1540

raaco



raaco



cimco®

Cable end Sleeves

Non-insulated cable end sleeves according to DIN 46228, part 1 and special dimensions

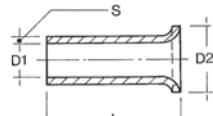
Specifications

• Material: ETP Cu according to DIN EN 13600

• Surface: galvanically tin-coated

Cross sect. (mm ²)	Length (mm)	L	D1	D2	S	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.25	5	5	0.8	1.7	0.15	0.01	1000	18 2040
	7	7	0.8	1.7	0.15	0.01	1000	18 2042
0.34	5	5	0.9	1.8	0.15	0.01	1000	18 2046
	7	7	0.9	1.8	0.15	0.01	1000	18 2048
0.5	6	6	1	2.1	0.15	0.01	1000	18 2050
	8	8	1	2.1	0.15	0.01	1000	18 2051
	10	10	1	2.1	0.15	0.01	1000	18 2049
0.75	6	6	1.2	2.3	0.15	0.01	1000	18 2052
	10	10	1.2	2.3	0.15	0.01	1000	18 2054
	15	15	1.2	2.3	0.15	0.01	1000	18 2055
1	6	6	1.4	2.5	0.15	0.01	1000	18 2056
	8	8	1.4	2.5	0.15	0.01	1000	18 2057
	10	10	1.4	2.5	0.15	0.01	1000	18 2058
	12	12	1.4	2.5	0.15	0.01	1000	18 2059
1.5	7	7	1.7	2.8	0.15	0.01	1000	18 2060
	10	10	1.7	2.8	0.15	0.01	1000	18 2062
	12	12	1.7	2.8	0.15	0.02	1000	18 2064
	15	15	1.7	2.8	0.15	0.02	1000	18 2066
	18	18	1.7	2.8	0.15	0.02	1000	18 2067
2.5	7	7	2.2	3.4	0.15	0.01	1000	18 2070
	10	10	2.2	3.4	0.15	0.01	1000	18 2071
	12	12	2.2	3.4	0.15	0.01	1000	18 2072
	15	15	2.2	3.4	0.15	0.02	1000	18 2074
	20	20	2.2	3.4	0.15	0.02	1000	18 2075
4	9	9	2.8	4	0.2	0.02	1000	18 2078
	12	12	2.8	4	0.2	0.02	1000	18 2080
	15	15	2.8	4	0.2	0.02	250	18 2082
	20	20	2.8	4	0.2	0.03	250	18 2083
6	10	10	3.5	4.7	0.2	0.02	250	18 2085
	12	12	3.5	4.7	0.2	0.03	250	18 2086
	15	15	3.5	4.7	0.2	0.03	100	18 2088
	20	20	3.5	4.7	0.2	0.05	250	18 2089
10	12	12	4.5	5.8	0.2	0.06	100	18 2092
	15	15	4.5	5.8	0.2	0.07	250	18 2094
	18	18	4.5	5.8	0.2	0.08	100	18 2096
	25	25	4.5	5.8	0.2	0.09	250	18 2097
16	12	12	5.8	7.5	0.2	0.05	250	18 2100
	15	15	5.8	7.5	0.2	0.05	250	18 2102
	18	18	5.8	7.5	0.2	0.07	100	18 2104
	25	25	5.8	7.5	0.2	0.09	250	18 2103
	32	32	5.8	7.5	0.2	0.01	250	18 2105
25	12	12	7.3	9.5	0.22	0.06	100	18 2106
	15	15	7.3	9.5	0.22	0.07	100	18 2108
	18	18	7.3	9.5	0.22	0.09	100	18 2110
	25	25	7.3	9.5	0.22	0.12	100	18 2112
	32	32	7.3	9.5	0.22	0.14	100	18 2111
35	15	15	8.3	11	0.22	0.1	100	18 2113
	18	18	8.3	11	0.22	0.11	100	18 2114
	25	25	8.3	11	0.22	0.16	100	18 2115
	32	32	8.3	11	0.22	0.24	100	18 2119
50	18	18	10.3	13	0.3	0.17	100	18 2120
	22	22	10.3	13	0.3	0.2	100	18 2116
	32	32	10.3	13	0.3	0.31	100	18 2121
70	22	22	12.5	15	0.4	0.22	100	18 2123
	26	26	12.5	15	0.4	0.35	100	18 2118
	30	30	12.5	15	0.4	0.4	100	18 2124
	32	32	12.5	15	0.4	0.43	100	18 2125
95	25	25	14.5	17	0.4	0.4	100	18 2127
	30	30	14.5	17	0.4	0.47	25	18 2122
	34	32	14.5	17	0.4	0.48	25	18 2128
120	32	32	16.5	19	0.5	0.75	25	18 2129
	34	34	16.5	19	0.5	0.97	25	18 2126
	40	40	16.5	19	0.5	1.11	25	18 2131
150	32	32	18.5	21	0.5	0.95	25	18 2132
	40	40	18.5	21	0.5	1.3	25	18 2133
185	32	32	20	23.5	0.6	1.26	25	18 2134
	40	40	20	23.5	0.6	1.54	25	18 2135

Silver-plated design upon request.



AE

AE

1 Insulated cable end sleeves, in tapes

2 Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- Polypropylene insulation
- Temperature resistance -35 °C to +105 °C

3 Colour row according to DIN 46228, part 4

Cross sect.	Length (mm)	Insulation colour	PU/pcs.	Article no.
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(mm ²)

0.5	14	white	500	18 4500
0.75	14	grey	500	18 4502
1	14	red	500	18 4504
1.5	14	black	500	18 4506
2.5	14	blue	400	18 4508

4 Colour row 1

Cross sect.	Length (mm)	Insulation colour	PU/pcs.	Article no.
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(mm ²)

0.5	14	white	500	18 4460
0.75	14	blue	500	18 4462
1	14	red	500	18 4464
1.5	14	black	500	18 4466
2.5	14	grey	400	18 4468

5 Colour row 2

Cross sect.	Length (mm)	Insulation colour	PU/pcs.	Article no.
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(mm ²)

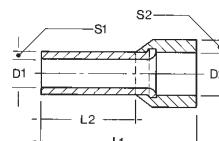
0.5	14	orange	500	18 4480
0.75	14	white	500	18 4482
1	14	yellow	500	18 4484
1.5	14	red	500	18 4486
2.5	14	blue	400	18 4488



15 Insulated cable end sleeves according to DIN 46228, part 4 and special dimensions

16 Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- Polypropylene insulation
- Temperature resistance -35 °C to +105 °C
- For effortless attachment to finely stranded copper conductors, prevents damage and fanning out



SA

AE

Cross sect.	Length w/o insulation (mm ²)	Total length L2	D1	S1	S2	D2	Insulation colour	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.5	6	12	1	0.15	0.25	2.6	white	0.01	100	18 2310
	8	14	1	0.15	0.25	2.6		0.01	100	18 2312
	10	16	1	0.15	0.25	2.6		0.01	100	18 2314
0.75	6	12	1.2	0.15	0.25	2.8	grey	0.01	100	18 2316
	8	14	1.2	0.15	0.25	2.8		0.01	100	18 2318
	10	16	1.2	0.15	0.25	2.8		0.01	100	18 2320
	12	18	1.2	0.15	0.25	2.8		0.01	100	18 2322
1	6	12	1.4	0.15	0.25	3	red	0.01	100	18 2324
	8	14	1.4	0.15	0.25	3		0.01	100	18 2326
	10	16	1.4	0.15	0.25	3		0.01	100	18 2328
	12	18	1.4	0.15	0.25	3		0.01	100	18 2330
1.5	8	14	1.7	0.15	0.25	3.5	black	0.01	100	18 2332
	10	16	1.7	0.15	0.25	3.5		0.01	100	18 2334
	12	18	1.7	0.15	0.25	3.5		0.02	100	18 2335
	18	24	1.7	0.15	0.25	3.5		0.02	100	18 2336

cimco®

Insulated cable end sleeves according to DIN 46228,

part 4 and special dimensions See previous page for description

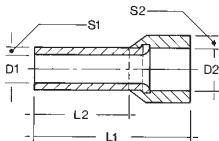
Cross sect. (mm ²)	Length w/o insulation L2	Total length L1	D1	S1	S2	D2	Insulation colour	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
2.5	8	15	2.2	0.15	0.25	4.2	blue	0.02	100	18 2338
	12	18	2.2	0.15	0.25	4.2		0.03	100	18 2340
	18	25	2.2	0.15	0.25	4.2		0.03	100	18 2342
4	10	17	2.8	0.2	0.3	4.8	grey	0.03	100	18 2344
	12	20	2.8	0.2	0.3	4.8		0.03	100	18 2346
	18	26	2.8	0.2	0.3	4.8		0.03	100	18 2348
6	12	20	3.5	0.2	0.3	6.3	yellow	0.06	100	18 2350
	18	26	3.5	0.2	0.3	6.3		0.06	100	18 2352
	10	22	4.5	0.2	0.4	7.6		0.06	100	18 2354
10	18	28	4.5	0.2	0.4	7.6		0.08	100	18 2356
	12	24	5.8	0.2	0.4	8.8		0.08	100	18 2358
	18	28	5.8	0.2	0.4	8.8		0.08	100	18 2360
16	16	30	7.3	0.2	0.4	11.2	yellow	0.13	50	18 2362
	22	36	7.3	0.2	0.4	11.2		0.16	50	18 2364
	35	16	8.3	0.2	0.4	12.7		0.21	50	18 2366
25	25	39	8.3	0.2	0.4	12.7	red	0.22	50	18 2368
	20	36	10.3	0.3	0.5	15		0.3	50	18 2370
	25	40	10.3	0.3	0.5	15		0.35	50	18 2372
50	21	37	13.5	0.4	0.6	16	yellow	0.67	25	18 2374
	25	44	14.7	0.4	0.6	18		0.67	25	18 2376
	120	27	48	0.45	0.7	20		0.93	25	18 2378
150	32	58	19	0.5	1	23	yellow	1.06	25	18 2380

Insulated cable end sleeves, dimensions according to DIN 46228,

part 4, colour row 1

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- Polypropylene insulation
- Temperature resistance -35 °C to +105 °C
- For effortless attachment to finely stranded copper conductors, prevents damage and fanning out



Cross sect. (mm ²)	Length w/o insulation L2	Total length L1	D1	S1	S2	D2	Insulation colour	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.25	6	10	0.8	0.15	0.25	1.8	violet	0.01	100	18 0988
	8	12	0.8	0.15	0.25	1.8		0.01	100	18 0990
0.34	6	10	0.9	0.15	0.25	2	pink	0.01	100	18 0992
	8	12	0.9	0.15	0.25	2		0.01	100	18 0994
0.5	6	12	1	0.15	0.25	2.6	white	0.01	100	18 0996
	8	14	1	0.15	0.25	2.6		0.01	100	18 0998
	8	14	1	0.15	0.25	2.6		0.01	500	18 4998
0.75	10	16	1	0.15	0.25	2.6		0.01	100	18 0999
	6	12	1.2	0.15	0.25	2.8		0.01	100	18 0940
	8	14	1.2	0.15	0.25	2.8		0.01	100	18 1000
1	8	14	1.2	0.15	0.25	2.8		0.01	500	18 5000
	8	14	1.2	0.15	0.25	2.8		0.01	100	18 1001
	10	16	1.2	0.15	0.25	2.8		0.01	100	18 1001
1.2	12	18	1.2	0.15	0.25	2.8		0.01	100	18 0942
	6	12	1.4	0.15	0.25	3		0.01	100	18 0944
	8	14	1.4	0.15	0.25	3		0.01	100	18 1002
1.5	8	14	1.4	0.15	0.25	3	red	0.01	500	18 5002
	8	14	1.7	0.15	0.25	3.5		0.01	100	18 1003
	10	16	1.7	0.15	0.25	3.5		0.02	100	18 0946
1.5	12	18	1.7	0.15	0.25	3.5	black	0.01	100	18 1004
	8	14	1.7	0.15	0.25	3.5		0.01	500	18 5004
	10	16	1.7	0.15	0.25	3.5		0.01	100	18 0948
1.5	12	18	1.7	0.15	0.25	3.5		0.02	100	18 0949

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Insulated cable end sleeves, dimensions according to DIN 46228, part 4, colour row 1

See previous page for description

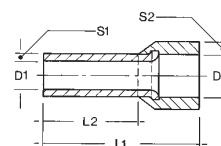
							PU/pcs.	Article no.
18	24	1.7	0.15	0.25	3.5	0.02	100	18 1005
18	24	1.7	0.15	0.25	3.5	0.02	500	18 5005
2.5	8	15	2.2	0.15	0.25	4.2	grey	0.02
	8	15	2.2	0.15	0.25	4.2		100
	12	18	2.2	0.15	0.25	4.2		18 1006
	18	25	2.2	0.15	0.25	4.2		500
	18	25	2.2	0.15	0.25	4.2		18 5006
4	10	17	2.8	0.2	0.3	4.8	orange	0.03
	10	17	2.8	0.2	0.3	4.8		100
	12	20	2.8	0.2	0.3	4.8		18 5008
	18	26	2.8	0.2	0.3	4.8		100
	18	26	2.8	0.2	0.3	4.8		18 0952
6	12	20	3.5	0.2	0.3	6.3	green	0.06
	12	20	3.5	0.2	0.3	6.3		100
	18	26	3.5	0.2	0.3	6.3		18 5010
	18	26	3.5	0.2	0.3	6.3		100
10	12	22	4.5	0.2	0.3	7.6	brown	0.06
	12	22	4.5	0.2	0.3	7.6		100
	18	28	4.5	0.2	0.3	7.6		18 1012
	18	28	4.5	0.2	0.3	7.6		500
16	12	24	5.8	0.2	0.4	8.8	ivory	0.08
	12	24	5.8	0.2	0.4	8.8		100
	18	28	5.8	0.2	0.4	8.8		18 5018
	18	28	5.8	0.2	0.4	8.8		100
25	16	30	7.3	0.2	0.4	11.2	black	0.13
	22	36	7.3	0.2	0.4	11.2		50
								18 1022
								18 1023

Insulated cable end sleeves, dimensions according to DIN 46228,

part 4, colour row 2

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- Polypropylene insulation
- Temperature resistance -35 °C to +105 °C
- For effortless attachment to finely stranded copper conductors, prevents damage and fanning out



Cross sect. (mm²)	Length w/o insulation L2	Total length L1	D1	S1	S2	D2	Insulation colour	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
0.25	6	10	0.8	0.15	0.25	1.8	light blue	0.01	100	18 2188
	8	12	0.8	0.15	0.25	1.8		0.01	100	18 2190
0.34	6	10	0.9	0.15	0.25	2	turquoise	0.01	100	18 2192
	8	12	0.9	0.15	0.25	2		0.01	100	18 2194
0.5	6	12	1	0.15	0.25	2.6	orange	0.01	100	18 2196
	8	14	1	0.15	0.25	2.6		0.01	100	18 2198
	10	16	1	0.15	0.25	2.6		0.01	100	18 2199
0.75	6	12	1.2	0.15	0.25	2.8	white	0.01	100	18 2140
	8	14	1.2	0.15	0.25	2.8		0.01	100	18 2200
	10	16	1.2	0.15	0.25	2.8		0.01	100	18 2201
	12	18	1.2	0.15	0.25	2.8		0.01	100	18 2242
1	6	12	1.4	0.15	0.25	3	yellow	0.01	100	18 2244
	8	14	1.4	0.15	0.25	3		0.01	100	18 2202
	10	16	1.4	0.15	0.25	3		0.01	100	18 2203
	12	18	1.4	0.15	0.25	3		0.02	100	18 2246
1.5	8	14	1.7	0.15	0.25	3.5	red	0.01	100	18 2204
	10	16	1.7	0.15	0.25	3.5		0.01	100	18 2248
	12	18	1.7	0.15	0.25	3.5		0.02	100	18 2249
	18	24	1.7	0.15	0.25	3.5		0.02	100	18 2205
2.5	8	14	2.2	0.15	0.25	4.2	blue	0.02	100	18 2206
	12	18	2.2	0.15	0.25	4.2		0.03	100	18 2250
	18	25	2.2	0.15	0.25	4.2		0.03	100	18 2207

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Insulated cable end sleeves, dimensions according to DIN 46228, part 4, colour row 2

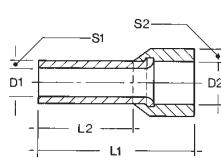
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								PU/pcs.	Article no.
4	10	17	2.8	0.2	0.3	4.8	grey	0.03	100 18 2208
	12	20	2.8	0.2	0.3	4.8		0.03	100 18 2252
	18	26	2.8	0.2	0.3	4.8		0.04	100 18 2209
6	12	20	3.5	0.2	0.3	6.3	black	0.06	100 18 2210
	18	26	3.5	0.2	0.3	6.3		0.06	100 18 2212
10	12	22	4.5	0.2	0.4	7.6	ivory	0.06	100 18 2214
	18	28	4.5	0.2	0.4	7.6		0.08	100 18 2216
16	12	24	5.8	0.2	0.4	8.8	green	0.08	100 18 2218
	18	28	5.8	0.2	0.4	8.8		0.08	100 18 2220
25	16	30	7.3	0.2	0.4	11.2	brown	0.13	50 18 2222
	22	36	7.3	0.2	0.4	11.2		0.16	50 18 2223
35	16	30	8.3	0.2	0.4	12.7	beige	0.21	50 18 2224
	25	39	8.3	0.2	0.4	12.7		0.22	50 18 2225
50	20	36	10.3	0.3	0.5	15	olive	0.35	50 18 2226
	25	40	10.3	0.3	0.5	15		0.35	50 18 2227

Insulated twin cable end sleeves

Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- Polypropylene insulation
- Temperature resistance -35 °C to +105 °C
- For effortless work with 2 finely stranded copper conductors, prevents damage and fanning out, colour row according to DIN 46228, part 4



AE

Cross Length Total D1 S1 S2 D2 Insulation Weight per PU/pcs. Article no.

sect. w/o insu- length colour 100 pcs. ~kg

(mm²)	L1	D1	S1	S2	D2	white	0.03	100	18 2460
2 x 0.5	8	15	1.5	0.15	0.25	2.5	grey	0.03	100 18 2462
2 x 0.75	8	15	1.8	0.15	0.25	2.8		0.03	100 18 2464
	10	17	1.8	0.15	0.25	2.8		0.03	100 18 2466
2 x 1	8	15	2	0.15	0.25	3.4	red	0.04	100 18 2468
	10	17	2	0.15	0.25	3.4		0.04	100 18 2470
2 x 1.5	8	16	2.3	0.15	0.25	3.6	black	0.02	100 18 2472
	12	20	2.3	0.15	0.25	3.6		0.03	100 18 2474
2 x 2.5	10	18.5	2.9	0.2	0.25	4.2	blue	0.07	100 18 2476
	13	21.5	2.9	0.2	0.25	4.2		0.08	100 18 2478
2 x 4	12	23	3.8	0.2	0.3	4.9	grey	0.11	100 18 2480
2 x 6	14	26	4.9	0.2	0.3	5.9	yellow	0.09	100 18 2482
2 x 10	14	26	6.5	0.2	0.4	7.2	red	0.13	100 18 2484
2 x 16	14	30	8.3	0.2	0.4	9.6	blue	0.13	100 18 2486

Colour row 1

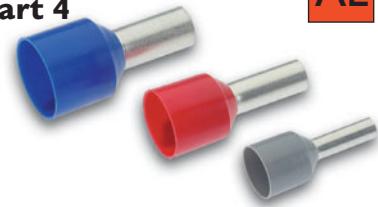
2 x 0.5	8	15	1.5	0.15	0.25	2.5	white	0.03	100 18 2400
2 x 0.75	8	15	1.8	0.15	0.25	2.8	blue	0.03	100 18 2402
	10	17	1.8	0.15	0.25	2.8		0.03	100 18 2404
2 x 1	8	15	2	0.15	0.25	3.4	red	0.04	100 18 2406
	10	17	2	0.15	0.25	3.4		0.04	100 18 2408
2 x 1.5	8	16	2.3	0.15	0.25	3.6	black	0.02	100 18 2410
	12	20	2.3	0.15	0.25	3.6		0.03	100 18 2412
2 x 2.5	10	18.5	2.9	0.2	0.25	4.2	grey	0.07	100 18 2414
	13	21.5	2.9	0.2	0.25	4.2		0.08	100 18 2416
2 x 4	12	23	3.8	0.2	0.3	4.9	orange	0.11	100 18 2418
2 x 6	14	26	4.9	0.2	0.3	5.9	green	0.09	100 18 2420
2 x 10	14	26	6.5	0.2	0.4	7.2	brown	0.13	50 18 2422
2 x 16	14	30	8.3	0.2	0.4	9.6	ivory	0.13	100 18 2424

Colour row 2

2 x 0.5	8	15	1.5	0.15	0.25	2.5	orange	0.03	100 18 2430
2 x 0.75	8	15	1.8	0.15	0.25	2.8	white	0.03	100 18 2432
	10	17	1.8	0.15	0.25	2.8		0.03	100 18 2434
2 x 1	8	15	2	0.15	0.25	3.4	yellow	0.04	100 18 2436
	10	17	2	0.15	0.25	3.4		0.04	100 18 2438
2 x 1.5	8	16	2.3	0.15	0.25	3.6	red	0.02	100 18 2440
	12	20	2.3	0.15	0.25	3.6		0.03	100 18 2442
2 x 2.5	10	18.5	2.9	0.2	0.25	4.2	blue	0.07	100 18 2444
	13	21.5	2.9	0.2	0.25	4.2		0.08	100 18 2446
2 x 4	12	23	3.8	0.2	0.3	4.9	grey	0.11	100 18 2448
2 x 6	14	26	4.9	0.2	0.3	5.9	black	0.09	100 18 2450
2 x 10	14	26	6.5	0.2	0.4	7.2	ivory	0.13	100 18 2452
2 x 16	14	30	8.3	0.2	0.4	9.6	green	0.13	100 18 2454

AE

1 Insulated cable end sleeves for short-circuit-proof and short-to-ground-proof conductors (NSGAFÖU), colour row according to DIN 46228, part 4



2 Specifications

- Material: ETP Cu according to DIN EN 13600
- Surface: galvanically tin-coated
- Polypropylene insulation
- Temperature resistance -35 °C to +110 °C
- With large plastic collar for accepting conductors with thick insulation

Cross sect. (mm ²)	Length w/o insulation L2	Total length L1	D1	S1	S2	D2	Insulation colour	Weight per 100 pcs. ~kg	PU/pcs.	Article no.
1.5	8	17.5	1.8	0.15	0.25	7	black	0.02	100	18 2500
	10	19.5	1.8	0.15	0.25	7		0.03	100	18 2502
2.5	8	17.5	2.3	0.15	0.25	7.9	blue	0.03	100	18 2504
	12	21.5	2.3	0.15	0.25	7.9		0.04	100	18 2506
4	10	19.5	2.9	0.2	0.3	7.9	grey	0.04	100	18 2508
6	12	23	3.6	0.2	0.3	8.7	yellow	0.07	100	18 2510
10	12	24	4.6	0.2	0.3	10.2	red	0.08	100	18 2512
16	12	25.5	6	0.2	0.3	12.5	blue	0.11	100	18 2514

9 Non-insulated cable end sleeves sets

in a practical dispenser, 3000 pieces, sorted

10 Content:

- 1000 pcs. 0.50 mm² 6 mm in length
- 500 pcs. 0.75 mm² 6 mm in length
- 500 pcs. 1 mm² 6 mm in length
- 500 pcs. 1.50 mm² 7 mm in length
- 500 pcs. 2.50 mm² 7 mm in length

11 Dispenser with non-insulated cable end sleeves

1 18 1520

in raaco PSC Vario 240 component box, with crimping pliers no. 10 1906, 3500 pieces, sorted

12 Content:

- 1000 pcs. 0.75 mm² 6 mm in length
- 1000 pcs. 1 mm² 6 mm in length
- 750 pcs. 1.50 mm² 7 mm in length
- 750 pcs. 2.50 mm² 7 mm in length

13 Component box with non-insulated cable end sleeves

1 18 1510

in raaco PSC Vario 340 component box, with universal crimping tool no. 10 1904, 4350 pieces, sorted

14 Content:

- 1000 pcs. 1 mm² 6 mm in length
- 1000 pcs. 1.50 mm² 7 mm in length
- 1000 pcs. 2.50 mm² 7 mm in length
- 500 pcs. 4 mm² 9 mm in length
- 500 pcs. 6 mm² 12 mm in length
- 250 pcs. 10 mm² 18 mm in length
- 100 pcs. 16 mm² 18 mm in length

15 Component box with non-insulated cable end sleeves

1 18 1512



20 Insulated cable end sleeves sets

400 pieces, sorted, in a practical dispenser, stackable

21 Content:

- 50 pcs. 0.5 mm² 8 mm in length
- 100 pcs. 0.75 mm² 8 mm in length
- 100 pcs. 1 mm² 8 mm in length
- 100 pcs. 1.5 mm² 8 mm in length
- 50 pcs. 2.5 mm² 8 mm in length

22 Colour row 1

1 18 1502

23 Colour row 2

1 18 1503

24 Colour row DIN

1 18 1504

100 pieces, sorted, in a practical dispenser, stackable

25 Content:

- 50 pcs. 4 mm² 10 mm in length
- 20 pcs. 6 mm² 12 mm in length
- 20 pcs. 10 mm² 12 mm in length
- 10 pcs. 16 mm² 12 mm in length

26 Colour row 1

1 18 1505

Colour row 2

1 18 1506

Colour row DIN

1 18 1507



cimco®



Photovoltaic connector system

using this new photovoltaic connector saves time and effort at the construction site.

The CIMCO connector system is compatible with the MC4 market standard and fits all common solar cables from 2.5 mm² to 6 mm².

Consisting of a plug and socket connection system, including plastic housing; package contains 100 plugs – crimp contacts and plastic housing in a plastic bag and 100 sockets – crimp contacts and plastic housing in a plastic bag. Specifications:

2.5 to 6 mm², voltage range: 1000 V, current capacity: 30 A (4 mm², 6 mm²), contact resistance of the connector system: 5 mΩ, diameter of the plug contact: 4 mm, protection class: IP 67, temperature range: -40 C / +85 C°, insulation material: PC/PA, contact material: copper, silver-plated,

Safety class: II, certification: TÜV, crimping range: 2.5 - 6 mm²

100 18 0000



Photovoltaic MC3 adapter system

adapter set for attaching to MC3 contacts, for crimping with MC4 compatible tools 1.5 to 4 mm²

Consisting of an MC3 plug and socket adapter system, including plastic housing; package contains 1 plug – crimp contacts and plastic housing and 1 socket – crimp contacts and plastic housing.

Specifications:

Pin dimensions: ø 3.0 mm, cable diameter: 5.0 to 8.0 mm, cable cross section: 1.5 – 4.0 mm², AWG 16/14/12, contact type: stamp roll contact, nominal voltage: 1000 V DC, nominal current: 25 A at 70 °C / 20 A at 85 °C, contact resistance: < 5 m ohm, protection class: IP 67, temperature range: -40 °C / + 90 °C, certification: TÜV

1 18 0003



Photovoltaic MC4 unlocking tool

unlocking tool for releasing the plug connection of photovoltaic connectors.

1 18 0004

Photovoltaic MC4 Y-distributor

Y-distributor on an MC4 basis.

Specifications:

Pin dimensions: ø 4.0 mm, contact type: stamp roll contact, nominal voltage: 1000 V DC, nominal current: 30 A at 70 °C / 25 A at 85 °C, contact resistance: < 5 m ohm, protection class: IP 67, temperature range: -40 °C / + 90 °C, certification: TÜV

MMF = 1 x female input and 2 x male outputs

1 18 0005

FFM = 1 x male input and 2 x female outputs

1 18 0006



Earthing terminal SOLFIL

CIMCO's secure and permanent solution for earthing PV panels. The choice for simple and permanent protection. It is necessary to protect photovoltaic panels by earthing. It should be permanent and guarantee protection against the effects of lightning strikes and electromagnetic interferences over the entire service life. The connection series offers you solutions that suit the various types of photovoltaic panels. A secure earthing connection is provided by the establishment of an optimal electrical contact between the panel housing and the earthing conductor. The module frames are made of aluminium that is anodised or whose surface is otherwise treated. These surface treatments protect against rust but are not conductive. Thanks to the series, electrical contact with the aluminium of the panel becomes possible either by means of a cutting thread with the screwed models, or by means of a bolt connection with the help of serrated washers that scrape off the anodising when tightened. The connection is secured by tightening the earthing conductor with a maximum cross section of 10 mm². With an insulated conductor you have to remove the insulation on 30 mm. The models are made of stainless steel which guarantees rust protection and galvanic compatibility with the aluminium.

Attachment to an existing bore

with bolt for bore ø 6 mm (0.26"). The serrated washer ensures the electrical contact.

Cross section range of the earthing conductor in mm² [multi-stranded or solid]: 4, 6, 10, 4+4, 6+6

1 18 8012



Attachment to an existing bore

with self-tapping screw for bore ø 4 mm (0.16").

Cross section range of the earthing conductor in mm² [multi-stranded or solid]: 4, 6, 10, 4+4, 6+6

1 18 8014



Attachment outside the bore

with self-drilling screw.

Cross section range of the earthing conductor in mm² [multi-stranded or solid]: 4, 6, 10, 4+4, 6+6

1 18 8016



Attachment outside the bore

with self-drilling screw.

Cross section range of the earthing conductor in mm² [multi-stranded or solid]: 16, 16+4, 16+6, 25

1 18 8018



Stainless steel (VA) tubular cable lugs

- Material: V2A
- Temperature-resistant to 400 °C
- Resistant to acid and rust
- Ring shaped
- Especially suitable for earthing and lightning protection of aluminium support and frame elements in the photovoltaic field.
- The stainless steel cable lug can be used to connect copper conductors to aluminium elements, since VA steel does not react corrosively or electrochemically with either of these materials.

When commercially available tubular copper cable lugs are used, the less precious metal (in this case Al) can be successively stripped away under the influence of moisture and voltage and thus destroy the frame profiles!

Nominal cross sect.	Conn.- bolt	Weight per 100 pcs. ~kg	PU/pcs.	
mm	ø			
4 - 6	M 8	0.28	100	18 8686
10	M 8	0.78	100	18 8704
10	M 10	0.77	100	18 8705
16	M 8	0.6	50	18 8712
16	M 10	0.6	50	18 8714



Modular plugs

for telecommunication and data networks, quality plugs for at least 500 plug cycles, contacts with 50 µ inches (1.27 micrometres) gold-plated, housing made of flame-resistant polycarbonate, tensile-loaded capacity of cable to plug at least 89 N.

Unshielded modular plugs (min. cat. 3)

suitable for flat and round cables

for flexible conductors

Designation	Number of positions	Number of contacts	PU/pcs.	
RJ 10	4	4	100	18 3000
RJ 11	6	4	100	18 3002
RJ 12	6	6	100	18 3004
RJ 45	8	8	50	18 3008



For solid conductors

Designation	Number of positions	Number of contacts	PU/pcs.	
RJ 45	8	8	50	18 3010



Shielded modular plugs (min cat. 5e)

suitable for round cable, includes a threading ridge for each plug for easily placing the conductor in the correct crimping position, for crimping with CIMCO crimping pliers no. 10 6201.

for flexible and solid conductors

Designation	Number of positions	Number of contacts	PU/pcs.	
RJ 458	8	8	50	18 3012

Kink protection sleeves for modular plugs

can be opened and closed again at any time, can be subsequently added to and removed from plug, for shielded and unshielded modular plugs RJ 45, for round cables up to 6 mm Ø

black	25	18 3020
red	25	18 3022
white	25	18 3024
blue	25	18 3026
yellow	25	18 3028



Service case NETZWERKTECHNIK I (DATA-NETWORK)

raaco CARRY-LITE 55 service case containing:

Wire stripper DATA STRIP	1	12 0092
Insertion tool ECONOMY	1	11 8017
Crimping pliers 4-, 6-, 8-pole, unshielded	1	10 6200
Crimping pliers 8-pole, shielded	1	10 6201
Modular plugs 4-pole RJ 10, unshielded	100	18 3000
Modular plugs 6-pole RJ 12, unshielded	100	18 3004
Modular plugs 8-pole RJ 45, unshielded for flexible conductors	50	18 3008
Modular plugs 8-pole RJ 45, shielded	50	18 3012
Kink protection sleeves for modular plugs black	25	18 3020
Kink protection sleeves for modular plugs red	25	18 3022
	413 x 330 x 55	1 18 1300



Service case NETZWERKTECHNIK II (DATA-NETWORK)

raacoCARRY-LITE 55 service case containing:

Modular plugs 4-pole RJ 10, unshielded	100	18 3000
Modular plugs 6-pole RJ 12, unshielded	100	18 3004
Modular plugs 8-pole RJ 45, unshielded for flexible conductors	50	18 3008
Modular plugs 8-pole RJ 45, shielded	50	18 3012
Kink protection sleeves for modular plugs black	25	18 3020
Kink protection sleeves for modular plugs red	25	18 3022
Roll of Velcro tape, 16 mm wide x 25 mm long black	1	18 1922
	413 x 330 x 55	1 18 1302



CABLE TIES

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Re-openable

For multiple use.



Standard

The standard solution for the tradesman, tested quality at good prices. Available in different colours.

Steel tongue

Hard-wearing, with tongue in stainless steel.

Steel cable ties

The anti-magnetic stainless steel ties coated and uncoated for demanding applications, conditions and environment.

TEFZEL cable ties

Resistant to exposure to chemicals, radioactivity and environmental factors.

cimco®

Cable ties

Raw material:

Pure polyamide 6.6 (PA 6.6, nylon) with no recycling material content, raw materials procured solely from leading quality manufacturers, colours: natural or black (RAL 9011) by enrichment with carbon (carbon black).

Material properties:

Self-extinguishing according to UL 94-V2, melting point +260 °C, halogen-free, silicon-free, non-toxic, food-safe according to recommendation "X" (10) BGA (German Health Authority), non-conductive, high abrasion resistance, low frictional resistance, impact-resistant, recyclable. Black cable ties retain the moisture in the plastic, thus preventing embrittlement, hardening and fragility. Black cable ties are thus suitable for outdoor application and weatherproof for at least two years.

Chemical resistance:

Resistant to (among others) oils, petroleum products (e.g. petrol, kerosine, fats and lubricants), hydrocarbons (e.g. lower alcohols, acetone), cleaning agents and solvents, alkalis, mould, salt water. Conditionally resistant among others, to strongly diluted acids. Non-resistant to, among others, phenols, oxidising chemicals, formic acid, phosphoric acid, chlorine, chloric acid (e.g. hydrochloric acid, butanoic acid), benzoic acid, mineral acids.

Processing conditions and conditions of use:

Installation temperature (during installation) -10 °C to +80 °C, continuous service temperature (following installation) -40 °C to +105 °C, possible changes in length depending on temperature (between -20 °C and +100 °C) maximum +/- 1.5 %, depending on relative air humidity (between 25 % and 100 %) maximum +/- 3 %, no changes in length due to ageing if cable ties are not under load.

Important when storing cable ties:

Before use, store cable ties in the sealed packaging, to prevent drying out in a cool, not exceedingly dry place, away from sources of heat. Naturally coloured cable ties can turn yellow after an extended period of time due to temperature-dependent oxidation.

This will not affect performance properties.

Packaging:

Packaged in synthetic transparent foil, 100 % recyclable, vacuum sealed.

Authorisations and certifications of quality:

Products comply with ISO EN 50146, the IEC Standard IEC 92-101, flame retardant according to UL 94-V2, "Yellow Card" certification from Underwriters Laboratories Inc., self-extinguishing in accordance with UL 94, flame class 94V-2, self-extinguishing in accordance with ISO 1210, flame class FV-2, minimum retention strength in accordance with MIL-S-23190 E standard.



UNDERWRITERS
LABORATORIES INC.



GERMANISCHER
LLOYD



ISO EN 50146

natural colour

Width mm	Length mm	Cable harness Ø mm	Minimal tensile strength		
			kp	N	.
2.5	75	2 - 16	9	88	100
	100	2 - 24			100
	135	2 - 35			100
	160	2 - 42			100
	200	2 - 55			100
3,5	140	2,5 - 36	18	176	100
	200	2,5 - 55			100
	280	2,5 - 80			100
4,5	160	2,5 - 40	22	216	100
	180	3 - 45			100
	200	3 - 51			100
	250	5 - 70			100
	280	5 - 76			100
	360	5 - 101			100
	380	5 - 110			100
7,5	180	5 - 46	60	588	100
	240	5 - 64			100
	280	5 - 76			100
	360	5 - 101			100
	450	18 - 132			100
	540	20 - 160			100
	750	32 - 222			100
9,0	780	20 - 235	80	784	100
	920	40 - 280			50
	1220	50 - 375			50
12,5	500	10 - 140	110	1080	50
	750	40 - 225			50
	1000	40 - 300			50



Design		Size mm	PU	Article no.
Cable ties				
black (RAL 9011) = weather-proof design, conditionally UV resistant.				
Width	Length	Cable harness	Min. tensile strength	
mm	mm	Ø mm	kp	N
2.5	75	2 - 16	9	88
	100	2 - 24		100
	135	2 - 35		100
	160	2 - 42		100
	200	2 - 55		100
3.5	140	2.5 - 36	18	176
	200	2.5 - 55		100
	280	2.5 - 80		100
4.5	160	2.5 - 40	22	216
	180	3 - 45		100
	200	3 - 51		100
	250	5 - 70		100
	280	5 - 76		100
	360	5 - 101		100
7.5	180	5 - 46	60	588
	240	5 - 64		100
	280	5 - 76		100
	360	5 - 101		100
	450	18 - 132		100
	540	20 - 160		100
	750	32 - 222		100
9.0	780	20 - 235	80	784
	920	40 - 280		100
	1220	50 - 375		50
12.5	500	10 - 140	110	1080
	750	40 - 225		50
	1000	40 - 300		50
				18 1895



Re-openable cable ties

made from polyamide 6.6, after opening re-usable as often as required, simple release by pressing a finger on the tab.

Width	Length	Bundle-	Minimum tensile strength	
mm	mm	Ø mm	kp	
natural colour				
7.5	200	up to 50	36	100
	280	up to 76	36	100
	360	up to 100	36	100
black (RAL 9011) = weather-proof design, UV resistance				
7.5	200	up to 50	36	100
	280	up to 76	36	100
	360	up to 100	36	100
				18 1497



Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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Coloured cable ties

for labelling and marking

Width mm	Length mm	Cable harness Ø mm	Min. tensile strength kp	N	
red (RAL 3000)					
2.5	100	2 - 24	9	88	100 18 1450
3.5	140	2.5 - 36	18	176	100 18 1452
4.5	200	3 - 51	22	216	100 18 1454
	280	5 - 76			100 18 1456
blue (RAL 5002)					
2.5	100	2 - 24	9	88	100 18 1460
3.5	140	2.5 - 36	18	176	100 18 1462
4.5	200	3 - 51	22	216	100 18 1464
	280	5 - 76			100 18 1466
green (RAL 6024)					
2.5	100	2 - 24	9	88	100 18 1470
3.5	140	2.5 - 36	18	176	100 18 1472
4.5	200	3 - 51	22	216	100 18 1474
	280	5 - 76			100 18 1476
yellow (RAL 1021)					
2.5	100	2 - 24	9	88	100 18 1480
3.5	140	2.5 - 36	18	176	100 18 1482
4.5	200	3 - 51	22	216	100 18 1484
	280	5 - 76			100 18 1486



Other colours available upon request. Please inquire for minimum order quantity, price and delivery times.

Cable ties with labelling surface

in polyamide 6.6, natural colour

Harness Ø mm	Size labelling surface mm x mm			
4.0 - 18	8 x 25	100 x 2.5	100	18 1420
4.0 - 50	8 x 25	200 x 2.5	100	18 1422
15 - 50	10 x 28	190 x 4.8	100	18 1424
15 - 75	10 x 28	270 x 4.8	100	18 1426



Printed cable ties

cable ties can be custom printed, also with logo, serial numbers and variable printing ink colour.

For special labelling, registration and marking of cables, equipment and other components, even for closure and tamper-proof sealing of packages, mailing bags, sacks, etc.. For use in electronic applications, machine and vehicle construction, logistics, food and pharmaceutical industries, public authorities, etc. For cable ties any length with min. 1 mm thickness, min. order quantity per printing order 30,000 cable ties.

We will be glad to help you with inquiries regarding technical details, as well as procedures, delivery times, price lists, etc.



Plug-in cable ties

cable ties made from polyamide 6.6, black, self-extinguishing according to UL 94 V-2, with expansion anchor head for fast and safe installation in drill holes (approx. 5 mm Ø) by means of force fitting, affixing and bundling of cables in one working step, especially suited for use in vehicle and engine construction, as well as the aerospace industry.

Width mm	Length mm	Cable harness Ø mm	Minimal tensile strength kp	N	
3,5	140	max. 32	18	176	100 18 1850



Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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Cable tie with steel tongue

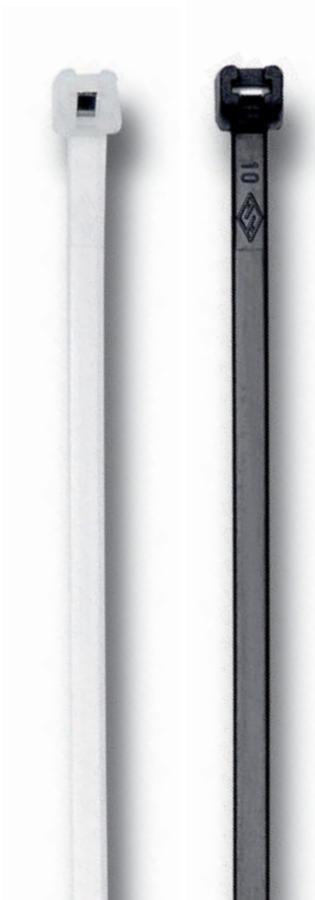
made from polyamide 6.6, with rust-proof, anti-magnetic, stainless steel tongue
natural colour

Width mm	Length mm	Cable harness ø mm	Min. tensile strength kp	N	100	Article no.
2.4	92	2 - 16	8	80	100	18 1338
	200	2 - 50			100	18 1336
	356	2 - 102			100	18 1337
3.6	140	2 - 29	18	180	100	18 1339
	208	2 - 50			100	18 1340
	281	2 - 76			100	18 1341
	368	2 - 103			100	18 1342
4.8	186	3.5 - 54	22	220	100	18 1343
	293	3.5 - 78			100	18 1344
	360	3.5 - 102			100	18 1345
7.6	338	6 - 90	55	540	50	18 1347
	762	6 - 229			50	18 1348

black

2.4	92	2 - 16	8	80	100	18 1738
	200	2 - 50			100	18 1736
	356	2 - 102			100	18 1737
3.6	140	2 - 29	18	180	100	18 1739
	208	2 - 50			100	18 1740
	281	2 - 76			100	18 1741
	368	2 - 103			100	18 1742
4.8	186	3.5 - 54	22	220	100	18 1743
	293	3.5 - 78			100	18 1744
	360	3.5 - 102			100	18 1745
7.6	338	6 - 90	55	540	50	18 1747
	762	6 - 229			50	18 1748

Packaging unit 1000 pieces upon request.



Design	Size mm	PU	Article no.
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Heat-resistant cable ties

special additives to the raw material create permanently temperature-resistant cable ties up to +130 °C, Properties otherwise the same as standard cable ties, basic material pure polyamide 6.6 without recycling content, colour pale green.

Width mm	Length mm	Cable harness Ø mm	Min. tensile strength kp	N		
3.5	140	2.5 - 36	18	176	100	18 1710
4.5	200	3 - 51	22	216	100	18 1712
	280	5 - 76		100	18 1713	
	360	5 - 101		100	18 1714	
7.5	360	5 - 101	60	588	100	18 1716



UV and cold-resistant cable ties

continual exposure to UV radiation and cold causes standard cable ties to become embrittled. These crack in time following continuous exposure. The addition of special carbons increases the service life of UV-resistant cable ties by approx. a factor of ten, for up to 10 years when used correctly. They are also resistant to cold up to --40 °C. These cable ties are thus ideal for outdoor use and at continuously low temperatures.

Flammability rating according to UL 94 HB, colour black (RAL 9011).

Width mm	Length mm	Cable harness Ø mm	Min. tensile strength kp	N		
3.5	140	2.5 - 36	16	158	100	18 1720
4.5	200	3 - 51	20	194	100	18 1722
	280	5 - 76		100	18 1723	
	360	5 - 101		100	18 1724	
7.5	360	5 - 101	54	529	100	18 1726



Flame-retardant, self-extinguishing cable ties

for use in areas requiring especially high flame retardance. Flame retardance according to UL 94 V-0:

The flame-retardant material must not burn longer than 10 seconds nor ignite flammable materials underneath it. Halogen-free, usable at temperatures from -20 °C to +80 °C. Colour milk white.

Width mm	Length mm	Cable harness Ø mm	Min. tensile strength kp	N		
3.5	140	2.5 - 36	14	140	100	18 1728
4.5	200	3 - 51	17	173	100	18 1730
	280	5 - 76		100	18 1731	
	360	5 - 101		100	18 1732	
7.5	360	5 - 101	48	470	100	18 1734



TEFZEL® cable ties

cable ties made from ethylene tetrafluoroethylene copolymer. Very high resistance to UV radiation, many aggressive chemicals (incl. acids, alkalis, oxidising agents, metal salt solutions, oils, fats), windproof and weatherproof, does not absorb water, heat-stable and flame-retardant (UL 94 V 0), service temperature -50 °C to +150 °C, the ideal tie for use in nuclear power plants, the chemical industry, refineries, etc.

Width mm	Length mm	Cable harness Ø mm	Min. tensile strength N			
4.8	186	46	100	100	18 1487	
	360	104	100	100	18 1488	
7.0	338	85	320	50	18 1489	



Design	Size mm	PU	Article no.
Fastening elements for cable ties			
natural colour			
Fastening	Dimensions	For cable ties	For screw
mm	up to max. width	mm	up to Ø mm
screw			
20 x 10	4.8	4	100
19 x 19	3.6	4	100
27 x 27	4.8	4	100
adhesive (self-adhesive) + screw			
23 x 15	9.0	4	100
adhesive (self-adhesive) + screw			
18 1380			
18 1382			
18 1384			
18 1389			



Cable clips

suitable for fastening and release at any time of one or several hoses, round cables and lines of different diameters.

Especially suitable when laying cables on very smooth, hard surfaces and in places difficult to access, where the use of normal fastening elements / cable ties is not possible.

Made from polyamide 6.6, natural colour, self-extinguishing according to UL 94 V-2, self-adhesive.

Black available on request.

Length mm	Width mm	Height mm	max. cable Ø m	100	18 1381
19	19	10	5	100	18 1381
26	26	13	10	100	18 1383
26	26	18	15	100	18 1385



Wall dowel cable tie holder

to affix cables, cable bundles, pipes etc. to walls, for drill holes 7 to 8 mm diameter, head with thread for simple adjustment of height and position of the holding block, distance of cable - wall approx. 12 mm



for cable ties up to 9 mm in width

10 x 13 100 18 1386

Spiral bands

to bundle and protect cables in cable manufacturing, in the electronics industry, as well as in switch cabinet engineering, control and plant engineering. For efficient and clean bundling and laying of cables, wiring, cable harness and wire bundles. Also for the protection of cables from abrasion or other damage, as well as for stiffening of cable harnesses. Customised lengths possible, thus no material wastage. Easily adaptable to different bundle diameters, re-openable and reusable. In the case of spiral bands wound at a distance, the material usage is lower, the cable bundles are more flexible and branches consisting of one or more cables are possible at any point without problem. Ideal for subsequent winding of cable bundles.

Made from polyethylene (PE), temperature-resistant from -20 °C to +65 °C, halogen-free. 1 reel = 10 m length.

Bundle Ø mm	Coil width mm	Outer Ø mm	1	18 6200
natural colour				
4 - 20	7.0	6	1	18 6200
6 - 60	11.4	10	1	18 6202
9 - 70	13.9	12	1	18 6204
12 - 80	15.0	15	1	18 6206
15 - 100	18.2	19	1	18 6208
25 - 130	19.6	24	1	18 6210
black				
4 - 20	7.0	6	1	18 6220
6 - 60	11.4	10	1	18 6222
9 - 70	13.9	12	1	18 6224
12 - 80	15.0	15	1	18 6226
15 - 100	18.2	19	1	18 6228
25 - 130	19.6	24	1	18 6230



Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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Adjustable cable tie clamping and cutting tool

in gun format for cable ties with a width of 2.2 mm up to 4.8 mm, clamping strength adjustable to max. 12 kg and with automatic cutting tool. Weight 303 g.

adjustable

175 mm

1

10 1930



1

Cable tie clamping and cutting tool HEAVY DUTY

in sheet steel for cable ties with a width of 2.3 mm to 9.5 mm, with integrated cutting tool.

Weight 320 g.

robust design

195 mm

1

10 1931



2

Cable tie bag

for all standard cable ties, sewn in hard-wearing, double padded material, with elastic band retainer and belt loop function. When removing only single cable ties from the bag, the elastic band prevents the remaining ties from falling out.

280 mm x 70 mm x 45 mm

1

17 0120



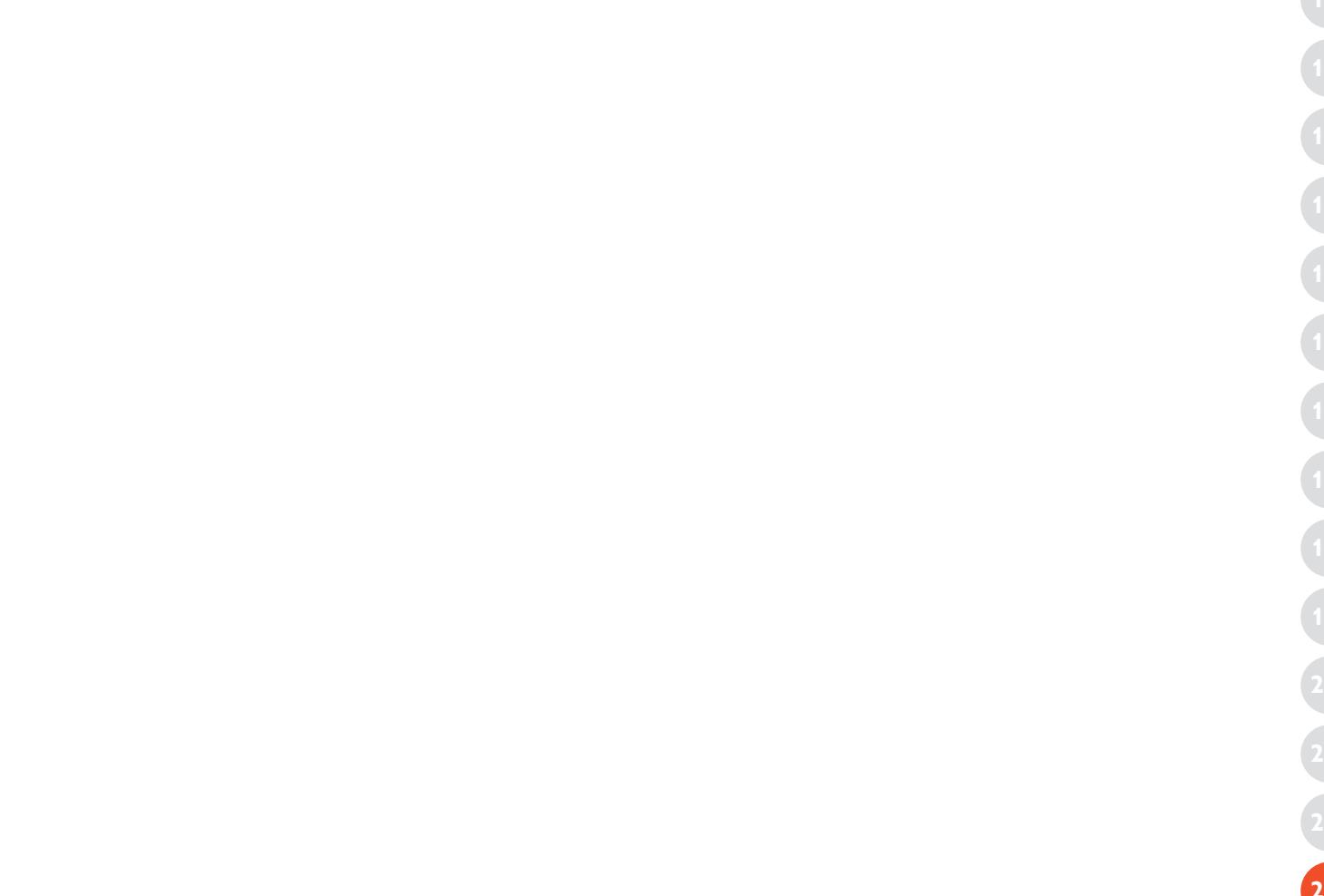
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Design	Size mm	PU	Article no.	cimco®
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Design	Size mm	PU	Article no.
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1 Steel cable ties

in stainless steel 316 (DIN 1.4401), with ball closure, rust and radiation resistant, anti-magnetic, extremely resistant to high temperatures (steel -80 °C to +538 °C) and aggressive chemicals, steel strength 0.25 mm, spec./authorisation UL. For application in machine and vehicle construction, signalling systems, ship construction and mining, in the food and chemical industries, in power plants, subways, building construction, switch cabinets, oil rigs, etc.

Width mm	Length mm	Cable harness ø mm	Min. tensile strength kp	N	100	18 6000
4.6	100	20	56	550	100	18 6001
	125	27			100	18 6002
	150	44			100	18 6003
	200	50			100	18 6004
	290	75			100	18 6005
	360	102			100	18 6006
	520	152			25	18 6010
7.9	200	50	122	1200	100	18 6011
	290	75			100	18 6012
	360	102			100	18 6013
	520	152			25	18 6014
	680	203			25	18 6015
	840	254			25	18 6016
	1000	318			25	18 6020
12.0	290	75	224	2200	25	18 6021
	360	102			25	18 6022
	520	152			25	18 6023
	680	203			25	18 6024
	840	254			25	18 6025
	1000	318			25	18 6025



11 with protective cable coating made from epoxide resin polyester, halogen-free, black

Width mm	Length mm	Cable harness ø mm	Min. tensile strength kp	N	100	18 6100
4.6	100	20	56	550	100	18 6102
	150	44			100	18 6103
	200	50			100	18 6104
	290	75			100	18 6105
	360	102			100	18 6106
	520	152			25	18 6110
7.9	200	50	122	1200	100	18 6111
	290	75			100	18 6112
	360	102			100	18 6113
	520	152			25	18 6114
	680	203			25	18 6115
	840	254			25	18 6116
	1000	318			25	18 6120
12.0	290	75	224	2200	25	18 6121
	360	102			25	18 6122
	520	152			25	18 6123
	680	203			25	18 6124
	840	254			25	18 6125
	1000	318			25	18 6125



19 Clamping tool

20 in steel, for clamping of steel ties up to 12 mm wide, even with protective cable coating, with rotating cutter for burr-free cutting edges

Length mm	1	10 1935
205		



Design

Size mm

PU

Article no.

cimco®

Design	Size mm	PU	Article no.
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Velcro ties (Velcro tape cable ties and retaining strips)

Areas of application:

For bundling, fastening, affixing, and many other uses. Especially suitable for the installation of sensitive cables (network cabling, telecommunications, fibre optics) and whenever frequent closing and opening of the ties is required (e.g. pre-assembly of cable harnesses).

Special product features:

Soft, flexible surface for minimum load on cable bundles, avoidance of unintentional damage of cables due to sharp or hard edges, even and flush contact with the entire circumference of the cable bundle, velcro closure technique adheres in any position, easy to open and close, quick installation without the use of tools, high tensile and transverse strength, adjustable, multiple-use, low wear for long service life, durable, non-fading colours, washable with no risk of damage, light-resistant, UV-resistant and sweat-resistant, waterproof and resistant to saltwater, no wastage during use, varying dimensions.

Velcro tape belt with synthetic eyelet

manufactured from woven polyamide, in two colours red/black to facilitate use, belt end without hook for rapid opening of the tie, suitable for up to 10,000 tie openings, tensile strength 260 N/cm, thickness approx. 2 mm (the minimum tensile load given is valid with at least 50 mm band overlap).

Width mm	Length mm			
25	240		10	18 1900
25	300		10	18 1902
25	360		10	18 1904



Velcro tape

in black, extruded polyamide velours laminate, tensile strength min. 120 N/cm, thickness approx. 1.4 mm, self-adhesive back-to-back, suitable for approx. 200 actuations. Standard colour is black; also available white, red, blue, green, yellow. Please inquire about minimum order quantity, delivery time approx. 8 weeks.

Velcro ties with tab, cut to binding lengths for normal electrical installations

Width mm	length			
7	200		25	18 1910
13	200		25	18 1912
16	300		25	18 1914



Velcro ties in reels, reel length 25 m, tensile strength min. 120 N/cm, custom-cut lengths

Width mm	Length m			
13	25		1 reel	18 1920
16	25		1 reel	18 1922
20	25		1 reel	18 1924
25	25		1 reel	18 1926
30	25		1 reel	18 1928



System Velcro tape

flexible back-to-back tie system for individual bundling and organising. Extra strong strap for heavy loads. Material strength min. 126 N/cm, shear strength 16 N/cm², suitable for approx. 200 actuations.

Cut double-sided velours tape to desired length and affix a hook tab and a hook eyelet to each end.

Width mm	Length		Pcs. per package		
25	12.5 m	velour tape	1	18 1971	
25	120 mm	hook tab	25	1	18 1972
25	53 mm	hook eyelet	25	1	18 1973
50	12.5 m	velour tape	1	18 1976	
50	100 mm	hook tab	25	1	18 1977
50	53 mm	hook eyelet	25	1	18 1978



Design	Size mm	PU	Article no.	cimco®
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System Velcro tape set

flexible back-to-back tie system for individual bundling and organising. Extra strong strap for heavy loads. Material strength min. 126 N/cm, shear strength 16 N/cm², suitable for approx. 200 actuations. Cut double-sided velours tape to the desired length and affix a hook tab and a hook eyelet to each end.

Included in the set:

- 12.5 meters back-to-back velour tape in dispenser box

- 25 pcs. hook tab

- 25 pcs. hook eyelet

Width Length

mm

m

25	12.5	1	18 1970
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50	12.5	1	18 1975
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Self-adhesive Velcro tape

self-adhesive hook and loop tape Ideal for individual and secure fastenings and yet always separable.

Velcro tape can simply be cut to the desired length, according to requirements.

Material strength min. 210 N/cm, shear strength 10,3 N/cm², approx. 10,000 actuations possible.

Adhesive: rubber-resin based, temperature range: -15° C to +90° C

Delivered in dispenser box with one reel each of hook and loop tape

Width Length

mm

m

20	10	1	18 1980
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50	25	1	18 1982
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Markings

Self-laminating cable markers

cable markers for simple, fast and permanent identification of cables.

Clear PV 006, self-adhesive soft PVC foil, 0.08 mm thick. Protects the inscription block from mechanical influences.

The marker consists of a patented, transparent press-on section, white inscription surface, transparent protective section. Temperature-resistant from -30 °C to +120 °C, permanent adhesive strength, high UV-resistance.

Resistant to dirt, moisture, alcohol, petroleum-based oils. Inscription with pencil, pen, printer etc.

Pocket format

Inscription block mm	Max. cable ø mm	Pieces per package	Length mm		
25 x 25	14	60	75	10	18 2650
25 x 25	38	30	150	10	18 2652
25 x 25	63	30	250	10	18 2654
sheet					
10 x 23	7	40	38	10	18 2656
25 x 23	14	20	75	10	18 2658



Hand inscription labels

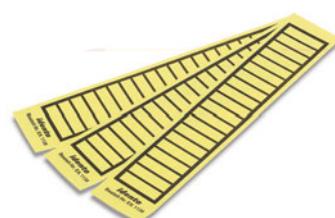
self-adhesive inscription labels in yellow woven fabric for tagging of electrical systems, equipment-identification,

stock and item labelling. Easy to inscribe with pencil, pen and typewriter. Self-adhesive PVC-impregnated

woven fabric in yellow with black border, 0.15 mm thick. Temperature-resistant from -30 °C to

+80 °C, good adhesion, resistant to ageing.

Pcs. per sheet	Dimensions mm			
40	11 x 19	10	18 2660	
20	25 x 38	10	18 2662	



Design	Size mm	PU	Article no.
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Inspection stickers

inspection stickers are used in quality assurance (QA) processes according to DIN ISO 9000 ff, in association with, e.g. legally stipulated inspections and within the context of the German Accident Prevention Guidelines (UVV). This especially applies to the monitoring of testing devices, equipment and systems, as well as important lines (cable, pipe). There are two ways to affix the inspection stickers: directly onto the inspected equipment or onto one of the basic stickers provided, which are affixed to the equipment. The date of inspection is documented with a writing instrument or punch pliers. The inspection stickers consist of tamper-proof document foil, i.e. to prevent misuse, the sticker is irrevocably destroyed when an attempt is made to remove it.

Document foil properties

The document foil can be marked using pencil, pen, felt pen or typewriter. It is 0.05 mm thick and temperature-resistant from -30 °C to +80 °C. The adhesive strength is greater than the tear strength of the foil. The foil breaks when removed and is largely resistant to ageing, weather and light. It is also resistant to water, salt water, alcohol, aliphatic solvents such as petroleum-based oils and fats.

Ø mm	Pcs. per sheet		
red "Blitz" 15	10	1	18 2670
yellow "Blitz" 15	10	1	18 2672
green "12"	20	1	18 2682
blue "13"	20	1	18 2683
yellow "14"	20	1	18 2684
red "15"	20	1	18 2685
green "16"	20	1	18 2686



Control pliers

for paper punches and thin plastics, e.g. for the simple marking of stickers before they are removed from the backing material. Mouth depth 30 mm

round recess 3 mm ø	120	10	10 1650
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Please state the special recess upon ordering:



Basic stickers

the self-adhesive basic sticker consists of white, markable plastic foil, to which stickers can repeatedly be applied. It adheres well to a clean surface and is destroyed when removed. The document foil is resistant to water, aliphatic solvents and petroleum-based oils and fats

Pcs. per sheet	Dimensions mm		
25	92 x 40	1	18 2690



Identification of conductors

the self-adhesive foil symbols for the identification of non-insulated and insulated conductors, housing, switch cabinets and equipment are available in different sizes on a sheet for rapid application. The symbols correspond to the German Industrial Standards DIN 40 009, DIN 40 011 and the IEC. Material: Self-adhesive PVC foil with lamination, 0.10 mm strength. Temperature-resistant from -30 °C to +100 °C, soil-resistant, long-lasting adhesion. ø: 12.5 mm

	Pcs. per sheet		
outer conductor 1, black	10	10	18 2620
outer conductor 2, black	10	10	18 2622
outer conductor 3, black	10	10	18 2624
neutral conductor N, blue	10	10	18 2626
protective conductor PE, green-yellow	10	10	18 2628
neutral conductor protective function	10	10	18 2630
earth	10	10	18 2632
earth, does not comply with DIN 40 011	10	10	18 2634



Design	Size mm	PU	Article no.
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SCREWS

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Mult-purpose screws

chipboard screws, galvanised, countersunk head with Pozidriv cross-head

Ø mm	Length mm	For crosshead Pozidriv size	PU	Article no.
3.0	16	1	200	19 0005
	20	1	200	19 0006
3.5	15 (fitting screw)	2	200	19 0014
	20	2	200	19 0015
	25 (fitting screw)	2	200	19 0016
	30	2	200	19 0017
	40 (fitting screw)	2	200	19 0019
4.0	25	2	200	19 0026
	30	2	200	19 0027
	35	2	200	19 0028
	40	2	200	19 0029
	45	2	200	19 0030
	50	2	200	19 0031
4.5	35	2	200	19 0040
	40	2	200	19 0041
	45	2	200	19 0042
	50	2	100	19 0043
	60	2	100	19 0044
5.0	30	2	200	19 0051
	40	2	200	19 0053
	50	2	100	19 0054
	60	2	100	19 0055
	80	2	100	19 0056
6.0	45	3	100	19 0062
	50	3	100	19 0063
	60	3	100	19 0064



Mult-purpose screws

chipboard screws, galvanised, round headed (pan head) with Pozidriv cross-head

Ø mm	Length mm	For crosshead Pozidriv size	PU	Article no.
3.5	16	2	200	19 0088
	20	2	200	19 0089
	25	2	200	19 0090
	30	2	200	19 0091
	35	2	200	19 0092
	40	2	200	19 0093
4.0	20	2	200	19 0098
	25	2	200	19 0099
	30	2	200	19 0100
	35	2	200	19 0101
	40	2	200	19 0102
	45	2	200	19 0103
	50	2	200	19 0104
4.5	25	2	200	19 0108
	30	2	200	19 0109
	35	2	200	19 0110
	40	2	200	19 0111
	45	2	200	19 0112
	50	2	200	19 0113
5.0	30	2	200	19 0118
	35	2	200	19 0119
	40	2	200	19 0120
	50	2	200	19 0121
	60	2	200	19 0122
6.0	60	3	100	19 0126



1 Multi-purpose screws

chipboard screws, hardened steel, galvanised, round head (pan head) with internal serration drive for TORX® tools

∅ mm	Length mm	For TORX® drive	200	Article no.
3.0	20	T 10	200	19 1201
3.5	16	T 15	200	19 1205
	20	T 15	200	19 1206
	30	T 15	200	19 1208
	40	T 15	200	19 1210
4.0	30	T 20	200	19 1215
	35	T 20	200	19 1216
	40	T 20	200	19 1217
	50	T 20	200	19 1219
4.5	40	T 20	200	19 1227
	45	T 20	200	19 1228
	50	T 20	200	19 1229
5.0	40	T 25	200	19 1235
	50	T 25	200	19 1237
	60	T 25	200	19 1238



9 Multi-purpose screws

chipboard screws, hardened steel, galvanised, countersunk head with internal serrated drive for TORX® tools

∅ mm	Length mm	For TORX® drive	200	Article no.
3.0	16	T 10	200	19 1500
	20	T 10	200	19 1501
3.5	25	T 15	200	19 1507
	30	T 15	200	19 1508
	40	T 15	200	19 1510
4.0	30	T 20	200	19 1515
	35	T 20	200	19 1516
	40	T 20	200	19 1517
4.5	45	T 20	200	19 1528
5.0	40	T 25	200	19 1535
	50	T 25	200	19 1537
	60	T 25	200	19 1538



15 Multi-purpose screws SPAX®

bright galvanised, countersunk head, T-Star plus

∅ mm	Length mm	Blade size T	200	Article no.
4.0	30	20	200	19 3027
	35	20	200	19 3028
	40	20	200	19 3029
4.5	45	20	200	19 3042
5.0	50	20	200	19 3054



19 Multi-purpose screws SPAX®

bright galvanised, round head, T-Star plus

∅ mm	Length mm	Blade size T	200	Article no.
3.5	20	15	200	19 3089
4.0	25	20	200	19 3099
	30	20	200	19 3100
	35	20	200	19 3101
	40	20	200	19 3102
	45	20	200	19 3103
	50	20	200	19 3104
4.5	40	20	200	19 3111
	45	20	200	19 3112
	50	20	200	19 3113
5.0	40	20	200	19 3120
	50	20	200	19 3121
	60	20	200	19 3122



Mult-purpose screw assortment, stainless steel

includes Pozidriv bits PZ 1 X 25, PZ 2 X 25 and PZ 3 X 25 in raaco – assortment box Vario 340

Ø mm	Length mm	Design	Contains pcs.
3.0	20	countersunk head	50
3.5	16	countersunk head	50
	20	countersunk head	50
4.0	20	countersunk head	100
	30	countersunk head	100
	40	countersunk head	100
5.0	30	countersunk head	100
	40	countersunk head	70
	50	countersunk head	50
6.0	50	countersunk head	25
3.0	20	round head	100
3.5	16	round head	100
	20	round head	100
4.0	20	round head	100
	30	round head	100
	40	round head	100
5.0	30	round head	100
	40	round head	70
	50	round head	50
6.0	50	round head	25



1,540 multi-purpose screws, Pozidriv crosshead, stainless steel, assorted

19 4212

Hex-head wood screws (key screws)

according to DIN 571, galvanised, general requirements according to DIN 267 Part 1

Ø mm	Length mm	For hexagonal key size		
6.0	40	Size 10	50	19 0210
	60	Size 10	25	19 0211
	80	Size 10	25	19 0212
8.0	50	Size 13	50	19 0222
	60	Size 13	25	19 0223
	80	Size 13	25	19 0224
	100	Size 13	25	19 0225
	120	Size 13	25	19 0226
10.0	60	Size 17	10	19 0235
	80	Size 17	10	19 0236
	100	Size 17	10	19 0237
	120	Size 17	10	19 0238



Sheet metal screws (self-drilling screws)

according to DIN 7504M (previously N), self-drilling, hardened steel, galvanised, round head, cylinder head with Phillips cross-head, sheet metal screw thread according to DIN 7970

Ø mm	Length mm	For crosshead		
		Phillips size		
3.5	9.5	2	100	19 0410
	13	2	100	19 0411
	16	2	100	19 0412
	19	2	100	19 0413
3.9	13	2	100	19 0416
	16	2	100	19 0417
	19	2	100	19 0418
	25	2	100	19 0419
4.2	13	2	100	19 0422
	16	2	100	19 0423
	19	2	100	19 0424
	22	2	100	19 0425
	25	2	100	19 0426
4.8	13	2	100	19 0432
	16	2	100	19 0433
	19	2	100	19 0434
	22	2	100	19 0435
	25	2	100	19 0436



1 Lens head sheet metal screw

according to ISO 7049, EN 27049 and DIN 7981, Form H with point, galvanised, lens head with Phillips cross-head

		For crosshead Phillips size		
ø mm	Length mm			
3.5	9.5	2	100	19 0300
	13.0	2	100	19 0301
	16.0	2	100	19 0302
	19.0	2	100	19 0303
	22.0	2	100	19 0304
	25.0	2	100	19 0305
3.9	13.0	2	100	19 0313
	16.0	2	100	19 0314
	19.0	2	100	19 0315
	25.0	2	100	19 0317
	32.0	2	100	19 0318
4.2	9.5	2	100	19 0324
	13.0	2	100	19 0325
	16.0	2	100	19 0326
	19.0	2	100	19 0327
	22.0	2	100	19 0328
	25.0	2	100	19 0329
4.8	13.0	2	100	19 0336
	16.0	2	100	19 0337
	19.0	2	100	19 0338
	22.0	2	100	19 0339
	25.0	2	100	19 0340
	32.0	2	100	19 0341
	38.0	2	100	19 0342



13 Wood screws

according to DIN 96, galvanised, round head with slot

		For slot-head screwdriver slot size (mm)		
ø mm	Length mm			
3.5	20	7.0 x 0.8	200	19 0149
4.0	30	8.0 x 1.0	200	19 0160
	35	8.0 x 1.0	200	19 0161
	40	8.0 x 1.0	200	19 0162
	50	8.0 x 1.0	200	19 0164
5.0	30	10.0 x 1.2	200	19 0182
	35	10.0 x 1.2	200	19 0183
	40	10.0 x 1.2	200	19 0184
	50	10.0 x 1.2	200	19 0186
	60	10.0 x 1.2	100	19 0187



Hex-head machine screws

according to DIN 933, with thread up to the head, hardened steel, galvanised, grade 8.8

	Length mm		PU	Article no.
M 4	20	Size 7	100	19 0500
	30	Size 7	100	19 0504
	40	Size 7	100	19 0506
M 5	10	Size 8	100	19 0514
	16	Size 8	100	19 0516
	25	Size 8	100	19 0520
	35	Size 8	100	19 0522
	45	Size 8	100	19 0524
M 6	60	Size 8	100	19 0528
	10	Size 10	100	19 0535
	16	Size 10	100	19 0538
	25	Size 10	100	19 0542
	35	Size 10	100	19 0545
M 8	45	Size 10	100	19 0547
	20	Size 13	100	19 0562
	25	Size 13	100	19 0564
	30	Size 13	100	19 0566
	35	Size 13	100	19 0567
M 10	40	Size 13	100	19 0568
	50	Size 13	100	19 0570
	60	Size 13	100	19 0572
	20	Size 17	100	19 0588
	30	Size 17	100	19 0592
M 12	40	Size 17	100	19 0594
	50	Size 17	50	19 0596
	70	Size 17	25	19 0600
	25	Size 19	50	19 0614
	30	Size 19	50	19 0616
M 14	40	Size 19	50	19 0618
	50	Size 19	50	19 0620
	60	Size 19	50	19 0622



Cylinder head screws

according to ISO 1207, EN 21207 and DIN 84, Form A, with slot, made of hardened steel, galvanised, grade 4.8

	Ø mm	Length mm	Slot size mm	PU	Article no.
M 3	10	5.5 x 0.8	100	19 0800	
	16	5.5 x 0.8	100	19 0806	
	20	5.5 x 0.8	100	19 0808	
	30	5.5 x 0.8	100	19 0811	
M 4	10	7.0 x 1.2	100	19 0828	
	16	7.0 x 1.2	100	19 0832	
	20	7.0 x 1.2	100	19 0834	
	25	7.0 x 1.2	100	19 0836	
	30	7.0 x 1.2	100	19 0837	
	40	7.0 x 1.2	100	19 0839	
M 5	10	8.5 x 1.2	100	19 0848	
	16	8.5 x 1.2	100	19 0862	
	20	8.5 x 1.2	100	19 0864	
	25	8.5 x 1.2	100	19 0866	
	30	8.5 x 1.2	100	19 0867	
	40	8.5 x 1.2	100	19 0869	
M 6	10	10.0 x 1.6	100	19 0878	
	16	10.0 x 1.6	100	19 0882	
	20	10.0 x 1.6	100	19 0884	
	25	10.0 x 1.6	100	19 0887	
	30	10.0 x 1.6	100	19 0888	
	40	10.0 x 1.6	100	19 0890	
M 8	30	13.0 x 2.0	50	19 0908	
	40	13.0 x 2.0	50	19 0910	



1 Thread rods (threaded bolts)

according to DIN 976, steel, galvanised, Length 1000 m

Ø mm

4	1	19 1104
5	1	19 1105
6	1	19 1106
8	1	19 1108
10	1	19 1110
12	1	19 1112



2 Hex nuts

according to ISO 4032, EN 24032 and DIN 934, galvanised steel, grade 8

Ø mm

For hex

key size

M 3	Size 5.5	100	19 2000
M 4	Size 7	100	19 2001
M 5	Size 8	100	19 2002
M 6	Size 10	100	19 2003
M 8	Size 13	100	19 2005
M 10	Size 17	100	19 2006
M 12	Size 19	50	19 2007



3 Washers

according to ISO 7089, EN 27089 and DIN 125, Form A without chamfer, galvanised steel

For screws Internal Ø mm External Ø mm

M 3	3.2	7	100	19 2600
M 4	4.3	9	100	19 2602
M 5	5.3	10	100	19 2603
M 6	6.4	12	100	19 2604
M 8	8.4	16	100	19 2606
M 10	10.5	20	100	19 2607
M 12	13.0	24	100	19 2608



4 Washers

ISO 7093, EN 27093 and DIN 9021N (mudguard washers), steel, galvanised, external diameter = approx. 3 x thread diameter

For screws Internal Ø mm External Ø mm

M 4	4.3	12	100	19 2650
M 5	5.3	15	100	19 2651
M 6	6.4	18	100	19 2652
M 8	8.4	24	100	19 2654
M 10	10.5	30	100	19 2656



5 Serrated washers

according to DIN 6798, Form A, externally toothed, steel, galvanised

For screws Internal Ø mm External Ø mm

M 3	3.2	6	100	19 2700
M 4	4.3	8	100	19 2702
M 5	5.3	9	100	19 2703
M 6	6.4	11	100	19 2704
M 8	8.4	14	100	19 2706
M 10	10.5	18	100	19 2708
M 12	13	20	100	19 2710



6 Spring lock washers

according to DIN 127, Form A (curved), galvanised spring steel, steel

For screws External Ø mm

M 3	6.2	100	19 2750
M 4	7.6	100	19 2752
M 5	9.2	100	19 2754
M 6	11.8	100	19 2756
M 8	14.8	100	19 2758
M 10	18.1	100	19 2760
M 12	21.1	100	19 2762



ADHESIVE TAPES, HEAT-SHRINKABLE/ COUPLING SLEEVE TECHNOLOGY

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Large pour-in opening

The coupling sleeve sliders allow the coupling sleeve to be easily and reliably poured, even in a sloping position.

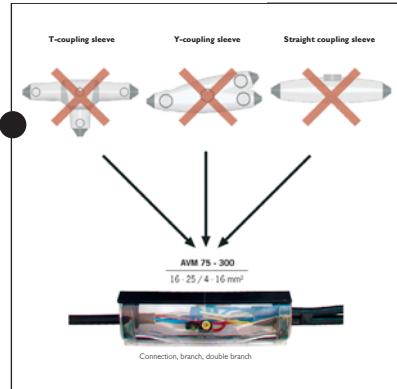


Practical application

The easy solution for protecting cable connections from dust and damp (IP 68). Can be removed at any time after curing of the gel mass.

Versatile in application

Three different connections can be created with one coupling sleeve.



Variety

Specially designed for use in the electrical industry and trade, our range comprises a great variety of adhesive tapes for different uses.



Quality

CIMCO technical adhesive tapes offer constantly excellent qualities during installation and also in long-term continuous use.

Standards

CIMCO adhesive tapes comply with the requirements of DIN EN 60454 and in the majority of cases exceed them.

	Design/colour	Width/mm	Length/m	PU	Article no.
PVC adhesive tapes					
Universal insulating tapes					
Description:					
PVC membrane, coated on one side with non-corrosive, pressure-sensitive rubber adhesive.					
Special features:					
Flame-retardant, self-extinguishing, good electric and mechanical properties, waterproof, weather and UV resistant, silicone-free. Certified according to DIN EN 60454 - Part 2					
Typical areas of use:					
All-round adhesive tape in excellent quality for bundling, standard insulation, coloured marking (e. g. earth conductors in green-yellow) and reinforcing, ideal for many electrical installation and repair tasks.					
1	black	15	10	120	16 0100
2	white			120	16 0101
3	grey			120	16 0102
4	yellow			120	16 0103
5	blue			120	16 0104
6	red			120	16 0105
7	violet			120	16 0106
8	green			120	16 0107
9	brown			120	16 0108
10	green-yellow			120	16 0109
11	black	15	20	60	16 0110
12	white			60	16 0111
13	grey			60	16 0112
14	yellow			60	16 0113
15	blue			60	16 0114
16	red			60	16 0115
17	violet			60	16 0116
18	green			60	16 0117
19	brown			60	16 0118
20	green-yellow			60	16 0119
21	black	19	20	48	16 0130
22	white			48	16 0131
23	grey			48	16 0132
24	yellow			48	16 0133
25	blue			48	16 0134
26	red			48	16 0135
	violet			48	16 0136
	green			48	16 0137
	brown			48	16 0138
	green-yellow			48	16 0139
	black	25	20	36	16 0140
	white			36	16 0141
	grey			36	16 0142
	yellow			36	16 0143
	blue			36	16 0144
	red			36	16 0145
	violet			36	16 0146
	brown			36	16 0148
	green-yellow			36	16 0149
	black	30	20	30	16 0150
	black	38	20	24	16 0160
	black	50	20	18	16 0170
	Rainbow pack				
	10 assorted colours	15	10	100	16 0000



	Design/colour	Width/mm	Length/m	PU	Article no.
cimco®					

Design/colour	Width/mm	Length/m	PU	Article no.
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Insulating tapes for phase marking

Description:

PVC membrane, coated on one side with non-corrosive, pressure-sensitive rubber adhesive.

Special features:

Black with white print L1, L2 and L3, blue with white print N.

Typical areas of use:

Electrical insulation tapes for marking the conductor phase of multi-core cables.

black, L1	15	10	100	16 0201
black, L2	15	10	100	16 0202
black, L3	15	10	100	16 0203
blue, N	15	10	100	16 0204
Assortment, 4 piece, L1, L2, L3, N	15		1	16 0205



High performance electrical insulation tape for high temperatures, VDE

Description:

PVC membrane, coated on one side with non-corrosive, pressure sensitive rubber adhesive.

Special features:

Excellent resistance to high temperatures up to +105 °C, flame-retardant, self-extinguishing, UV and weather resistant, VDE approved. Approved according to EN 60 454 Type 10

Typical areas of use:

Insulation and repair work, indoors and outdoors, in particular for use where there is long-term high temperature influence, e. g. cable wrapping in engines and in car bodies, wrapping wire harness for cars, washing machines, dishwashers, for general thermal insulation, for bundling and for reinforcement as a mechanical protection.

black	19	33	48	16 0250
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All weather high performance electrical insulation tape

Description:

PVC membrane, coated on one side with non-corrosive, pressure-sensitive rubber adhesive.

Special features:

Excellent reliability and working properties even at low temperatures (down to -20°C), flame-retardant, self-extinguishing, UV and weather resistant. Approved according to EN 60 454 Type 11

Typical areas of use:

Insulation and repair work indoors and outdoors, in particular for outdoor use in extreme weather conditions, at low temperatures and with marked changes in temperature, sealing and connecting medium-high voltage cables, insulation and sealing of cold storage rooms, general thermal insulation.

black	19	20	48	16 0260
black	25	20	36	16 0262



Corrosion protection tapes

Description:

Particularly strong PVC membrane, coated on one side with non-corrosive, aggressive adhesive

Special features:

Heavy duty PVC adhesive tapes with high abrasion resistance, UV and water resistant (including salt water), resistant to alkaline solutions and many acids and micro-organisms, bitumen compatible.

Typical areas of use:

As an external wrap for additional protection against wear by abrasion, weather influences and corrosion, thereby extending service life and reducing frequent maintenance work. Examples: as a protection against stone impact, step impact and scratching for freely suspended and underground cables, pipes and connection points of cables and pipes, corrosion protection of freely suspended cables and pipes (e.g. on shipboard, in wet operating areas, in the chemical industry), outstanding mechanical and corrosion protection for installation pipes and masts sunk into the ground, base protection for electrical appliances (washing machines, tumble driers, chest freezers).

Tape thickness 0.25 mm, for heavy duty use

silver-coloured	50	33	18	16 0280
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Tape thickness 0.44 mm, for particularly heavy duty use

black	50	33	18	16 0282
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Design/colour	Width/mm	Length/m	PU	Article no.
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Design/colour	Width/mm	Length/m	PU	Article no.
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1 Self-amalgamating insulating tapes

2 Cable sealing tapes / insulating mastic

3 Description:

4 Cold amalgamating insulating tape on butyl rubber base, with easy to pull off plastic separating layer.

5 Special features:

6 Will amalgamate after processing under light tensile stress to form an air and waterproof layer that can be shaped as desired by hand, is permanently elastic, compatible with all materials for cable jackets, will remain flexible even at temperatures below 0 °C, excellent dielectric properties, weather and aging resistant.

7 Typical areas of use:

8 For quick, economical construction or repair / replacement of insulation, in particular the maintenance of damaged cable jackets, can be built into complete installation systems in combination with other insulating tapes (e. g. cable end wrapping with PVC insulating tape), for provisional closure of coupling sleeves, padding of cable clips, use as dust and corrosion protection, e. g. against the effects of moisture at cable ends, can be used indoors and outdoors.

black, 2 mm thick	38	5	24	16 2810
black, 3 mm thick	38	1.5	24	16 2820



9 Self-amalgamating high voltage insulating tape up to 35 kV

10 Description:

11 Cold amalgamating insulating tape made from polyisobutylene, with an easy to pull off plastic separating layer.

12 Special features:

13 Will amalgamate after processing under light tensile stress to form an air and waterproof rubber layer, extremely elastic (elongation at break 600 %) and shape adaptable, permanently elastic, compatible with all materials for insulation and cable jackets, wide range of temperatures for application, excellent electrical properties (in particular dielectric strength) UV, ozone, weather and aging resistant.

14 Typical areas of use:

15 Ideal for sealing, splicing, insulating and for the repair of live cables, mainly for voltage insulation of high-voltage cables up to 17 kV/mm, excellent repair properties, even on heavy rubber sleeve cables, for waterproof sealing of electrical circuits and connections (e. g. satellite TV dishes), for fixing cables outdoors, corrosion protection of metal parts, excellently suited for emergency repairs to car radiators, water and engine hoses, vacuum cleaner hoses, sinks and waste pipes.

black, 0.5 mm thick	19	10	42	16 2840
	25	10	36	16 2841



16 Self-amalgamating insulating tape for extreme temperatures

17 Description:

18 Cold amalgamating insulating tape made of polyethylene, with easy to pull off plastic separating layer.

19 Special features:

20 Will amalgamate after processing under light tensile stress to form an air and waterproof layer, extremely elastic (elongation at break 600 %) and shape adaptable, permanently elastic, compatible with all materials for insulation and cable jackets, unusually wide temperature range for application, excellent electrical properties (in particular dielectric strength), ozone, weather and aging resistant, outstanding resistance to alkaline solutions, hydraulic fluids and other chemical substances.

21 Typical areas of use:

22 Uses as for high-voltage insulation tape no. 16 2840 – 16 2841, but with added excellent resistance to very high and very low temperatures (-35 °C to +95 °C, up to 130 °C for short periods) and also to many chemicals, for demanding insulation work up to 34 kV/mm and for maintaining resistance to chemicals at high temperatures.

black	19	10	42	16 2830
	25	10	36	16 2831



Design/colour	Width/mm	Length/m	PU	Article no.
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Woven insulation tapes

Universal quality woven tape

Description:

Extruded woven tape, coated on the one side with waterproof polyethylene coating, on the other side with an aggressive, non-corrosive, pressure-resistant adhesive.

Special features:

Matte, water and weatherproof finish, easy to write on with pencil, ball-point pen, permanent marker, felt and etching pens, can be printed, largely resistant to many chemicals, unaffected by softeners and oil vapour, excellent electrical properties, can be easily and cleanly torn off crossways by hand.

Typical areas of use:

Universal woven adhesive tape for industry and craft use: colour marking and marking of cables, electrical components, tubes and ducts, labelling of switch cabinets, distribution, patch panels, for bundling, fixing, securing and reinforcing of cables and tubes, for masking in painting and varnishing work.

black	15	50	80	16 2000
white			80	16 2001
grey			80	16 2002
blue			80	16 2003
yellow			80	16 2004
red			80	16 2005
green			80	16 2006
black	19	50	64	16 2010
white			64	16 2011
grey			64	16 2012
blue			64	16 2013
yellow			64	16 2014
red			64	16 2015
green			64	16 2016
black	25	50	48	16 2020
white			48	16 2021
grey			48	16 2022
blue			48	16 2023
yellow			48	16 2024
red			48	16 2025
green			48	16 2026
black	30	50	40	16 2030
white			40	16 2031
grey			40	16 2032
blue			40	16 2033
yellow			40	16 2034
red			40	16 2035
green			40	16 2036
black	38	50	32	16 2040
white			32	16 2041
grey			32	16 2042
blue			32	16 2043
yellow			32	16 2044
red			32	16 2045
green			32	16 2046
black	50	50	24	16 2050
white			24	16 2051
grey			24	16 2052
blue			24	16 2053
yellow			24	16 2054
red			24	16 2055
green			24	16 2056



Design/colour	Width/mm	Length/m	PU	Article no.
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	Design/colour	Width/mm	Length/m	PU	Article no.
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1 Fibre glass woven adhesive tapes

Description:

Woven tapes on a fibre glass base, coated with adhesive on one side.

Special features:

Thermal stability: fibre glass woven tapes have been developed especially for uses that require a high temperature resistance. The tapes also have very high mechanical stability (tear resistance 280 N/10mm, breaking elongation 5 %) and also good resistance to aging.

Typical areas of use:

Insulation of high heat-radiating components and protective wrapping against heat, e. g. thermal insulation of coils, of flat conductors in actuators, generators and similar devices, pressure wrapping of coils and armature winding as well as jackets for external wiring, fixing of temperature measurement sensors.

Fibre glass woven tape 130

Coated with heat curing rubber adhesive, permanently resistant to temperatures up to 130 °C

white	12	55	24	16 2500
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Fibre glass woven tape 155

Coated with acrylic adhesive, permanently resistant to temperatures up to 155 °C

white	12	55	24	16 2510
	19	55	16	16 2511

Fibre glass woven tape 180

Coated with heat curing silicone adhesive, permanently temperature resistant up to 180 °C

white	19	33	16	16 2521
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12 Special adhesive tapes

Aluminium foil adhesive tape

Description:

Aluminium foil, 40 µm (0.04 mm) thick, coated on one side with pressure resistant acrylic adhesive.

The tape comes with strong, polyethylene coated separating paper.

Special features:

Heat deflecting, light reflecting, moisture resistant, very low water permeability (water vapour barrier).

Typical areas of use:

Heat protection for electronic devices, shielding from electromagnetic fields for electronic devices, sealing cooling insulation, covering cut edges of aluminium foil edged insulation mats and rock wool or fibre glass insulation panels, sealing of metal and plastic ducts, applications with higher requirements for preventive fire protection, e. g. flame retardant winding for cable installation.

silver-coloured	50	50	24	16 2900
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18 Filament adhesive tape with mesh thread reinforcement

Description:

Base layer in polypropylene, reinforced with meshed nylon threads running lengthwise and across for the full length of the tape, coated on one side with rubber adhesive

Special features:

Excellent resistance to abrasion, extremely tear resistant (lengthways and across), no fraying at the sides, powerful, immediate adhesion.

Typical areas of use:

Bundling and drawing through of cables and cable harnesses, very strong packaging tape for closing and reinforcing, including heavy packages, e. g. cardboard boxes and cartons, wrapping heavy packaging items and other goods, banding of plastic and metal tubes, metal rods etc.

transparent	50	50	18	16 2950
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	Design/colour	Width/mm	Length/m	PU	Article no.
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Design/colour	Width/mm	Length/m	PU	Article no.
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Double-sided adhesive foam tape

Description:

Closed-cell polyethylene foam, coated on both sides with acrylic-based adhesive, comes with separating paper.

Special features:

Excellent resistance to pressure, easy to shape, very good resistance to UV, aging, moisture, oils, solvents and softeners, powerful immediate adhesion.

Typical areas of use:

Many different uses in assembly, even for vertical heavy load assemblies indoors and outdoors, instead of riveting, screwing and liquid adhesives, good adhesion including to non-elastic materials with irregular, rough surfaces (wood, masonry, concrete, paint): on wall mounting for cable routing ducts, cable clamps, switch cabinets, attaching labels, displays and notices, including those made of and attached to plastic, impact-resistant and vibration-cushioned soft bedding of components (e. g. PCBs, control panels, controls and instruments), effective reduction of sound transmission (rattle suppression), form-fitting seals against dust, water, vapour, wind and light, also for closing air outlets to save energy.

white	15	33	20	16 2861
	19	33	16	16 2862
	25	33	12	16 2863

Paper masking tape

Low crepe paper masking tape, 0.16 mm. thick. Medium adhesion thanks to rubber-based adhesive.

Suitable for indoor use.

Special features:

High tear resistance to approx. 114 N / 25 mm and medium adhesion of 6.2 N / 25 mm. Temperature resistant up to max. 85 °C for 1 hour. The crepe allows it to adapt very well to different substrates and radii.

Typical areas of use:

Masking of areas to be blocked when painting and varnishing.

beige	19	50	1	16 0302
	25	50	1	16 0304
	38	50	1	16 0306
	50	50	1	16 0308



Design/colour	Width/mm	Length/m	PU	Article no.
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Design/colour	Width/mm	Length/m		PU	Article no.																						
Type of adhesive tape																											
Tape thickness (mm)																											
Elongation at rupture (cm/25mm width)																											
Adhesive strength (%)																											
Dielectric strength w/ regard to spec. tape dimensions (kV)																											
Dielectric strength on tape back (N/10mm)																											
Working temperature (°C)																											
Temperature resistance (°C)																											
Frame temperature (°C)																											
Flame resistance (self-extinguishing)																											
Water-resistant																											
Salt water-resistant																											
Corrosion-resistant																											
Ozone-resistant																											
Resistance to chemicals																											
Abrasion-resistance																											
Agg. resistance																											
Shape-adaptability																											
Easy-to-break-off																											
Residue-free removal																											
Inscribable																											
From order no. to order no.																											
PVC insulation adhesive tapes																											
16 0000 - 16 0170	0,13	26	180	1×10^{11}	2,4	2,1	8	-5	+70	0	+40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	good		Yes	Yes	Yes				
16 0201 - 16 0204	0,18	40	250	5×10^{13}	2,3	1,7	10	-5	+70	0	+40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	good	Yes	Yes	Yes				
16 0250 - 16 0252	0,15	25	150	1×10^{11}	3,0	2,6	9,5	-5	+105	0	+40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	good	Yes	Yes	Yes				
16 0260 - 16 0262	0,19	30	200	5×10^{13}	2,2	2,0	10	-20	+105	-10	+40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	good	Yes	Yes	Yes				
16 0270	0,23	55	300	5×10^{13}	2,5	2,0	10	-5	+70	+10	+40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	very good		Yes	Yes				
16 0280	0,25	44	220		3,3	3,0	10	-5	+80	+5	+40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	very good		Yes					
16 0282	0,44	90	200		3,0	2,6	12	+5	+80	+5	+40	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	excellent	Yes						
Self-adhering tapes																											
16 2800	1				-	-	16/mm	-30	+80	0	+40			Yes	Yes	Yes	Yes	Yes	part.			Yes	Yes	Yes			
16 2810	2				-	-	16/mm	-30	+80	0	+40			Yes	Yes	Yes	Yes	Yes	part.			Yes	Yes	Yes			
16 2820	3			2×10^{10}	-	-	16/mm	-30	+80	0	+40			Yes	Yes	Yes	Yes	Yes	part.			Yes	Yes	Yes			
16 2840 - 16 2841	0,5	12	600	1×10^{13}	-	-	40/mm	-95	+95	0	+40			Yes	Yes	Yes	Yes	Yes				Yes	Yes				
16 2830 - 16 2831	0,5	20	600	1×10^{15}	-	-	35/mm	-40	+90	0	+10			Yes	Yes	Yes	Yes	Yes	part.			Yes	Yes				
Fabric adhesive tapes																											
16 2000 - 16 2156	0,33	85	8		4,0	2,2	3	-50	+80	+10	+45										good		Yes	Yes	Yes		
16 2500 - 16 2502	0,18	280	5	1×10^{12}	4,0			2,5	0	+130	+10	+10												Yes			
16 2510 - 16 2512	0,18	280	5	1×10^{12}	3,5			2,5	0	+155	+10	+10												Yes			
16 2520 - 16 2522	0,18	280	5	1×10^{15}	3,0			2,5	0	+180	+10	+40	Yes											Yes			
Special adhesive tapes																											
16 2900	0,08	22	5		3,8	3,8		-20	+110	0	+40	Yes	Yes	Yes	Yes									Yes			
16 2950	0,13	280	10		8,0			0	+80	+10	+25			Yes										excellent	Yes		
16 2860 - 16 2863	0,85	11	300		10,0	10,0		-10	+100	+10	+40			Yes	Yes	Yes	Yes							Yes	Yes		
16 0302 - 16 0308	0,16	45	10		2,5			+5	+85	+5	+25			part.										Yes	Yes	Yes	Yes

Mechanical coupling sleeves

Quick and simple assembly makes mechanical coupling sleeves optimally suited as repair and connection sleeves or branch joints.

Mechanical cable joint box TDM

for quick and safe connection of communication, control and supply wires with diameters from 6 to 25 mm.

Waterproof (IP 68), UV resistant, alkaline earths and rot resistant, joint box body impact resistant, with screw lid, with lug to secure the seal against unauthorised access. Suitable for connecting up to four cables.

The cable joint box meets the ÖVE IM22 standard.

Scope of delivery: one cable joint box with sleeve insert, five cable ties, can of lubricant, cutter, assembly instructions.

Type	Conductor cross-section in mm ²	clearance	Application area Ø mm	
TDM 1	3 x 1.5 up to 5 x 2.5	6 - 14	1	18 4760
TDM 2	3 x 1.5 up to 5 x 16	6 - 25	1	18 4762



Mechanical connecting sleeves (MVM) and branch couplings (MAM)

suitable for connecting from 2 to 6 cables (with double sleeves 4 to 12 cables).

Waterproof (IP 68), high mechanical stability, acid earth resistance, separate strain relief for each entry.

Type	Application area ø mm		
MVM 23/200	8 – 23 mm (8 – 13 mm)*	1	18 4160
MVM 42/320	8 – 42 mm (8 – 16 mm/8-23 mm)*	1	18 4162
MAM 23/200	8 – 23 mm (8 – 13 mm)*	1	18 4166
MAM 42/320	8 – 42 mm (8 – 16 mm/8-23 mm)*	1	18 4168



Design/colour **Width/mm** **Length/m** **PU** **Article no.**

Design/colour	Width/mm	Length/m	PU	Article no.
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Cast resin joints

Cast resin joint

non-flammable according to VDE 0304 Part 3

Plastic joint body, transparent and thermo-plastic, making it extremely resistant to chemical and mechanical influences. The polyurethane foam seals are highly reliable, preventing the escape of resin before it has cured.

Cast resin

according to VDE 0291 Part 2

Polyurethane cast resin is an unfilled, low viscosity, elastic curing two-component system.

Technical data:

- can be stored for 24 months
- store in dry rooms between +5 °C and +50 °C
- curing within 24 hours
- temperature resistant between -25 °C and +120 °C in cured condition
- resin and hardener can be disposed of in domestic waste

1 kV cast resin joint sets including joint casing and pack of cast resin cans

comprising joint casing including polyurethane cast resin and hardener, one pair of disposable gloves, one spatula, two foam seals and sandpaper.

Type	Wire cross-section in mm ²	Fill quantity		
	clearance	branch	resin/hardener	
AVM 40-175 D	3 x 1.5 to 5 x 6	3 x 1.5 to 5 x 4	0.225 kg	1 18 4660
AVM 55-220 D	5 x 6 to 10	5 x 2.5 to 10	0.615 kg	1 18 4662
AVM 75-300 D	4 x 16 to 25	5 x 4 to 16	1.350 kg	1 18 4664
AVM 95-400 D	4 x 35 to 70	4 x 16 to 25	2.500 kg	1 18 4666
AVM 110-500 D	4 x 95 to 150	4 x 25 to 50	4.700 kg	1 18 4668



1 kV two-component cast resin set as can pack

including stirrer, gloves and instructions

Type	Fill quantity			
	resin	hardener		
PUR 160-200 D	0.225 kg	172 cm ³	1	18 4680
PUR 160-400 D	0.400 kg	345 cm ³	1	18 4682
PUR 160-615 D	0.615 kg	528 cm ³	1	18 4770



Shrink-on coupling sleeves

Shrink-on coupling sleeves for crimped or screwed connections 1kV

thick-walled electrical shrink-on sleeves (heat shrinking) with outstanding mechanical stability, chemical resistance and electrical properties. Lined with hot melt adhesive, thus giving excellent protection against water and damp. For long-term connection of plastic cables laid in the ground and also on cable trays or in the open air. Resistant to environmental influences, e. g. UV rays, ozone, oxygen, acids, alkaline earths.

Type	Wire cross-section	Cable	Hose		
	in mm ²	ø mm	length mm		
1.5 – 6/3	3 x 1.5 to 6	11 – 18	200 x 60	1	18 4060
1.5 – 6/5	5 x 1.5 to 6	13 – 21	200 x 60	1	18 4062
6 – 16/5	5 x 6 to 16	18 – 25	450 x 100	1	18 4064
6 – 25	4 x 6 to 25	16 – 32	450 x 100	1	18 4066
16 – 50	4 x 16 to 50	21 – 36	550 x 150	1	18 4068
50 – 150	4 x 50 to 150	29 – 54	650 x 200	1	18 4070



Design/colour	Width/mm	Length/m	PU	Article no.
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Design/colour	Width/mm	Length/m	PU	Article no.
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1 Connectors

screw connectors or branch connector terminals for 1 kV cast resin joints, shrink-on sleeve couplings and mechanical box and branch joints (MVM and MAM).



2 Screw connectors

Type	Wire cross-section in mm ²	1	18 0960
brass	1.5 – 16	1	18 0960
tin-coated	6 – 25	1	18 0962

3 Branch and connector terminals

Type	Wire cross-section in mm ²	1	18 0964
brass	1.5 – 10	1	18 0964
brass	2.5 – 16	1	18 0966
brass	6 – 25	1	18 0968



4 ALPA-GEL

the simple solution for protecting cable connections from dust and damp (IP 68). After curing of the gel mass, removal is possible at any time. The solvent-free two-component silicone gel mixed in 1:1 proportion and with an impact resistance of 20 KV/mm is supplied with mixing jug, mixing spatula and disposable gloves in 2 different pack sizes.

250 ml	1	15 1010
1,000 ml	1	15 1012



14 Large pack without mixing jug, mixing spatula and disposable gloves

10,000 ml	1	15 1014
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Design/colour	Width/mm	Length/m	PU	Article no.
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Heat-shrink tubes

made from homogenous polyolefin, thermally stabilised, cross-linked by irradiation, with outstanding mechanical stability, chemical resistance and electrical properties:

Significant mechanical performance properties (typical measured values):

Tensile strength 14.8 MPa / min (N/mm²), tensile strength after heat aging 14.5 MPa / min (N/mm²), elongation at break 460 %, elongation after heat aging (168 h at +158 °C) 480 %, thermal shock (4 h at +250 °C) 8 % with complete shrinkage, cold shock (1 h at -30 °C), no breaking. Long-term operational temperature - 55 °C to +125 °C.

Will take print very well, with heat sealed, inkjet and offset printing.

Significant chemical performance properties:

Excellent UV light, ozone and salt water resistance, good resistance to commonly used chemicals (cleaners and solvents, weak acids and bases, fuels, oils), resistance to fungus and rot (Rating 1 according to ISO 846 Method A). The heat shrink tubes are free of asbestos, azoic compounds, formaldehydes, silicone. The shrink tubes are self-extinguishing according to UL 224 VW-1. No dioxin is released on incineration. The products are non-corrosive (compatible with copper) and compatible with all commonly used materials for cable insulation such as plastic, rubber, lead, steel, aluminium, silicone etc.

Significant electrical performance properties:

Dielectric strength 17 kV/mm (green-yellow design 15 kV/mm), specific electric resistance $1 \times 10^{15} \Omega/\text{cm}$ (yellow-green design $1 \times 10^{14} \Omega/\text{cm}$),

Further detailed mechanical, chemical and electrical product data, and a summary of approval certificates from test institutes, can be obtained on request in the form of our Technical Data Sheets.



Detailed measurements of the individual types and sizes of the CIMCO heat shrink tube range can be found on page 289.

Working instructions:

- If necessary, cut the heat shrink tube to the desired length, taking care to ensure a smooth cut edge.
- Only undertake shrinking on clean surfaces, as free of dust and grease as possible.
- Begin the shrinking process, starting at one end of the tube.
- Shrinkage temperature from +70 °C to +115 °C.
- Ideally, work with a special hot-air blower, furnace or infrared lamp.

Thin-walled, black heat shrink tube, shrinkage ratio 2 : 1

halogen-free, thin-walled, flexible standard electrical shrink tube with shrinkage ratio 2 : 1 (shrinkage capacity down to half the given internal diameter before heat shrinking). Excellently suited for electrical insulation, as bend and abrasion protection, as damp protection for seals, for bundling, for strain relief and for identification in electronics and electrics, telecommunications, cable assembly, in the automotive industry and many other areas. On dispensing rolls, robust, environmentally friendly cardboard rolls, diameter approx. 300 mm - 550 mm (according to size of shrink tube), core hole diameter approx. 30 mm, particularly suited to industrial use.

Nominal ø BEFORE shrinking inch	mm	Shrink range	Length	1 roll	Article no.
		mm	m		
3/64	1.2	0.6 - 0.8	200	1 roll	18 4002
1/16	1.6	0.75 - 1.5	200	1 roll	18 4004
3/32	2.4	1.1 - 1.8	200	1 roll	18 4006
1/8	3.2	1.6 - 2.7	200	1 roll	18 4008
3/16	4.8	2.35 - 4.0	100	1 roll	18 4010
1/4	6.4	3.1 - 5.4	100	1 roll	18 4012
3/8	9.6	4.7 - 8.0	100	1 roll	18 4014
1/2	12.7	6.2 - 11	100	1 roll	18 4016
3/4	19	9.3 - 17	100	1 roll	18 4018
1	25.4	12.8 - 24	50	1 roll	18 4020
1 1/2	38.1	21 - 39	50	1 roll	18 4022
2	50.8	26 - 49	25	1 roll	18 4024
3	76.2	41 - 79	25	1 roll	18 4026
4	101.6	46 - 98	25	1 roll	18 4028



Design/colour	Width/mm	Length/m	PU	Article no.
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1	Design/colour	Width/mm	Length/m	PU	Article no.
In handy dispensing boxes for trade and industry use, practical transport and storage boxes of coated cardboard, for convenient and dust-free storage even after the package has been opened and for easy rolling off and cutting, ideal for workshops and portable uses.					
2	Nominal ø BEFORE shrinking	Shrink range mm	Length m		
3	Inch mm				
4	1/16 1.6	0.75 up to 1.5	20	1	18 1318
5	3/32 2.4	1.1 up to 1.8	15	1	18 1319
6	1/8 3.2	1.6 up to 2.7	15	1	18 1327
7	3/16 4.8	2.35 up to 4.0	12	1	18 1303
8	1/4 6.4	3.1 up to 5.4	12	1	18 1305
9	3/8 9.6	4.7 up to 8.0	8	1	18 1307
10	1/2 12.7	6.2 up to 11	8	1	18 1311
11	3/4 19	9.3 up to 17	5	1	18 1313
12	1 25.4	12.8 up to 24	5	1	18 1317



In small package, suitable for trade use, containing 1 piece heat shrink tube 1 metre in length.

8	Nominal ø BEFORE shrinking	Shrink range mm	Length m		
9	Inch mm				
10	3/16 4.8	2.35 up to 4.0	1	1	18 1330
11	1/4 6.4	3.1 up to 5.4	1	1	18 1331
12	3/8 9.6	4.7 up to 8.0	1	1	18 1332
13	1/2 12.7	6.2 up to 11	1	1	18 1333
14	3/4 19	9.3 up to 17	1	1	18 1334
15	1 25.4	12.8 up to 24	1	1	18 1335



Thin-walled green-yellow heat shrink tube, shrinkage ratio 2 : 1

Two-coloured, lengthwise striped, thin-walled, flexible electrical shrink tube with shrinkage ratio 2 : 1 (shrinkage capacity down to half the given internal diameter before heat shrinking). Excellently suited for electrical insulation, as bend and abrasion protection, as damp protection for seals, for bundling, for strain relief and for identification in electronics and electrics, telecommunications, cable assembly, in the automotive industry and many other areas. Ideal for marking earth wires.

On dispensing rolls, robust, environmentally friendly cardboard rolls, diameter approx. 300 mm - 550 mm (according to shrink tube size), core hole diameter approx. 30 mm, particularly suited to industrial use.

16	Nominal ø BEFORE shrinking	Shrink range mm	Length m		
17	Inch mm				
18	3/32 2.4	1.2 up to 2.3	200	1 roll	18 4106
19	1/8 3.2	1.7 up to 3.3	200	1 roll	18 4108
20	3/16 4.8	2.2 up to 4.2	200	1 roll	18 4110
21	1/4 6.4	3.2 up to 6.3	100	1 roll	18 4112
22	3/8 9.6	5.2 up to 10.3	100	1 roll	18 4114
23	1/2 12.7	6.2 up to 12.3	100	1 roll	18 4116
24	3/4 19	10.2 up to 21	100	1 roll	18 4118
25	1 25.4	12.8 up to 26	50	1 roll	18 4120
26	1 1/2 38.1	21 up to 41	50	1 roll	18 4122
	2 50.8	26 up to 51	25	1 roll	18 4124
	3 76.2	41 up to 79	25	1 roll	18 4126
	4 101.6	51 up to 98	25	1 roll	18 4128



Design/colour	Width/mm	Length/m	PU	Article no.
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cimco®

Design/colour	Width/mm	Length/m	PU	Article no.
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In handy dispensing boxes for trade and industry use, practical transport and storage boxes of coated cardboard, for convenient and dust-free storage even after the package has been opened and for easy rolling off and cutting, ideal for workshops and portable uses.

Nominal ø BEFORE shrinking	Shrink range mm	Length m		
Inch mm				
3/32 2.4	1.2 up to 2.3	15	1	18 4136
1/8 3.2	1.7 up to 3.3	15	1	18 4138
3/16 4.8	2.2 up to 4.2	12	1	18 4140
1/4 6.4	3.2 up to 6.3	12	1	18 4142
3/8 9.6	5.2 up to 10.3	8	1	18 4144
1/2 12.7	6.2 up to 12.3	8	1	18 4146
3/4 19	10.2 up to 21	5	1	18 4148
1 25.4	12.8 up to 26	5	1	18 4150



Medium-walled black heat shrink tube,

shrinkage ratio 3 : 1

halogen-free, medium-walled, yet flexible standard electrical shrink tube with shrinkage ratio 3 : 1 (shrinkage capacity down to a third of the given internal diameter before heat shrinking). Excellently suited for electrical insulation, as bend and abrasion protection, as damp protection for seals, for bundling, for strain relief and for identification in electronics and electrics, telecommunications, cable assembly, in the automotive industry, and many other areas. Particularly suitable, thanks to a shrinkage ratio of 3 : 1, for balancing out large differences in diameter in the object to be shrink-wrapped, e. g. markedly contoured parts such as connection sleeves, plugs and switches, as well as for covering a wide range of applications with few shrink tube sizes.

On dispensing rolls, robust, environmentally friendly cardboard rolls, diameter approx. 300 mm - 550 mm (according to shrink tube size), core hole diameter approx. 30 mm, particularly suited to industrial use.

Nominal ø BEFORE shrinking	Shrink range mm	Length m		
Inch mm				
1/16 1.6	0.7 up to 1.3	200	1 roll	18 4204
1/8 3.2	1.2 up to 2.6	200	1 roll	18 4206
1/4 6.4	2.2 up to 5.6	100	1 roll	18 4208
3/8 9.6	3.2 up to 8.6	50	1 roll	18 4210
1/2 12.7	4.2 up to 11.6	50	1 roll	18 4212
3/4 19	6.3 up to 17.5	50	1 roll	18 4214
1 25.4	8.3 up to 23	25	1 roll	18 4216



Heat shrink tube in 1 metre sections

1 1/2	38.1	14 up to 37	1	1	18 4218
2	50.8	17 up to 47	1	1	18 4220
3	76.2	27 up to 77	1	1	18 4222
4	101.6	35 up to 95	1	1	18 4224



In handy dispensing boxes for trade and industry use, practical transport and storage boxes of coated cardboard, for convenient and dust-free storage even after the package has been opened and for easy rolling off and cutting, ideal for workshops and portable uses.

Nominal ø BEFORE shrinking	Shrink range mm	Length m		
Inch mm				
1/16 1.6	0.7 up to 1.3	17	1	18 4234
1/8 3.2	1.2 up to 2.6	15	1	18 4236
1/4 6.4	2.2 up to 5.6	5	1	18 4238
3/8 9.6	3.2 up to 8.6	8	1	18 4240
1/2 12.7	4.2 up to 11.6	6	1	18 4242
3/4 19	6.3 up to 17.5	4	1	18 4244
1 25.4	8.3 up to 23	3	1	18 4246



Design/colour	Width/mm	Length/m	PU	Article no.
cimco®				

Design/colour	Width/mm	Length/m	PU	Article no.
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Medium-walled black heat shrink tube, shrinkage ratio 3 : 1, lined with adhesive

halogen-free, medium-walled, yet very flexible standard electrical shrink tube with shrinkage ratio 3 : 1 (shrinkage capacity down to one third of the internal diameter before heat shrinkage). Thanks to outstanding mechanical stability and chemical resistance, this tube is very suitable for electrical insulation, as bend and abrasion protection, as damp protection for seals, for bundling, for strain relief and for identification in electronics and electrics, telecommunications, cable assembly, in the automotive industry and many other areas. Particularly suitable, thanks to shrinkage ratio 3:1, for balancing out large differences in diameter in the object to be shrink wrapped, e. g. markedly contoured parts such as connection sleeves, plugs and switches, and also for covering a wide range of applications with few shrink tube sizes. Excellent sealing properties thanks to the inner lining of special hot melt adhesive, providing outstanding protection against water and moisture penetration.

The melting temperature of the hot melt adhesive is at approx. +70 °C to +80 °C.

Dispensing rolls, robust, environmentally friendly cardboard rolls, diameter approx. 300 mm - 550 mm (according to size of shrink tube), core hole diameter approx. 30 mm, particularly suitable for industrial use.

Nominal ø BEFORE shrinking	Shrink range mm	Length m			
Inch	mm				
1/8	3.2	1.0 up to 3.1	200	1 roll	18 4306
1/4	6.4	2.4 up to 6.4	100	1 roll	18 4308

Heat shrink tube in 1.22 metre sections

3/8	9.6	3.4 up to 9.4	1.22	1	18 4310
1/2	12.7	4.4 up to 12.5	1.22	1	18 4312
3/4	19	6.5 up to 18.8	1.22	1	18 4314
1	25.4	8.8 up to 25	1,22	1	18 4316
1 1/2	38.1	14.0 up to 39	1,22	1	18 4318
2	50.8	17.5 up to 49	1.22	1	18 4320

Hot air blower range

robust, tried and tested "Made in Germany" device for all standard hot air applications up to max. 500 °C, e. g. unthawed water pipes, heat shrinking, drying and removing paint, shaping plastic, soft-soldering, etc. With 2 heat settings: Setting 1 up to 300 °C and 240 litres/min. air flow, setting 2 up to 500 °C and 500 litres/min. air flow, wattage 1600 W, 230 – 240 volt, 50 Hz, with strong rubber connecting lead, double overheating protection, suitable for hand-held and for stand use. Weight 700 g

Delivery includes 2 push-on nozzles: reflector nozzle (for all-round even heat for soft soldering of thin copper pipes, for heat shrinking of shrink tubes and shaping PVC tubes), soldering reflector nozzle (for simultaneous soldering and shrinking of soldering sleeves).

240 x 200 mm 1 18 1351



Design/colour	Width/mm	Length/m	PU	Article no.
cimco®				

Technical data heat shrink sleeves

Nominal size	Internal diameter				Wall thickness				Application area	
	BEFORE shrinking		AFTER shrinking		BEFORE shrinking		AFTER shrinking			
	D mm	Tolerance +/- mm	d mm	Tolerance +/- mm	mm	Tolerance +/- mm	mm	Ø mm		
Heat shrink tube, thin-walled, black, shrinkage rate 2 : 1										
3/64	1.2	1.0	0.2	0.50	0.13	0.05	0.22	0.05	0.6 up to 0.8	
1/16	1.6	1.5	0.3	0.65	0.18	0.05	0.25	0.05	0.75 up to 0.9	
3/32	2.4	2.5	0.3	1.00	0.18	0.05	0.35	0.05	1.1 up to 1.8	
1/8	3.2	3.5	0.4	1.50	0.20	0.05	0.40	0.05	1.6 up to 2.7	
3/16	4.8	5.0	0.4	2.25	0.23	0.08	0.50	0.08	2.35 up to 4.0	
1/4	6.4	6.5	0.4	3.00	0.28	0.08	0.55	0.08	3.1 up to 5.4	
3/8	9.6	9.5	0.5	4.50	0.30	0.08	0.60	0.08	4.7 up to 8.0	
1/2	12.7	12.5	0.5	6.00	0.30	0.08	0.60	0.08	6.2 up to 11	
3/4	19.0	19.0	0.7	9.00	0.40	0.15	0.80	0.15	9.3 up to 17	
1	25.4	25.6	0.7	12.5	0.45	0.15	0.90	0.15	12.8 up to 24	
1 1/2	38.1	41.5	0.7	20.0	0.50	0.15	1.0	0.15	21 up to 39	
2	50.8	51.5	0.7	25.0	0.50	0.15	1.0	0.15	26 up to 49	
3	76.2	80.0	1.0	40.0	0.55	0.20	1.8	0.15	41 up to 79	
4	101.6	100.0	1.0	50.0	0.70	0.20	2.2	0.15	46 up to 98	
Heat-shrink tube, thin-walled, green-yellow, shrink rate 2 : 1										
3/32	2.4	2.5	0.2	1.00	0.20	0.05	0.40	0.05	1.2 up to 2.3	
1/8	3.2	3.5	0.3	1.50	0.25	0.05	0.40	0.05	1.7 up to 3.3	
3/16	4.8	4.5	0.3	2.00	0.25	0.05	0.44	0.05	2.2 up to 4.2	
1/4	6.4	6.5	0.3	3.00	0.25	0.05	0.55	0.08	3.2 up to 6.3	
3/8	9.6	10.7	0.4	5.00	0.30	0.08	0.60	0.08	5.2 up to 10.3	
1/2	12.7	12.5	0.4	6.00	0.30	0.08	0.65	0.08	6.2 up to 12.3	
3/4	19.0	21.4	0.5	10.0	0.40	0.15	0.82	0.15	10.2 up to 21	
1	25.4	26.5	0.8	12.5	0.40	0.15	1.0	0.15	12.8 up to 26	
1 1/2	38.1	41.5	1.0	20.0	0.50	0.15	1.2	0.15	21 up to 41	
2	50.8	51.5	1.0	25.0	0.50	0.15	1.2	0.15	26 up to 51	
3	76.2	80.0	1.0	40.0	0.60	0.15	1.7	0.15	41 up to 79	
4	101.6	100.0	1.0	50.0	0.70	0.15	2.1	0.15	51 up to 98	
Heat shrink tube, medium walled, shrinkage ratio 3 : 1										
1/16	1.6	1.5	0.3	0.5		0.50	0.10	0.7 up to 1,3		
1/8	3.2	3.0	0.3	1.0		0.65	0.10	1.2 up to 2.6		
1/4	6.4	6.0	0.4	2.0		0.75	0.10	2.2 up to 5.6		
3/8	9.6	9.0	0.4	3.0		0.95	0.15	3.2 up to 8.6		
1/2	12.7	12.0	0.4	4.0		1.10	0.15	4.2 up to 11.6		
3/4	19.0	18.0	0.5	6.0		1.25	0.15	6.3 up to 17.5		
1	25.4	24.0	0.5	8.0		1.50	0.20	8.3 up to 23		
1 1/2	38.1	39.0	0.7	13.0		1.90	0.20	14 up to 37		
2	50.8	50.0	0.7	16.0		2.50	0.20	17 up to 47		
3	76.2	80.0	1.0	26.0		2.8	0.20	27 up to 77		
4	101.6	100.0	1.03	3.0		3.0	0.20	35 up to 95		
Heat shrink tube, medium walled, black, shrinkage ratio 3 : 1, with adhesive lining										
1/16	1.6	1.5	0.3	0.5		0.50	0.10	0.7 up to 1,3		
1/8	3.2	3.0	0.3	1.0		0.65	0.10	1.2 up to 2.6		
1/4	6.4	6.0	0.4	2.0		0.75	0.10	2.2 up to 5.6		
3/8	9.6	9.0	0.4	3.0		0.95	0.15	3.2 up to 8.6		
1/2	12.7	12.0	0.4	4.0		1.10	0.15	4.2 up to 11.6		
3/4	19.0	18.0	0.5	6.0		1.25	0.15	6.3 up to 17.5		
1	25.4	24.0	0.5	8.0		1.50	0.20	8.3 up to 23		
1/8	3.2	3.5	0.3	1.0		0.95	0.35	1.0 up to 3.1		
1/4	6.4	6.8	0.4	2.2		1.2	0.60	2.4 up to 6.4		
3/8	9.6	9.9	0.4	3.2		1.4	0.65	3.4 up to 9.4		
1/2	12.7	13.2	0.5	4.2		1.6	0.75	4.4 up to 12.5		
3/4	19.0	19.6	0.5	6.3		2.0	0.90	6.5 up to 18.8		
1	25.4	25.4	0.8	8.5		2.1	0.90	8.8 up to 25		
1 1/2	38.1	40.0	0.8	13.5		2.4	1.05	14.0 up to 39		
2	50.8	51.5	0.8	17.0		2.7	1.20	17.5 up to 49		

Design/colour

Width/mm

Length/m

PU

Article no.

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Technical appendix

Safety tools

Insulated safety tools and insulated protective equipment have been developed for use during work on live parts. Their use should not, however, be a "blank cheque" for the user; rather applicable regulations (including accident prevention regulations, VBG, DIN, VDE and others) must always be observed and followed. Upon request we will gladly send you specifics and additional informational material.



Insulated hand tools, tested and VDE-certified according to European standard EN 60900 or VDE specification 0682, part 201. Valid from 01.01.2005.



Insulated hand tools tested according to European standard EN 60900 or VDE specification 0682, part 201.

Description of the symbols



Energised work



VDE/GS tested



Cutting edge hardness in HRC



Grip surfaces serrated



Grip surfaces diagonally serrated



With cutting bevel



With slight cutting bevel



Single joint



Lap joint



Box joint



Flat nose pliers



Flat-round pliers



Round nose pliers



Wire type soft



Wire type medium-hard



Wire type hard



Wire type piano



Wire type rope



Wire type Cu cable

Functional description of the wire strippers



- Set the adjusting screw to the desired conductor cross section to be stripped by turning it (left / right).
- Secure the adjusting screw using the counter nut.
- Insert the cable.
- Close the pliers by pressing them and remove the plastic sheathing.

Circlip pliers

Shape	Size mm for circlips						
A 3	3 - 10	B 3	3 - 10	C 3	3 - 10	D 3	3 - 10
A 10	10 - 25	B 10	10 - 25	C 10	10 - 25	D 10	10 - 25
A 19	19 - 60	B 19	19 - 60	C 19	19 - 60	D 19	19 - 60
A 40	40 - 100	B 40	40 - 100	C 40	40 - 100	D 40	40 - 100
A 85	85 - 165	B 85	85 - 165	C 85	85 - 165	D 85	85 - 165

Shape A and B for external circlips



Shape C and D for internal circlips



Classification of Cimco screwing tools according to thread ø mm

Pozidriv crosshead		Phillips crosshead		Torx	
Thread ø mm	Tool receptacle	Thread ø mm	Tool receptacle	Thread ø mm	Thread receptacle
2.5 - 3.0	Size 1	2.0 - 3.0	Size 0	3.0 - 3.5	T 10
3.5 - 5.0	Size 2	2.5 - 3.0	Size 1	4.0 - 4.5	T 20
6.0	Size 3	3.5 - 4.8	Size 2	5.0 - 6.0	T 25
		5.5 - 7.0	Size 3		

Woodscrews DIN 96

Thread ø mm	Tool receptacle
3	6.0 x 0.8
3.5	7.0 x 0.8
4	8.0 x 1.0
4.5	9.0 x 1.0
5	10.0 x 1.2
6	12.0 x 1.6

Cylinder head screws DIN 84

Thread ø mm	Tool receptacle
M 3	5.5 x 0.8
M 4	7.0 x 1.2
M 5	8.5 x 1.2
M 6	10.0 x 1.6
M 8	13.0 x 2.0

Machine hex screws DIN

Thread ø mm	Tool receptacle	Thread ø mm	Tool receptacle
2.5	Size 5	12.0	Size 19
3.0	Size 5.5	14.0	Size 22
4.0	Size 7	16.0	Size 24
5.0	Size 8	20.0	Size 30
6.0	Size 10	24.0	Size 36
8.0	Size 13	30.0	Size 46
10.0			

Weights

1 ounce	28.349 g
1 pound (lb)	0.454 kg
1 engl. ton	1.016 t
1 am. ton	0.907 t
1 kp	10 Newton

Units of length

1 inch	25.4 mm
1 foot	0.3048 m
1 yard	0.914 m
1 mile	1.609 km

Parameters for installing straddling dowels

Dowel ø mm	Dowel length mm	Hole depth mm	Drill ø mm	Screw ø mm
5	25	35	5	2.5 - 4
6	30	40	6	3.5 - 5
8	40	55	8	4.5 - 6
10	50	70	10	6 - 8
12	60	75	12	8 - 10
14	70	85	14	10 - 12
16	80	95	16	12 - 14
20	90	110	20	16

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CIMCO order no.	Catalogue p.	With hammer	Receptacle			Granite	Concrete	Armoured concrete	Clinker brick	Masonry e.g. lime sand brick	Tiles	Marble	Natural stone	Material					
			Standard	Hex	SDS									Artificial stone e.g. aerated concrete	Hard wood	Soft wood	Plastic	Drywall e.g. Rigips	Aluminium
Diamond core drill	20 7380 ff	112	no	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
Hammer drill	20 7311 ff	104	yes	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
T.C.T. hole saw	20 7714 ff	112	no	X	X									X	X	X	X	X	
HSS bi-metal hole saw	20 7414 ff	110	no		X										X	X	X	X	
Step drill	20 1200 ff	104	no	X											X	X	X	X	X
Sheet taper drill	20 1280 ff	105	no	X											X	X	X	X	X
Twist drill	20 0314 ff	100	no	X											X	X	X	X	X
Stone and concrete drill	20 1600 ff	101	yes	X											X	X	X	X	X
Hammer drill	20 8100 ff	103	yes		X		X	X	X	X	X								
Multi-purpose drill	20 1880 ff	103	no	X											X	X	X	X	X
Cased drill	20 6306 ff	90	no	X											X	X	X	X	

Keyword: new dimensions in electrical installation.

The European standard DIN EN 50262 "Cable Glands for Electrical Installations" has been valid since 1 January 2000 thus abolishing the PG system common in Germany. Electrical installation tubes, screwed cable glands, sockets, housings and cabinets are affected.

The change provides advantages to the user:

-10 PG sizes are replaced with 8 metric sizes

- With each metric size a sealing area is achieved that is approx. 20% larger than with the PG size

- The outer thread diameter can be derived directly from the type designation (example: M16 = 16 mm outer diameter)

During the transition period, both systems are available simultaneously (for replacement and repair installations). CIMCO recommends having both types of step drills, thread cutters and screw punches on hand.

Recommended installation bores for screwed cable glands (PG and metric)

PG Thread	Thread ø mm	Required installation bore mm Through hole	Core hole	Metric Thread	Required installation bore mm Through hole	Core hole
Pg 7	12.5	13	11.5	M 12 x 1.5	12.5	10.5
Pg 9	15.2	15.7	14	M 16 x 1.5	16.5	14.5
Pg 11	18.6	19	17.4	M 20 x 1.5	20.5	18.5
Pg 13.5	20.4	21	19	M 25 x 1.5	25.5	23.5
Pg 16	22.5	23	21.25	M 32 x 1.5	32.5	30.5
Pg 21	28.3	28.8	27	M 40 x 1.5	40.5	38.5
Pg 29	37.0	37.5	35.5	M 50 x 1.5	50.5	48.5
Pg 36	47.0	47.5	45.5	M 63 x 1.5	63.5	61.5
Pg 42	54.0	54.5	52.5			
Pg 48	59.0	59.8	58			

Working guide values with good lubrication

Recommended revolutions per min. (rpm). For bore diameters not specified, select corresponding speed. Cutting performance and durability are significantly increased by good lubrication (CIMCO boring lubricant no. 20 1307) and by abiding by the recommended speeds.

Step drill

ø mm	PG dimension	Alloyed steel	Unalloyed steel	Non-ferrous metals	Plastic plywood
12.5	7	360	650	1200	2900
15.2	9	300	540	960	2400
18.6	11	250	450	800	2000
20.4	13.5	230	400	720	1800
22.5	16	200	370	650	1650
28.3	21	165	300	520	1300
37.0	29	125	215	400	1000

Sheet taper drill

ø mm	Alloyed steel	Unalloyed steel	Non-ferrous metals	Plastic plywood
3-14	600-400	800-500	2000-1500	3000-2000
6-20	500-200	700-400	1800-1000	2500-1500
16-30	200-100	400-200	1000- 500	1500-1000
25-40	100- 80	300-150	500- 300	1000- 500
36-52	80- 50	200-100	300- 200	600- 200

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HSS bi-metal hole saw

ø mm	Soft steel	VA- steel	Cast steel	Brass	Alumi- nium	ø mm	Soft steel	VA- steel	Cast steel	Brass	Alumi- nium
14	550	300	400	790	900	60	140	70	95	190	220
16	530	275	365	730	825	64	135	70	90	180	205
17	500	250	330	665	750	65	130	65	85	175	200
19	460	230	300	600	690	67	130	65	85	170	195
21	425	210	280	560	630	70	125	60	80	160	185
22	390	195	260	520	585	73	120	60	80	160	180
24	370	185	245	495	555	76	115	55	75	150	170
25	350	175	235	470	525	79	119	55	70	145	165
27	325	160	215	435	480	83	105	50	70	140	155
29	300	150	200	400	450	86	100	50	65	130	150
30	285	145	190	380	425	89	95	45	65	125	145
32	275	140	180	360	410	92	95	45	60	120	140
33	260	135	175	345	390	95	90	45	60	120	135
35	250	125	165	330	375	98	90	45	60	115	130
37	240	120	160	315	360	102	85	40	55	115	125
38	230	115	150	300	345	105	85	40	55	110	120
40	220	110	145	290	330	108	80	40	55	110	115
41	210	105	140	280	315	111	80	40	50	100	110
43	205	100	135	270	305	114	75	35	50	100	105
44	195	95	130	260	295	121	70	35	45	90	95
46	190	95	125	250	285	127	65	30	40	85	90
48	180	90	120	240	270	140	60	30	35	80	85
51	170	85	115	230	255	146	55	25	35	75	80
52	165	80	110	220	245	152	55	25	35	75	80
54	160	80	105	210	240						
57	150	75	100	200	230						
59	145	75	100	195	225						

Measuring categories CAT I to CAT IV

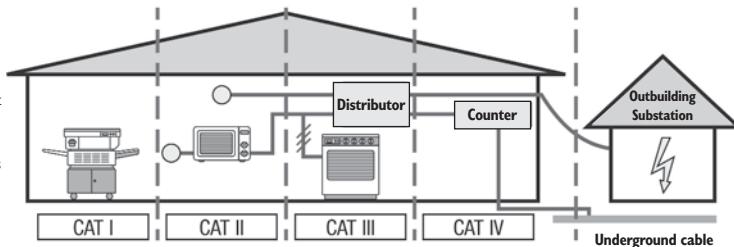
The IEC/EN 61010-1 standard subdivides electric circuits into measuring categories CAT I to CAT IV so that measuring devices can be designed for the widely varying installation and application purposes. The measuring categories indicate in which application areas a measuring device can be safely used. The protection of a measuring device from a transient (=short-term, temporary) overvoltage is determined by the specification of the measurement category (overvoltage category) and the working voltage (nominal current to ground) e.g. CAT IV 600 V, CAT III 1,000 V.

The IEC/EN 61010-1 standard subdivides measuring electric circuits into the following measuring categories:

- CAT I: for measurements on electric circuits that are **not** directly connected to the mains.
- CAT II: for measurements on electric circuits that are **directly** connected to the mains.
- CAT III: for measurements in **building installations**.
- CAT IV: for measurements at the **source of the low-voltage installation**.

Measuring Categories CAT I to CAT IV

CAT I	Valid for measurements on electric circuits that are not directly connected to the mains (e.g. specially protected devices)
CAT II	Valid for measurements on electric circuits that are directly electrically connected to the low-voltage mains (e.g. household appliances)
CAT III	Valid for measurements in building installations
CAT IV	Valid for measurements at the source of the low-voltage installation (e.g. counter, main connection, primary overcurrent protectors)



- The specification of the measurement category and the maximum nominal voltage determine the protection of the measuring device vis-à-vis transient (temporary) overvoltage.
- Transient (temporary) overvoltages can occur due to a lightning strike in the distribution network or due to the switching on/off of large loads.
- The following basic principle applies: the higher the measurement category and the higher the nominal voltage, the higher the protection of the measuring device vis-à-vis transient (temporary) overvoltage.
- Protection against transient (temporary) overvoltage to 8 kV

Data sheet for LED lamps

Designation	Art. no.	Output	Luminous flux	Protection class	Light angle	Operation	Operating time	Luminous colour
LED torches 500.01	11 1530	1 W	100 Lm	IP 67	6°	2 x LR06	10 hrs	4,500 K
LED torches 500.02	11 1532	1 W	100 Lm	IP 67	6°	2 x LR06	7 hrs	4,500 K
LED torches 500.01-4500F	11 1534	1.2 W	180 Lm	IP 64	15 - 75°	3 x AAA	10 hrs	4,500 K
LED head lamp 500.03	11 1536	1 W	100 Lm	IP 64	6°	2 x AA	10 hrs	4,500 K
LED inspection lamps 600.08G	11 1540	0.15 W	5 Lm	IP 67	15°	2 x LR06	150 hrs	5,500 K
LED inspection lamps 500.05G	11 1542	1 W	100 Lm	IP 67	6°	2 x LR06	10 hrs	4,500 K
LED workshop lamps 730.10-4500FG	11 1560	1.2 W	180 Lm	IP 64	15 - 75°	230V/ 3.5V		4,500 K
LED workshop lamps 700.01-4500G	11 1562	6 W	650 Lm	IP 64	25 - 100°	230V/ 24V		4,500 K

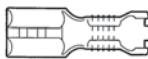
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Protection classes IP...

First no.	Degree of protection: protection against contact and foreign bodies	Second no.	Degree of protection: protection against water
X	No special protection	X	No special protection
1	Protection against ingress of solid particles with a diameter greater than 50 mm	1	Protection against vertically dripping water
2	Protection against ingress of solid particles with a diameter greater than 12.5 mm-	2	Protection against vertically dripping water, equipment tipped up to 15°
3	Protection against ingress of solid particles with a diameter greater than 2.5 mm	3	Protection against spraying water up to an angle of 60° to vertical
4	Protection against ingress of solid particles with a diameter greater than 1 mm	4	Protection against spraying water from all directions
5	Protection against dust (dust-protected). Complete contact protection	5	Protection against spraying water (jets) from all directions
6	Protection against ingress of dust (dust-tight). Complete contact protection	6	Protection against powerful water spray or rough sea
		7	Protection against water immersion under conditions of pressure and time
		8	Protection against water when the equipment is constantly submerged

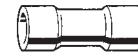
Tool recommendation table

Non-insulated blade terminal connectors, DIN 46244 ff, 2.8 - 4.8 - 6.3 mm terminal width



Cross section mm ²	Art. no.	Crimp shape	Catalogue page
0.5 - 6	10 6136	Roll crimp	210
0.5 - 6	10 6000	Roll crimp	205
0.5 - 6	10 6112	Roll crimp	206
0.5 - 6	10 6150	Roll crimp	207
0.5 - 6	10 4220	Roll crimp	207
0.5 - 6	10 4208	Roll crimp	210
0.5 - 6	10 4250	Roll crimp	218
0.5 - 6	10 4254	Roll crimp	218

Insulated connection materials



Cross section mm ²	Art. no.	Crimp shape	Catalogue page
0.5 - 6	10 1892	Oval crimp	210
0.5 - 6	10 1900	Oval crimp	210
0.5 - 6	10 6144	Oval crimp, asymmetric	210
0.5 - 6	10 1916	Oval crimp, symmetric	210
0.5 - 6	10 6000	Oval crimp, symmetric	205
0.5 - 6	10 6112	Oval crimp	206
0.5 - 6	10 6150	Oval crimp	207
0.5 - 6	10 4220	Oval crimp	207
10 - 16	10 1918	Oval crimp	210
0.5 - 6	10 4206	Oval crimp	210
6 - 16	10 4208	Oval crimp	210
0.5 - 6	10 4250	Oval crimp	218
0.5 - 6	10 4254	Oval crimp	218

All compression cable lugs and connectors



Cross section mm ²	Art. no.	Crimp shape	Catalogue page
10 - 185	10 1867	Hex crimp	212
10 - 240	10 1868	Hex crimp	212
10 - 185	10 5498	Hex crimp	212
10 - 240	10 5501	Hex crimp	213
16 - 300	10 5502	Hex crimp	213
16 - 300	10 5504	Hex crimp	214
10 - 185	10 5698	Hex crimp	216
10 - 240	10 5701	Hex crimp	217
16 - 300	10 5702	Hex crimp	217
16 - 300	10 5704	Hex crimp	218

Cable end sleeves



Cross section mm ²	Art. no.	Crimp shape	Catalogue page
0.5 - 2.5	10 1906	Indent crimp	209
1.5 - 6	10 1907	Indent crimp	209
0.25 - 2.5	10 1911	Trapezoid crimp	209
0.5 - 16	10 1904	Indent crimp	209
10 - 35	10 1905	Indent crimp	209
0.5 - 16	10 6120	Trapezoid crimp	209
16 - 35	10 6140	Trapezoid crimp	209
25 + 50	10 6142	Trapezoid crimp	209
6 - 16	10 1946	Trapezoid crimp	209
0.14 - 6	10 1940	Square crimp	209
0.08 - 10	10 1925	Square crimp	209
0.5 - 2.5	10 0725	Trapezoid crimp	209
0.5 - 35	10 6000	Trapezoid crimp	205
0.5 - 50	10 6112	Trapezoid crimp	206
0.5 - 50	10 6150	Trapezoid crimp	207
0.14 - 10	10 4220	Trapezoid crimp	207
10 - 50	10 4200	Trapezoid crimp	210
50 - 95	10 4202	Trapezoid crimp	210
0.14 - 6	10 4190	Trapezoid crimp	210
10 - 16	10 4192	Trapezoid crimp	210
0.08 - 10	10 4194	Square crimp	210
2.5 - 16	10 4196	Square crimp	210
10 - 95	10 1867	Trapezoid crimp	212
10 - 150	10 1868	Trapezoid crimp	212
10 - 95	10 5498	Trapezoid crimp	212
10 - 150	10 5501	Trapezoid crimp	213
16 - 185	10 5502	Trapezoid crimp	213
16 - 185	10 5504	Trapezoid crimp	214
10 - 95	10 5698	Trapezoid crimp	216
10 - 150	10 5701	Trapezoid crimp	217
16 - 185	10 5702	Trapezoid crimp	217
16 - 185	10 5704	Trapezoid crimp	218
0.14 - 10	10 4250	Trapezoid crimp	218
0.14 - 10	10 4254	Trapezoid crimp	218

Technical appendix

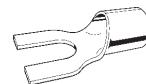
Tubular cable lugs and connectors "Standard design"

R

Cross section mm ²	Art. no.	Crimp shape	Catalogue page
0.75 - 16	10 1902	Notch crimp	211
6 - 50	10 1870	Notch crimp	211
50 - 120	10 1872	Notch crimp	211
120 - 240	10 1874	Notch crimp	211
6 - 50	10 1882	Hex crimp	211
10 - 120	10 1880	Hex crimp	211
16 - 95	10 1884	Hex crimp	211
25 - 150	10 1885	Hex crimp	211
0.5 - 16	10 4204	Notch crimp	211
6 - 185	10 1867	Hex crimp	212
6 - 300	10 1868	Hex crimp	212
6 - 185	10 5498	Hex crimp	212
6 - 300	10 5501	Hex crimp	213
10 - 400	10 5502	Hex crimp	213
10 - 400	10 5504	Hex crimp	214
6 - 185	10 5698	Hex crimp	216
6 - 300	10 5701	Hex crimp	217
10 - 400	10 5702	Hex crimp	217
10 - 400	10 5704	Hex crimp	218

Non-insulated crimping cable lugs (ring, fork and pin-type)

Q



Cross section mm ²	Art. no.	Crimp shape	Catalogue page
1.5 - 10	10 6134	Indent crimp	211
0.5 - 16	10 1909	Indent crimp	211
10 - 35	10 6146	Indent crimp	211
0.5 - 10	10 6000	Indent crimp	205
0.5 - 10	10 6112	Indent crimp	206
0.5 - 10	10 6150	Indent crimp	207
0.1 - 16	10 4204	Indent crimp	211
10 - 70	10 1867	Indent crimp	212
10 - 70	10 1868	Indent crimp	212
10 - 70	10 5498	Indent crimp	212
10 - 70	10 5501	Indent crimp	213
16 - 150	10 5502	Indent crimp	213
16 - 150	10 5504	Indent crimp	214
10 - 70	10 5698	Indent crimp	216
10 - 70	10 5701	Indent crimp	217
16 - 150	10 5702	Indent crimp	217
16 - 150	10 5704	Indent crimp	218

Tubular cable lugs for finely-stranded conductors

F



Cross section mm ²	Art. no.	Crimp shape	Catalogue page
10 - 70	10 1867	Indent crimp	212
10 - 70	10 1868	Indent crimp	212
10 - 70	10 5498	Indent crimp	212
10 - 70	10 5501	Indent crimp	213
16 - 150	10 5502	Indent crimp	213
16 - 150	10 5504	Indent crimp	214
10 - 70	10 5698	Indent crimp	216
10 - 70	10 5701	Indent crimp	217
16 - 150	10 5702	Indent crimp	217
16 - 150	10 5704	Indent crimp	218

Compression cable lugs and connectors acc. to DIN 46235 / DIN 46267

D



Cross section mm ²	Art. no.	Crimp shape	Catalogue page
6 - 50	10 1883	Hex crimp	211
10 - 120	10 1886	Hex crimp	211
25 - 150	10 1888	Hex crimp	211
6 - 185	10 1867	Hex crimp	212
6 - 300	10 1868	Hex crimp	212
6 - 185	10 5498	Hex crimp	212
6 - 300	10 5501	Hex crimp	213
10 - 300	10 5502	Hex crimp	213
10 - 300	10 5504	Hex crimp	214
6 - 185	10 5698	Hex crimp	216
6 - 300	10 5701	Hex crimp	217
10 - 300	10 5702	Hex crimp	217
10 - 300	10 5704	Hex crimp	218

Round crimp inserts

RU

Cross section mm ²	Art. no.	Crimp shape	Catalogue page
10 - 240	10 1867	Indent crimp	212
10 - 240	10 1868	Indent crimp	212
10 - 240	10 5498	Indent crimp	212
10 - 240	10 5501	Indent crimp	213
10 - 300	10 5502	Indent crimp	213
10 - 300	10 5504	Indent crimp	214
10 - 240	10 5698	Indent crimp	216
10 - 240	10 5701	Indent crimp	217
10 - 300	10 5702	Indent crimp	217
10 - 300	10 5704	Indent crimp	218

Crimping shapes for cable connections



Hex crimp

For crimping Cu tubular cable lugs and connectors, compression cable lugs and connectors DIN 46235/DIN 46267, Al compression cable lugs and connectors.
Application areas: 6 - 1000 mm²



Oval crimp

For crimping insulated tubular cable lugs and connectors, insulated pin-shape cable lugs and insulated cable connectors.
Application areas: 0.1 - 185 mm²



Notching

For notching Cu tubular cable lugs and connectors.
Application areas: 6 - 400 mm²



Indent crimp

For crimping Cu tubular cable lugs and connectors of "standard design".
Application areas: 0.75 - 400 mm²



Trapezoid crimp

For crimping cable end sleeves and twin cable end sleeves.
Application areas: 0.14 - 185 mm²



Indent crimp

For crimping cable end sleeves and twin cable end sleeves.
Application areas: 4 - 95 mm²



Roll crimp

For crimping non-insulated blade terminal connections.
Application area 0.1 - 6 mm²



Round crimp

For sector-shaped conductors 90° and 120°
Application areas: 10 sm - 300 sm,
35 se - 300 se

Technical appendix

	Modular connectors	RJ 14	RJ 10	RJ 11	RJ 12	RJ 45	RJ 45 unshielded	RJ 45 shielded	RJ 45 shielded	BNC/TNC	bre optics	(fibre optic) connector
	Positions	4	4	6	6	8	CIMCO, etc.	HIROSE	Type	Coaxial (RG 58, RG 59 RG 62)	Round crimp	Hex crimp
Order no.	Contacts	2	4	4	6	8						
10 6116	no	no	•	•								
10 6117	no	no			•	•						
10 6211	yes	yes			•	•						
10 6118	no	no					•					
10 6212	yes	yes					•					
10 6110	yes	yes			•	•	•					
10 6200	yes	yes	•	•	•	•	•	•				
10 6201	yes	yes						•				
10 6202	yes	yes							•			
10 6203	yes	yes								•		
10 6138	yes	yes								•		
10 6156	yes	yes									•	
10 6158	yes	yes										•
Set 10 6210	yes	yes			•	•	•		•	•	•	•
Set 10 6009	yes	yes					•	•		•	•	•
10 6016	yes	yes			•	•						
10 6018	yes	yes					•					
10 6019	yes	yes						•				
10 6018	yes	yes							•			
10 6015	yes	yes								•		

bold = crimp profile inserts for click 'n' crimp system; see page 205.

We recommend the following number of crimps for the individual cross sections:

Cross section mm ²	Tubular cable lugs 5 mm crimp insert	Tubular cable lugs wide crimp inserts	Cable lugs DIN 46235 5 mm crimp insert	Cable lugs DIN 46235
6	1	1		
10	1	1		
16	1	1	2	1
25	2	1	2	1
35	2	1	2	1
50	2	1	3	1
70	2	1	3	1
95	2	1	4	2
120	2	1	4	2
150	2	1	4	2
185	2	1	4	2
240	4	2	5	2
300	4	2	2	4
400	4	2	3	4
500	4		3	4
625			3	

Installation notes for cable lugs and connectors:

1. Strip conductor to required insertion length (+10 % due to length change of the crimp sleeve).
 2. The conductor ends must be mechanically cleaned prior to installation.
 3. Insert the conductor into the cable lug or connector to the full insertion length.
 4. While minding the crimp direction, crimp the cable lug or connector with the assigned tool.
- Please use the adjacent drawing to determine the crimping direction for the cable lugs.



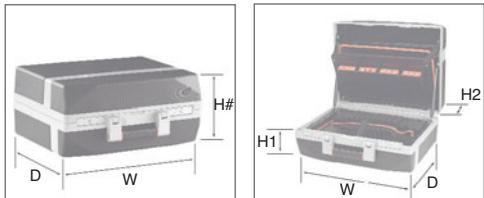
According to DIN VDE 0220 part 2 screws of strength class 8.8 are tightened with the following torques: 1.2.

Thread size	Tightening torque (Nm)	Thread size	Tightening torque (Nm)
M 5	5	M 12	75
M 6	9	M 14	120
M 7	15	M 16	190
M 8	22	M 20	380
M 10	44		

We keep replacement parts available for you for a number of articles. Our sales team will gladly advise you!

Case dimensioning

H# = H1 + H2



cimco®

1

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Technical appendix

MCM	AWG	Outer diameter mm	Outer diameter inch	Cross section mm ²	Comparable metric cross section
0.0025	46	0.04	0.0016	0.00126	
0.0039	44	0.05	0.0020	0.00196	
0.0076	41	0.07	0.0028	0.00385	
0.0097	40	0.079	0.0031	0.00490	
0.0123	39	0.089	0.0035	0.00622	
0.0161	38	0.102	0.0040	0.00817	
0.0201	37	0.114	0.0045	0.0102	
0.0250	36	0.127	0.0050	0.013	
0.0313	35	0.142	0.0056	0.016	
0.0397	34	0.16	0.0063	0.020	
0.0502	33	0.18	0.0071	0.025	
0.0639	32	0.203	0.0080	0.032	
0.0792	31	0.226	0.0089	0.040	
0.100	30	0.254	0.0100	0.051	0.05
0.128	29	0.287	0.0113	0.065	
0.159	28	0.32	0.0126	0.080	0.08
0.204	27	0.363	0.0143	0.103	0.1
0.253	26	0.404	0.0159	0.128	0.14
0.321	25	0.455	0.0179	0.163	
0.405	24	0.511	0.0201	0.205	0.2
0.511	23	0.574	0.0226	0.259	0.25
0.641	22	0.643	0.0253	0.325	0.34
0.812	21	0.724	0.0285	0.412	0.38
1.02	20	0.813	0.032	0.519	0.5
1.29	19	0.912	0.036	0.653	
1.63	18	1,024	0.040	0.824	0.75
2.05	17	1,151	0.045	1,040	1
2.58	16	1.29	0.051	1,307	
3.26	15	1.45	0.057	1,651	1.5
4.11	14	1,628	0.064	2,082	
5.19	13	1,829	0.072	2,627	2.5
6.53	12	2,052	0.081	3.31	
8.2	11	2,304	0.091	4.17	4
10.4	10	2,588	0.102	5.26	
13.1	9	2,906	0.114	6.63	6
16.6	8	3,268	0.128	8.39	
20.8	7	3,665	0.144	10.5	10
26.2	6	4.12	0.162	13.3	
33.1	5	4.62	0.182	16.8	16
41.7	4	5.19	0.204	21.1	
52.6	3	5.83	0.229	26.7	25
66.4	2	6.54	0.257	33.6	35
83.7	1	7.35	0.289	42.4	
105	0 or 1/0	8.25	0.324	53.5	50
133	00 or 2/0	9.27	0.364	67.4	70
167	000 or 3/0	10.4	0.41	85.0	95
211	0000 or 4/0	11.7	0.46	107.2	
250		14.6	0.57	127	120
300		16.0	0.63	152	150
350		17.3	0.68	177	185
400		18.9	0.74	203	
500		19.7	0.78	253	240
600		20.7	0.81	304	300
700		21.3	0.84	355	
750		22.0	0.87	380	
800		22.7	0.89	405	400
900		24.1	0.95	456	
1000		25.4	1.00	507	500
1250		28.4	1.12	633	625
1500		31.1	1.22	760	800
1750		33.6	1.32	887	
2000		35.9	1.41	1013	1000

The given values refer to single-wire solid conductors. For multi-stranded conductors the values are approximate.

MCM = 1000 circular mils; 1 circular mil = 0.0005067 mm²

AWG = American wire gauge

Terms of sale and delivery – Status as of January 2012

I. General Provisions

- Mutual written declarations are decisive for the scope of the deliveries or performances (hereinafter: deliveries). However, the buyer's general terms and conditions of business only apply if the supplier or performance provider (hereinafter: supplier) has expressly agreed to them in writing. Oral agreements must be confirmed in writing to be valid. Offers carry no obligation prior to our written order confirmation.
- The supplier reserves without restriction its property rights and its exploitation rights arising from copyright for cost estimates, drawings and other documents (hereinafter: documents). The documents may only be made available to third parties with the prior consent of the supplier and, if the order is not granted to the supplier, the documents must be returned to the supplier upon request without undue delay. Sentences 1 and 2 apply correspondingly for the buyer's documents; these may, however, be made available to third parties which the supplier has permissibly commissioned for the deliveries.
- Partial deliveries are permissible provided they are reasonable for the buyer.
- Specifications of dimensions, weights and other characteristics of the goods are approximate values and are subject to the tolerances common in the field. The specifications do not indicate warranted characteristics in the legal sense provided they are not expressly designated as such. The products are described exclusively in our catalogue.

II. Prices and Payment Conditions

- The prices listed are ex works and do not include packaging, shipping costs and transport insurance, nor do they include the legally applicable VAT.
- The supplier's pecuniary claim is due 10 days after receipt of invoice.
- For payments made within 10 days of the invoice date a 3% discount is granted. For payments made within 30 days of the invoice date a 2% discount is granted. All invoices are payable in full within 60 days of the invoice date.
- Payments shall be made free of all transfer charges to the supplier's account.
- The buyer can only settle with claims that are uncontested or legally effective.
- If payment is made late, the supplier has the right to calculate interest for delay in accordance with currently valid legislation.

III. Shipping terms; Returns

- Shipping occurs ex works and with no guarantee of the cheapest type of shipping, provided no specific agreement has been reached. Orders of more than €500 are shipped free of charge; orders of less than €50 are shipped ex works plus a €10 handling charge. Export shipments above a net goods value of €250 are made free to the German border or F.O.B. at a German sea port.
- Returning goods requires the consent of the supplier, provided this is not a matter of justified claims. If the buyer returns goods without the express consent of the supplier, and provided the reason for this is not a defective delivery, then the supplier shall charge a processing fee of 15% of the net goods value at current purchasing prices. The right to demand contractual fulfillment and acceptance of the goods, including reimbursement of the added costs incurred by the supplier due to the return, remains unaffected hereby. Returns of damaged and discontinued goods are never accepted.

IV. Retention of Title

- The objects of the deliveries (retained goods) remain the property of the supplier until all of the supplier's claims against the buyer that have arisen from the business transaction have been fulfilled. Insofar as the value of all security interests to which the supplier is entitled exceeds the value of all secured claims by more than 20%, the supplier shall release part of the security interests upon request by the buyer.
- While the retention of title is in effect, the buyer does not have the right to pledge the goods or transfer them by way of security. During this time, only resellers may resell the goods in the usual course of business and only under the condition that the reseller receives payment from its customer or, if the reseller stipulates that title to the goods is transferred to its customer, only after the customer has fulfilled its payment obligations.
- a) If the buyer sells the retained goods, then the buyer transfers as security the future claims on its customer that arise from the resell, including all ancillary rights such as balance claims. This transfer takes effect with no special subsequent explanations. If the retained goods are resold together with other objects without an agreement on individual prices, then the buyer transfers to the supplier, with priority over the remaining claim, that part of the total price claim which corresponds to the price of the retained goods set by the supplier in its invoice.
b) During substantiation of a justified interest, the buyer must provide the supplier with the customer information required to satisfy the supplier's claims against the customer and the buyer must hand over the required documents.
c) Until revocation, the buyer is authorised to collect the transferred claims from the resell. If an important reason exists, in particular delayed payment, stoppage of payment, entry into insolvency proceedings, protest of a bill or justified suspicion of over-indebtedness or pending inability to pay on the part of the buyer, the supplier has the right to revoke the buyer's authorisation to collect. Furthermore, the supplier can, after giving prior warning with a reasonable grace period, disclose the assignment for security, realise the transferred claims and demand that the buyer disclose the assignment for security to the customer.
- a) The buyer is permitted to process the retained good or to mix it or connect it with other objects. The processing, mixing or connecting (hereinafter: processing) is carried out for the supplier. The buyer shall keep the new thing for the supplier and afford it the care that a proper salesman does.
The new thing counts as a retained good.
b) If processing is carried out with other objects which do not belong to the supplier, the supplier is entitled to a share of the ownership of the new thing which corresponds to the ratio of the value of the processed, mixed or connected (hereinafter: processed) retained good to the value of the rest of the processed good at the time of processing. If the buyer acquires individual ownership of the new thing, the supplier and the buyer agree that the buyer grants to the supplier a share of the ownership of the new thing created by the processing corresponding to a ratio of the value of the processed retained good to the value of the rest of the processed good at the time of processing.
c) If the new thing is sold, the buyer transfers herewith to the supplier as security its claim against the customer from the re-sell, including all ancillary rights. This transfer takes effect with no special subsequent explanations. The transfer only applies to an amount that corresponds to the value set by the supplier for the processed retained good in its invoice. The share of the claim transferred to the supplier shall be given settlement priority. With regard to the authorisation to collect as well as the requirements for its revocation, No. 3. c.) applies correspondingly.
d) If the buyer connects the retained good with real estate or mobile things, then the buyer also transfers as security the claim to which it is entitled as compensation for the connection, including all ancillary rights, to an amount corresponding to the ratio of the value of the connected retained good to the value of the rest of the connected goods at the time of the connection. This transfer takes effect with no special subsequent explanations.
- In the event of executions, confiscations or other access or intervention by a third party, the buyer must inform the supplier immediately.
- In the event of breach of duty by the buyer, in particular delayed payment, the supplier has the right, after the expiration of a reasonable grace period for performance given to the buyer, to withdraw or retract; the legal stipulations on the expendability of setting a grace period are unaffected hereby. The buyer is obligated to surrender possession.

V. Deadlines for deliveries; delay

- If the supplier is prevented from meeting a performance deadline, the performance deadline is pushed back by a reasonable period; this does not apply if the supplier itself is responsible for the delay. Deadline compliance assumes the proper receipt of all documents, required approvals and releases, in particular of plans, delivered by the buyer, as well as the compliance of the buyer with the agreed payment conditions and other obligations. If these requirements are not fulfilled on time, the deadlines shall be extended correspondingly; this does not apply if the supplier is responsible for the delays.
- Agreed delivery dates ("Delivery by ...", "Delivery in ...", "Delivery on ...") count as target dates, provided they are not expressly declared as binding by phrases such as "at the latest on ...", "guaranteed by ...".
- If deadlines are not met due to force majeure, e.g. mobilisation, war, civil unrest or other event, e.g., strike, lockout, the deadlines are extended accordingly.
- If the supplier is late, the buyer can – insofar as it can verify that it has incurred damages hereby – demand compensation for each complete week of delay of 0.5%, but totalling no more than 5% of the price for the part of the delivery that, because of the delay, could not be put to its intended use.
- Compensation claims by the buyer due to delivery delays and instead of performance which exceed the limits listed in No. 4 are excluded in all cases of delayed delivery, even after the expiry of any delivery deadline that may have been set. This does not apply insofar as liability is mandatory in cases of wilful intent, gross negligence, personal injury or death; a change in burden of proof to the disadvantage of the buyer is not connected herewith. The buyer can only withdraw from the contract within the framework of legal provisions, insofar as the supplier is responsible for the delivery delay.
- If requested to do so by the supplier, the buyer is obligated to declare within an appropriate deadline whether, due to the delivery delay, it intends to withdraw from the contract and/or demand compensation in lieu of performance or whether it insists on performance.
- If, at the buyer's request, shipping or delivery is delayed by more than a month from notification of readiness for shipping, the buyer may be charged a storage fee for each month commenced of 0.5% of the price of the delivery items, up to a maximum, however, of 5%. The contracting parties have the right to provide evidence of higher or lower storage costs.
- If the buyer claims that it did not receive a delivery shipped to it, the supplier can charge the buyer for the costs of the inquiry, no less, however, than €30.
- Additional and other claims and rights in connection with delayed delivery or performance are excluded.

VI. Transfer of Risk

- Risk is transferred to the buyer; even in the case of carriage-free delivery, when the delivery is brought to shipping or is picked up, but no later than when the delivery leaves the warehouse, and indeed this is also the case if the delivery is transported on our lorries. Upon the buyer's request and at cost to buyer, the deliveries shall be insured against the usual transport risks.
- If shipping or delivery is delayed for reasons attributed to the buyer or if the buyer delays acceptance for other reasons, then the risk passes to the buyer.

VII. Acceptance

- The buyer may not refuse acceptance of deliveries due to negligible defects.

VIII. Material Defects

The supplier is liable for material defects as follows:

- All parts or performances that display a material defect within the limitation period without regard to operating time, shall, at the discretion of the supplier, be remedied, replaced or rendered again free of charge, provided the cause of the defect occurred before the risk transfer.
- Material defect claims have a limitation period of 12 months. This does not apply if legislation dictates longer periods.
- The purchaser shall inspect the received goods immediately after arrival for quantity, condition and any assured characteristics. The buyer shall inform the supplier about material defects in writing and without undue delay. Acknowledgement of material defects must always be made in writing.
- In the event of a defect notification, an amount of the buyer's payments may be retained, which corresponds to the share of the material defects found. The buyer may retain payments if a defect notification is made provided there is no doubt about the validity of the claim. If the defect notification is shown to be unjustified, the supplier has the right to demand that the buyer compensate the supplier for its cost incurred.
- Initially the supplier always has the opportunity for supplementary performance within an appropriate period.
- If the supplementary performance is unsuccessful, the buyer can withdraw from the contract – without affecting any damage claims in accordance with Art. XI – or reduce the payment. The legal right to withdraw does not require that the supplier is responsible for an existing defect of a purchased good. In all other cases, the buyer may only withdraw if there is a breach of duty for which the supplier is responsible.
- There shall be no claims for defects in the case of negligible deviations from the agreed condition, of only negligible impairments to usability, of natural wear or of damages that occur after the transfer of risk as a result of improper or careless treatment, overloading or unsuitable operating materials or due to particular external influences which are not presupposed by the contract. If the buyer or a third party makes improper changes or performs improper maintenance work, there shall also be no claims for defects from this or from the consequences arising therefrom.
- Claims by the buyer for the necessary expenses incurred for the purpose of supplementary performance, in particular transport, infrastructure, labour and material costs, are excluded insofar as the expenses increase because the delivery item is subsequently relocated to a different place than the buyer's place of business, unless the relocation is in keeping with its intended use.
- The buyer has statutory rights of recourse against the supplier only insofar as the buyer has not reached any agreements with its customer which go beyond the statutory claims for defects. Furthermore, number 8 applies correspondingly for the extent of the buyer's right of recourse against the supplier.
- In addition, Art. XI (Other damage claims) applies for damage claims. Additional claims or claims other than those regulated by Art. VIII, which are made by the buyer against the supplier and its agents, and which are based on a material defect are excluded.

IX. Commercial Property Rights and Copyrights; Defects of Title

- Unless agreed otherwise, the supplier is obligated to provide the delivery free from third-party commercial property rights and copyrights (hereinafter: property rights) in the supplier's country only. Insofar as a third party asserts justified claims against the buyer owing to the infringement of property rights through deliveries provided by the supplier which are used as per contract, the supplier shall be liable to the buyer within the period defined in Art. VIII No. 2 as follows:
 - The supplier shall at its choice and at its cost either obtain a right of use for the relevant deliveries, change the delivery so that property rights are not infringed or exchange the delivery. If this is not possible at reasonable conditions, the buyer shall be entitled to the statutory right of withdrawal or reduction. The buyer cannot demand compensation for useless expenditures.
 - The supplier's obligation to provide compensation for damages is governed by Art. XI.
 - The aforementioned obligations of the supplier apply only if the buyer promptly notifies the supplier in writing about claims raised by third parties, if the buyer does not recognise the claim and if the supplier retains its right to all defensive actions and settlement talks. Should the buyer discontinue the use of the delivered items in order to mitigate damages or for other important reasons, it shall notify the third party that the discontinuation of use does not imply the acceptance of an infringement of property rights.
- Claims of the buyer are excluded insofar as it is responsible for the infringement of property rights.
- Claims of the buyer are further excluded insofar as the infringement of property rights is caused by special specifications of the buyer, by an application which was not foreseeable by the supplier or due to the fact that the delivery is changed by the buyer or used together with products which were not delivered by the supplier.
- In the case of property rights infringements, the provisions of Art. VIII No. 4, 5 and 9 correspondingly apply to the claims of the buyer set forth in No. 1 a).
- In the case of other defects of title, the provisions of Art. VIII apply correspondingly.
- Irrespective of their legal bases, additional claims and rights or claims and rights (e.g., cancellation, reduction, withdrawal) other than those regulated by this article that are made by the buyer against the supplier and its agents on the grounds of material defect are excluded.

X. Impossibility; Amendment

- To the extent that supply is not possible the buyer is entitled to demand compensation unless the supplier is not responsible for the impossibility. However, the claim for compensation by the buyer shall be confined to 10% of the value of the part of the delivery which cannot be put to its intended use, due to the impossibility. This limitation does not apply insofar as liability is mandatory in cases of wilful intent, gross negligence, personal injury or death; a change in burden of proof to the disadvantage of the buyer is not connected herewith. The right of the buyer to withdraw from the contract is not affected.
- Insofar as an unforeseeable event in the sense of Art. V No. 3 changes the commercial importance or the contents of the delivery or have substantial implications on the operation of the supplier, the contract shall be readjusted in accordance with the principles of good faith. Insofar as this is commercially unjustifiable, the supplier has the right to withdraw from the contract. If the supplier intends to withdraw from the contract it shall notify the buyer of this without undue delay after recognising the implications of the event, even if an extended delivery time was initially agreed with the buyer.

XI. Other Claims to Compensation for Damages

- Claims to compensation for damages on the part of the buyer, regardless of their legal basis, but in particular on account of breach of duties derived from contractual obligation and from impermissible acts are excluded.
- This does not apply insofar as liability is mandatory, e.g., in accordance with the Product Liability Act, in cases of wilful intent, gross negligence, personal injury or death or on account of infringement of essential contractual obligations. Compensation for damage for infringement of essential contractual obligations is, however, limited to contract-typical, foreseeable damages unless it is a matter of wilful intent or gross negligence or unless liability is assumed because of personal injury or death. The aforementioned stipulations do not imply a change in the burden of proof to the disadvantage of the buyer.
- Insofar as the buyer is entitled to compensation for damages in accordance with Art. XI, these expire at the end of the expiry period valid for material defect claims in accordance with Art. VIII No. 2.

XII. Place of Jurisdiction and Applicable Law

- If the buyer is a dealer, the sole place of jurisdiction for all disputes arising directly or indirectly from the contractual relationship (including check and security claims) is the seat of the supplier. The supplier, however, has the right to bring legal action at the buyer's place of business.
- Contractual relations are governed by German substantive law, to the exclusion of the United Nations Convention on Contracts for the International Sale of Goods (CISG).

XIII. Binding Nature of the Contract

If individual provisions of this contract are or become legally invalid, the remaining sections of the contract shall remain binding. This does not apply if abiding by the contract would represent an unreasonable hardship for one of the parties.

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