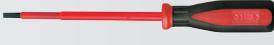


CATALOGUE

THE COMPLETE
RANGE OF TOOLS
FOR THE ELECTRICAL INDUSTRY
AND ELECTRICAL TRADE



cimco
WERKZEUGFABRIK

1	HARDHELL TOOL CASES		7 – 11
2	TOOL BAGS		12 – 16
3	TOOL ASSORTMENTS		17 – 26
4	raaco STORAGE- AND TRANSPORT-SYSTEMS		27 – 35
5	PLIERS		36 – 46
6	SCREWDRIVERS		47 – 56
7	ASSEMBLY TOOLS FOR SCREWS AND NUTS		57 – 66
8	MEASURING AND TESTING INSTRUMENTS		67 – 71
9	KATIMEX® CABLE SPOOLING AND PULLING SYSTEMS		72 – 81
10	SHEARS		82 – 85
11	WIRE STRIPPING TOOLS		86 – 93
12	SAWS, TUBE CUTTERS, SCREW PUNCHES		94 – 98
13	DRILLS, HOLE SAWS, DIAMOND TOOLS		99 – 113

14 HAMMERS, CHISELS, SPATTELS



114 – 117

15 MEASURING TOOLS



118 – 121

16 SPECIAL TOOLS FOR DATA NETWORK TECHNOLOGY



122 – 130

17 INSULATED SAFETY-TOOLS, PERSONNEL PROTECTIVE EQUIPM.



131 – 150

18 PLUMBING TOOLS



151 – 156

19 SOLDERING EQUIPMENT AND ACCESSORIES, CHEM. PRODUCTS



157 – 162

20 WORKSHOP- AND BUSINESS EQUIPMENT



163 – 168

21 **ProFashional** - WORK CLOTHES

169 – 172

22 PRESSING TOOLS



173 – 181

23 SOLDERLESS CABLE CONNECTORS, WIRE END FERRULES



182 – 206

24 CABLE TIES, VELCRO FASTENER CABLE TIES



207 – 218

25 SCREWS



219 – 225

26 ADHESIVE TAPES, HEAT-SHRINKABLE SLEEVES



226 – 238



CIMCO is internationally represented by subsidiaries or prestigious trade missions. The export markets are supported by all ways of merchandising, especially adjusted to the requirements of each 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 followed its philosophy to manufacture tools that meet the professionals' highest requirements. Thereto optimal materials are demanded, their professional workmanship and control as well as the continuous adjustment to the individual customization and new technical challenge. Thereby the company was successful to develop from a regional acting plier factory to an internationally inquired manufacturer and distributor of high quality tools.

Membership

CIMCO is among others member of the following organizations:

ZVEI: • Zentralverband Elektrotechnik und Elektroindustrie e. V., Frankfurt a. M.



- Fachverband Elektrotechnische Handwerke NRW, Dortmund



- ISD Interseroh
- network-connection



- Fachverband Werkzeugindustrie e. V., Remscheid

Product quality



Proofed safety

Numerous electricians of crafts and industry daily trust in CIMCO quality tools. Due to this fact we put our focus on safety tools in our production. Here internally developed production techniques are installed to manufacture special safety insulations.

Ambitious quality control

You can build on the safety on CIMCO tools every time. All insulated tools are checked in a water bath at a voltage of 10.000 V according to all actual standards. CIMCO has totally automated this process by installing an industrial robot, probably the only one in this field world wide.



Permanent innovations

The constant optimization and expansion of our product range by useful innovations is a permanent feature of our business strategy. Therefore CIMCO is always one step ahead to the changing requirements of the market. Items like flexibility and mobility are more and more important also in crafts and electrical professions – they demand for adequate implementation in the development of tools. That is why all CIMCO products are focussed on a wide usage and adjustment on many different situations.

One-stop-shopping by enormous product range

Do you know a larger assortment of hand tools for the electrical installation? We do not! This catalogue allows the electrical wholesalers on one look with all specialities, special sizes and most actual novelties the purchase "all-out-of-one-hand". It helps to minimize the number of suppliers and to reduce the costs of process in purchasing, receiving, stock 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 displays , valuable glass showcases or complete shop-in-shop-systems in the customer's corporate design plenty of optically appealing and verifiably promotional possibilities for a clear stocking and presentation of the assortment. It happens totally without any risk for our customers: all displays will be delivered, arranged and decorated by especially trained CIMCO sales assistants free of charge under reservation of proprietary rights.



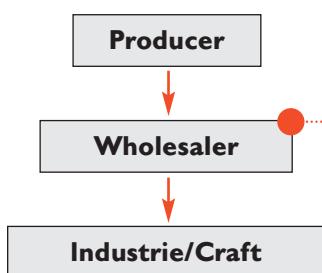
Marketing

Success by sales promotions

CIMCO is known for continual strong-selling and high-yield sales promotions. Tool innovations, 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 with his logo and address printed on. This enables the wholesaler to generate more turnover with less of his own effort.



cimco®

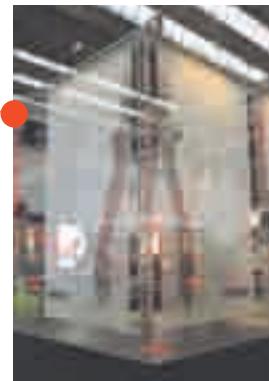


Sales channel in three steps

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

On the spot - personally for you

An extensive network of committed sales assistants are in charge of wholesalers and users of our tools personally on the spot. Product training, workshops or hundreds of in-house exhibitions and trade fairs: Your CIMCO agent is always near and supports you with competent advice and active sales promotion.



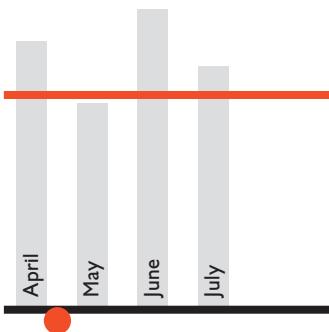
Ro.Ver – the rolling sales idea

No work, no risk – that is the formula for sales increase in your shop! With our matchless RoVer-sales display you present your pick-up customers many times a year an attractive choice of innovations. We take care of the delivery, arrangement and decoration and, if requested, the labelling of the display. We take back the products that were not sold during the promotion period – no remainder! Result: It is proved that our RoVer-customers increase their "pick-up" turnover between 20% and 40%. Our sales assistant will be pleased to explain to you this sales concept in detail.



No risk in stock

We grant our customer the right to return all CIMCO tools that were not sold. We re-credit the goods to the total value if it is returned with the packaging and able to resell. Excepted are products that meanwhile have been deleted from our delivery program, products especially designed for customers and products of our special sales promotions.



Logistics

Delivery reliability

Averagely 97,5% of all CIMCO catalogue products are permanently stocked. By consequent use of our broad logistics controlling system we achieve further improvement of our delivery rate.

For the sake of the environment

All our sales and delivery packaging are recyclable. For years CIMCO is already working with disposal companies such as ISD Interseroh.



Quick order processing

From the receipt of a customer's order to the delivery we normally do not need more 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 – even on the next working day.



Special logistics services

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



If it is really urgent!

The wholesaler is normally not able to store tools of exceptional sizes and special tools. But these specialities are urgently needed when required. CIMCO realizes direct delivery to the user or the building site – in Germany without extra charge!

Logistics
bo

HARDHELL TOOL CASES



instant-plug-in-connection-systems

for the retaining of tool boards and subdividing the inside shell into small boxes allow extreme flexibility.



4 toggles on the bottom of case

are used for sliding on the floor and for fast retaining the optional features.



trolley

adjustable with 3 lock-in-positions (530 to 1100 mm), for individual application and ergonomics



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SILVER



CHAMPION



KLASSIK



BOMBER

Tool Case SILVER

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 27 tool pockets, clipboard for documents 400 mm width, bottom shell can be individually subdivided incl. separating elements, cover-holder and hinges made of metal, plastic bottom-slider, weight only 3.700 g.

465 x 170 x 310 mm

1

17 0073



Masters Case CHAMPION

New 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 let the case be certainly opened without additional braces, comfort carrying handle with soft rubber wadding, 2 robust lockable snaps, name badge.

weight 5200 g

480 x 380 x 220 mm

1

17 0930



Tool Case UNIVERSAL

rugged, airworthy shells made of black ABS, up to 30 kg loadable aluminium-double-frame, 2 tip-cylinder locks, 2 lock-in-hinges with top-lock, saving integrated bottom-sliders, hard-wearing, washable tool boards made of Con-Pearl, fatigue-proof carrying because of ergonomic handles with cushioned grips made of flexible material, each time with 2 tool boards (17 4052 includes only 1 tool board) with 25 tool pockets and 1 clipboard 400 mm, 1 cover plate with 15 pockets and 1 clipboard 400 mm, 1 individually dividable bottom shell, document box in cover.

weight 4700 g

460 x 165 x 310 mm

1

17 4050

as Nr. 17 4050, but with red shells

1

17 4051

weight 5100 g

470 x 180 x 360 mm

1

17 4052



Masters case KLASSIK

Pro-hardshell case made of impact-resistant 3mm big 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 4.500 g.

black

455 x 210 x 355 mm

1

17 0075

red

440 x 180 x 340 mm

1

17 0070



Masters case BOMBER

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

Weight: 5500 g

475 x 200 x 355 mm

1

17 0076





MEGA-WHEEL



MODULAR

Masters case MEGA-WHEEL

Double-walled shells made of impact-resistant and break-proof polyethylene, highly temperature-resistant and resistant to chemicals, 80 mm deep bottom shell with partition walls for individual subdivision, 2 removable boards with innovative, patented FLEXIPOUCH-pockets for storing tools and small parts, capacious two-part document box, on both sides stable metal cover-holders, 2 big rollers with ball bearing (diameter 98 mm!) for more stability and sturdiness, 4 rubber bottom sliders and adequate reliefs on the top, so cases are stackable in a safe way. Telescopic handle is inconspicuous integrated in the bottom shell and doesn't obstruct normal transportation that way. The handle is extendible up to ergonomic and comfortable 115 cm. Handle with soft rubber wadding and closing springs, 2 solid key locks, weight 8.000 g.

455 x 185 x 345 mm

1

17 0074



Masters case MODULAR

This hardshell case defines new standards! See also page 7.

Flexibility:

Patented Click-System for fast holding and removing tool boards of the required number (max. 3), bottom shell of case with an innovative system for subdivision: clip-on frames are similarly variable and captive. A revolution is the case in addition with the accessories "telescopic system" and "trolley". All individual labour conditions and requests on mobility are taken into account with this optional equipments.

Design:

Shells made of highly shock-resistant plastic, edges especially consolidated with attractive coloured protection caps, 3 tool boards with many pockets, 2 high-quality chromium-plated locks, chromium-plated carrying handle with soft rubber wadding.

Further equipment-specifications:

3 solid bottom-slider hinge-elements, additional combination lock, all movable parts are screwed for unproblematic replacement, weight 6.300 g.

470 x 220 x 350 mm

1

17 1000



Telescopic system for masters case MODULAR

Stable mounting frame with 4 height-adjustable telescopic legs, which lift the case in an ergonomic working height between 450 and 730 mm and give safe stand even on extreme bumpy undergrounds. Can be used separate as a work table also. Simple fixing on the bottom of case with 4 toggles (= case bottom-sliders), telescopic legs retractable and height-adjustable with quick acting closures, weight 2.000 g.

folded up

450 x 50 x 350 mm

1

17 1006



Trolley for masters case MODULAR

This add-on-set provides mobility and ergonomics: Heavy loads are moved very easy, 2 stable rollers, aluminium-telescopic-handle with 2 optional pullout-lengths (800 and 1.100 mm). Simple attachment on the bottomside of case with 4 toggles (= case bottom-sliders), trolley can also be used stand-alone for transporting loads up to 30 kg, weight 1.600 g.

folded up

490 x 260 mm

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17 1004



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PERFEKT-Roller case



PERFEKT



Super Masters 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 principle of arrangement and will be hold safe. As well during transport and even if case is standing bottom-up.

weight 4900 g

460 x 170 x 310 mm

1

17 5075

Tool case like model Nr. 17 5075, but with red dyed throughout plastic shells, also larger internal dimensions, no document box. Weight 5.100 g

red

470 x 190 x 355 mm

1

17 5076

black

470 x 190 x 355 mm

1

17 5077

Super Masters 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 because of an extra-wide four-fold telescopic handle (up to 1.050 mm) and rubberized, large rollers running on bearings with wide wheel-base (tilt resistant). Solid, airworthy case shells made of black ABS, aluminium double-frame loadable up to 40 kg, 2 elegant lockable tip-locks, 2 lock-in-hinges with top-stop, saving integrated bottom-sliders, 2 hard-wearing, washable tool boards made of Con-Pearl with patented clamp-system for holding tools of all kind non-skid, fatigue-proof carrying because of ergonomic handles with cushioned recessed grip made of elastic material.

Weight 6.600 g.

470 x 210 x 355 mm

1

17 5078



JUMBO



DELUXE



Tool case JUMBO

Extremely voluminous toolcase, 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 because of 2-step pull-of telescopic handle and large rollers with ball bearing, 2 removable click-system tool boards with innovative, patented FLEXIPOUCH-bags, 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, weight: 8.500 g.

red	470 x 350 x 390 mm	1	17 0072
black	470 x 350 x 390 mm	1	17 0071



Tool case DELUXE

Elegant aluminium case made for high-tech-installation and service, shells cold formed massive anodized aluminium, bottom shell with pre-punched foamed material enclosure for the safe transport of sensitive elements and equipment like notebook, measurement instruments, printed circuit boards etc., aluminium-double-frame for highest stability and non warping, 2 tool boards with many pockets, separate document bag, 2 chromium-plated design-locks, additional combination lock, ergonomic soft-grip-handle, weight: 6.000 g.

475 x 180 x 360 mm	1	17 3200
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TOOL BAGS



Drawer tool bag

made of extreme heavy-duty compact leather cloth, inner walls made of Con-Pearl, front folding, aluminium edge protector, 5-piece drawer compartment with removable 50 mm carrying-element, subdivision for small parts, 2 tool-plug-in-systems for safe clamp-fixing, ergonomic carrying handle with non-skid-padding made of soft rubber, 2 lockable snap-in-locks, bottom-sliders, weight: 4.000 g

410 x 190 x 280 mm

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17 0400

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26**Tool case made of robust cowhide**

with galvanized, rivet fastened sheet metal bottom trough, folding down front, front and backplane, bottom, cover and side parts extra-strengthened, heavy carrying handle, 2 locks, lateral key locks, bottom-sliders, lateral loops for shoulder strap, inner surfaces with numerous tool pockets and adjustable loops, outer edges additionally consolidated with aluminium-elbows..

weight 2200 g

380 x 160 x 250 mm

1

17 6020

with document-bag on front side

weight 2900 g

430 x 200 x 290 mm

1

17 6024

with document-bag on front side and straps instead of pockets

weight 2750 g

430 x 200 x 280 mm

1

17 0924



with additionally folding backplane, removable partition and document-bag on front side

weight 4100 g

430 x 220 x 340 mm

1

17 6027

weight 5300 g

490 x 220 x 360 mm

1

17 6028

**Service-electricians tool bag**

made of solid cowhide, extra robust, front, middle and back plane with 17 pockets with established internal division, transparent clip box in cover, removable carrying strap, with robust key lock, weight: 1.200 g.

220 x 140 x 250 mm

1

17 6000

**Tool case made of solid cowhide**

with 2 key locks, bottom and side parts extra strengthened, inner surfaces with leather loops, weight: 920 g

370 x 120 x 190 mm

1

17 0004

**Tool case made of solid cowhide**

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

additionally with document bag in front side, folding back side, flap box for small parts, partition, foamed material compartment with relief for sockets for wrenches, weight: 6.000 g

460 x 250 x 360 mm

1

17 0078



additionally with document-bag in front, weight: 3.200 g

430 x 200 x 290 mm

1

17 6025



with 1 ladder lock, folding front side, front, back plane and partition with tool pockets, with shoulder strap, weight: 2.500 g

310 x 160 x 350 mm

1

17 0014



1 Shoulder strap

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

length-adjustable up to 1150 mm

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17 0060



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Tool-backpack

backpack for transport and keeping of tools, special configuration diversity and quality of manufacture for professional use: plastic backside shell with comfort-padding, length-adjustable, padded shoulder straps, adjustable lap belt, document bag in front, numerous pockets, holding straps and removable inner pockets for tools, small parts, documents and more, carrying handle, 4 stable bottom sliders, weight: 2.300 g

300 x 120 x 400 mm

1

17 0430

**Storage bag for laptop computers and accessories**

functional and very lightweight carrier bag with numerous cases for documents, business cards, mobile phone and accessories, two special padded inner cases for laptop and additional equipment, i.e. printer, removable pocket for power supply etc., fixed with velcro fastener, made of durable black polyester-/koskin-tissue, weight 1.250 g

410 x 130 x 340 mm

1

17 5150

Rollable tool bag

made of tissue-strengthened synthetic, with leather strap closure

12 pockets

530 x 320 mm

1

17 0142

20 pockets

760 x 320 mm

1

17 0144

Tool box

made of steel sheet, lacquered inside and outside, five-piece, lockable (shackle type connector as accessory)

5 cases

540 x 200 x 200 mm

1

17 0212

Brass locks

body made of one block of brass, hardened steel shackle, with 2 keys

size shackle

shackle width

shackle height

mm

ø mm

mm

mm

40

6

20

19

1

17 0252

Tool belt bag

made of thick, hard-wearing, smooth cowhide,

1 holder for insulating tape rolls, 5 outside pockets, 1 loop for hammer, 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 organizing system for your work: An interaction of accurately reconsidered storage and transport bags, which adapts itself to your individual needs in different labour situations! All elements of WORK-Line are functional and convenient in principle, because of flexible options of combining the all-purpose bags you obtain additionally a maximum flexibility according to your changing requirements!

All WORK-Line products are made of wear- and tearing-resistant, lightweight and special weatherproof resistant synthetic tissue 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, infinitely variable width from 84 to 116 cm, large snap for fast single-hand control, weight 130 g.

1

17 0782



Cellphone bag

bag especially for mobile phones, also for eyeglasses, measuring instruments and other sensitive small devices, specially padded, velcro fastening, 2 holders for pencils, 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

belt-holster for push-in all popular cordless screwdrivers, safe transport by fixing band with velcro fastening, 4 pockets for accessories like drills, bits, pencil etc., especially robust styling because of padding, strengthened cloth and rivets, belt loop, weight 120 g

180 x 340 mm

1

17 5104



Bit-bag

foldable bag for screw-bits and accessories, intakes for 12 bits, 5 drills and one bit-holder, velcro fastening, universal-metal-clip for fixing 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 like notepad, measuring tape etc., because of robust padding particularly suitable for storing screws and nails, pencil-holder, fixing band with velcro fastening, rivet-strengthened 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 fixing 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 and the like, inner zip-bag for documents, large elastic holder strengthened with rivets for hammer, tongs and so on, metal chain and holder for several rolls of electrical tape, made of strengthened special tissue, belt loop, weight 350 g.

280 x 50 x 285 mm

1

17 5112

1 Tool body bag

with numerous functional details made of strengthened special tissue, 2 capacious inner cases, small inner case with velcro fastening, 6 elastic holders for writing utensils, drills, screw drivers and so on, zip bag in front, cover of back closable with velcro fastener and/or 2 zips (one-hand operation), integrated size-adjustable apron with 3 additional pockets, integrated belt with infinitely variable width up to 160 cm with big snap for comfortable 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

**2 Tool vest**

more liberty isn't possible! Tools always ready to hand but both hands free! Numerous functional details of equipment for professional application: padded pocket for mobile phones, glasses etc., with fixing band with velcro fastener and elastic holder for writing utensils, 2 breast-pockets with velcro fastener, 1 of both folding with 4 inner pockets, 2 large padded waist bags for diverse tools, 1 of those with velcro fastener-clap, 8 small elastic holders for writing utensils, drills screwdrivers and the like, zip breast bag for business cards, pocket with window, i.e. for name tag, rivet-strengthened wide holder for hammer, tongs 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, 480 x 660 mm, weight 1.000 g.

480 x 660 mm

1

17 5120

**3 Tool and document bag**

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 equipment as follows: clipboard up to max. DIN A-4 papers, elastic pen-holder, 9 elastic holders of different size for writing utensils, screwdrivers, small tools etc., zip bag for small utensils. DIN A 4 - document bag with velcro fastener in front, 2 carrying handles, weight 1.300 g.

385 x 70 x 290 mm

1

17 5130

**4 Tool, document and notebook computer bag**

The Top-model of WORK-Line: tool case, briefcase and notebook 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 and so on, integrated notebook computer bag suitable for all usual notebook computers includes separately removable equipment-bag for power supply, mouse etc., large document front bag with zip and differently large pockets and holders for writing utensils, business cards etc., bag for mobile phone and additional inner zip bag, additional small external document bag, gummed carrying handle, detachable, infinitely variable carrying strap with shoulder pad, weight 1.600 g.

400 x 130 x 320 mm

1

17 5132

**5 Electrician's shoulder bag**

For professional keeping of all kind of tools, with flexible clipping-system. Two removable plates, shoulder straps, two lateral partitions, padded strap, including two little assortments

200 x 300 x 100 mm

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17 5134



TOOL ASSORTMENTS

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Electrician apprentice cases

Super apprentice case **Hardshell apprentice case 2004**



17 0300

Order number, equipped
with tool case

17 0300 **17 2004**
Tool bag Hardshell case
made of cowhide with 2-colour-design

	Order-No.	17 0924
	Description	see catalogue page 13
Flat round nose pliers with unbowed jaws	200 mm	•
Universal pliers	185 mm	•
Heavy duty diagonal cutter	200 mm	•
Wire stripper 0,5 to 6 mm ²	160 mm	•
Electricians screwdriver for plain slot screws (Dimensions of blade)	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	• • • •
Electricians screwdriver for cross slot screws (Dimensions of blade)	PH 1 x 80 mm PH 2 x 100 mm PZ 1 x 80 mm PZ 2 x 100 mm	• • • •
Voltage tester screwdriver, 100 to 250 V AC	140 mm	•
Automatic cable knife JOKARI	8 bis 28 mm ø	•
Cable knife with wooden handle	with scraper	•
Pocket saw PUK	150 mm bearing distance	•
Painters spittle	40 mm width	•
Gypsum hutch made of soft rubber	125 mm ø	•
Water brush	24 mm ø	•
German standard hammer w. ash wood helve	300 g	•
Sledge hammer with ash wood helve	1000 g	•
Electricians chisel	10 x 8 x 250 mm	•
Brick chisel	29 x 300 mm	•
Folding meter-rule made of wood	2 m	•
Switch cabinet spirit level with magnet	200 mm	•
Carpenter's pencil, black	240 mm	•
Quantity of tools	23	23



17 0500



17 2004



17 0996



17 0420



17 2075



17 0175

1000 V safety tool assortments



1000 V

Masters case
KLASSIK
“electrical safety”



17 5370



17 0370



17 0372

Order number, equipped

with tool case

17 0370

Masters case
KLASSIK RED

Order-No. 17 0070
Description see catalogue p. 8

Flat round nose pliers with unbowed jaws	200 mm	•
Round nose pliers with bended jaws	200 mm	•
Round nose pliers	160 mm	•
Universal pliers	185 mm	•
Heavy duty diagonal cutter	200 mm	•
Wire stripper 0,5 to 6 mm ²	160 mm	•
Electricians screwdriver for plain slot screws (Dimensions of blade)	2,5 x 0,4 x 75 mm 4,0 x 0,8 x 100 mm 6,5 x 1,2 x 150 mm 8,0 x 1,2 x 175 mm	• • • •
Electricians screwdriver for cross slot screws (Dimensions of blade)	PH 1 x 80 mm PH 2 x 100 mm PZ 1 x 80 mm PZ 2 x 100 mm	• • • •
Insulated screw-holding screwdriver for plain slot screws (Dimensions of blade)	3,0 x 0,5 x 100 mm 4,0 x 0,8 x 125 mm	• •
Insulated screw-holding screwdriver for cross slot screws (Dimensions of blade)	PH 1 x 150 mm PH 2 x 175 mm	• •
Hexagon offset screwdriver (Wrench size across flats)	5 mm 6 mm	• •
Hexagon socket wrench, 1000 V-insulated (Wrench size across flats)	5,5 mm 7 mm 8 mm 10 mm	• • • •
Single-ended open jaw wrench, 1000 V - insulated (Size of the jaw)	10 mm 13 mm 17 mm 19 mm 22 mm	• • • • •
Flat nose pliers made of compact plastic	200 mm	•
VDE-ratchet handle (reversible), 1/2"-square drive	250 mm long	
VDE-T-socket wrench, 1/2"-square drive	200 mm long	
Hexagon insert socket driver, 1000 V-insulated (Wrench size across flats)	10 mm 11 mm 13 mm 14 mm 17 mm 19 mm	• • • • • •
Plastic-clamp for holding rubber cloths	160 mm	
Rubber covering cloth, insulating up to 1000 V	1000 x 1000 x 1,6 mm	
Slip-on snouts 1000 V, up to 10 mm diameter	Numbered "Nr. 1" Numbered "Nr. 2" Numbered "Nr. 3"	5 pieces 5 pieces 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 750 V AC/DC	•
Wire snip, up to 12 mm cables, 1000 V VDE	160 mm	•
Automatic cable knife JOKARI, fully insulated	8 bis 28 mm diameter	•
Safety cable knife, 1000 V-insulated	with unbowed, solid blade	•
Quantity of tools		47



17 0340



17 0378



17 0360

Tool assortments data network technology / telecommunications / electronics



17 0310



17 3210



17 3316

Order number, equipped

with tool case

	Order No.
1	Description
2	200 mm
3	200 mm
4	185 mm
5	160 mm
6	250 mm
7	115 mm
8	130 mm
9	155 mm
10	130 mm
11	220 mm
12	4-, 6- and 8-pole
13	Crimping tool click'n'crimp data network technology with 3 pairs of inserts
14	Tweezers, unbowed, spiky, plain jaws 120 mm
15	Tweezers, bended, spiky, finely ridged jaws 120 mm
16	Electricians screwdriver for plain slot screws (Dimensions of blade) 2,5 x 0,4 x 75 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
17	Electricians screwdriver for cross slot screws (Dimensions of blade) 2,0 x 0,4 x 60 mm 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
18	Electricians screwdriver for cross slot screws (Dimensions of blade) PH 0 x 60 mm PH 1 x 80 mm PH 2 x 100 mm
19	Electricians screwdriver for cross slot screws (Dimensions of blade) PH 0 x 60 mm PH 1 x 80 mm
20	Double head open ended wrench (Sizes of the jaw) 6 x 7 mm 8 x 9 mm 10 x 11 mm 12 x 13 mm 14 x 15 mm 16 x 17 mm 18 x 19 mm 20 x 22 mm
21	Set of hexagon insert socket drivers (inbus), 7 parts Universal service cabinet-key made of metal, with bits
22	One-hand wire snip, up to 12 mm cables Universal shears Telephone shears 130 mm, serrated 130 mm, even
23	Precision wire stripper JOKARI PWS "Plus" Universal wire stripper MULTI-STRIPPER-PLUS Wire stripper for data cables JOKARI PC-STRIP Automatic cable knife JOKARI, hook-shaped blade Data cable wire stripper, DATA STRIP
24	Cable knife with wooden handle with scraper
25	Pocket saw PUK Clip-on tool ECONOMY Folding meter-rule made of wood Universal-compressed air spray can 400 ml
26	Quantity of tools



17 3310



17 0998

Electrician masters cases

		Masters case KLASSIK “Electro”	Masters case BOMBER “Electro”	Masters case PERFEKT “Electro”
	order number, equipped	17 0331	17 0376	17 5331
1	with tool case	Masters case KLASSIK	Masters case BOMBER	Masters case PERFEKT
2		Order No.	17 0075	17 0076
3		Description	see catalogue p. 8	see catalogue p. 8
4	Flat round nose pliers with unbowed jaws	200 mm	•	•
5	Flat round nose pliers with bended jaws	200 mm	•	•
6	Round nose pliers	160 mm		
7	Universal pliers	185 mm	•	•
8	Heavy duty diagonal cutter	200 mm	•	•
9	Wire stripper 0,5 to 6 mm ²	160 mm	•	•
10	Water pump pliers	250 mm	•	•
11	Electronics side cutter	115 mm	•	•
12	Electronics needlenose pliers with bended jaws	130 mm		
13	Tweezers, bended, spiky, finely ridged jaws	120 mm		
14	Flexible pick-up tool	540 mm		
15	Controlling mirror, 30 mm diameter	275 mm		
16	Electricians screwdriver for plain slot screws	3,0 x 0,5 x 100 mm	•	•
17	(Dimensions of blade)	4,0 x 0,8 x 100 mm	•	•
18		5,5 x 1,0 x 125 mm	•	•
19		6,5 x 1,2 x 150 mm	•	•
20	Electricians screwdriver for cross slot screws	PH 1 x 80 mm	•	•
21	(Dimensions of blade)	PH 2 x 100 mm	•	•
22		PZ 1 x 80 mm	•	•
23		PZ 2 x 100 mm	•	•
24	Insulated screw-holding screwdriver	4,0 x 0,8 x 125 mm		
25	Electronics screwdriver for plain slot screws	2,0 x 0,4 x 60 mm	•	•
26	Angle screwdriver for plain slot screws	5,0 x 0,65 x 100 mm		
21	Angle screwdriver for cross slot screws	PH 1 and PH 2 x 100 mm		
22	Hexagon nut driver	5,5 mm		
23	(Wrench size across flats)	7 mm		
24		8 mm		
25		10 mm		
26	Socket-wrenches-set 1/4"	33 parts		
21	Set of hexagon insert socket drivers (inbus), 7 parts		2,5 to 10 mm	•
22	Voltage tester, 100 to 250 V AC	140 mm	•	•
23	Universal shears	190 mm	•	•
24	Telephone shears, ridged	130 mm		
25	Varnish-stripper 0,6 mm (AWG 22)	125 mm		
26	Automatic cable knife JOKARI	8 to 28 mm diameter	•	•
21	Cable knife with plastic handle	with scraper	•	•
22	Pocket saw PROFI	150 mm bearing distance	•	•
23	Square awl, 6mm (rereamer)	100 mm	•	•
24	Safety german standard hammer	300 g		
25	Electronics solder metal 60% Sn, 1,5 mm	100 g		
26	Quantity of tools		23	23
21				23



17 0331



17 0376



17 5331

cimco®



17 1076



17 0374



17 6410

Electrician mechanics cases

	Tool case CHAMPION "Monting-Pro" 17 5230	Mounting case "power and building engineering" 17 0173	Tool case "electrical engineer I" 17 6350	Tool case "electrical engineer II" 17 6326	Tool case "electrical engineer III" 17 6328
Order number, equipped with tool case	Tool case	Tool case	Tool case	Tool case	Tool case
Order number	CHAMPION 17 0930	SILVER 17 0073	made of cowhide 17 6027	made of cowhide 17 6028	made of cowhide 17 6028
Description	see catalogue p. 8	see catalogue p. 8	see catalogue p. 13	see catalogue p. 13	see catalogue p. 13
Flat round nose pliers with unbowed jaws	200 mm •	•	•	•	•
Flat round nose pliers with bended jaws	200 mm	•	•	•	•
Round nose pliers	160 mm				•
Universal pliers	185 mm	•	•	•	•
Side cutter	145 mm 160 mm •	•			
Heavy duty diagonal cutter	200 mm	•	•	•	•
Wire stripper 0,5 to 6 mm ²	160 mm		•	•	•
Water pump pliers	250 mm		•	•	•
Valve pliers	250 mm	•			
Electronics side cutter	115 mm		•	•	•
Electronics needlenose pliers with bended jaws	130 mm				•
Tweezers, unbowed, flat-round jaws, insulated	145 mm	•			•
Electricians screwdriver for plain slot screws	2,5 x 0,4 x 100 mm 3,0 x 0,5 x 100 mm	• •	•	•	•
(Dimensions of blade)	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	•	•	•	•
Electricians screwdriver for cross slot screws	PH 0 x 60 mm	•		•	•
(Dimensions of blade)	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				•
Electronics screwdriver for plain slot screws	2,0 x 0,4 x 60 mm	•		•	•
Electronics screwdriver for cross slot screws	PH 1 x 80 mm				•
Angle screwdriver for plain slot screws	5,0 x 0,65 x 100 mm			•	•
Angle screwdriver for cross slot screws	PH 1 and PH 2 x 100 mm			•	•
Hexagon nut driver	5,5 mm			•	•
(Wrench size across flats)	7 mm 8 mm 10 mm			•	•
Bit-box, 10-parts	•				
Set of hexagon insert socket drivers, 7 parts	2,5 bis 10 mm		•	•	•
Set of hexagon insert socket drivers, 9 parts	1,5 bis 10 mm	•			
Adjustable wrench	160 mm				•
Universal service cabinet key	made of metal, with bits	•	•	•	•
Voltage tester, 100 to 250 V AC	140 mm	•	•	•	•
One-hand wire snip, up to 12 mm cables	160 mm			•	•
Universal shears	190 mm		•	•	•
Telephone shears, ridged	130 mm				•
Wire stripper JOKARI	0,5 - 4 mm ²	•			
Automatic wire stripper POWER STRIPPER	for flat and round cables		•		
Super-wire stripper JOKARI		•			
Automatic cable knife JOKARI	8 to 28 mm ø	•	•	•	•
Safety-cable knife, 1000 V-insulated	blade exchangeable	•			
Cable knife with plastic handle	with scraper		•	•	•
Universal knife ("carpet knife")	150 mm				•
Pocket saw PROFI	150 mm bearing distance		•	•	•
Square awl, 6mm (rereamer)	100 mm		•	•	•
Electricians chisel	10 x 8 x 250 mm				•
Plastic folding meter-rule	2 m		•	•	•
Plastic electricians spirit level	400 mm				•
Quantity of tools		31	22	30	41
					51



17 5230



17 6350



17 6326



17 6328

cimco®

STORAGE- AND TRANSPORT-SYSTEMS

raaco



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raaco COMPACT

transport- and storage-case made of highly shock-resistant polypropylene, thereby lightweight and extremely wear resistant (no bulges and fissures, chemically resistant), can be used as a stool because of extraordinary stability, with removable tool holder, which can pick up the variable inserts of the CARRY-LITE-program, double bow-type handle with integrated locking system against unintended springing open of case, 2 lateral carrying handles

**COMPACT 20**

without dividers, without drawers, no possibility of fitting carrying strap and castors, weight 1,9 kg

474 x 239 x 190 mm

1

41 7173

COMPACT 27

without dividers, with 2 drawers, no possibility of fitting carrying strap and castors, weight 2,6 kg

474 x 239 x 248 mm

1

41 7180

**COMPACT 37**

with 3 dividers for individual subdivision of interior, without drawers, with possibility of fitting carrying strap and castors, weight 3,7 kg

540 x 296 x 230 mm

1

41 7197

**COMPACT 47**

with 3 dividers for individual subdivision of interior, with 2 drawers, with possibility of fitting carrying strap and castors, weight 4,6 kg

540 x 296 x 292 mm

1

41 7203

**COMPACT 62**

with 1 divider for individual subdivision of interior, with 4 drawers, with possibility of fitting carrying strap and castors, weight 7,1 kg

621 x 311 x 322 mm

1

41 7227

**carrying strap for COMPACT**

for the COMPACT-models 37, 47 and 62, most simple fitting by clipping-on special hooks to the case, length infinitely variable from 0,9 to 1,6 m, weight only 150 g

1

41 4059

**castors (roller set) for COMPACT**

4 slewing castors, 2 of those with locking device, for the COMPACT-models 37, 47 and 62, most simple fitting by plugging into bottom of case, weight (set) 600 g

1

41 3656



Servicecase CARRY-LITE

Lightweight and flexibly configurable storage- and transport-case, inner subdivision variable anytime because of transparent insert boxes of many different sizes, bottom shell of case made of polypropylene, lid made of fully transparent polycarbonate, lid of case with U-sections for non-skid holding of storage goods and loose insert boxes, ergonomic carrying handle, two robust sliding locks, stackable, even standing on edge.



CARRY-LITE 150

Servicecase with 150 mm height, length 413 mm, width 330 mm. An individual subdivision of interior can only be configurated dividers, not with insert boxes

empty, without dividers	1	41 8965
with 2 dividers = 3 separate cases	1	41 8132
with 8 dividers = 9 separate cases	1	41 8958

CARRY-LITE 80

Servicecase with 80 mm height, length 413 mm, width 330 mm. grid layout 10 lengthwise x 5 wide

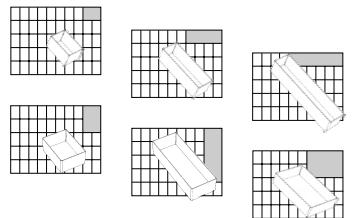
empty, without inserts	1	41 7494
with 14 inserts	1	41 8774
with 20 inserts	1	41 8743



Insert boxes for CARRY-LITE 80

height 69 mm

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



CARRY-LITE 55

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

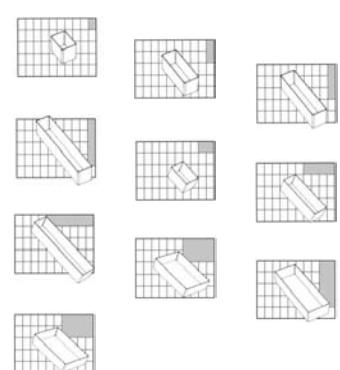
empty, without inserts	1	41 7500
with 24 inserts	1	41 9207
with 25 inserts	1	41 9191



Insert boxes for CARRY-LITE 55

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

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



safebox for CARRY-LITE

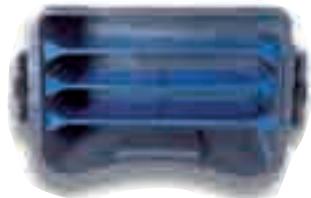
high-quality storage system for CARRY-LITE service cases, made of black lacquered steel sheet, telescopic runners mounted on ball bearings, lockable, length 451 mm, width 330 mm, height 403 mm, weight 15 kg, delivered empty without CARRY-LITE-service case

Safebox 150, for the attachment of up to 2 CARRY-LITE 150	1	41 8798
Safebox 80, for the attachment of up to 3 CARRY-LITE 80	1	41 8804
Safebox 55, for the attachment of up to 4 CARRY-LITE 55	1	41 8811

**Transporterbox for CARRY-LITE**

Made of resistant plastic, for the attachment of up to 3 CARRY-LITE 80 or 4 CARRY-LITE 55, with 3 pluggable intermediate bottoms, shoulder strap, weight 2,91 kg

250 x 562 x 361 mm	1	40 5644
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**Component boxes PSC**

Reasonably priced transport and storage cases for small parts, with determined, variable or without subdivision, made of resistant polypropylene, solid sliding locks with snap-in, lid of case with U-sections for non-skid holding of storage goods and loose insert boxes, stackable, even standing on edge, colour anthracite – blue - transparent.

PSC fix

Component boxes with determined subdivision

Type	Innerboxes	Weight (kg)	Dimension (mm)		
fix-9	9	0,3	240 x 195 x 43	1	41 5384
fix-18	18	0,34	240 x 195 x 43	1	40 9963
fix-15	15	0,73	340 x 260 x 57	1	41 5407
fix-32	32	0,82	340 x 260 x 57	1	41 5414

**PSC vario**

Component boxes with variable subdivision by using inserts of CARRY-LITE 55-series

(modular dimension 8 lengthwise x 4 wide). With ergonomic carrying handle (not PSC vario 240)

Type	Innerboxes	Weight (kg)	Dimensions (mm)		
vario-240	none (empty) 0,25	0,25	240 x 195 x 57	1	41 1898
vario-340	none (empty) 0,59	0,59	340 x 260 x 57	1	41 2970
vario-15	15	0,9	340 x 260 x 57	1	41 2987
vario-17	17	0,89	340 x 260 x 57	1	40 8423



Component boxes with variable subdivision for inserts of CARRY-LITE 80-series

vario-XL	none (empty) 0,6	0,6	340 x 260 x 78	1	43 0899
vario-6	6	1,02	340 x 260 x 78	1	42 0463

**HANDYBOX for PSC-component boxes**

Stable, handy transport device for carrying up to 4 PSC-component boxes with a height of 57 mm and a length of 340 mm as drawers, carrying handle, transport protection against unintended sliding out of the PSC-component boxes, combination-braces for non-skid mounting several HANDYBOX on top of each other and side by side, even practical for mounting on walls, colour anthracite – blue, delivery empty without component boxes

Weight 1,81 kg	376 x 265 x 310 mm	1	40 1943
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**HANDYBOX**

Completely assembled with 2 component boxes PSC vario-15 and 2 PSC vario-17 per unit

HANDYBOX, complete with 4 PSC vario	1 Set	41 2004
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Workshop-system SUPERCLIPS

Large-scale system of different hooks, holders and mounting brackets for the storage of tools, components, electric appliances and accessories in the workshop. Clips are easy to mount by simple plug-in and out on special perforated panels according to the individual requirements of use. Perfectly combinable with the raaco-storage bins and the toolrack TRD. High-quality material for continuous operation in professional ambit.

SUPERCLIP 1

unbowed universal hook with angular end of holder, 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

unbowed universal hook with upright end of holder, i.e. for ring spanners

Type

3-75	55 x 27 x 60 mm	5	41 0778
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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
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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
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SUPERCLIP 4

Double-hook holder with upright ends of holder, hook-length 50 mm, i.e. for hammers

Type

4-50	79 x 50 x 60 mm	3	41 0792
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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 holder, open frontside, 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
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SUPERCLIP 11

Spanner holder, for up to 8 spanners of variable size

Type

11	145 x 237 x 45 mm	1	41 4165
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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
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Dimension mm

Nº

raacoFIX

patented clamping fixture holding system, convenient for assembling 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, galvanized steel sheet, for holding all raaco-SUPERCLIPS, for mounting on the wall (fixing by plug/screw) or on toolrack TRD

	520 x 440 x 11 mm	1	41 8347
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Toolrack TRD for SUPERCLIPS

Robust stand made of steel sheet for the attachment of up to 6 perforated panels (order-no. 41 8347) for SUPERCLIPS or up to 6 slotted wall panels for raaco-storage bins (order-no. 41 8330), delivery incl. 6 perforated panels No. 418347, without clips, handles and rollers, weight 23,5 kg

TRD	570 x 570 x 1600 mm	1	40 9666
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Roller- and handle-set for Toolrack TRD

4 rubber rollers, 2 of those 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

	1	41 2369
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Dimension mm

Nº

cimco®

raaco-storage cabinet systems

for placement (rubber feet protect from scratches and provide a firm stand), wall mounting (suspension holes for screws) and mounting on turntables for storage cabinet systems (see page 27), body made of anthracite lacquered steel sheet, drawers made of wear-resistant, transparent polypropylene, with stop rim against unintended sliding out and possibility of subdivision in smaller boxes with additional partitions, frontside for attachment of writing labels

Storage cabinet systems series 150

cabinet depth 150 mm, height 552 mm, width 306 mm, ultimate load 40 kg

CABINET 60-00

assembled with 60 drawers type 150-0, weight 5,12 kg

1

40 8065



CABINET 48-01

assembled with 48 drawers type 150-1, weight 5,11 kg

1

40 7341



CABINET 24-02

assembled with 24 drawers type 150-2, weight 4,58 kg

1

40 7303



CABINET 08-03

assembled with 8 drawers type 150-3, weight 4,19 kg

1

40 7297



CABINET 16-04

assembled with 16 drawers type 150-4, weight 4,29 kg

1

40 9215



Drawers for cabinets 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



Partitions for cabinets 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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Writing labels for drawers for cabinets 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



Turntable for storage cabinet systems series 150

for receiving up to 12 cabinets of series 150, max. carrying power 480 kg, turnable on maintenance-free roller bearings, weight without cabinets 12,5 kg, delivery without storage cabinet systems

1760 x 680 x 680 mm	1	40 3732
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Storage cabinet systems series 250

cabinet depth 250 mm, height 435 mm, width 357 mm, ultimate load 40 kg

CABINET 24-1

assembled with 24 drawers type 250-1, weight 6,9 kg

1	40 9048
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CABINET 8-2

assembled with 8 drawers type 250-2, weight 6,0 kg

1	40 8560
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Drawers for cabinets 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



Partitions for cabinets 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



Writing labels for drawers for cabinets series 250

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

for 250-1	15 x 75 x 1 mm	24	40 7792
for 250-2	32 x 155 x 1 mm	8	40 7815
for 250-3	15 x 315 x 1 mm	6	40 7822



Turntable for storage cabinet systems series 250

for receiving up to 12 cabinets of series 250, max. carrying power 600 kg, turnable on maintenance-free roller bearings, weight without cabinets 22,3 kg, delivery without storage cabinet systems

1600 x 880 x 880 mm	1	40 2582
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Service case for storage cabinet systems

Case made of strong compo leather, strengthened edge-protection with aluminium-elbows, lockable, with integrated drawer cabinet, with additional plastic tray for tools etc, height 380 mm, width 325 mm, weight 4,9 kg

Model 24-01, with 24 drawers 150-1	1	40 2919
Model 16-123, with 12 drawers 150-1, 3 cabinet 150-2 and 1 drawer 150-3	1	40 2896

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raaco storage bins

Open bins made of impact-resistant polypropylene, for placement, stacking, attaching to wall panels and mounting on turntable (not bin 5), with appropriate formed handle and frontside for affixing writing labels

	load (kg)	height x width x depth		
storage bin 1	5	50 x 125 x 133 mm	1	40 2681
storage bin 2	5	75 x 125 x 173 mm	1	40 2698
storage bin 3	5	100 x 125 x 228 mm	1	40 2704
storage bin 4	10	126 x 125 x 300 mm	1	40 0052
storage bin 5	15	150 x 256 x 300 mm	1	40 0113



Wall panels for raaco-storage bins

Panels made of galvanized sheet metal for receiving the raaco-storage bins 1 to 5, simple mounting on the wall by screwing on or on the raaco-toolrack TRD for SUPERCLIPS (no. 40 9666, see page 25), with 4 vertical columns with 12 slots each = 48 slots for bins, weight 1,475 kg

440 x 520 x 11 mm	1	41 8330
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Turntable for raaco-storage bins

Turnable workshop and storing stand for receiving (according to the chosen sizes of bins) up to 148 storage bins. With 6 vertical columns x 48 slots = 288 slots for bins. Ideal assembly, i.e.

48 pieces of bin 1, 32 pieces of bin 2 and 24 pieces of bin 3 (= 104 boxes)

48 pieces of bin 1, 64 pieces of bin 2 (= 112 boxes)

32 pieces of bin 2, 24 pieces of bin 3 and 16 pieces of bin 4 (= 72 boxes)

72 pieces of bin 4

Fast access to all boxes by turnability of tower with highly 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



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Inside jaws

- Conical inside jaws for optimal grip of the most common tools
- Regular toothing of inside jaws and recess
- Joint nearly free from backlash for smooth and regular opening and closing



Surface coating

- CIMCO-Pliers are manufactured for highly use. The steels are specially conceived for manual workers. In connection with a careful hardening there is an optimum of load-bearing capacity.
- All pliers are hardened in oil bath. All cutting edges are induction hardened.
 - Because of the largely vacuum during the process of melting the Elektro-steel reaches a high percentage purity and reduces the CO² output

Cutting power

- Precision cutting edges.
- Optimized hand power transmission for low cutting power
- Precision cutting edges, induction hardened (approx. 64 HRC) for all wires, also piano wire



The pliers are all manufactured "Made in Germany". The procedure (forging, grinding, voltage checking of the insulation) is made by robots in order to guarantee a constant quality.

Diamant - Safety Pliers with 1.000 Volt-Safety Insulation PLUS

Optimized leverage, smooth running and ergonomic handling, made of high alloyed tool steel, totally hardened in oil, all cutting edges additionally hardened, surfaces polished and chrome-plated

Description of the symbols

	Working under pressure		Cutting hardness in HRC		With cutting chamfer		Lap joint		Flat Nose Plier		Soft Wire
	VDE/GS proofed		Serrated inside jaws		With light cutting chamfer		Laid on joint		Flat Round Plier		Medium Hard Wire
			Diagonal serrated jaws				Box joint		Round Nose Plier		Hard Wire
											CU-Cable Wire



- Adjust the adjusting screw by turning right or left to the cross section of the conductor
- Safe the adjusting screw with a screw nut
- Put the cable in
- Press the plier and pull off the insulation



Limited 10 years-warranty

On each Diamant-Plus plier. This warranty covers any defect in material or workmanship. We will replace the defective pliers free of charge. Please ask for the exact terms of warranty at your local Cimco dealer or directly at Cimco.

1.000 Volt safety-insulation according to VDE

The pliers of the range Diamant-Plus are according to the actual rules of IEC 900, IEC 60900:2004 and VDE 0682/Part 201 (besides Engineers Pliers). These strict safety rules stipulate 10 different quality checks for the insulation. The VDE is checking regularly the manufacturing and stock. Each plier is checked with a testing voltage of 10.000 Volt AC on disruption breakdown and flashover in the water bath. This means security for every piece.



Ergonomically shaped grips with a modern two-colour-design, made from top-quality thermoplastic plastics with outstanding properties. Non-adhesive, anti-slip surface, warm and soft hand feeling, excellent skin digestibility, insulation against high and low temperatures, electricity, shocks and vibrations. Resistant to sweat, salt water, lubricants and many other chemicals and UV-rays.

1000 V Heavy duty side-cutter

According to DIN ISO 5749 A, laid on joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel

145 (5,5") 6 10 0524



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



1000 V Side cutter

According to DIN ISO 5749 B, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel

130 (5") 6 10 0570



145 (5,5") 6 10 0572
160 (6") 6 10 0574
180 (7") 6 10 0577

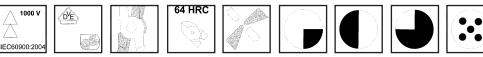
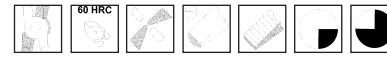
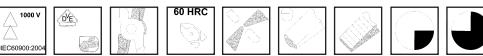


NEW

NEW

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	Dimension mm		No
1 NEW	1000 V Side cutter with wire stripper Lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for hard, medium hard and soft wire, additionally with two stripping stations for solid and multiwire conductors 1,5 mm ² and 2,5 mm ²		160 (6") 6 10 0652
2 NEW	Lead seal plier with side cutter Lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel, with dies 8 mm ø		160 (6") 6 10 0030
3 NEW	single dies	8 mm ø	1 pair 10 1732
4 NEW	1000 V Heavy duty top cutter According to DIN ISO 5748, laid on joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel		200 (8") 6 10 0402
5 NEW	1000 V Combination pliers According to DIN ISO 5746, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of special tool steel, with conical serrated inside jaws and serrated opening		160 (6") 6 10 0334 185 (7") 6 10 0336 200 (8") 6 10 0338
6 NEW	1000 V Wire stripping plier lap joint, with adjusting screw, for solid or multiwire conductors up to 5 mm ø resp. 0,75 mm ² up to 6 mm ² , with inside opening spring		160 (6") 6 10 0686
7 NEW	1000 V Telephone pliers with straight jaws According to DIN ISO 5745, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), long, flat-round jaws, serrated inside jaws and serrated opening, with cutting edges for hard and soft wire		145 (5,5") 6 10 0212
8 NEW			160 (6") 6 10 0214 200 (8") 6 10 0216
9 NEW	1000 V Telephone pliers with round jaws According to DIN 5745, lap joint, 45° angled jaws, long, flat-round jaws, precision cutting edges, induction hardened (approx. 64 HRC), serrated inside jaws and serrated opening, with cutting edges for hard and soft wire		160 (6") 6 10 0236 200 (8") 6 10 0238
10 NEW	1000 V Long flat nose pliers According to DIN 5745, lap joint, long, flat jaws, length of jaws 50 mm, serrated inside jaws		160 (6") 6 10 0024
11 NEW	1000 V Long round nose pliers According to DIN 5745, lap joint, long, round jaws, length of jaws 50 mm, serrated inside jaws		160 (6") 6 10 0062

	Dimension mm		Nº
Engineers pliers			
Without VDE-proofed 1000 V insulation, with precision box-joint, length of jaws 75 mm, serrated inside jaws with light diagonal serrated jaws			
straight, flat-round jaws	190 (7,5")	6	10 0082
flat-round jaws, 45° angled	190 (7,5")	6	10 0086
straight, flat-wide jaws	190 (7,5")	6	10 0090
flat-wide jaws, 45° angled	190 (7,5")	6	10 0094
Water pump pliers			
According to DIN ISO 8976, with box-joint, self-clamping on the tool, with serrated opening, chrome-vanadium steel			
without handles	250 (10")	10	10 1222
with handles	250 (10")	6	10 1224
1000 V Plier set, 4 pieces			
Heavy Duty Side Cutter	200 (8")		10 0528
Telephone Plier with straight jaws	200 (8")		10 0216
Combination Plier	185 (7")		10 0336
Wire Stripping Plier	160 (6")		10 0686
		1	10 4020
Plier set, 3 pieces			
Water Pump Plier	250 (10")		10 1224
Telephone Plier with 45° angled jaws	200 (8")		10 0238
Side Cutter	160 (6")		10 0574
		1	10 4022
Diamant PLUS	With double-coated insulation safety-grips for optimal security. In case of damage of the external red insulation coating, the orange insulation which is visible now, shows that a 100 % security according to safety regulations is no longer guaranteed		
1000 V Side cutter			
According to DIN ISO 5749 B, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also for piano wire), made of Electro-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 wire stripper			
Lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for hard, medium hard and soft wire, additionally with two stripping stations for solid and multiwire conductors 1,5 mm ² and 2,5 mm ²			
160 (6")	6	10 8792	
1000 V Heavy duty side cutter			
According to DIN ISO 5749 A, laid on joint, precision cutting edges (approx. 64 HRC), for all wires (also for piano wire), made of Electro-steel			
160 (6")	6	10 8789	
200 (8")	6	10 8784	



▲ 1000 V Sidecutter DIAMANT According to DIN ISO 5749

Cutting power: a special geometry of edges, optimized transmission of manual power and best calculated quality of material provide astounding small cutting forces on cables and wires of all kind.

Surface coating: A unique application in the field of hand tools is the surface improvement DIATEC. This patented high-tech-coating originates from applications with extreme requirements on wear resistance and corrosion protection (i.e. highly stressed ball bearings in automobile manufacture)

Handle jackets: ergonomic design-handle jackets in modern 2-components-design made of high-grade plastic with outstanding haptic features: best grip by slip-resistant, non-adhesive surface when wet and dirty, according DIN EN 60900:2004.

160

6

10 0000



▲ 1000 V Flat nose pliers

Especially adapted for meter assemblage

200

1

10 0796



Precision electronic pliers

Drop-forged version

With box point for long edge life and backlash-free guide, self-opening by soft-running double plate springs, all surfaces extra polished and burnished, with ergonomical 2-components-handle jackets



Electronics side cutter

oval round head with bevel edge	115	1	10 0914
pointed, slanted head, with bevel edge	115	1	10 0918



Electronics end cutter

Wide head, with bevel edge	115	1	10 0922
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Electronics pointed pliers

unbowed, oval pointed, serrated jaws, wire cutter	130	1	10 0906
bended, oval pointed, plain jaws	130	1	10 0908



Electronics needlenose pliers

very slim, long, plain jaws	155	1	10 0910
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Electronics flat nose pliers

short, wide, plain jaws	130	1	10 0900
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Electronics round nose pliers

short, round jaws	130	1	10 0902
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Precision electronics pliers assortment

Side cutter	115	1	10 0918
Pointed pliers, bended	130	1	10 0908
Flat nose pliers	130	1	10 0900
		1	10 4032



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Version made of carburized 3 mm-flat tool steel

Cutting edges precision grinded, self-opening by soft-running flat spiral spring, extra barnished, with elastic 2-components- plastic handle jackets (except electronics heavy duty side cutter Nr. 10 1054 and Nr. 10 1055)

Microelectronics-side cutter

without bevel edge

Clearance For soft wires

angle up to Ø mm

21° 0,8



118

1

10 1030

with fine pikes, without bevel edge

21° 1,0



129

1

10 1038

Electronics side cutter

without bevel edge

Clearance For soft wires

angle up to Ø mm

21° 1,3



132

1

10 1040

without bevel edge

48° 1,3



130

1

10 1044

strengthened version, without bevel edge

21° 1,3



132

1

10 1048

with strengthened blade, without bevel edge

21° 1,0



132

1

10 1050

with strengthened blade, c

21° 1,0



132

1

10 1051

strong version, without bevel edge

21° 2,0



131

1

10 1052

Electronics heavy duty diagonal cutter

without bevel edge, with one-component-ergonomics-handle jacket

Clearance For soft wires

angle up to Ø mm

20° 2,5



148

1

10 1054

with bevel edge

20° 2,5



148

1

10 1055

Micro electronics pointed pliers

Jaws bended, plain, 1 mm wide



152

1

10 1076

Jaws unbowed, serrated, 1,2 mm wide



152

1

10 1082

Electronics flat nose plier

Jaws unbowed, serrated, 3 mm wide



140

1

10 1096

Electronics pliers-assortment

Side cutter

132

10 1040

Pointed pliers, bended

150

10 1076

Flat nose pliers

140

10 1096

1 10 4030



Tweezers**Technical tweezers**

Made of steel

unbowed, pointed version, without serration	120	1	10 3012
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bended, pointed version, fine serration	120	1	10 3016
bended, pointed version, fine serration	155	1	10 3018

**College tweezers**

Made of steel, with pilot pin

bended, pointed-round version, fine serration	155	1	10 3042
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**Crossed tweezers**

Made of steel, with copper jaws for thermal dissipation

unbowed, narrow-round version	160	1	10 3062
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**Insulated tweezers**

unbowed, pointed version	130	1	10 3110
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bended, pointed version	150	1	10 3112
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unbowed, flat-round version	145	1	10 3114
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**△ 1000 V Tweezers with 1000 V protection insulation**

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

△ 1000 V unbowed, flat-round version	145	1	10 3232
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△ 1000 V bended, flat-pointed version	145	1	10 3240
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**Controlling mirror**

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

	540	6	11 1652
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**Flexible magnetic pick-up tool**

Mini-magnetic pick-up tool with neodymium-magnets 4 mm diameter, on flexible, plastic coated wire spindle, for salvaging metal pieces out of small and narrow spaces

Adhesive strength 270 g	400	1	11 1654
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**Teleskop magnetic lifter ø 6 mm**

In pocket form with support clip, extensible from 125 mm up to 630 mm (total length) and a tension of 500 g, head-ø 7 mm, chrome-plated

Chrome-plated	125	1	11 1622
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NEW

	Dimension mm		Nº
1	Lead seal pliers and accessories		
2	Lead seal pliers		
3	Combined with side cutter, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro steel, with stamps 8 mm ø		
4	160 mm (6")	1	10 0030
5	loose stamps	8 mm ø	1 pair
6			10 1732
7	Sealing pliers		
8	Stamp ø mm	Coupler ø mm	
9	8	4	125
10	9	4	145
11	10	5	165
12	12	5	220
13	Loose stamps ø mm	Coupler ø mm	
14	8	4	1
15	9	4	10 1700
16	10	5	1
17	12	5	10 1702
18			10 1704
19			10 1708
20	Sealing pliers		
21	without strap lock, 8 mm ø	105	1
22			10 1720
23	with strap lock, 8 mm ø	105	1
24			10 1722
25	loose stamps, 8 mm ø		1
26			10 1724
27	Engravings for seal stamps		
28	up to 3 letters		1
29	every additional letter		10 1733
30	every border		1
31	special engravings on demand		10 1734
32			10 1735
33	Lead seals		
34	ø mm		
35	8	approx. 850 pieces	1 kg
36	9	approx. 600 pieces	14 0750
37	10	approx. 400 pieces	1 kg
38	12	approx. 300 pieces	14 0752
39			14 0754
40			14 0758
41	Wire lead seals		
42	with integrally cast spiral wire, 200 mm long		
43	ø mm		
44	8	approx. 450 pieces	1 kg
45	10	approx. 260 pieces	14 0760
46	12	approx. 150 pieces	1 kg
47			14 0762
48			14 0764
49	Plastic seals		
50	ø mm		
51	8	orange	1000
52	9	grey	14 0738
53	10	orange	1000
54	12	grau	14 0740
55			14 0742
56			14 0744
57	Plastic coated seal wire		
58	Iron wire	ø mm	
59	Spool: 100 m, white	0,5 x 0,6	1
60	Spool: 100 m, blue	0,5 x 0,6	14 0778
61			14 0779
62	Ausführung	Dim Grösse/mm	VE
63			Bestell-Nº
64			EUR
65			cimco®



Lead seal pliers and accessories

Lead seal pliers

Combined with side cutter, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro steel, with stamps 8 mm ø

160 mm (6")	1	10 0030
loose stamps	8 mm ø	1 pair

Sealing pliers

Stamp ø mm Coupler 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 stamps ø mm Coupler 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
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with strap lock, 8 mm ø	105	1	10 1722
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loose stamps, 8 mm ø		1	10 1724
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Engravings for seal stamps

up to 3 letters		1	10 1733
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every additional letter		1	10 1734
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every border		1	10 1735
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special engravings on demand

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 integrally cast spiral wire, 200 mm long

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	grau	1000	14 0744

Plastic coated seal wire

Iron wire

ø mm

Spool: 100 m, white	0,5 x 0,6	1	14 0778
Spool: 100 m, blue	0,5 x 0,6	1	14 0779

Seal wire

zinc coated steel wire, rustless	Ø mm			
Spool: 1/2 kg = approx. 115 m	0,5 x 0,5	1	14 0768	
Spool: 1 kg = approx. 230 m	0,5 x 0,5	1	14 0770	
Spool: 1/2 kg = approx. 190 m	0,5 x 0,3	1	14 0772	
Spool: 1 kg = approx. 380 m	0,5 x 0,3	1	14 0774	

**Sealing pliers-assortment**

Composed of sealing plier/side cutter No. 10 9730 incl. pair of stamps, 1000 plastic seals orange Nr. 14 0738, 100 m of plastic-coated seal wire white No. 14 0778, in solid plastic box

1 10 1730

**Circlip pliers (Seeger pliers)**

For damage-free attaching and detaching of circlips resp. spring rings on shafts and in borings, made of chrome vanadium steel, polished-chromium plated, with PVC-handle jackets, points of pliers cylindric,

Form for circlips mm Ø

acc. to DIN 5254 A for external circlips, unbowed 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



acc. to DIN 5254 B for external circlips, 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



acc. to DIN 5256 C for internal circlips, unbowed 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



acc. to DIN 5256 D for internal circlips, 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 (grip pliers)**

ideal for holding and fixing workpieces while welding, soldering, cutting and finishing. Jaws made of chrome vanadium steel, with release gear and wire cutter

capacity mm

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

**Lever end cutter**

according to DIN ISO 5748, with fourfold sinked joint, for hard wire up to 1,5 mm Ø

210 6 10 0414

**Cutting nippers (carpenter's pincers)**

according to DIN ISO 9243 with PVC-handle jackets

200 6 10 1524



	Dimension mm		Nº
Concrete and steel fixers nippers according to DIN ISO 9242, with PVC-handle jackets	220	6	10 1540
			
Revolving punch pliers forged, with brass pressure section and 6 interchangeable punches (No. 10 1552 to No. 10 1558) 2 - 2,5 - 3 - 3,5 - 4 - 5 mm ø	230	1	10 1550
			
made of steel sheet, with brass pressure section and 6 interchangeable punches 2 - 2,5 - 3 - 3,5 - 4 - 4,5 mm ø	220	1	10 1562
			
Notching pliers special tool for fast and exact cutting out of plastic (i.e. cable channels) cutting depth 30 mm cutting width 15 mm	180	1	10 1640
			
Inspector's pliers for perforations in paper and thin plastics, depth of bit of tongs 30 mm round perforation 3 mm ø	120	1	10 1650
special perforations for inspector's pliers round perforation up to max. 5 mm ø as well as special perforations up to max. 3 mm height, i.e.			
		1	10 1656
Folding pliers PICCOLO made of chrome vanadium steel, with lap joint, width of jaws 22 mm shape of jaws			
unbowed	180	1	10 2080
45°	180	1	10 2082

SCREWDRIVERS, ELECTRONICS SCREWDRIVERS

Design

The nonslip handle-design allows individual handling. The plate-shaped turning cap with large finger grips allows a precise fine adjustment.



Colour-code

By colour-code rings in handle the type of blade is identifiable.



Blade

The especially hardened and high-alloy chromium molybdenum steel guarantees a long lifetime. The mat chromium plated blade with black top allows nonslip working

Quick-turn-zone

A narrow quick-turn-zone with good grip allows exact, sensitive working.

Blade

All blades are made of high-alloy, tough-hardened special steel with exact profile.



Screw-system marking

The screwdrivers are marked with a symbol for the screw-system and -size at the end of the handle. This allows choosing the "right" tool at a glance. (convenient i.e. in the tool bag)

Insulation

All insulated 2K-screwdrivers are not only VDE/GS-proved, they also fulfil the new, enhanced standard IEC 60900:2004 without compromise. This decrees among others an individual test in water bath at a testing voltage of 10.000 V.

Soft plastic layer

Two-components-technology with gummy thermoplastic natural rubber allows exceptional handling attributes and grip.

Handle

The ergonomic form improves grip whilst turning providing excellent contact with hand. The spherical end of handle avoids undue friction and fatigue.

1 Insulated screwdrivers**2 According to IEC 60900:2004, classification VDE 0682, part 201.****3 Individual tested in water bath with a testing voltage of 10.000 Volt.****4 Electricians screwdrivers**

According to DIN 7437

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

**5 Crosshead screwdrivers Phillips**

According to DIN 7438

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

**6 Crosshead screwdrivers Pozidriv**

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

**7 Special screwdrivers with combination-profile**

For combined slotted/recessed head screws in electrical installations, i.e. terminal blocks

PZ 1	80	165	12	11 7751
PZ 2	100	195	12	11 7752
Set PZ1 and PZ2 (No. 11 7751 and 11 7752)				1 11 7750

**8 Hexagon socket head wrench (Allen wrench)**

According to DIN 7439

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

**19 TORX®-Screwdrivers**

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 Socket wrench**

According to DIN 7445

SW 5,5	125	220	12	11 7805
SW 6	125	220	12	11 7806
SW 7	125	235	12	11 7807
SW 8	125	235	12	11 7808
SW 9	125	235	12	11 7809
SW 10	125	235	12	11 7810
SW 11	125	235	12	11 7811
SW 13	125	235	12	11 7813



Electricians-screwdriver-assortment – 7-part

VDE-electricians screwdrivers for slotted screws

2,5 x 0,4 x 75

3,0 x 0,5 x 100

4,0 x 0,8 x 100

5,5 x 1,0 x 125

VDE-crosshead-screwdrivers

PH 1 x 80

PH 2 x 100

VDE-voltage tester



1000 V

1 11 7800

Electricians-screwdriver-assortment – 7-part

VDE-electricians screwdrivers for slotted screws

2,5 x 0,4 x 75

3,0 x 0,5 x 100

4,0 x 0,8 x 100

5,5 x 1,0 x 125

VDE-crosshead-screwdrivers

PZ 1 x 80

PZ 2 x 100

VDE-voltage tester



1000 V

1 11 7802

Flat-blade-screwdriver assortment – 5-part

VDE-electricians-screwdrivers for slotted screws

2,5 x 0,4 x 75

3,5 x 0,6 x 100

4,0 x 0,8 x 100

5,5 x 1,0 x 125

6,5 x 1,2 x 150



1 11 7700

Crosshead-screwdriver assortment – 6-part

VDE-crosshead screwdrivers

PH 1 x 80

PH 2 x 100

PH 3 x 150

PZ 1 x 80

PZ 2 x 100

PZ 3 x 150



1 11 7745

Hexagon socket head wrenches assortment – 5-part

VDE-hexagon socket head wrenches

SW 3 x 75

SW 4 x 75

SW 5 x 75

SW 6 x 100

SW 8 x 100



1 11 7820

TORX®-screwdrivers assortment – 5-part

VDE-TORX® screwdrivers

T 8 x 60

T 10 x 60

T 15 x 75

T 20 x 100

T 25 x 100



1 11 7900

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Dimension mm

Nº

Socket wrench assortment – 5-part

VDE-socket wrenches
 SW 5,5 x 125
 SW 7 x 125
 SW 8 x 125
 SW 10 x 125
 SW 13 x 125

1 11 7801



VDE-screwdriver-assortment ELEKTRO-MEGA-DRIVE – 13-part

VDE-electricians-screwdrivers for slotted screws

2,5 x 0,4 x 75

3,0 x 0,5 x 100

4,0 x 0,8 x 100

5,5 x 1,0 x 125

VDE-crosshead screwdrivers

PH 1 x 80

PH 2 x 100

PZ 1 x 80

PZ 2 x 100

VDE-TORX® screwdrivers

T 10

T 15

T 20

T 25

VDE-voltage tester

1 11 7000



Not-insulated screwdrivers with polished, mat chromium-plated blade

Workshop-screwdrivers

According to DIN 5265 A and 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



Crosshead screwdrivers Phillips

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



Crosshead screwdrivers Pozidriv

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



Dimension mm

Nº

cimco®

	Dimension mm		Nº
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Chubby screwdrivers

With 2-components-handle, for slotted screws

5,5 x 1,0 x 38	95	12	11 0290
6,5 x 1,2 x 38	95	12	11 0294

For crosshead screws Phillips

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



TORX® screwdrivers with bore (Tamper Resistant)



T 6 x 50 (without bore)	135	12	11 7306
T 7 x 50	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 hexagon screwdrivers (hexagon keys)



According to DIN 5265

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



Hexagon nutdrivers



According to DIN 3125

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



Screwdriver assortment – 6-part



Electrician screwdrivers

2,5 x 0,4 x 75

4,0 x 0,8 x 100

Workshop screwdrivers

5,5 x 1,0 x 125

6,5 x 1,2 x 150

Crosshead screwdrivers

PH 1 x 80

PH 2 x 100



1 11 7100

	Dimension mm		Nº
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cimco®

Flat-blade screwdriver assortment – 6-part

Electrician screwdrivers

2,5 x 0,4 x 75

3,5 x 0,6 x 100

4,0 x 0,8 x 100

Workshop screwdrivers

5,5 x 1,0 x 125

6,5 x 1,2 x 150

8,0 x 1,2 x 150

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11 7101

**Crosshead screwdrivers assortment – 6-part**

Phillips

PH 1 x 80

PH 2 x 100

PH 3 x 150

Pozidriv

PZ 1 x 80

PZ 2 x 100

PZ 3 x 150

1

11 7145

**TORX® screwdriver assortment with bore – 5-part**

T 8 x 60

T 10 x 80

T 15 x 80

T 20 x 100

T 25 x 100

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11 7300

**Ball end hexagon screwdriver assortment****(hexagon keys) – 5-part**

SW 3 x 100

SW 4 x 100

SW 5 x 100

SW 6 x 125

SW 8 x 150

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11 7220

**Hexagon nutdriver assortment – 5-part**

SW 5,5x 125

SW 7 x 125

SW 8 x 125

SW 10 x 125

SW 13 x 125

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11 7200

**Insulated screw-holding screwdrivers**

Blades made of chrome vanadium steel, with impact-resistant plastic haft and securing device

For slotted 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

For crosshead screws Phillips

PH 0 x 125

215

12

11 0790

PH 1 x 150

250

12

11 0792

PH 2 x 175

275

12

11 0794



Screw-holding screwdriver assortment – 5-part

Flat blade screwdrivers

3 x 0,5 x 100

4 x 0,8 x 125

5 x 1,0 x 150

Crosshead screwdrivers Phillips

PH 0 x 125

PH 1 x 150

1 11 0796



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Precision screwdrivers (electronics screwdrivers)

The optimum tools especially for smallest screws in electronical and electrical components, radio- and hi-fi systems, telephone systems and all communication-technology connections, for precision mechanics, electronics, model making, and similarly precision working, blades made of special steel, colour-code ring for marking the screw system

Flat-blade screwdrivers (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



Crosshead-screwdrivers Phillips (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



Hexagon keys (colour-code yellow)

SW 0,7 x 40	140	12	11 1910
SW 0,9 x 40	140	12	11 1911
SW 1,3 x 40	140	12	11 1912
SW 1,5 x 50	150	12	11 1913
SW 2,0 x 50	150	12	11 1914
SW 2,5 x 60	160	12	11 1915
SW 3,0 x 60	160	12	11 1916



Electronics-screwdrivers-assortment – 7-part

For slotted screws

1,0 x 0,18 x 40	140
1,2 x 0,25 x 40	140
1,8 x 0,3 x 60	160
2,0 x 0,4 x 60	160
2,5 x 0,4 x 75	175
3,5 x 0,6 x 100	200
4,0 x 0,8 x 150	250

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11 1898



Electronics-screwdrivers-assortment – 7-part

For Phillips screws

PH 000 x 40	140
PH 00 x 40	140
PH 0 x 60	160
PH 1 x 80	180
PH 1 x 150	250

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11 1909



Electronics-screwdrivers-assortment – 7part

For slotted screws

2,0 x 0,4 x 60	160
2,5 x 0,4 x 75	175
3,0 x 0,5 x 75	175
3,5 x 0,6 x 100	200
4,0 x 0,8 x 150	250

For Phillips screws

PH 0 x 60	160
PH 1 x 80	180



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11 1901

**Electronics-screwdrivers-assortment – 7part**

For TORX®-screws

T 5 x 50	150
T 6 x 50	150
T 7 x 50	150
T 8 x 60	160
T 9 x 60	160
T 10 x 80	180
T 15 x 80	180

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11 1903

**Electronics-hexagon keys-assortment – 7part**

For hexagon socket screws

SW 0,7 x 40	140
SW 0,9 x 40	140
SW 1,3 x 40	140
SW 1,5 x 50	150
SW 2,0 x 50	150
SW 2,5 x 60	160
SW 3,0 x 60	160

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11 1920

**Electronics-hexagon keys-assortment – 7part**

For hexagon insert bit screws

SW 2,5 x 60	160
SW 3,0 x 60	160
SW 3,2 x 60	160
SW 3,5 x 60	160
SW 4,0 x 60	160
SW 5,0 x 60	160
SW 5,5 x 60	160

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11 1942

**Electronics-safety-screwdrivers-assortment – 7part**

According to IEC 60900:2004

Blade, insulation and handle are not detachable connected with each other,
routine check test in water bath with a testing voltage of 10.000 Volt.

For slotted screws

1,5 x 0,3 x 40	140
1,8 x 0,3 x 60	160
2,0 x 0,4 x 60	160
2,5 x 0,4 x 75	175
3,0 x 0,5 x 75	175

For Phillips screws

PH 00 x 40	140
PH 0 x 60	160



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11 2050



Protection-insulated electronics- and precision-mechanics-screwdrivers

1000 V

High-precise electronics screwdrivers for sensitive screwing and adjusting operations in precision mechanic and electronic fields, model making, etc., in modern 2-components-plastic-technology, bicoloured, plate-shaped turning head for precise fine-adjustment, insulating effective up to 1.000 V AC due to individual tested insulation according to DIN EN 60900:2005, blades made of high-alloy chromium molybdenum special steel with black gunmetal finish tops, GS- and VDE-tested, in solid plastic box with snap lock (195 x 155 x 28 mm), 6-part-assortment, consisting of each time one piece (dimensions of blade in mm)

Flat blade screwdrivers

1,5 x 0,23 x 65	165
2,0 x 0,4 x 65	165
2,5 x 0,4 x 65	165
Crosshead screwdrivers	
PH 00 x 65	165
PH 0 x 65	165
PH 1 x 65	165



1 11 2040

12-in-1-precision screwdriver

Multifunctional electronics screwdriver with exchangeable bits, 5 double-sided bits in inner magazine, screwdriver continuously prolongable from 160 to 215 mm (6 $\frac{1}{4}$ " to 8 $\frac{1}{4}$ "), cap can be used as short screwdriver for sensitive fine adjustment, bits can be magnetized by inserting in the hole in the cap and demagnetized by touching the surface of cap.

Including double-sided bits for slotted screws 2mm – 3mm – 3,5 mm – crosshead screws PH 00 – PH0 – PH 1 – TORX®-screws T 5 – T 6 – T 7 – T 8 – T 10 – T 15

1 11 2100

**Precision clockmaker's-screwdriver-set**

In sheet steel box, screwdrivers with nickel-plated brass handle
6 parts, one piece each 1 – 1,5 – 1,8 – 2,3 – 2,9 – 3,6 mm width of blade

1 11 1810

**Double offset screwdriver**

According to DIN 5200, made of chrome vanadium steel, nickel-plated
For slotted screws



5,0 x 0,65 x 100 12 11 0620

For crosshead screws Phillips

PH 1 + PH 2 x 100 12 11 0630



ASSEMBLY TOOLS FOR SCREWS AND NUTS

Slotted inserts

Allow installation works even on screw connections with introduced cable.



Ring ratchet

The patented precision ring ratchet with tight lock-in position (minimum pivoting angle only 10°) allows controlled and comfortable fastening even in narrowest areas

Spanner-inserts

9 various spanner-inserts cover nearly all types of screwed cable glands from M 12 to M 25

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BITFLEX-Bits

The damping zone (only for bits in 25 mm length) between drive and working top minimizes excessive power peaks, which so far lead to high wear and destroying ejection strength. The FLEX-zone gives an essentially increased lifetime to the BITFLEX in comparison with conventional standard-bits. All bits with $\frac{1}{4}$ "-hexagon drive, length 25 mm

STANDARD

According to DIN 3128, single bits for Phillips 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 crosshead screws Pozidriv



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 slotted 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 boring (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 slotted/crosshead screws in electrical installations, i.e. terminal blocks



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

TIN

TIN, this is the short form of titanium nitrite. This special coating adds an extra improvement of tool life to the anyhow exceeding qualities of BITFLEX.

Single bits for Phillips screws



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

Single bits for crosshead screws Pozidriv



PZ 1		1	11 4525
PZ 2		1	11 4526
PZ 3		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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T-handle magnetic bit holder

In modern two-components-version, for $\frac{1}{4}$ "-bits of all lengths

85 x 95		12	11 4500
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Bit-Box – 10-part

Box cap with star-shaped insert for bits and universal holder
 For slotted screws
 4 – 5,5 – 7 mm width
 For Phillips screws
 PH 1 – PH 2 – PH 3
 For crosshead screws Pozidriv
 PZ 1 - PZ 2 - PZ 3

1 11 4604



Handy bit-boxes

Each time with magnetic bit holder 60 mm. The box is as well directly usable as screw tool.
 With 6 bits
 For slotted screws 5,5 x 0,8 – 6,5 x 1,2



For Phillips screws PH 1 + PH 2



For crosshead screws Pozidriv PZ 1 + PZ 2

1 11 4598



7-part

With 16 bits

For slotted screws 6,5 x 1,2



For Phillips screws PH 1, PH 2 (2 pieces), PH 3



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



For TORX®-screws with boring T 10, T 15, T 20, T 25, T 30, T 40

1 11 4596



17-part

With 2 bits TORX® size T 10 – T 20 – T 25 each time

1 11 4597



7-part

PROBIT-bit box

Transparent, neat storage magazine, due to compact, rounded design and retainer for magnetic bit holder even applicable as hand tool for screws, with 20 screw bits sorted and one magnetic bit holder 60 mm. Content:

For slotted 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, boring T 10, T 15, T 20, T 25, T 30 and T 40

120 x 60

1 11 4600



Bit-assortment ELEKTRO TOP

Set composed of 20 screw bits of the most common types and sizes in electrical appliances, length of bits 90 mm. In functional transport and storage box. Content: 1 universal-bit holder with permanent magnet, length 60 mm, each time 2 pieces of bits

Phillips screws PH 1, PH 2, PH 3



Crosshead screws Pozidriv PZ 1, PZ 2, PZ 3



TORX® size T 10 – T 15 – T 20 – T 25

1 11 4602



21-part



Special-bit-set

Bit-assortment for unscrewing safety screws. Cont.: Each time 1 p. magnetic bit holder 60 mm for $\frac{1}{4}$ " bit drive, bits TORX® with boring (Tamper Resistant) T 6 – T 10 – T15 – T 20 – T 25 – T 27 – T 30 – T 35 – T 40, bits for Allen screws with boring (Tamper Resistant) 2 – 2,5 – 3 – 4 – 5 – 6 mm, $\frac{5}{64}$ " – $\frac{3}{32}$ " – $\frac{7}{64}$ " – $\frac{1}{8}$ " – $\frac{9}{64}$ " – $\frac{9}{32}$ "



Bits slot with recess (Spanner) 4 - 6 - 8 - 10 mm



Bits Tri-Wing TW 1 - TW 2 - TW 3 - TW 4



Bits Torq-Set TS 6 - TS 8 - TS 10 mm

1 11 4599

33-part



NEW

Socket spanners-set – 33-part

$\frac{1}{4}$ " - 4 kt.-drive, hexagon-inserts made of chrome vanadium steel, polished chromium-plated, in metal box.

Reversible ratchet with PosiLock-holding mechanism, slide handle, extenders 50 mm and 150 mm, holder, cardan joint, inserts: hexagon socket spanner SW 4 to 14 mm, hexagon socket (Inbus) 3 to 6 mm, flat-blade screwdriver 0,5 x 4 - 0,6 x 4,5 - 0,8 x 5,5

Crosshead screwdriver PH 1 - PH 2 - PH 3 - PZ 1 - PZ 2 - PZ 3
TORX®-screwdriver T 10 - T 15 - T 20

280 x 130 x 90 mm

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11 3104



Socket spanners-set – 52-part

In robust metal box, tools made of chrome vanadium steel, high-gloss polished and chrome-plated. Content:

Socket-spanner system $\frac{1}{4}$ "



each time 1 piece:

hexagon socket wrench inserts 4 - 4,5 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 13 mm

ratchet with plastic handle, reversible (right-/left-handed rotation), with ball stop and pressing head disconnection against unintended detaching of inserts, with 36-step locking (pivoting angle 10°)

T-handle 295 mm with sliding head

Extender 75 mm

Cardan joint 35 mm

Retainer for $\frac{1}{4}$ " hexagon-bits

Socket-spanner system $\frac{1}{2}$ "



each time 1 piece:

hexagon socket wrench inserts 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm

hexagon socket wrench insert 21 mm, with rubber clamp (spark plug wrench)

ratchet with plastic-handle, reversible (right-/left-handed rotation), with ball stop and pressing head disconnection against unintended detaching of inserts, with 36-step locking (pivoting angle 10°)

T-handle 295 mm with sliding head

Extenders 125 and 250 mm

Cardan joint 65 mm



Screwing-bit-system $\frac{1}{4}$ "-hexagon drive



Each time 1 piece:

Ratchet-screwdriver, optional right-/left-handed rotation resp. lock in middle position, 180 mm

Standard-bits in plastic holder:

Flat-blade screwdriver 0,5 x 4 mm, 0,8 x 5 mm, 1,2 x 7 mm

Crosshead screwdriver PH 1, PH 2, PH 3

Hexagon socket wrench (Inbus) 3 - 4 - 5 - 6 - 7 - 8 mm

$\frac{1}{4}$ "-square drive with ball stop

Additional tools: Each time 1 piece hexagon socket-offset wrenches 1,5 - 2 - 2,5 mm

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11 3152

Bit- and socket spanners assortment

28-part, in agreeable compact two coloured plastic box, socket spanners and ratchet made of chrome vanadium steel, especially hardened, high-gloss polished and with hard chromium plating.

Content: each time 1 piece

Twelve-point socket wrench insert with $\frac{1}{4}$ "-square drive: 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm

Screwing bits made of S2-special steel, 25 mm long; each time 1 bit

For slotted screws 4 - 5 - 6 mm

For Phillips screws PH 1 - PH 2 - PH 3

For crosshead screws Pozidriv PZ 1 - PZ 2 - PZ 3

For hexagon socket (Inbus) screws 4 - 5 - 6 mm

Bit holder with instant lock, 55 mm long, for manual and machine operation

Adapter from $\frac{1}{4}$ "-square drive (i.e. for ratchet) to $\frac{1}{4}$ "-hexagon drive (i.e. for screwing bits), 25 mm long



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11 3154

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Dimension mm

Nº

Ratchet-ring- and open-end wrenches-assortment

Sizes of the jaws in assortment: 8 – 9 – 10 – 11 – 12 – 13 – 14 – 15 – 16 – 17 – 18 – 19 mm
(CIMCO-article-no. 11 2508 to 11 2519), delivery in a robust, capacious tool rolling bag.

12-part

1

11 2505



Ratchet-ring- and open-end wrenches set

Chrome vanadium steel, highly polished and chromium-plated, ratchet with fine serration (72 teeth = only 5° pivoting angle), good applicable even in constricted working areas

Contents:

Ratchet-ring- and open-end wrenches set (size 10, 11, 13 and 17), bits for crosshead Phillips / Pozidriv PH 1 – PH 2 – PZ 1 – PZ 2, bits for slotted screws 4 – 5,5 – 6,5 mm width, Bits for hexagon socket (Inbus) screws SW 5 – SW 6, 10 mm bit-adapter, 1/4" hexagon drive adapter

16-part

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11 2434



Ratchet-ring- and open end wrenches

For detaching or fast tightening screws and nuts with ratchet in one step without follow-up with the ring-ratchet. On one side open-end wrench with 15° right-angle belt, on the other side a ring wrench of similar span of the jaw with implemented ratchet-mechanism with special advantages:

Ratchet with fine teeth: 72 teeth = only 5° minimum pivoting angle. Left- and right-hand-rotation take place by simply turning over of the wrench. The wrenches are of very narrow dimensions in spite of ratchet. Therefore the tools are especially good applicable in constricted working spaces.

Bihexagonal-ring with flank drive, meaning 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 screw heads and nuts are spared. Made of chrome vanadium steel drop-forged, specially hardened, high-gloss polished, nickel-plated and hard-chromium plated. Very high torque transmission, the receivables of DIN are exceeded.

Size of the jaw

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



Double open ended wrenches-sets

According to DIN 3110 and ISO 3318, right-angle belt 15°, made of chrome vanadium steel, bright chromium-plated 8-part 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-part 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



Double open ended wrenches single

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



Dimension mm

Nº

cimco®

Dimension mm		Nº
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Double open ended wrenches single

According to DIN 838 and ISO 3318, deep-offset (75°), made of chrome vanadium steel, bright chromium-plated, 8-part 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
1	11 2432



Bihexagonal ring wrenches single

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



Open-end wrenches-set – 17-part

According to DIN 3113 A and ISO 3318, made of chrome vanadium steel, bright chromium-plated

SW 6 to SW 22, in 1 mm-steps	1	11 2500
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Open-end wrenches single

6 mm	1	11 2450
7 mm	1	11 2452
8 mm	1	11 2454
9 mm	1	11 2456
10 mm	1	11 2458
11 mm	1	11 2460
12 mm	1	11 2462
13 mm	1	11 2464
14 mm	1	11 2466
15 mm	1	11 2468
16 mm	1	11 2470
17 mm	1	11 2472
18 mm	1	11 2474
19 mm	1	11 2476
20 mm	1	11 2478
21 mm	1	11 2480
22 mm	1	11 2482
24 mm	1	11 2484
27 mm	1	11 2486
30 mm	1	11 2488
32 mm	1	11 2490



Adjustable wrenches

According to DIN 3117 A, made of steel forged, chromium-plated, handle PVC-coated, for the fast and flexible executing of basic operations

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



Dimension mm		Nº
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Ratchet tool and inserts for screwed cable glands

Patented, professional tool-system for time-saving, antiskid and comfortable mounting of screwed cable glands, outstanding convenient even in very constricted working areas (minimum pivoting angle only 10°) and while working with screwed cable glands with introduced cable, no damage of screwing, for plastic and metal-screwings of several sizes of the jaw (SW), ratchet and inserts made of special steel precision-made, loading capacity at least 20 Nm

Open ring-ratchet

Slotted ratchet head with removable plastic handle, size of the jaw SW 20 for retaining all following wrench-inserts, simple turning over for right- and left-hand-rotation, therefore ideal in fastening and detaching of screwed cable glands

1 11 5100



Wrench inserts for screwed cable gland ratchet

With retaining SW 20, slotted version (other dimensions on demand, minimum order 100 pieces)

For screwings SW

(dimensions as produced to be attended)

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

Assortment ratchet and inserts for screwed cable glands

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

No. 11 5100 and 9 wrench-inserts Nr. 11 5014 to 11 5030, for all current plastic- and metal-screwed cable glands of several producers up to M 25

11-part

14 - 30

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11 5000



Universal wrench for screwed cable glands

For fastening and detaching screwed cable glands of all kind, automatic progressively adjustable size of the jaw, ratchet-like function with pivoting angle 60°, handily and good applicable even in constricted working areas, with fixed adjustment for continuous working, metal surfaces gunmetal finish, with two-components-plastic handles

For size of jaw mm	Length mm	Weight g		
SW 13 – SW 23	180	180	6	11 5040
SW 24 – SW 36	200	220	6	11 5042
Two-party-set SW 13 – SW 23 and SW 24 – SW 36			1	11 5045

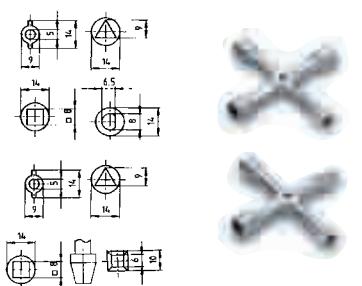
Universal wrench

Made of zinc die-casting (GD-ZN), 90 x 90 mm

With crescent

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11 2882



With external square

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11 2883

Three-square-socket wrench

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

For screws Length of edges (k)

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



cimco®

Mult-Key

A completely new system – every switch cabinet key or universal wrench can be assorted individually.

Choice between 13 different closings. All parts made of robust steel precision casting.

The interchangeable plug-in inserts are fastened captive by a neodymium magnet



Mult-Key-Set

Complete set of four-way rim wrench No. 11 2783, all inserts No. 11 2784 – 11 2797, in plastic storage box

1 11 2798

Four-way rim wrench

With 1/4" retainer. Arms round (9 mm ø). With long chain and screwdriver-bit 7 mm.

1 11 2783

Inserts

For Muti-Key-system

Square socket	6	1	11 2784
	7	1	11 2785
	8	1	11 2786
	10	1	11 2787
Triangle socket	7	1	11 2788
	8	1	11 2790
	9	1	11 2791
	10	1	11 2792
External square	6 - 10	1	11 2795
Two-way key	3	1	11 2793
	5	1	11 2794
Crescent		1	11 2797
DB-Norm		1	11 2796



Switch cabinet keys made of metal

For all usual switch cabinets. Small dimensions, small weight.

With adapter for 1/4"-Bits, with square wrench for ventilating valves on heating radiators and double-bit for:

Slotted screws 1,0 x 7,0 mm



Crosshead screws PH 2



7 - 8 mm

6 mm

5 mm

7 - 8 mm

3 - 5 mm

Universal switch cabinet key

1 11 2894

Switch cabinet key-box

1 11 2898

Switch cabinet key "Mini"

1 11 2891



Special switch cabinet key DB

Version as universal switch cabinet key No. 11 2894, but instead of 6 mm-square wrench with closing for Daimler-Benz-norm

10 11 2895



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Universal key PROFI KEY

Made of zinc diecasting, with chain, adapter for $\frac{1}{4}$ "-bits and double-bit for:

Slotted screws 1,0 x 7,0 mm



Crosshead screws PH 2



5 mm

7 mm

8 mm

9 - 10 mm

4 - 10 mm
(i.e. ventilating valves on heating radiators)



Ideal for heating installation and in new housing. Configuration:

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11 2922

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Universal Key for New Buildings

Solid metal key made of malleable iron. Content:

Inner square 6, 7 and 8 mm, Outer square 6-10 mm, for doors and windows without armatures

Inbus-key for grub screws on door knobs. Pin for opening and closing of profile-cylinder locks (17 mm dia.)

Depth gauge for built-in locks 22-75 mm

Bottle opener



195

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11 2890

**SuBKey "Elektro" – Universal Wrench for Switch Cupboards**

For all common switch cupboards, By means of double turning mechanism 4 different universal wrenches for switch cupboards can be put into position. Useable for all customary bits, which are kept safely in the wrench by a Neodym-Permanent Magnet. Weight: approx. 120 g

Bits for:

Phillips screws PH 2



5 mm

6 mm

7-8 mm

9 mm

3 - 5 mm

145

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11 2994

**Wrench for dowel screws**

With laquered wooden handle, matching for all sizes

175

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14 0100

**Wrench for dowel and contact screws**

Combined, applicable for dowel screws 2 – 63 A, haft made of insulating material

105

10

14 0102



MEASURING AND TESTING INSTRUMENTS



Multifunction

With the clip-on ammeter alternating and direct current, alternating and direct voltage, electrical resistance and transmission can be tested.

Energy saving function

After about 10 minutes after last operation the instrument switches automatically into SLEEP-mode with only 35µA current consumption for battery-saving

Data-Hold-button

By pressing the button the measuring result is held on LCD for easier reading.

Liquid-crystal display

Good readable display via great LCD with max. 4199 digits.

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Dimension mm

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Voltage and transmission-tester ALPHA

Voltage test 12 V to 690 V AC/DC, automatic AC/DC-detection, automatic polarity indicating, testing current < 3,5 mA, integrated single-pole test for phase-detection even without counter-electric potential, acoustic signalization and optical display via extra bright LED-bar display (+12 V, -12 V, 24 V, 50 V, 120 V, 230 V, 400 V, 690 V, single pole, transmission), voltage display even without resp. with empty batteries, transmission-check with optical display and acoustic signalization, resistance range 0 to 400 kΩ, patented bipolar phase sequence indicator (100 to 690 V), battery-check-function, integrated lighting of measuring point, captive protection for test prod, broad skid-protection, fast single-hand testing on power outlets via fixed contact clearance 19 mm, power supply 2 batteries 1,5 V IEC LR603



1 11 1420

2-pole voltage-tester with Fl-test-function

Transmission-check, AC/DC-polarity-display, phase-detection, test-function for residual current circuit breaker (RCD, nominal residual current Is = 32 mA) voltage steps +/- 12 V, 50 V, 120 V, 230 V, 400 V, 690 V, transmission and semiconductor-test 0 – 1 MΩ, max. current consumption IS = 52 mA, input resistance about 20 kΩ, optical display via LED (transmission-, semiconductor-test, phase-detection via LED-symbol R), accuracy of indication +/- 15%, incl. 2 batteries type 357 1,5 Volt button cells



1 11 1462

Voltage tester DUSPOL EXPERT

Display of direct and alternating voltage from 12 – 750 V (LED), display-steps: 12, 24, 50, 120, 230, 400, 690 V, additional vibration alert for voltage detection, transmission-/semiconductor-test 0 – 90 kΩ (buzzer and LED), phase sequence-/phase-test (LCD), polarity-test (LED), load-connection via push button: IS ≤ 200 mA, with exact illumination of dark test points, degree of protection IP 64 (dust-tight/splash-proof), tested and certified according to IEC 61243-3, VDE 0682 part 401, incl. 2 x 1,5 V Micro-batteries (LR03/AAA)



1 11 1433

Voltage tester DUSPOL ANALOG

Display of direct and alternating voltage from 12 – 750 V (LED/plunger), display-steps: 12, 24, 50, 230, 400, 500, 750 V, additional vibration alert for voltage detection, phase sequence-/phase-test (LCD), polarity-test (LED), load-connection via push button: IS ≤ 50 mA, degree of protection IP 64 (dust-tight/splash-proof), tested and certified according to IEC 61243-3, VDE 0682 part 401



1 11 1430

Voltage tester DUSPOL DIGITAL PLUS

Illuminated 3-digit LCD-display for direct and alternating voltages from 1,5 – 750 V, additional vibration alert for voltage detection, phase sequence-/phase-test (LCD), polarity-test (LED), load-connection via push button: IS ≤ 200 mA, with exact illumination of dark test points, degree of protection IP 64 (dust-tight/splash-proof), tested and certified according to IEC 61243-3, VDE 0682 part 401, incl. 2 x 1,5 V Micro-batteries (LR03/AAA)



1 11 1427

Voltage- and transmission tester DUSPOL COMBI

Display of direct and alternating voltage from 12 – 750 V (LED), display-steps: 12, 24, 50, 120, 230, 400, 750 V, additional vibration alert for voltage detection, transmission and semiconductor-test 0 – 600 kΩ (LCD), phase test (LCD), polarity-test (LED), load-connection via push button: IS ≤ 200 mA, degree of protection IP 64 (dust-tight/splash-proof), tested and certified according to IEC 61243-3, VDE 0682 part 401



1 11 1428

Safety-voltage tester PROFIPOL

With polarity-display, display of phase to protective conductor (PE), for direct and alternating voltage from 6 – 400 V via LED, diode-display (LED) +/- 6 V, 12 V, 50 V, 120 V, 230 V, 400 V, polarity-display via LED, current consumption 30 mA, degree of protection IP 65 (dust-tight/water-proof), approved for inner and outer areas.



1 11 1425

Transmission- and conduction-tester DUTEST

With additional flashlight-function (permanent light) and two-step range-display: 0 – 900 Ω/0 – 90 kΩ via LED and buzzer, visual via diode-display (LED), acoustical via buzzer, low-impedance measuring range: 0 – 900 Ω, high-impedance measuring range 0 – 90 kΩ, with external voltage protection, degree of protection IP 40, tested and approved according to VDE 0403



1 11 1435

Dimension mm

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cimco®

Transmission tester

For resistance-, semiconductor-, polarity- and capacitor-test (0,01 to 1000 μF), with acoustic and optical display with resistance dependent tone pitch, resistance range 0 to 200 $\text{k}\Omega$, testing current about 2,2 mA, display for external voltage > 50 V, voltage-stable up to 600 V, power supply 1 battery 9 V IEC 6LR61, weight 230 g

100 x 50 x 25

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Digital pocket-multimeter

In check card format, with wide measuring range and high precision: automatic measuring range control, measuring of direct current and alternating voltage each time up to 400 mV / 4 V / 40 V / 400 V / 600 V, frequency measuring up to 10 Hz / 100 Hz / 1 kHz / 10 kHz / 100 kHz / 1 MHz / 10 MHz, resistance measuring up to 400 Ω / 4 $\text{k}\Omega$ / 40 $\text{k}\Omega$ / 400 $\text{k}\Omega$ / 4 $\text{M}\Omega$ / 40 $\text{M}\Omega$, relative function for difference measuring, diode-, capacitance- and transmission-test, reading via great LC-Display (max. 3999), data-hold-button for easier reading, transmission test with acoustic signalization, automatic switch off about 15 minutes after last operation (energy saving function), overload protection 3700 V AC, weight only 70 g incl. batteries, extent of delivery incl. 2 batteries LR 44 (1,5 Volt), 1 set measuring cables integrated as well as carrying- and protection briefcase.

107 x 54 x 10

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Digital multimeter

Compact multimeter with wide measuring ranges and high precision: direct, automatic or manual measuring of direct and alternating current each time up to 400 mV / 4 V / 40 V / 400 V / 600 V, 400 μA / 40 mA / 400 mA / 4 A / 10 A, frequency measuring up to 5,12 Hz / 51,2 Hz / 5,12 kHz / 51,2 kHz / 512 kHz / 5,12 MHz / 10 MHz, resistance measuring up to 400 Ω / 4 $\text{k}\Omega$ / 40 $\text{k}\Omega$ / 400 $\text{k}\Omega$ / 4 $\text{M}\Omega$ / 40 $\text{M}\Omega$, relative function for difference measuring, diode-, capacitance- and transmission-test, reading via large LC-Display (max. 3999), data-hold-button for easier reading, transmission test with acoustic signalization, charge control display, automatic switch off about 30 minutes after last operation (energy saving function), overload protection 3700 V AC for 1 minute, weight only 260 g incl. batteries, extent of delivery incl. 2 batteries R6P (1,5 Volt), each time 1 fuse 0,5 A / 250 V and 10 A / 250 V, 1 set measuring cables as well as rubber protection-holster.

155 x 75 x 33

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Clip-on ammeter-adapter

In combination with every digital multimeter with 200 mV/2 V-alternating current-range current-measurements can be performed. The connection takes place directly on the 4-mm input port of the multimeter.

Measuring range: 0 A to 300 A at 1,5% +/- 2A, conversion 1 A AC correlates 1 mV, operating temperature: 0°C to 50°C, opening width max. 28 mm

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Clip-on ammeter measuring instrument

One-hand operation, opening width 30 mm, measuring ranges 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 , accuracy of measurement +/- 2 %, (data-hold-button for easier reading, transmission-test with acoustic signalization, charge control 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, extent of delivery incl. 2 batteries R03 (1,5 Volt) and 1 set measuring cables

184 x 44 x 27

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Digital clip-on ammeter measuring-instrument AC/DC

Small, handy clip-on ammeter measuring instrument for one-hand operation, opening width of the tongs 30 mm, display via large LC-display (max. 4199 digits), data-hold button for easier reading, charge of battery is displayed, current consumption about 15 mA, automatical switch-off after about 10 minutes after last operation (energy saving function with only 35 μA current consumption for battery saving), overload protection for 10 seconds AC/DC 480 A resp. 720 V with signalization in LC-display, according to IEC 61 010-1CAT.III 300 V.

Each time two self-adjusting measuring 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 μ +/- 3 %) and up to 400 A (+/- 4 %),

Alternating voltage AC: up to 400 V (+/- 2 %) and up to 600 V (+/- 4 %), %, 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 %)

Transmission test: with acoustic signalization at 50 Ω +/- 35 Ω .

Weight only 200 g incl. batteries, extent of delivery incl. 2 batteries R03 (1,5 Volt DC),

1 set of measuring cables and working instructions

187 x 68 x 38

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1 Measuring cables

On both sides with 4 mm-safety-plug-technique according to DIN VDE 0411/EN 61010/IEC 61010, one side straight, one side angled, PVC-insulated highly flexible 0.8-mm-measuring cable, maximum admissible current up to 16 A, voltage circuit category CAT III / 1000 V, length 1 m



red	1	11 1470
black	1	11 1471

2 Testing spikes

With 4 mm-safety-plug-technique according to DIN VDE 0411/EN 61010/IEC 610, short version, maximum admissible current up to 16 A, voltage circuit category CAT III / 1000 V

With 2-mm tips made of high-grade steel, length 102 mm



grey / red	1	11 1472
grey / black	1	11 1473
2-party-set grey / red and grey / black	1	11 1474

With 4-mm tips, length 109 mm

grey / red	1	11 1475
grey / black	1	11 1476
2-party-set grey / red and grey / black	1	11 1477

3 Alligator clips

With 4 mm- plug-technique according to DIN VDE 0411/EN 61010/IEC 610, opening about 21 mm, maximum admissible current up to 16 A, voltage circuit category CAT III / 1000 V



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

4 Set of Measuring Cables 6 pcs.

Contents: each 1 pc.

Measuring cable 1 m red	11 1470
Measuring cable 1 m black	11 1471
Testing spike with 2 mm tip grey / red	11 1472
Testing spike with 2 mm tip grey / black	11 1473
Alligator clip grey / red	11 1478
Alligator clip grey / black	11 1479
	1 11 1485



5 Non-contact voltage-tester VOLTFIX

Non-contact, optical and acoustic detection of alternating voltages, fast, exact locating of line breaks in exposed cables, i.e. cable reels. Compact, handy type, to carry in every pocket.



Great field of operation in craft, industry, including 2 batteries 1,5 Volt

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

Non-contact, optical and acoustic detection of alternating voltages, optical signal for detection of magnetic fields, i.e. on magnet coils or permanent magnets. Fast, exact locating of line breaks in exposed cables, i.e. cable reels, including 2 batteries 1,5 Volt.



50 to 600 Volt AC, 50 to 500 Hz
1 11 1465

7 Metal- and voltage-detector

Non-contact voltage location for voltages AC 50 – 300 V up to 100 mm depth, metal location up to 40 mm depth, optical display and acoustic signalization



1	11 1416
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8 Phase-tester

With transparent, shock-resistant plastic haft tested according to VDE, SB-bag

W mm	L mm	Testing range Volt			
3,0	65	100 - 250 AC	140	12	11 1280
3,5	100	100 - 250 AC	190	12	11 1288

Phase-tester

With transparent, shock-resistant plastic haft, in SB-bag (no approval for Germany)

W mm	L mm	Testing range Volt			Nº
3	45	100 - 500 AC	125	12	11 1320

**Phase-tester**

With submerging screwdriver-blade

W mm	L mm	Testing range Volt			Nº
4	25	100 - 250 AC	140	12	11 1300

**Phase-tester EURO**

With surrounding slip-protection

W mm	L mm	Testing range Volt			Nº
3,5	14	125 - 250 AC	190	12	11 1290

**Cable-detective**

Testing instrument for network-copper cables for detection of connection-mistakes in ready-made data-cables and complete installations. All coax-connections with BNC/TNC-plugs, USB-cables as well as all UTP/STP-cablings with 6- or 8-pole modular-plug-connections can be checked for power interruption, PIN-configuration and short circuits in a matter of seconds, both for the single conductor and for the shielding. With optical (LED) display and acoustic signalization of mistakes. The time-consuming, nerve-racking and expensive search for cable mistakes is reduced to a minimum with the "Cable detective". Already for long periods laid cables up to 200 m can be tested by only one person. In functional belt-bag, extensive instruction manual. For 9-Volt-E-compound-battery.

145 x 86 x 26 mm	1	11 1440
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CABLE SPOOLING AND PULLING SYSTEMS



Combination

With the connection stand the cable length counter fixed to the CIMCO-cable drum dispensers TROMMELFIX 200 and TROMMEL-FIX 700. The measuring instrument becomes a stationary tool for measuring cut lengths of cable for customers.

Measuring instrument

For fast and exact measuring of cable lengths with a wide area of application via automatic adjustment of cable sizes, for of cables and similar winding materials from 4 mm to 35 mm diameter.

Application

The flat, low laying ramp allows unproblematic retaining of cable drums. Collateral guiding devices avert slipping off.

Mobility

The CIMCO-cable drum dispenser TROMMEL-FIX 200 can be equipped with a set of rollers, which provides highest mobility on site

Cable-de-coiling- and reel off devices

Cable ring de-coiler

For winding materials as cables of all kind and flexible pipes for electrical installation, made of powder coated steel tube, for horizontal and vertical spooling and unwinding of cable rings from 110 mm inner- and max. 300 mm outer diameter, fast adjustable to different ring-diameters via self-fixing guidings, with 3 non-skid rubber feet, carrying handle and fast-spooling crank handle, carrying force up to 70 kg.



The unwinding and pulling in of multiple cables at the same time is made easier, when several separator disks (CIMCO-article-nr. 14 2742) are mounted on the cable ring spooler.



The cable length-measuring device can be mounted on the cable ring spooler without problems. Simply pull off the plastic handle of cable ring spooler, slip on the measuring tool und fix it with hexagon socket screw.



H x W x L mm

570 x 460 x 400

1

14 2740

Cable drum dispenser TROMMELFIX

Extremely robust cable drum unrolling device made of powder coated steel sheet, with carrying handle and four height-adjustable, non-skid rubber feet, flat ramp, with two carrying rolls, lateral drum guiding mechanism

TROMMELFIX 200

Carrying force up to 200 kg, max. drum ø 700 mm, max. drum width 530 mm, distance between rollers can be varied by positioning the rollers into another position (200, 300 and 400 mm), weight 15,7 kg

120 x 600 x 635 mm

1

14 2750



TROMMELFIX 700

Carrying force up to 700 kg, max. drum ø 1000 mm, max. drum width 530 mm, distance between rollers can be varied by positioning the rollers into another position (200, 300, 400 and 500 mm), weight 26 kg

160 x 750 x 780 mm

1

14 2752

Transport set for Cable drum dispenser TROMMELFIX 200

Helpful addition for the mobile application of cable drum dispenser 200 kg (No. 14 2750). Set consisting of:
4 screw-on wheels (2 of those slewing, 2 with parking brake); plug-in type rod assembly for pushing and pulling even a loaded cable drum dispenser including retainer for cable length measuring instrument No. 14 2745; stable ramp made of corrugated steel sheet steel for heavy-weighted cable drums, with 4 anti-skid rubber feet and carrying handle, 2 screw-on retainers for connection of cable drum dispenser and rod assembly; mounting instruction. The Trommelfix is assembled quickly and can be used as a retrofit kit even with older CIMCO-cable drum dispensers.

1

14 2754



De-coiler for one-way-drums

For cable drums up to 800 mm diameter and max. 200 kg, especially advantageous with damaged cable drums, by a second upper axle perfectly practical for the simple spooling, de-coiling and rewinding of small cable and wire profiles. Folding, thereby comfortable and space saving transport in vehicle.

De-coiler basic device 980 x 800 x 200 mm

1 14 2730

Additional second axle

1 14 2732



Aluminium roller rail

Antiskid by rubber coating,

For cable drums of any width; aluminium body, with plug-in rollers

Carrying force/pair Drum ø max. H x W x L mm

300 kg 800 mm 152 x 120 x 590

1 pair 14 2700

1000 kg 1200 mm 220 x 140 x 1000

1 pair 14 2702



1 Cable length handheld measuring device

Measuring device for fast and exact detection of cable lengths, wide range of application for all kinds of cables and similar winding materials from 4 – 35 mm Ø, automatic cable-size adjustment via pressure clamp, german brand counter with high accuracy of measurement, measuring range 0 to 9999,9 m, set to zero by reset-lever, knurled measuring wheel made of aluminium, unscrewable handle for mobile application on site, stocks, workshop etc., with retainer shaft for stationary application in conjunction with all CIMCO-TROMMELFIX-decoilers and the CIMCO connection-stand, even mountable for the cable ring de-coiler Nr. 14 2740

4 - 35 mm Ø

1

14 2745



2 Connection stand for cable length handheld measuring device

With the connection-stand the length handheld measuring device is fixed to the CIMCO-cable drum dispensers Trommelfix 200 and Trommelfix 700. Thereby the measuring device becomes a stationary appliance for cut to size of all customary cable drums. Manifold adjustable in height and length as well as slewable by lock-type roller, thereby adaptable to all individual working and space situations, assembling in a few seconds by simple sticking one part into the other, ideal for all cable drum stores of wholesale traders, retailers and on site, weight only 3,5 kg

1

14 2748



3 Cable drum lifters

Practicable on site, robust and compact steel construction, zinc coated resp. powder coated. For the assortment of a complete lifting device each time two lifters and a for this purpose fitting axle are needed.

Cable drum Ø mm min.	Max. loading capacity/pair kg max.	Method of actuating	Specialty	Order-Nr.
500	1600	4000	Manual spindling	- 14 2320
500	1600	4000	Pumping by foot	Quick adjustment 14 2322
500	1600	2000	Manual levering	- 14 2324
700	2200	10000	Pumping by foot, pre-adjustment by snap-in of axlebox casings	Quick adjustment, mobile 14 2326
700	3200	10000	Pumping by foot, pre-adjustment by snap-in of axlebox casings	Quick adjustment, mobile 14 2328

Further lifters for cable drums up to 20.000 kg are available on demand.

4 Cable drum spindle lifter

For cable drums with Ø 500 mm to 1600 mm, lifting height greater than 100 mm, loading capacity 4000 kg per pair, overall height 640 mm, floor space 400 x 200 mm, weight 13,2 kg

1

14 2320



5 Hydraulic cable lifter

With hand-operated pump, 3-fold height-adjustment, for cable drums with Ø 500 mm to 1600 mm, lifting height 100 mm, loading capacity 4000 kg per pair, overall height 620 to 960 mm, floor space 400 x 200 mm, weight 16,3 kg

1

14 2322



6 Cable lifter

Closely stepped height-adjustment of axlebox casings via catches, for cable drums with Ø 500 mm to 1600 mm, lifting height 60 mm, loading capacity 2000 kg per pair, overall height 900 mm, floor space 630 x 310 mm, weight 14 kg

1

14 2324



7 Cable lifter HYDOKAT

Hydraulic cable drum lifter, mobile, so that it can be positioned easily on the cable drum by one person, safe load suspension by double pillars, 7-step resp. 13-step height adjustment of axlebox casings by catches, lifting height 150 mm, loading capacity 10000 kg per pair, floor space 540 x 340 mm

For cable drums with Ø Overall height Weight

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



Drum axles

Made of heavy zinc coated steel tube

Loading 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 straps

Made of zinc coated steel

For axle diameter 51 mm	0,8 kg	1	14 2335
For axle diameter 76 mm	1,2 kg	1	14 2336



Cable pulling devices

Pulling-perlon wires

Made of drawn monofilament, with massive steel-end pieces and additional ???locating spring???, about 130 mm long, pulling ears on both sides, material diameter 4 mm, tensile strength 900 N

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



Crimping pliers for cable pulling perlon band repair

Toggle joint crimping pliers with ratchet automatic and square profile-crimping inserts, for repairing CIMCO-perlon pulling bands with 4 mm diameter, delivery with each time 5 pieces steel-pulling ears and locating spring-pulling ears-end pieces

220	1	10 6114
End piece/ear for perlon band	1	14 0065
Locating spring for perlon band	1	14 0067
Coupling for perlon band	1	14 0069



Pulling spirals EFLEX

Made of 4-fold twisted steel wire spirals, with massive steel-end pieces, spindle diameter 4 mm, 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



Pulling steel bands

With 2 pulling ears, high-frequency induction welded, band size 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 pushing in of many usual cables in short conduits. Simply screw cable pilot by hand on cable, lead cable through, turn off cable pilot. Spares the operation steps leading through the cable pulling device, attaching the cable on pulling ears or cable grips, winding and unwinding of cable pulling device; set consisting of cable pilot small (for coaxial cables, NYM 3 x 1,5 mm² etc) and cable pilot great (for cables NYM 3 x 2,5 mm² – 5 x 1,5 mm² – 5 x 2,5 mm² etc)

1	14 2188
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Cable guide heads for service line cables

Functionality as cable pilot, meaning simple screwing on end of cable and direct pushing into short circuits (about 10 to 20 m), no damage of already installed cables, no application of expensive buried cable installation systems needed, made of solid aluminium

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

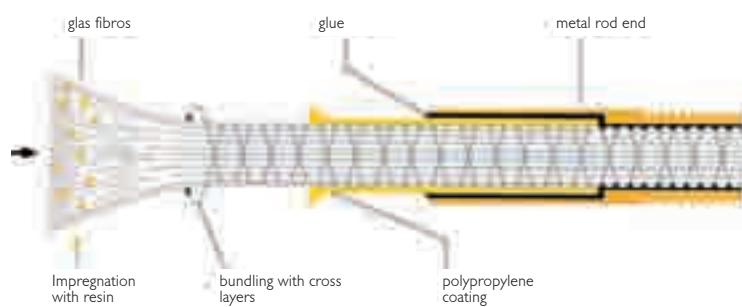




Rational cable pulling systems

for electrician professionals

Polykat®-fibreglass rods are the basic elements of all cable pulling systems from Katimex. The combination of extreme bending strength und highest shear strength gives the attributes of a flexible pole to the rod. Therewith very small bent radii are possible and tight bends of pipes are easily passed through. The smooth plastic outer coating has brilliant sliding properties and reduces the friction resistance to a minimum. It is also highly resilient. The high elasticity of Polykat®-fibreglass rods allows the construction of unequalled small, compact and handy products.



	KatiBlitz	KatiBlitz vario	Cablemax	Cablejet	Pipe eel	
Diameter of glass fibre rod	3,0 mm		4,5 mm	7,2 mm	9,0 mm	11,0 mm
Minimum bend radius	50 mm		100 mm	160 mm	200 mm	250 mm
Breaking strength of rod	5,0 kN		10,3 kN	28,0 kN	40,0 kN	65,0 kN
Tested tensile strength of connection rod – bush	1,0 kN		1,5 kN	7,5 kN	10,0 kN	15,0 kN
Fixing bush – rod	Bonded		Bonded and pinned			
Usual diameters of conduits up to nominal diameter	30 mm		60 mm	80 mm	100 mm	250 mm
Maximum pulling length up to	50 m	30 m	80 m	120 m	150 m	500 m
Screw thread of rod end and coupling	M 5		M 12			
Typical areas of application	Domestic installation, power and antenna cables, telephone lines, intercoms and video systems		Industrial installation, cable duct and under-floor cabling, cablings on suspended ceilings	Signalling equipment (traffic light posts), street lighting, ground- and communication cabling	Underground line construction, telecommunication and power cabling	
Available accessories						
Reserve resp. extension rod	Nr. 14 2120 ff	x	Nr. 14 1808 ff.	Nr. 14 2225 ff.	Nr. 14 2240 ff.	Nr. 14 2250 ff.
Reserve magazine	x	On demand	x	x	x	x
Rod ends	Nr. 14 2142		Nr. 14 1842	Nr. 14 2230	Nr. 14 2285	Nr. 14 2286
Connectors	Nr. 14 2146		Nr. 14 1846	Nr. 14 2231	Nr. 14 2290	Nr. 14 2291
Pulling eyes	Nr. 142144			x	x	x
Guiding head ???	x	x	Nr. 141844	Nr. 14 2280		
Spring-guiding heads	Nr. 14 2130 ff.			x	x	x
Shackle with 10 mm-bolt	x	x	x	Nr.14 2292		
Cable grips	Nr. 14 2498 ff.			Nr. 14 2506 ff.		
Special adhesive	Nr. 14 2192			Nr. 14 2193		
Special pulling handle	Nr. 14 2190			x	x	
Cable lubricant	Nr. 14 2194 bis Nr. 14 2197					
Additional accessories	Cordless drilling machine drive for KatiBlitz compact Nr. 14 2350		Cordless drilling machine drive for Cablemax Nr. 14 2352		Length measuring instrument for pipe eel Nr. 14 2310	
	Length measuring instrument on demand		Length measuring instrument on demand		Anti-torsion swivels, ratched devices, pipe cleaning and channel brushes on demand	

KatiBlitz Locating – Cable Pulling with Comfort

Same tool as Kati Blitz, but additionally with locating function, specific discovery and trail of tubes or blocked places.

With the well-known POLYKAT-Fibreglass Rods in impact-resistant box. No moveable external pieces.

With integrated accessories compartment and KATIGRIP power disc, two flexible guide heads 7 and 10 mm Ø,

5 rod ends, 3 splices, 5 pulling eyes, 1 cable grip 6-9 mm Ø, 1 special adhesive (3 g)

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



NEW



KATI Blitzcompact – Cable pulling with comfort

With integrated accessory-assortment and special pulling handle KATIGRIP, 1 guide head 7 – 10 mm Ø, 5 rod ends, 3 splices, 5 pulling eyes, 1 cable grip 6 – 9 mm Ø, 1 glass fibre fix-adhesive (bottle 3 g)

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

KatiBlitz vario

Kati-Blitz vario is the actual top-product from KATIMEX for domestic installation. It has a removable magazine, in which the glass fibre rod is kept. With a new crank drive the rod can be reeled out and winded up fast as lightning, without knots or loops. The complete accessories are always handy in the magazine case.

The robust and shock-resistant housing is lightweight and compact. The accessory and spare parts for KatiBlitz vario and KatiBlitz compact are identical. Accessories supplied: 2 guide heads 7 mm and 10 mm, 5 pulling heads with eyes made of brass with screw thread M 5, 1 special pulling-handle KATIGRIP, 1 cable grip with integrated swivel for cables 6 – 9 mm, 5 rod ends made of brass with screw thread M 5, 3 splices made of brass, 1 bottle glass fibre fix-adhesive

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



NEW

KatiBlitz Locating-Pulling Rod

for KatiBlitz compact and KatiBlitz vario, with 2 rod ends

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



Guide head

Brass; with internal thread M 5, fitting for all lengths as well as for all Cabelmax-devices

Head-Ø			
7 mm	1	14 2130	
10 mm	1	14 2132	
13 mm	1	14 2134	



Guide head-assortment

With each time 1 guide head 7, 10, 13 mm Ø

	1	14 2140
	1	14 2142



Pulling eye

Brass, with internal thread M 5, fitting for all lengths as well as for Cabelmax-devices

	1	14 2142
	1	14 2144



Rod end

Brass with external thread M 5, fitting for all lengths

	1	14 2144
	1	14 2146

	Dimension mm		Nº	
1	Splice Brass, fitting for all lengths	1	14 2146	
2	Cable grip Without loop, with non-swirl coupling, internal thread M 5 For cables 6 - 9 mm ø	1	14 2152	
3	Service-set for KatiBlitz Accessory- and spare parts-assortment for all KatiBlitz-products, consisting of			
4	5 rod ends	14 2142		
5	5 pulling eyes	14 2144		
6	3 splices	14 2146		
7	1 glass fibre fix-adhesive	14 2192		
8	14-part	1	14 2150	
9	Cabelmax – the underfloor-cable pulling system of professional class For unproblematic pulling of cables in empty or already occupied cable channels or pipes up to 60 mm ø Cable pulling device for underfloor installation systems complete with fibre glass profile 4,5 mm ø, 2 rod ends M 5, guiding head 11 mm ø with pulling eye 6 mm ø			
10	ECONOMY-version	40 m	1	14 1796
11	Steel tube frame with ball-bearing aluminium-winder	60 m	1	14 1802
12	Steel tube frame with ball-bearing aluminium-winder	80 m	1	14 1806
13	Cabelmax-spare rod Glass fibre profile 4,5 mm ø, on both ends located rod ends M 5, 1 guiding head 11 mm ø with 1 pulling eye 6 mm ø			
14	40 m	1	14 1808	
15	60 m	1	14 1812	
16	80 m	1	14 1816	
17	Rod end Brass with external thread M 5	1	14 1842	
18	Pulling head Brass, 11 mm diameter with internal thread M 5 and pulling eye 6 mm ø	1	14 1844	
19	Splice Brass	1	14 1846	
20	Service-set for Cabelmax Consisting of 5 rod ends, 3 splices, 1 guiding head with eye and 1 bottle special adhesive. Weight about 45 g	1	14 2163	
21	Cordless drilling machine drive for KatiBlitz and Cabelmax The drive for the pulling systems KatiBlitz and Cabelmax allows the comfortable motive pulling of the fibre glass rods in conduits and underfloor installation systems by connecting to a commercial and usually on site available cordless drilling machine. Especially in cabling of long distances the advantages of pulling "at the flick of a switch" appear. The velocity is individually regulable. Weight only 270 g.			
22	Drive for KatiBlitz	1	14 2350	
23	Drive for Kabelmax	1	14 2352	
24				
25				
26				

Cabeljet – the variable cable pulling system

Zinc-plated, folding steel tube frame completely with glass fibre rod 7,2 mm ø, 2 rod ends M 12, guiding head 25 mm ø, shackle with bolt, splices and clamping sleeve, 1 special adhesive

40 m	1	14 2220
60 m	1	14 2221
80 m	1	14 2222
100 m	1	14 2223
120 m	1	14 2224



Cabeljet-spare rod

Glass fibre rod 7,2 mm ø, 2 rod ends M 12, guiding head 25 mm ø, shackle

40 m	1	14 2225
60 m	1	14 2226
80 m	1	14 2227
100 m	1	14 2228
120 m	1	14 2229



Rod end

Brass, with external thread M 12

1	14 2230
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Splice

Brass, for glass fibre rod 7,2 mm ø

1	14 2231
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Pipe eel – the cable pulling system for underground cabling

Zinc-plated steel tube frame, mobile on rollers, ball bearing winder with integrated lock, complete with glass fibre rod, two rod ends M 12, guiding head 25 mm ø, shackle, splices and clamping sleeve, 1 special adhesive

Rod size ø	Winder-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 on demand

Pipe eel-spare rod

Two rod ends M 12, guiding head 25 mm ø, shackle

Rod size ø	Length m		
9 mm	40	1	14 2270
	60	1	14 2271
	80	1	14 2272
	100	1	14 2273
	120	1	14 2274
	150	1	14 2279
11 mm	150	1	14 2275
	200	1	14 2276
	250	1	14 2277
	300	1	14 2278



Rod ends

Brass, external thread M 12

For rod 9 mm ø	1	14 2285
For rod 11 mm ø	1	14 2286



Splices

Brass

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



Special versions cable grips

Short-term available are different special cable grips for specific applications, i.e.

greater dimensions

cable grips with lateral loop

divided cable grips

multiple cable grips, i.e. for simultaneous pulling of three single-core power cables into one common pipe

Kevlar-strengthened plastic cable grips (not conductive, antimagnetic)

Multistage highly flexible cable grips for optical waveguides

Cable grips for open line construction

Cable grips made of high-grade steel-strands



Please ask for the desired cable grips.

Wire- and cable connector grips

For fast setting up a non-positive connection between two cables or wires. They are used where existing cables or wires should be replaced by new ones, i.e. replacement of outdated underground cables, pulling new wires into cranes. Hand-plaited made of zinc-plated steel wire-strands, nominal working mesh length 1200 mm

Cable-Ø mm	practical breaking load	max. pulling force		
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



Products for wire- and cable installation

An extensive assortment of installation tools for cabling and wiring in trenches and shafts (i.e. pulleys and corner rolls, cable-protection bends and manhole cable guide bows, cable sockets) is short-term available. Please ask.



Manhole cover lifter

Made of zinc-plated steel, weight 0,6 kg

320 mm x 155 mm

1 14 2300

Special pulling handle KATIGRIP

For fast and safe pulling of all pulling wires from 3 to 11 mm Ø
(flat steel, spiral wire, plastic and glass fibre wires)

1 14 2190

Glass fibre-special adhesive

For Katiblitz and Cabelmax

3 g

1 14 2192

Glass fibre-special adhesive

For Cablejet and pipe eel, thick

20 g

1 14 2193

Cable lubricant GLIT

Safe sliding film wax-water-based for all cables and lines, minimizes the friction resistance up to 50% during pulling cables into smooth or corrugated ducts and protects from damages of cable jacket that way, can be sprayed and pumped, water-soluble, silicon-free, skin-friendly, not flammable, not conductive

Tube 200 ml	0,2 kg	1	14 2194
Bucket 1 Liter	1,1 kg	1	14 2195
Bucket 5 Liter	5,2 kg	1	14 2196
Bucket 10 Liter	10,4 kg	1	14 2197



Silicon-spray

An ideal slide-, protection-, maintenance- and release agent, makes cable pulling easier, protects contacts from moisture, maintains rubber-, plastic- and metal parts

400 ml

12 15 1004



SHEARS

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Edges

The precise geometry of the edges allows the trouble-free cutting of both extremely flexible and large conductors up to 45 mm Ø (copper and aluminium)

Design

Ergonomic form of legs as well as optimal leverage due to ratchet mechanism ensure one-hand operation with minimal expenditure of energy.

One hand cable cutter

For copper and aluminium cable,

Excellent cutting capacity, clean and non-deforming cut, drop-forged, precision polished, adjustable screw-joint, 2-component plastic grips

For cable ø Solid mm² Flexible mm²

16 mm 16 50 160

6

12 0104



NEW

1000 V One hand cable cutter

For copper and aluminium cable,

Excellent cutting capacity, clean and non-deforming cut, with double-coated insulation

For Cable ø Solid mm² Flexible mm²

16 mm 16 50 160

6

12 0206



NEW

One hand cable cutter

For copper and aluminium cable,

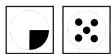
Excellent cutting capacity, clean and non-deforming cut, drop-forged, precision polished, adjustable screw-joint, 2-component plastic grips

For Cable ø Solid mm² Flexible mm²

25 mm 25 70 200

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12 0100



NEW

1000 V One hand cable cutter

For copper and aluminium cable,

Excellent cutting capacity, clean and non-deforming cut, with double-coated insulation

For Cable ø Solid mm² Flexible mm²

25 mm 25 70 200

6

12 0202



NEW

Cable cutter

Universal Cable Cutter for copper, aluminium and coaxial cable.

For solid conductors up to 10 mm ø or 50 mm² and multiwire conductors up to 12 mm ø or 70 mm².

For stripping and exact cutting of cables, with ergonomic 2-component grips.

Weight 300 g.

200

1

12 0138



NEW

Stripping cable cutter

Universal Cable Cutter for copper and aluminium cables.

For multiwire conductors up to 10 mm² and solid conductors up to 8 mm².

Stripping function with adjusting screw for adjusting the required diameter of wire or cord from 0,5 up to 2 mm.

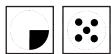
For stripping 4 – 16 mm (in the cutting area) and exact cutting of cables.

With simple coating.

160

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12 0242



NEW

Cable shear

Steel tube legs PVC-coated

For Cable ø Large mm²

14 mm 50 280

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12 0148



17

Cable shears

With leverage and interchangeable knife head, steel tube legs PVC-coated

For Cable ø Cross section mm²

26 mm 120 600 1 12 0150

38 mm 300 930 1 12 0152



18

Cable shear

With telescopic handle, progressively adjustable 350 – 520 mm

For cable ø Cross section mm²

26 mm 120 350 - 520 1 12 0159



19

Cable shear with 1000 Volt protection-insulationFor Cable ø Cross section mm²

26 mm 120 600 1 12 0158



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Dimension mm

Nº

Cable cutter

With patented leverage and hand guard, for copper- and aluminium cables

For Cable ø	Diameter				
mm	large mm ²	mm ²			
32	1 x 250	305	1	12 0160	

Cable cutter

With ratchet drive, single-hand-shear with high cutting power for copper- and aluminium cables

For Cable ø	Diameter	Flexible			
mm	large mm ²	mm ²			
38	1 x 300	4 x 90	290	1	12 0164
55	1 x 450	4 x 120	290	1	12 0165

Single-hand ratchet-cable cutter

For non-squeezing cutting of cables with an external diameter of max. 45 mm. Applicable for copper- and aluminium-cables, not practical for cutting steel wire and hard drawn Cu- and Bz-conductors. Sharp, clean cut due to special hardened edges, despite compact design due to short, space saving handles and ratchet mechanism with needle bearing easy to use with only one hand. Turning knife unlockable in every position by pressing with thumb. Simple, screwed construction, therefore easy repairable, weight only 960 g.
 cutting-power: copper: up to 4 x 70 mm² for fine-strand and multi-wire conductors resp. 300 mm² at large conductors
 Aluminium: up to 4 x 95 mm² for fine-strand and multi-wire conductors resp. 400 mm² at large conductors.

10	1	12 0168	
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Cable cutter

Cable cutter with max. cutting-power, cutting of cables with steel strip armouring or lead sheath possible.

With ratchet drive and pawl, handles with hand-protection.

For Cable ø				
60 mm	720	1	12 0170	
100 mm	870	1	12 0172	

Cable snip

Edges made of 3 mm non-corroding high-grade steel, handles made of shock-resistant plastic, hardness HRC 50 to 54, self-locking nut and washer made of VA, safety lock, self-opening by spring, practical for left- and right-handers.
 For cutting of cables and conductors up to 10 mm ø, insulations, wood, rope and other materials

13	165	1	12 0110	
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Universal shears

Edges made of 3 mm high-grade steel, handles made of shock-resistant plastic, hardness HRC 56 to 58, one edge finely serrated, self-locking nut and washer made of VA, safety lock, self-opening by spring, practical for left- and right-handers, cutting length 42 mm. For cutting of wire, cables, sheet metal, paper, board, plastics, wood, leather and other materials.

14	145	1	12 0120	
	190	1	12 0122	

Electricians shear

Edges made of non-corroding VA-vanadium-molybdenum-alloy, one edge finely serrated, glass-fiber reinforced shock-resistant 2-component-plastic handles, overall length 140 mm, cutting length 47 mm, for cutting and stripping conductors and cables up to 22 mm ø, for cutting of insulating tape, cable ties and other materials.

15	140	1	12 0130	
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Telephone shear

With wire cutter, bright nickel-plated

22	With smooth edge	130	1	12 0220	
	With serrated edge	130	1	12 0222	

Kronen shear

Bright nickel-plated, with serrated edge, for finest wires

23	115	12	12 0230	
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Dimension mm

Nº

Universal shear (paper-, wallpaper- and household shear)

Edges made of non-corroding steel, ergonomically formed handles in modern 2-component-technology with soft-rubber casing

220

1

12 0128



Cable shears for optical waveguides

Especially for Kevlar- and aramid-fibres.

With ceramic edges

145

1

12 0250



Edges made of high-alloy, non-corroding high-grade steel, hardness HRC 60 to 62, hardness of edges HK 1200, one edge micro-serrated, adjustable screw joint, ergonomic plastic handles, practical for left- and right-handers, cutting length 42 mm

160

1

12 0252



Multi-purpose shear for plastics

Functional set consisting of quality-shear and 5 exchangeable cutting inserts, in shock-resistant, handy plastic box, indispensable for all mechanic workings in electrical installation and plumbing.

Content: multi-purpose shear for fast, non-squeezing cutting work on plastic-, rubber, wood parts and ribbon cables (except hard metals), large precision cutting-blade (cutting length 57 mm) made of carburized tool steel (> 52 HRC), regrindable, special geometry of edges for very easy cut, pivot with eccentric joint for drawing cut dispenses with annoying burring, with opening spring and locker, ergonomically formed plastic handles with slide-protection.

5 different cutting supports made of light metal, changeable within a few seconds: flat-straight insert (is pre assembled in shear) for general cutting workings on flat materials as plastic profiles, flat cables, cable trunkings, bottom rails and so on, miter insert with shifting square and marks for angled cuts $45^\circ - 60^\circ - 75^\circ - 90^\circ - 105^\circ - 120^\circ$, profile insert 90° for the cutting of box profiles up to 25 x 45 mm, i.e. small cable-trunks and conduits, as well as for hard or thick-wall plastic pipes and tubes up to 25 mm Ø, round profile insert 16/19 mm with each time one round guiding 16 mm (5/8")- and 19 mm (3/4")-Ø plus, round profile insert 25 mm with one round guiding 25 mm (1")-Ø, ideal for burr-free cutting of flexible and hard plastic pipes and tubes

1

12 0210



Spare-inserts:

Flat-straight

1

12 0211

Miter insert

1

12 0212

Round profile 16/19 mm Ø

1

12 0213

Round profile 25 mm Ø

1

12 0214

Profile insert 90°

1

12 0215

Spare knife

1

12 0216

Multi-purpose shear for plastic pipes and tubes

Shear as No. 12 0210, with pre-assembled cutting insert No. 12 0213, for cutting of round profiles with Ø 16 mm (5/8") and 19 mm (3/4"), especially hard and flexible plastic pipes (corrugated pipes).

1

12 0290



Plastic shear with variable stop

Shear as from assortment No. 12 0210, but with variable shifting square for comfortable mitre cuts, locking-positions in $45^\circ, 60^\circ, 75^\circ, 90^\circ, 105^\circ, 120^\circ$ and 135° , 2-component-handles

1

12 0208



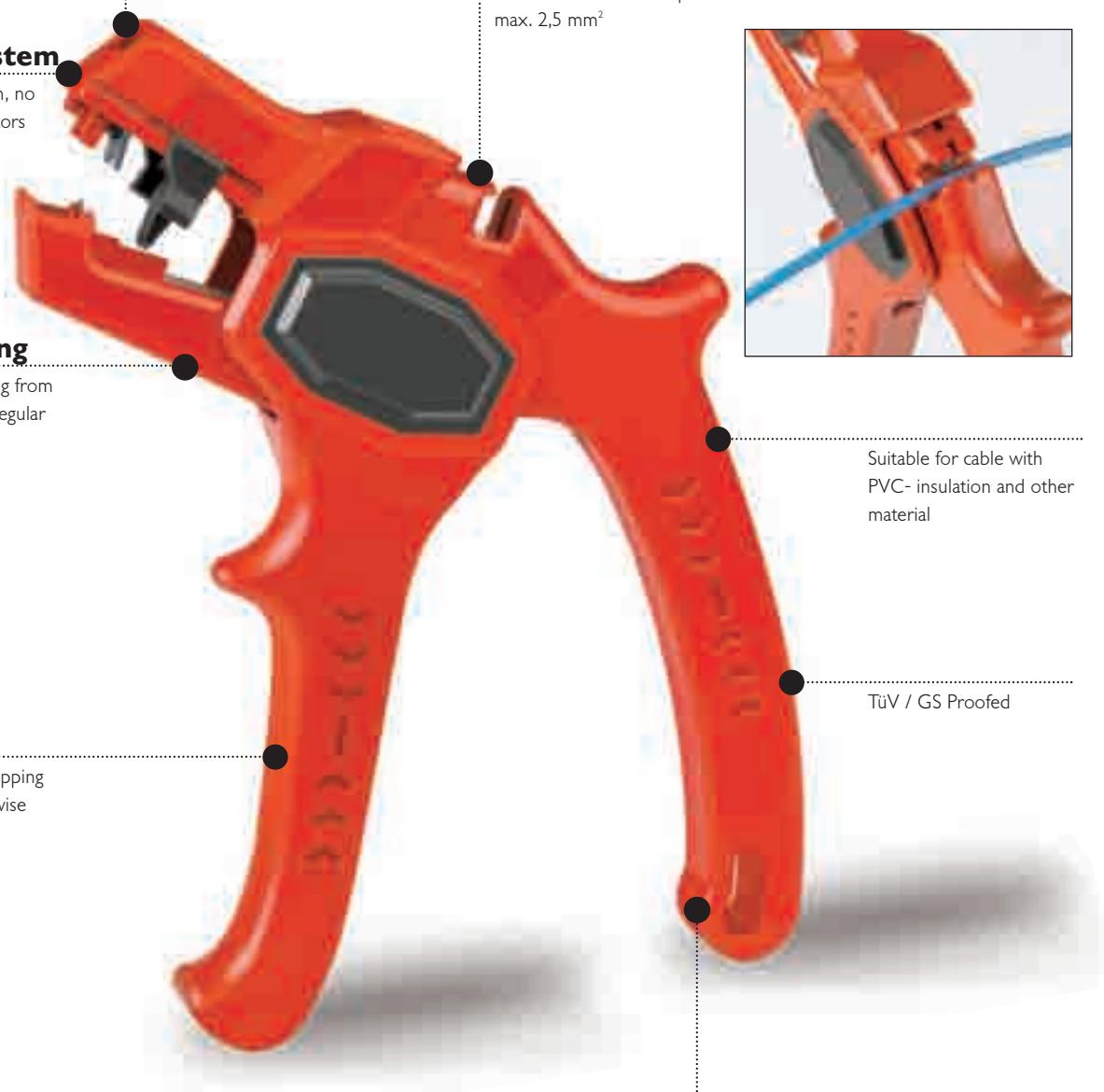
BARING AND STRIPPING TOOLS

FullyAutomatic Stripping Plier

Ergonomic, fully automatic stripping plier for large and flexible conductors and strands from 0,2 up to 6,0 mm² (AWG 24 – 10)

Scanning System

Special scanning system, no damage of the conductors



Side Cutter

Good positioned, outside side cutter for conductors up to max. 2,5 mm²

Universal cable jacket cutter

For removing all insulating layers of cables from 25 mm ø, i.e. lead sheath, rubber, PE, PVC

Cutting depth adjustable from 0,5 – 5 mm

Applicable for lengthwise and circular cut, in plastic case, knife interchangeable

1	12 0002
Spare knife	12 0003



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Wire stripper KABIFIX

For lengthwise and circular cut. Applicable for slitting and stripping cables from 6 to 28 mm ø, even for cutting off PVC-tubes, knife interchangeable

1	12 0030
Spare knife	12 0032



Wire stripper ROTAX 29

Professional wire stripper for circular cut, lengthwise cut, and spiral cut in cables from 4,5 to 29 mm ø.

Because of the unique spiral cut even hard workable insulations (i.e. rubber, butyl) can be removed without problems.

Depth of cut adjustable, extra robust plastic body and extra sharp, interchangeable knife

4,5 – 29 mm ø	140	1	12 0036
Spare knife		1	12 0038



Wire stripper MULTISTRIPPER

New developed tool for working on all round cables from 8 to 13 mm ø.

baring: circular and lengthwise cut as well as flush stripping even on locations difficult to access, as i.e. in ceiling and wall area, in distribution and junction boxes.

Stripping: flexible and large conductors 0,5 – 0,75 – 1,5 – 2,4 – 4 – 6 mm²

Cutting off: large conductors up to 4 mm², flexible conductors up to 6 mm²

1	12 0021
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Universal slicer MULTI-Stripper PLUS

This innovative tool combines all usual working steps of normal electrical installation in only one tool

Cable cutter: For cables and conductors with PVC-insulation, round cables up to about 9 mm ø

(max. NYM 3 x 1,5 mm²), massive and flexible copper- and aluminium-wires up to 6 mm² (AWG 10 resp. 3 mm).



Cable stripper: Circular cut of round cables with ø 8 mm to 13 mm,
esp. NYM 3 x 1,5 mm², NYM 3 x 2,5 mm², NYM 5 x 2,5 mm²

Optical length setting while stripping up to 50 mm resp. 2" for constant working quality.

Coaxial cable stripper: Removing of external jacket (about 7 mm ø) as well as stripping of internal conductor at SAT-TV-coaxial- and video-cables, even RG 58, RG 59, RG 62.

Stripper: Stripping positions for massive and flexible conductors and strands 0,5 mm² (AWG 20) – 1 mm² (AWG 17) – 1,5 mm² (AWG 15) – 2,5 mm² (AWG 13) – 4 mm² (AWG 11) – 6 mm² (AWG 10)



Screwdriver tool: Qualitatively high-grade reverse bit with the two most usual screwdriver-dimensions in electrical appliances (for luster terminals, terminal screws, combination-profile-screws, switch and distribution boxes, switches, lighting units, etc.), for slotted screws 0,8 x 4 mm and crosshead screws Prozidriv PZ, length of bit 65 mm, with safety-lock against unintended unfastening especially at phase test. Reverse bit is stored in a special retaining trough when not used.

Phase- resp. voltage test: Voltage-range 110 Volt to 250 Volt, 50 to 500 Hz, optical display via glow lamp, routine check tested.

Modern 2-component-version with soft rubber part for comfortable grip, large comfortable lock against unintended opening while screwing/testing, length 182 mm, weight only 143 g.

182	1	12 0000
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Dimension mm

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Nº

»JOKARI« - Super-stripper

NEW: both the tops of the internal cable knives and the edges of the fitted bow-type blades are titanium nitrite coated. At about 500° C titanium nitrite is vapour-deposited to the cutting blade in the vacuum chamber according to the PVD-process. By the minimized surface-roughness and the extremely high hardness brilliant sliding qualities and high wear resp. abrasion resistance is achieved. TiN-coated knives may be applied with essentially higher durability and cutting-power.

With circular and lengthwise cutter, stripping device and retractable add-on knife

Baring: cables from 8 – 13 mm ø, i.e.: 7 x 1,5 or 5 x 2,5 mm²

Stripping: 0,2 – 0,3 – 0,8 mm ø, 1,5 – 2,5 – 4 mm^c

TiN

1 12 0025

»JOKARI« - Universal-cable stripper

For all usual cables from 8 – 13 mm ø

Especially applicable on locations difficult to access

TiN

1 12 0028

»JOKARI« - Flat cable stripper

For all usual flat and oval cables up to 12 mm width, stripping of conductors and flexible strands 0,75 mm² – 1,5 mm² – 2,5 mm²

1 12 0029

»JOKARI« - PC-STRIP

Special baring and stripping tool for data and control cables, telecommunication cables, system cables and so on

Baring: cables from 5,5 – 15 mm ø

Stripping: conductors from 0,2 . 4,0 mm² or AWG 26 – 11

TiN

1 12 0034

»JOKARI« - Stripper for power and safety cables

For all usual short circuit and accidental earth proof, hardly inflammable, halogen-free lines (NSGAFÖU, VER H07RN-F, ignition cables), no adjustment of cutting depth needed, with integrated length setting

For wire diameter Length setting

1,5 mm ²	8 mm	1	12 0022
2,5 mm ² to 6 mm ²	10 mm	1	12 0023
10 mm ² to 16 mm ²	12 mm	1	12 0024

»JOKARI« - Baring and stripping tool for rubberized AS-interface

For the fast and precise baring and stripping of twin-core actuator-sensor-interface-cables (ASI) with rubberized profile-external insulation up to 12 mm width. The cutting blades are designed for the special cable form, adjustment of cutting depth not needed, lateral single blade for stripping of the two inner conductors (1,5 mm²)

125 1 12 0019

»JOKARI« - Stripping plier for AS-Interface-cables

with TPE- or PUR-insulation

For the fast and precise baring and stripping of twin-core actuator-sensor-interface-cables (ASI) with profile-external insulation made of TPE (thermoplastic elastomer) or PUR (polyurethane) up to 12 mm width. Special profile of blade, which adapts itself to the cable profile, adjustment of cutting depth not needed, no damage of internal conductors possible. Glass fibre strengthened body of pliers, knife interchangeable, especially ground and hardened, weight only 120 g

160 1 10 0748

Spare knife

1 pair 10 0749

»JOKARI« - Cable stripper COAXI

For all usual cables from 4,8 – 7,58 mm ø

Especially practical for coaxial cables (antenna cables)

TiN

1 12 0027

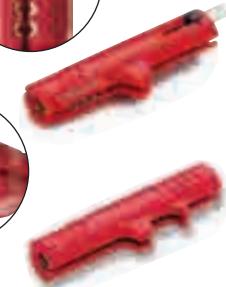
Cable stripper CUT AND STRIP

Successive cutting off, baring and stripping of all usual coaxial cables as well as many flexible cables, integrated cable cutter up to 6 mm³)

4,8 - 7,5 mm ø

1 12 0026

cimco®



Coaxial cable stripping tool ECONOMY

For coaxial cables, esp. RG 58, RG 59, RG 62, RG 6; cutting depth of knives adjustable, 3 interchangeable knives, cutting distance optional 8 mm, 6 mm and 4 mm

110

1

12 0098



»JOKARI« - QUADRO

The pliers with 4 functions

For the rational and precise working of wire end ferrules in ribbon form from 0,5 – 2,5 mm²

Functions:

1. Cutting

For wires and strands up to 2,5 mm²

2. Stripping

Working range 0,5 – 2,5 mm²

3. Twisting

No fan out of wires and therefore safe inducting
of the conductor to the wire end ferrule

4. Crimping

Perfect crimping from 0,5 – 2,5 mm² by professional trapezium pressing

QUADRO-case complete

1

10 0728



»JOKARI« - pliers QUADRO with magazine

180

1

10 0725



Strips see page 193 chapter 23.

Multifunctional tool DUOCRIMP

For cutting off and stripping of conductors and strands as well as pressing
of not insulated and insulated wire end ferrules.

Working range side cutter flexible up to 6 mm²

Large conductors up to 4 mm²

Working range stripper up to 6 mm²

Pressing ranges 0,5-2,5 mm²

4 - 6 mm²

160

1

10 0720



Baring and stripping tool DUOSTripper

Baring and stripping with only one tool

Baring: for all usual round cables from 4 – 28 mm Ø

Stripping: automatic adjustment to the diameter of conductor from 0,5 – 6 mm²

1

12 0048



POWER STRIP

Automatic, so self-adjusting to the conductor diameter stripping pliers applicable for a multitude of usual cables.

- 2- and 3-core flat cables from 0,75 to 2,5 mm² and maximum width up to 12 mm

- round cables from 0,5 to 16 mm² (AWG 20 to AWG 6).

As well practicable for problematic insulations as i.e. silicon or external coating of PVC- or rubber-flexcables
(i.e. 3 x 0,75 mm²). Optical length measure 8 mm to 24 mm resp. 5/16" to 1" for always identical stripping length at
serial working with wire end ferrules and cable lugs. Optimal power transmission and a window for shoving through
the cables allow depending on the type of cable the stripping up to 20 cm. The special system adjusts itself automatically
to the actual conductor diameter and prevents a damage of the internal conductors. A 5-fold pressure-fine-adjustment to
different cable types and diameters is possible. With integrated, good accessible side cutter for flexible and large copper
conductors up to 3 mm diameter. Ergonomic pistol grip for fatigue-proof working, weight only 200 g.

170

1

10 0770

Spare knife

1 pair

10 0772



Automatic stripping pliers MAXIM 6

For fine-strand and large conductors with PVC-insulation. For round, oval and flat cables from 0,2 – 6 mm². Stripping
length with stop adjustable to 4 to 18 mm for serial workings. No damage of the conductors by special, self-adjusting,
interchangeable lamellar knife. Automatic opening of the gripping jaw after stripping. Integrated high performance wire
cutter. Especially ergonomic, power saving design. Only 198 g light.

1

10 0736

Spare knife

1 pair

10 0737



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Dimension mm

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Nº

»JOKARI« - Stripping pliers EASYSTRIP

Automatic stripping tool for Al- and Cu-wires from 0,5 – 6 mm² (AWG 20 to AWG 10), integrated side cutter for Cu-wires up to 2,8 mm Ø, extra lightweight (only 160 g) and ergonomic

180

1

10 0755



Automatic stripping pliers

For flexible strands and large conductors from 0,08 – 6 mm².

Adjustment takes place automatically. Stripping length adjustable from 4 – 18 mm.

With wire cutter.

1

10 0730

Spare knife

1 pair

10 0731



Automatic stripping pliers MINIM

For large and flexible conductors and strands with PVC-insulation, working range 0,08 – 2,5 mm², automatic adjustment to the conductor diameter, knife interchangeable, adjustable length setting for stripping length from 3 to 15 mm, integrated wire cutter (large up to 1,5 mm², flexible up to mm²), especially ergonomic "pistol"-design, weight only 260 g.

1

10 0738

Spare knife

1 pair

10 0739



Automatic stripping pliers

For flexible strands and large conductors 0,08 to 1 mm².

Adjustment takes place automatically. Stripping length adjustable from 2,5 – 7 mm.

With wire cutter.

135

1

10 0732

Spare knife (pair)

1 pair

10 0733



»JOKARI« - Stripping pliers HIGHSTRIP

For fast and precise stripping even of problematic insulations, PVC-rubber-TPE-silicon-THHN-THWN-OMMA-optical waveguides with PE-coating, i.e. 0,5 – 0,75 – 1,5 – 2,5 – 4 mm².

A damage of conductors and strands is impossible. Weight only 100 g.

160

1

10 0740



»JOKARI« - Automatic stripping pliers

Self-adjusting to conductor cross-section stripping pliers for large and flexible conductors and strands from 0,2 mm² to 6 mm² (AWG 24 to AWG 10), applicable for standard-insulations (i.e. made of PVC), integrated wire cutter for copper and aluminium wires up to 2,5 mm², with adjustable length setting from 6 to 18 mm for serial workings, especially ergonomic by handy pistol form, handle with soft rubber insertion and small weight (only 150 g lightweight). Knife interchangeable.

1

10 0775



»JOKARI« - stripping pliers SUPER

For flexible strands and large conductors, applicable for nearly all insulations. In ergonomic pistol form. The adjustment to the conductor cross-section from 0,5 – 4 mm² takes place automatically. Optical length setting 8 to 12 mm. With side cutter for wires up to 2 mm Ø. weight only 96 g.

160

1

10 0760



»JOKARI« - Abisolierzange SUPER 4 PLUS

For flexible strands and large conductors, applicable for nearly all insulations. In ergonomic pistol form. With adjustable length stop from 6,0 to 15,0 mm. Adjusts automatically to the cross sections 0,2 – 6,0 mm² by a special scan-system. Stable, easy reachable side cutter for wires up to 2,5 mm².

160

1

100780



Automatic cable stripping pliers SAFETY STRIP

For flexible strands and from 0,2 to 6 mm², all-insulated up to 1000 Volt, tested according to DIN EN 60 900, automatic adjustment to the conductor cross-section, integrated length setting and locker for transport and storage.

△ 1000 V

1

10 0762

»JOKARI« - Stripping pliers MAXISTRIP

For fast and trouble-free stripping of flexible strands and large conductors 6 – 16 mm².
 Adjustment to the cross-section takes place automatically. Damage of conductors impossible.
 With optical length setting 15 – 18 – 20 mm. weight only 120 g.

180

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10 0744

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26**POSITIONING TOOL for LSA-Plus-clamps**

Solder-, screw- and strippingless connecting and automatical cutting off of conductors with 0,5 to 0,8 mm ø (AWG 24 to 20) to ID terminations in connector boxes and patch panels, professional version with pressure sensor for optimal frictional power, 2 extraction hooks

Model ECONOMY

1

11 8017

Model CROWN pressure sensor and
cutting-off-function can be turned off

1

11 8018

**Universal stripper DATA STRIP for data cables**

Universal tool for cutting, skinning and stripping of round and flat cables, shielded and unshielded cables, cutting depth adjustable, 3 knives interchangeable, for cables from 2 to 10 mm ø.

110

1

12 0092

**»JOKARI« - Precision stripper PWS "Plus"**

For conductor diameters 0,25 mm (AWG 30), 0,3 mm (AWG 28),
 0,4 mm (AWG 26), 0,5 mm (AWG 24), 0,6 mm (AWG 22),
 0,8 mm (AWG 20), with wire cutter and length setting

1

12 0033

**Precision stripper MICRO-STRIPPER**

Precision stripping tool for each time 6 different wire diameters. With adjustable length setting.

Adaptive for wires with insulations made of: MYLAR®, KYNAR®, TEFZEL®, TEFLON®, PVC and others

AWG	36	34	32	30	28	26	
mm ø	0,12	0,16	0,20	0,25	0,30	0,40	

1 10 0694

AWG	30	28	26	24	22	20	
mm ø	0,25	0,30	0,40	0,50	0,60	0,80	

1 10 0695

AWG	28	26	24	22	20	18	
mm ø	0,30	0,40	0,50	0,60	0,80	1,00	

1 10 0696

**Varnish stripper**

For wires ø mm

0,5 (AWG 24)	125	6	10 0710
0,6 (AWG 22)	125	6	10 0712

**Stripping pliers LWL**

Precision stripper with 3 stripping positions for primary coating, secondary coating and outer coating of optical waveguide cables, preset cut depth, however infinitely variable adjustable, locking mechanism, ergonomic 2-component-handles

1 12 1104

**Micro-stripper LWL**

Highly precise stripping tool for optical waveguide-primary coating, for 0,18 mm (180 µm) ø

1 10 0698



»JOKARI« - Automatic cable knife

A millionfold approved cable knife for circular and lengthwise cut, cutting depths by screw individual adjustable, so that damages of the inner conductors are impossible. Handle jackets made of wear-resistant polyamide. NEW: both the tops of the internal cable knives and the edges of the fitted bow-type blades are titanium nitrite coated. At about 500° C titanium nitrite is vapour-deposited to the cutting blade in the vacuum chamber according to the PVD-process. By the minimized surface-roughness and the extremely high hardness brilliant sliding qualities and high wear resp. abrasion resistance are achieved. TiN-coated knives may be applied with essentially higher durability and cutting-power.

**»JOKARI« - Cable knife with hook-shaped blade**

2-components-tool with handy soft grip-insertion for optimal handling and thumb trough

8 - 28 mm ø

1

12 0010

TiN

**»JOKARI« - Cable knife with straight blade**

2-components-tool with handy soft grip-insertion for optimal handling and thumb trough

8 - 28 mm ø

1

12 0011

TiN

**»JOKARI« - Cable knife without blade**

For slitting and stripping of damp-proof installation cables, 2-components-tool with handy soft grip-insertion for optimal handling and thumb trough

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

**»JOKARI« - Cable knife with hook-shaped blade**

Standard-version

8 - 28 mm ø

1

12 1010

TiN

**»JOKARI« - Cable knife with straight blade**

Standard-version

8 - 28 mm ø

1

12 1011

TiN

**»JOKARI« - Cable knife without blade**

Fully insulated, all piece parts except inner knife made of plastic, for baring all usual cables

8 - 28 mm ø

1

12 0008

TiN

**Spare blades**

For all Jokari-cable knives

1

12 0020

TiN

**D'E GS ▲ 1000 V Safety-cable knife**

With insulated back of blade and folding, in shaft retractable blade protection, with interchangeable blade

Blade length 50 mm

1

12 0064



Interchangeable blade

Blade length 50 mm

1

12 0066

▲ 1000 V Safety-cable knife

Cable knife especially for working on insulations of large cables, with straight, powerful blade made of non-corroding steel, blade length about 50 mm. 1000 V-protective insulated handle with large slip-protection and in modern 2-component-technique (polypropylene with soft rubber-insertion) for comfortable and safe working even when wet, cold or hot. With blade protection cap.

1

12 1042



**1000 V Cable knife**

With hook-shaped blade and welded plate

Blade length 40 mm

1

12 0046

**1000 V Cable knife**

With straight, powerful blade

Blade length 50 mm

1

12 0042

**1000 V Cable knife**

With straight blade and insulated blade back

Blade length 50 mm

1

12 0043

**1000 V Cable stripping knife**

With hook-shaped edge

Blade length 35 mm

1

12 0044

**1000 V Cable paper knife**

With extra sharp blade

Blade length 50 mm

1

12 0045

**Cable knives**

Haft made of one piece, shock-resistant plastic. Blade with round and triangular shaver

1-part

1

12 0050



With wooden haft, blade with shaver

1-part

12

12 0052



With wooden haft, blade and reamer

2-part

12

12 0054



With wooden haft, blade, reamer and screwdriver

3-part

12

12 0056



With plastic haft, 2 blades, reamer and screwdriver

4-part

12

12 0058

**Cable or lead knife**

With wooden haft

1-part

12

12 0060

**Universal knife**

Made of zinc diecasting, with 2-component insertion, with adjustable interchangeable knife

150

1

12 0072

Spare blades

1

12 0076

**Universal knife**

Lightweight version made of plastic, with adjustable retractable knife (break off-blades, 9mm)

ECONOMY

135

12

12 0080

2-components-professional-version

135

1

12 0081

Spare blades for 12 0080/12 0081

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12 0082



SAWS, TUBE CUTTERS, SCREW PUNCHES

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Design

Due to the handy pistol-design the shortening of already installed tubes is possible without any problems. By pumping motion the ratchet-automatic is initiated and therefore the knife is led through the material to be cut with least expenditure of manual energy.



Blade

The robust interchangeable edge is applicable with the following materials: hard and soft plastics, rubber hoses, Isoflex-tubes, hard- and soft-PVC-tubes and so on. The symmetry of the blade allows exact rectangular, flashless and non-deforming cuts.

	Dimension mm		Nº	
Pocket saws PUK				
Spread 150 mm, with metal saw blade				
With adjustable, polished wooden haft	3		12 0500	
With non-adjustable, laquered wooden haft	6		12 0502	
Pocket saw PROFI				
With universal saw blade				
Spread 150 mm	10		12 0490	
1000 V Saw bow				
Fully insulated				
Spread 150 mm	250	1	12 0700	
Loose saw blades				
According to DIN 6494 Form C, 150 mm length, 6 mm width, 0,4 mm thickness				
Wood saw blade for hard and soft wood, flake and hard particle boards, soft plastic and so on				
Spacing 1,8 mm (14 teeth per inch)	12		12 0504	
Universal saw blade for steels, aluminium, non ferrous heavy metals, glass fibre, plastic ducts and tubes, mineral- and Eternit-sheets and sheetrocks				
Spacing 1,0 mm (25 teeth per inch)	12		12 0506	
Saw blade assortment				
According to DIN 64974 Form C, 150 mm length, 6 mm width, 0,4 mm thickness. Content: each time 3 pieces				
universal saw blades (spacing 1,0 mm (25 teeth per inch)), metal-saw blades (spacing 0,8 mm (32 teeth per inch)), metal-fine-saw blades for extra fine, flashless cuts, even in very thin sheets (spacing 0,5 mm (50 teeth per inch)), wood-saw blades (spacing 1,8 mm (14 teeth per inch))				
	1		12 0508	
Handsaw				
Handsaw with new quick spanning at the two-component grip for single side saw-blades DIN 6494 Form A.				
With improved non-skidding grip by anti slip plastic and additional slipping protection in the front, chrome polished plated, with non-losing spanning pins.				
Spread 300 mm	Weight 650 g	1	12 0602	
Metal-saw bow				
According to DIN 6473 A, heavy version, material thickness 18 x 8 mm, bright chromium-plated, with captive dowel pins				
Spread 300 mm	520	6	12 0600	
Metal-saw bow				
Adjustable, made of rectangle steel tube, material thickness 16 x 10 mm, red powder coated; with hang up pin				
Spread 300 mm		6	12 0607	
1000 V Handsaw				
Completely insulated handsaw with new quick spanning at the grip for single side saw-blades DIN 6494 Form A.				
With improved non-skidding grip by anti slip plastic and reduced weight.				
Spread 300 mm	Weight 785 g	520	1	12 0702
Metal saw blades				
According to DIN 6494 Form A, one-sided				
Material Dimensions mm Teeth per inch				
HSS-CO 300 x 13 x 0,65 24		100	12 0608	
HSS 300 x 13 x 0,65 24		100	12 0610	
Form B, double-sided				
Material Dimensions mm Teeth per inch				
WS 300 x 25 x 0,8 24		50	12 0614	

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Dimension mm

Nº

Tube cutter SUPER

New, strengthened version

Working range 6 - 35 mm ø	1	12 0410
Spare knife	1	12 0412

Tube cutter MAXI

With regulating lever for variation of the cutting mouth

Working range 6 - 42 mm ø	1	12 0420
Spare knife	1	12 0422



Pipe Cutter

Massive plastic-pipe cutter with interchangeable blades for round pipes with max. 42 mm ø (made of PVC, PE, PER, PP, PB and VPC) or plastic cable conduits up to 15 x 30 mm. In addition it can cut cable up to 12 mm ø. Stable mechanic construction for high robustness and long life.

Ergonomically formed and particularly handy. Weight 550 g

1	12 0414
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Universal tube cutter

With 2 interchangeable knives, for insulating- and hard-PVC-tubes and for soft plastic and rubber tubes

Tube outside-ø max. 29 mm	200	1	12 0450
Loose knives			
For hard-PVC	1	12 0452	
For soft tubes	1	12 0453	



Corrugated pipe cutter

For cutting off and cutting into lengths of corrugated plastic tubes (flextubes) and plastic protection tubes up to 42 mm ø in electrical installation, plumbing and heating installation, by simple rotational movement safe cutting on the outer diameter without damage of the inner tube, with two interchangeable cutting inserts, weight only 45 g

Working range up to 42 mm ø	110	1	12 0430
Spare cutting inserts		1 Paar	12 0432



Ratchet-tube cutter

Worldwide patented tube cutter jwith ratchet-mechanism, for working in constricted areas, single-handed operation, special cutting wheel and double guide rollers, integrated deburrer for clean edges of cut tubes.

Interchangeable cutting wheel. One spare-cutting wheel is included. Weight 400 g.

Cutting power – for tubes made of plastic, copper, high-grade steel (VA), aluminium, and the like

– for tube-outer diameter from 8 to 35 mm (1/2" bis 1 3/8").

175 x 38 x 68	1	12 0480
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Hole and plate cutter

Professional hole cutter for the use with power drills with at least 10 mm taper shaft for drill chucks.

For cutting exactly round holes in floorings, ceilings, walls, sheet metal cabinets and the like.

Cutting power:

- For holes/disks with a diameter between 30 and 290 mm, cutting depth preset (setting via hand knurling wheel)
- For plywood, veneers, gypsum plaster, acrylic plates, and the like:
cutting depth max. 25 mm in single-side usage, 50 mm in double-sided usage
- For aluminium, brass or steel sheet: cutting depth max. 1 mm.

A transparent protection hood made of non-breakable plastic for protection against sliced particles and for collecting the cutting waste guarantees by its special design clear view on the working area at any time even while working overhead.

Extent of delivery:

- Plate cutter with adjustable end stop of cutting depth and hexagon retainer for 10 mm drill chucks
- HSS-guide drill 7 mm diameter, length 65 mm
- Each time one hard metal cutting tooth for soft material (wood etc) and metal
- 6 counterweights for rattle-free, steady clean cutting
- One transparent protection hood made of non-breakable plastic for protection against sliced particles and for collecting the cutting waste; the special design guarantees clear view on the working area at any time even while working overhead.
- Various wrenches for tool assembling and adjustment
- Detailed working instruction

Delivery in shock-resistant storage and transport case.

Hole and plate cutter in case	1	12 0820
Spare-cutting tooth for wood, PVC, etc	1	12 0822
Spare-cutting tooth for metals	1	12 0824



Dimension mm

Nº

cimco®

Hole and plate cutter

For machine operation, for metal sheets up to 5 mm gauge, Eternit- and plastic plates, for the installation of lighting units, built-in speakers and other openings

Cutting-	Pick-up shaft-	Drill-		
ø mm	ø mm	ø mm		
max. 100	8	4	1	12 0800



NEW

Hole and plate cutter

For manual operation, with graduation, for rubber, leather, plastic and so on, with two knives also for ring-cutouts
400 mm ø

1 12 0834

Punch-set, 10-part

Consisting of holder and interchangeable punch-inserts made of alloyed steel, for sheets, plastics, paperboard, leather
Each time 1 puncher-insert: 5-6-8-10-12,5-16-20-25-32 mm ø

1 13 1680



Trapezium tin plate – holing punch

For trapezium tin plates up to max. 1,2 mm thickness and a cutting width up to max. 100 mm. Adjustable bit stop from 35 mm up to 105 mm. Hardened punch-stamps with by pressure forced ejector springs.

With hole ø 10 mm	700 mm	1	10 1570
Punch stamps with ejector springs		1	10 1571



Screw punches

Round-screw punches in massive style made of extra tenacious special steel for long tool life, special geometry of edge for easy start of cut and quick punching also in manual operation with wrench or ratchet, edges conical relieved, thereby substantial minimization of expenditure of energy. Spare-screws and ball bearings on demand.

Screw punch-assortments

with each time 5 resp. 6 screw punches (no split-screw punches),

In steel sheet-case, complete with pressure screws, ball bearing screws resp. hydraulic tension bolts and shims

PG-standard	PG 9 - 11 - 13,5 - 16 - 21 - 29	1	13 1750
PG-ball bearing	PG 9 - 11 - 13,5 - 16 - 21 - 29	1	13 1751
PG-hydraulics	PG 9 - 11 - 13,5 - 16 - 21 - 29	1	13 1752
Metric-standard	M 12 - 16 - 20 - 25 - 32 - 40	1	13 1760
Metric-ball bearing	M 12 - 16 - 20 - 25 - 32 - 40	1	13 1761
Metric-hydraulics	M 16 - 20 - 25 - 32 - 40	1	13 1762

Screw punches STANDARD

Version can also be operated with hydraulic hole punching machines. Also applicable for VA-steel.

Nominal size	Hole-ø	Screws-	max. Sheet		
PG	metric	mm	Size mm	thickness mm	
7	M 12	12,5	M 6 x 1 x 30	1,5	1 13 1798
9		15,2	M 8 x 1 x 35	1,5	1 13 1800
	M 16	16,5	M 10 x 1 x 45	2	1 13 1801
11		18,6	M 10 x 1 x 45	2	1 13 1802
13,5	M 20	20,5	M 10 x 1 x 45	2	1 13 1805
16		22,5	M 10 x 1 x 45	2	1 13 1806
	M 25	25,5	M 10 x 1 x 45	2	1 13 1807
21		28,3	M 10 x 1 x 55	2	1 13 1808
	M 32	32,5	M 16 x 1,5 x 55	2	1 13 1809
29		37,0	M 10 x 1 x 55	2	1 13 1810
	M 40	40,5	M 16 x 1,5 x 70	2	1 13 1811
36		47,0	M 12 x 1,5 x 70	2	1 13 1812
	M 50	50,5	M 20 x 1,5 x 70	2	1 13 1813
42		54,0	M 16 x 1,5 x 80	3	1 13 1814
48		60,0	M 16 x 1,5 x 80	4	1 13 1816
	M 63	63,5	M 20 x 1,5 x 80	3	1 13 1817
1 1/4"		32,0	M 10 x 1 x 55	2,5	1 13 1820



1 Split-screw punch BALL BEARING

Round punch with ball bearing for energy-saving operation, also to be operated with hydraulic hole punching machine (but then use WITHOUT ball bearing), the punchings are split in three parts, thereby punchings cannot clamp on stamp and in the die-plate, but are easy removable by canting the die-plate, thereby higher punching power.

Nominal PG	Hole-Ø metric mm	Screws- size mm	max. Sheet thickness mm		
9	15,2	M 8 x 1 x 40	1,5	1	13 1850
	M 16	16,5	M 10 x 1 x 55	2	13 1851
11	18,6	M 10 x 1 x 55	2	1	13 1852
13,5	M 20	20,5	M 10 x 1 x 55	2	13 1855
16	22,5	M 10 x 1 x 55	2	1	13 1856
	M 25	25,5	M 10 x 1 x 55	2	13 1857
21	28,3	M 10 x 1 x 55	2	1	13 1858
	M 32	32,5	M 16 x 1 x 55	2	13 1859
29	37,0	M 16 x 1 x 55	2	1	13 1860
	M 40	40,5	M 16 x 1,5 x 70	2	13 1861
36	47,0	M 20 x 1,5 x 70	2	1	13 1862
	M 50	50,5	M 20 x 1,5 x 80	2	13 1863
42	54,0	M 20 x 1,5 x 80	3	1	13 1864
48	60,0	M 20 x 1,5 x 80	4	1	13 1865
	M 63	63,5	M 20 x 1,5 x 80	3	13 1866



10 Split-screw punch HYDRAULIC

Round punch especially for hydraulic hole punching machines for eminently fast, energy saving operation, the punchings are split in three parts, thereby punchings cannot clamp on stamp and in the die-plate, that means higher punching power, without hydraulic tension bolts and shims

Nominal PG	Hole-Ø metric mm	Screws- size mm	max. Sheet thickness mm		
9	15,2	M 8 x 1 x 88	1,5	1	13 1870
	M 16	16,5	M 10 x 1 x 88	2	13 1871
11	18,6	M 10 x 1 x 88	2	1	13 1872
13,5	M 20	20,5	M 10 x 1 x 88	2	13 1875
16	22,5	M 10 x 1 x 88	2	1	13 1876
	M 25	25,5	M 10 x 1 x 88	2	13 1877
21	28,3	M 10 x 1 x 88	2	1	13 1878
	M 32	32,5	M 16 x 1,5 x 113	3	13 1879
29	37,0	M 16 x 1,5 x 113	3	1	13 1880
	M 40	40,5	M 16 x 1,5 x 113	3	13 1881
36	47,0	M 20 x 1,5 x 120	3	1	13 1882
	M 50	50,5	M 20 x 1,5 x 120	3	13 1883
42	54,0	M 20 x 1,5 x 120	3	1	13 1884
48	60,0	M 20 x 1,5 x 120	3	1	13 1885
	M 63	63,5	M 20 x 1,5 x 120	3	13 1886



18 Hydraulic tension bolts and washers (set)

Implicitly to use at working with split screw punches HYDRAULIC (No. 13 1870 to 13 1886)

Hydraulic tension bolts	Shim diameter inside		
M 8 x 1 x 88 mm	8 mm	1	13 1901
M 10 x 1 x 88 mm	10 mm	1	13 1902
M 16 x 1,5 x 113 mm	16 mm	1	13 1904
M 20 x 1,5 x 120 mm	20 mm	1	13 1905

21 Hydraulic hole punching machine

pressure output 600 bar. With multiple-swivel cylinder 360° rotatable and slewable, completely with four tension bolts and shims for round punches 15,2 to 63,5 mm Ø No. 13 1800 to No. 13 1886, in steel sheet case.

For the fast and effortlessly punching of holes with screw punches

1 13 1900



24 Special-stepped drill for screw punching

HSS-stepped drill for the fleshless drilling of through holes for screw punch-tension bolts

M 8 (3/8") - M 10 ((7/16")) - M12 - M16 - 3/4" - M 20 in material up to 4 mm thickness.

Applicable for the use in hand and upright drilling machines, altogether 9 drilling steps, retainer shaft (Ø 10 mm) with 3 catch surfaces averts slipping through in drill chuck.

1 20 1212



DRILLS, HOLE SAWS, DIAMOND TOOLS

Interchangeable center drill

The center drill is the most strained part of a stepped drill. Therefore CIMCO-stepped drills have interchangeable brad points of the drill. If those are worn out, only they are replaced within seconds and not the complete drill – this means enormous cost saving!

Three chucking grooves

On CIMCO-stepped drills the cutting energy is shared between three cutting edges. This means higher cutting power, chatter-free working and reduced wear!

Relief

Every step is relieved radial and axial, whereby the edge is the highest point within the diameter and within the cutting plane – for highest cutting power and absolute quiet running!

3 Catching planes

The shaft of the drill has three mounting surfaces. This gives good hold in the drill chuck and averts slipping under load.

Special brad point design

The double-edged drill-geometry guarantees exact centering and spot-drilling also in thin-walled material – no separate spot-drilling and pilot-drilling demandable, no sideslip possible!

Laser labelled drill steps

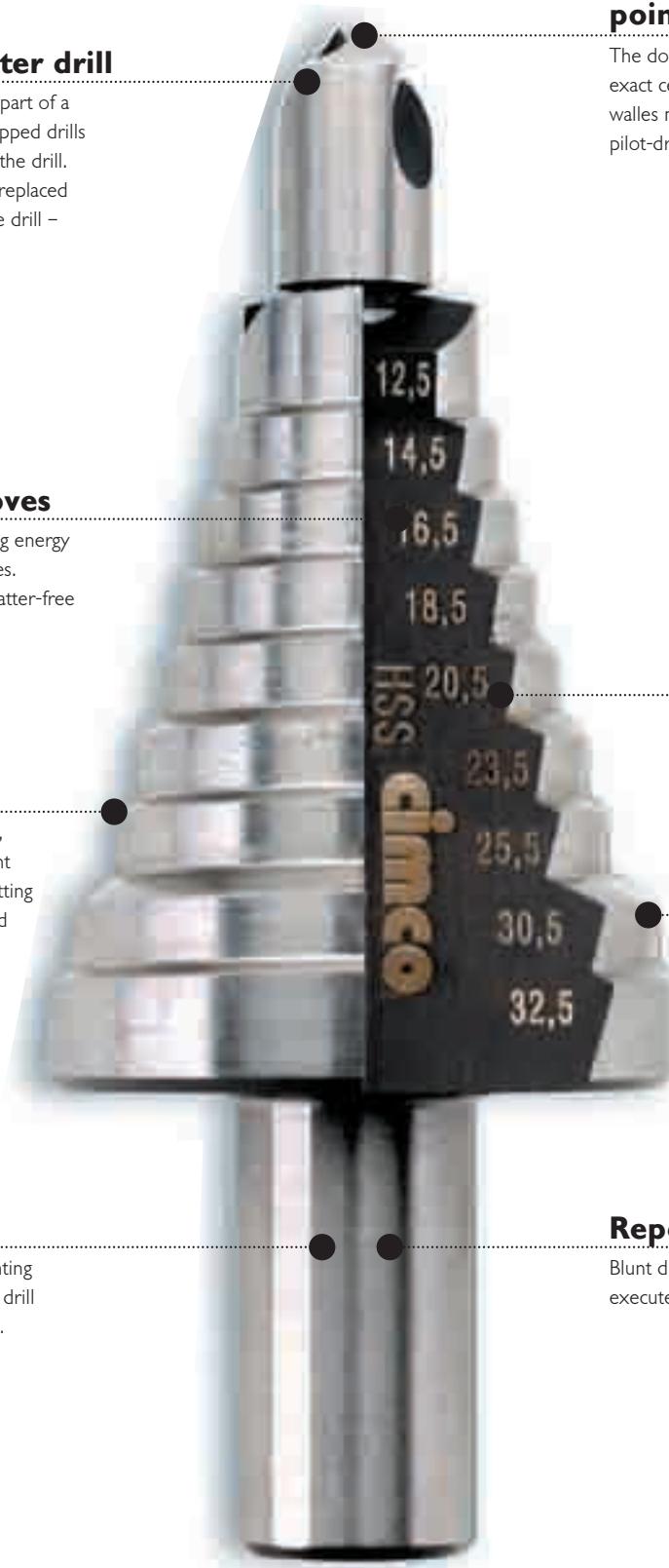
In the grooves every hole diameter is readable.

Automatic deflashing

of the drilled hole by the transition to the next drill step in the same working cycle averts sharp edges.

Repointing service

Blunt drills are sharpened. CIMCO executes this service at cost price.



1 Twist drills

According to DIN 338/HSS-type, cylindrical short, right-hand cutting, rolled version

ø mm	Overall length	Spiral length			No
1,0	34	12	10		20 0314
1,5	40	18	10		20 0324
2,0	49	24	10		20 0334
2,4	57	30	10		20 0342
2,5	57	30	10		20 0344
2,8	61	33	10		20 0350
3,0	61	33	10		20 0354
3,1	65	36	10		20 0356
3,2	65	36	10		20 0358
3,3	65	36	10		20 0360
3,5	70	39	10		20 0364
4,0	75	43	10		20 0373
4,1	75	43	10		20 0374
4,2	75	43	10		20 0375
4,5	80	47	10		20 0379
4,8	86	52	10		20 0383
5,0	86	52	10		20 0385
5,1	86	52	10		20 0386
5,2	86	52	10		20 0387
5,5	93	57	10		20 0391
6,0	93	57	10		20 0397
6,5	101	63	10		20 0403
6,8	109	69	10		20 0407
7,0	109	69	10		20 0409
7,5	109	69	10		20 0415
8,0	117	75	10		20 0421
8,5	117	75	10		20 0427
9,0	125	81	10		20 0433
9,5	125	81	10		20 0439
10,0	133	87	10		20 0445
10,2	133	87	10		20 0447
10,5	133	87	10		20 0451
11,0	142	94	10		20 0457
11,5	142	94	10		20 0463
12,0	151	101	5		20 0469
12,5	151	101	5		20 0472
13,0	151	101	5		20 0476



Further dimensions, especially intermediate sizes, deliverable from stock

13 Twist drill-assortments

According to DIN 338, in metal box

Pieces	ø mm	mm		Increasing in steps of
Drills rolled, HSS				
19	1 - 10	0,5	1	20 1352
25	1 - 13	0,5	1	20 1354
Drills form grinded				
19	1 - 10	0,5	1	20 1358
25	1 - 13	0,5	1	20 1360



21 Twist drill-assortment

In plastic-round box, drills rolled, HSS, according to DIN 338

Pieces	ø mm	mm		Increasing in steps of
19	1 - 10	0,5	1	20 1320



24 Twist drill workshop-magazine

In metal cartridge, drills rolled, HSS, according to DIN 338, 170-part, increasing in steps of 0,5 mm

Each time 10 pieces 1,0 - 8,0 mm and each time 5 pieces 8,5 - 10,0 mm	1	20 1340
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	Dimension mm		Nº
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Stone and concrete drills

With hard metal edges and cylinder shaft

Ø mm	Overall length	Spiral length		
3	70	40	10	20 1600
4	80	45	10	20 1604
5	90	55	10	20 1610
6	100	60	10	20 1614
	160	100	10	20 1702
	400	300	10	20 1752
7	110	70	10	20 1618
8	120	80	10	20 1622
	400	300	10	20 1758
	600	500	5	20 1854
10	140	100	10	20 1630
	400	300	10	20 1760
	600	500	5	20 1856
12	160	110	10	20 1634
	400	300	10	20 1762
	600	500	5	20 1858
14	160	110	10	20 1638
	600	500	10	20 1862



Stone drill-assortment

With hard metal edges, in plastic cartridge

pieces	Drill ø		
7	4 - 5 - 6 - 7 - 8 - 10 - 12 mm	1	20 1380



Hammer drills

With double spiral with hard metal edges, retaining system SDS

Ø mm	Overall length	Spiral length		
5	110	50	10	20 8302
	160	100	10	20 8304
6	110	50	10	20 8308
	160	100	10	20 8310
7	110	50	10	20 8316
	160	100	10	20 8318
8	110	50	10	20 8320
	160	100	10	20 8322
	210	150	10	20 8324
10	110	50	10	20 8328
	160	100	10	20 8330
	210	150	10	20 8332
	300	250	10	20 8334
	460	410	10	20 8336
12	166	100	10	20 8342
	230	180	10	20 8343
	300	250	10	20 8344
	460	410	10	20 8346
	600	550	5	20 8348
14	160	100	5	20 8354
	230	180	5	20 8355
	300	250	5	20 8356
	460	410	5	20 8357
15	300	250	5	20 8360
16	150	100	5	20 8362
	200	150	5	20 8364
	460	410	5	20 8366
	600	550	5	20 8368
18	200	150	5	20 8372
	460	410	5	20 8373
19	460	410	5	20 8378
20	200	150	5	20 8380
	460	410	5	20 8382
22	300	250	5	20 8384
	460	410	5	20 8386
24	300	250	5	20 8388
25	300	250	5	20 8390



	Dimension mm		Nº
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cimco®

1 Hammer drill-assortment – 9-part

2 Retaining system SDS, in metal box

Piece	Overall length	Drill ø
2	110	5
2	110	6
1	160	6
1	110	8
1	160	8
1	160	10
1	166	12

3 9 hammer drills assorted

4 1 20 1392



5 Hammer drill CIMCO

6 With quality-hard metal edges, retaining system SDS

ø mm	Overall length	Spiral length		
5	110	45	12	20 8602
	160	95	12	20 8604
5,5	110	45	12	20 8605
	160	95	12	20 8606
6	110	45	12	20 8608
	160	95	12	20 8610
6,5	110	45	12	20 8616
	160	95	12	20 8618
8	110	45	12	20 8620
	160	95	12	20 8622
	210	145	12	20 8624
10	110	45	12	20 8628
	160	95	12	20 8630
	210	145	12	20 8632
	310	255	6	20 8634
	450	395	6	20 8636
12	160	95	12	20 8642
	210	155	12	20 8643
	310	255	6	20 8644
	450	395	6	20 8646
	600	545	6	20 8648
14	160	95	12	20 8654
	210	155	12	20 8655
	310	255	6	20 8656
	450	395	6	20 8657
16	160	105	12	20 8662
	210	155	12	20 8664
	450	395	6	20 8666
	600	545	6	20 8668
18	210	155	6	20 8672
	450	395	6	20 8673
20	210	155	6	20 8680
	450	395	6	20 8682
22	310	255	6	20 8684
	450	395	6	20 8686
25	310	255	6	20 8690

21 Other sizes on demand

22 CIMCO-hammer drill assortment – 50-part

23 50 pieces CIMCO-hammer drills assorted, in the 5 most usual sizes, in stable plastic transport case. Content:

ø mm	Overall length	Spiral length	Content pieces	
5	110	45	5	20 8602
6	110	45	10	20 8608
6	160	95	20	20 8610
8	160	95	10	20 8622
10	160	95	5	20 8630

24 50 hammer drills assorted

25 1 20 8175



		Dimension mm		Nº
Multi-purpose drills				
Hard-faced, for drilling in stone – metal – plastic – wood, cylindrical retaining shaft				
ø mm	Overall length	Spiral length		
4	80	41	10	20 1880
5	90	44	10	20 1882
6	100	54	10	20 1884
7	110	59	10	20 1886
8	120	63	10	20 1888
10	140	83	10	20 1890
12	160	99	10	20 1892
14	160	99	10	20 1894



Hammer drills

with hard metal edges, 12 – 15 mm ø = 2 edges, from 16 mm ø = 4 edges, with SDS-MAX-retaining system

ø mm	Overall length	Spiral length		
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
15	340	200	1	20 8110
	540	400	1	20 8112
16	340	200	1	20 8114
	540	400	1	20 8116
18	340	400	1	20 8118
	540	400	1	20 8120
20	320	200	1	20 8122
	520	400	1	20 8124
	920	800	1	20 8126
22	320	200	1	20 8128
	520	400	1	20 8130
	920	800	1	20 8132
24	320	200	1	20 8134
	520	400	1	20 8136
25	320	200	1	20 8138
	520	400	1	20 8140
	920	800	1	20 8142
28	370	250	1	20 8144
	570	450	1	20 8146
30	370	250	1	20 8150
	570	450	1	20 8152
32	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
40	370	250	1	20 8170
	570	450	1	20 8172
	920	800	1	20 8174



Drilling paste

50 g

1 20 1307

**Sheet metal center bit**

For the flashless treatment of thin materials, made of HSS

Drilling range

Ø mm	Shaft Ø mm	Size	Length mm	1	20 1294
3 - 9,1	6		60	1	20 1295
3 - 11,2	6		60	1	20 1280
3 - 14,0	6	0	60	1	20 1282
8 - 20,0	8	1	62	1	20 1284
16 - 30,0	10	2	72	1	20 1286
25 - 40,0	12	3	83	1	20 1286

**Sheet metal center bit assortment**

In steel sheet box, with drilling paste

Each time 1 piece No. 20 1280, No. 20 1282, No. 20 1284

1 20 1300

**Antenna drill**

Made of HSS

Drilling range

Ø mm	Shaft Ø mm	Size	Length mm	1	20 1290
9,5 - 22,5	8	1	80	1	20 1293
4,0 - 30,5	10	2	100		

**Milling drill**

Made of HSS-top-quality for very high power and long tool life, ground milling teeth and deep grinded chucking grooves, for drilling, milling, cutting, rasping and filing of wood, flake boards, plastics, aluminium, other nonferrous metals, steel sheet, gypsum plaster

Ø mm	Length mm	1	20 1298
6,35 (1/4")	94	1	20 1298

**Countersink-bit 90°**

Made of HSS, 3 edges, axially and radially relief-grinded, shaft 1/4" according to DIN 3126

Ø mm	For M	Length mm	1	20 1982
6,3	3	31	1	20 1983
8,3	4	31	1	20 1984
10,4	5	34	1	20 1985
12,4	6	35	1	20 1986
16,5	8	38	1	20 1987
20,5	10	42	1	20 1987

**Countersink-bit 90°-assortment**

6-part, in steel sheet case

Each time 1 piece countersink-bit 6,3 - 20,5 mm Ø

1 20 1989

**Combination screw-tap**

Drilling - threading - deflashing in one operation step, made of HSS,

Applicable for steel and nonferrous metals, for material thickness 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 screw-tap-assortment**

for drilling core holes, threading and deflashing in one operation step, with 1/4" hexagon-shaft. For working on steel, NE-metals and plastics. In plastic case

Each time 1 piece M 3 - 4 - 5 - 6 - 8 - 10

1 20 7360



NEW

HSS (super-speed steel)-screw-tap sets

In metal case, with screw-taps according to DIN 352 for metric coarse-pitch threads,

3-part sets with taper, second and bottoming tap, each time 1 set m 3 – 4 – 5 – 6 – 8 – 10 – 12

1 20 3920

Additionally with HSS-spiral drills (core hole drills)

2,5 – 3,3 – 4,2 – 5 – 6,8 – 8,5 – 10,2 mm ø 1 20 3924

**HSS (super-speed steel)-screw-taps DIRECT CUTTER**

Single-tooth-screw taps made of HSSG, for metric coarse-pitch threads, in metal case

Each time 1 piece M 3 – 4 – 5 – 6 – 8 – 10 – 12

Each 1 pc. HSS-Twist drills (for core holes), 1 pc. Adjustable tap wrench,
size 1. 1/2 (for screw taps M 1 – M 12)

1 20 3070

HSS (super-speed steel)-threading tool-set

For metric coarse-pitch threads,

In metal case, with screw taps according to DIN 352, 3-part sets M 3 – 4 – 5 – 6 – 8 – 10 – 12,

Die stocks according to DIN 223 M 3 – 4 – 5 – 6 – 8 – 10 – 12, thread gauge,

Die holder mm 20 x 5 – 20 x 7 – 25 x 9 – 30 x 11 – 38 x 14

Tap wrench size 1 – 2

1 20 3930

Nipple threading tool

With guiding, die stock and screw tap interchangeable

M 10 + M 13 1 14 1000

M 10 x 1 mm 1 14 1002

M 13 x 1 mm 1 14 1004

**Tool holder**

With ratchet for right- and left-hand, chromium-plated

Clamping range For screw tap

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

**Thread-repair-assortment**

For the metric coarse-pitch threads 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

are neatly enclosed in a stable metal case each time spiral drills for boring up, single tooth-screw tap especially for

threaded inserts, hand mounting tool with locking ring for the screwing in of the threaded inserts, each size 25 pieces

threaded inserts (M 12 only 10 pieces), therefore 110 inserts. The threaded inserts are made of non-corroding steel,
and have a nominal size-length of ø x 1,5. the system is fully compatible with other leading products.

360 x 230 x 30 mm 1 20 1245



Threading tools for screwed cable glands

Screw taps

For metric screwed cable glands, also in plastic, not in VA-steel

	Overall length	Threaded length		
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 pipe PG (steel armoured conduits) 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 wrench

Short version

for screw taps

M	inch	PG		
7 - 18	1/4" - 3/4"	7 - 21	1	14 1020
20 - 63	1/2" - 2 1/2"	11 - 48	1	14 1022

Screwing dies

for screw plate stock

For metric screwed cable glands

	Number of edges	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 pipe PG (steel armoured conduits) 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

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Dimension mm

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Nº

Guidings

For screw plate stock

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 Pipe 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



Screw plates for steel armoured conduits

Made of malleable iron, with steel tube-arms, without accessories for screwed cable glands

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



Complete screw plates for screwed cable glands

With screwing dies and guidings

M 16 - 25	1	14 0886
M 32 - 40	1	14 0887
M 50 - 63	1	14 0888
PG 9 - 21	1	14 0950
PG 29 - 36	1	14 0952



With adjustable guiding (guiding rings are 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

Stepped screw-taps for screwed cable glands

Stepped screw-tap made of best applicative oil-hardenend tool steel for the most common metric screwed cable glands. Applicable for working in plastic and metal, also non-corrodung steel, each step 1 to 6 threads, drive via hexagon shaft (i.e. via ring-, open end or socket wrench). With the drill M 12 to M 32 (No. 20 1240) about 85 % of all screwed cable glands, with the two other drills together about 90 % of all screwed cable glands are covered. Towards several single screw taps the stepped-screw taps offer a price advantage of up to 25 %.

For screwed cable glands	Length	SW hexagon		
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



Assortment of stepped drills and screw taps for screwed cable glands

Copact set for drilling of core and through holes as well as for thread-cutting of metric screwed cable glands according to DIN EN 60 423, in handily plastic transport case. Assortment consisting of 1 HSS-stepped drill for flashless drilling and reaming, double-edged, with fixed brad point and 13 laser marked drill steps for through and core holes for screwings from M 12 to M 32, retaining shaft 12 mm diameter with 3 catching planes against slipping through of drill in drill chuck. 5 HSS-single tooth screw taps (direct cutter) sorted for ISO-fine-pitch threads 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 version, with hexagon drive shaft (10 resp. 13 mm) for one-hand-operation even on difficult accessable places, operation with socket wrench (nut and ratchet), but also with open-end and ring wrenches

6-part	1	20 1250
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Nozzle reamer set

12 nozzle reamers and holder, in plastic box

0,61 - 1,9 mm Ø

10

20 4815

**Diamond-cutoof wheels**

For the dry grinding, fitting for all customary right angle grinding machines (retainer 22,2 mm Ø)

Version with sinter-fused diamond tooth, for abrasive material of medium hardness (marble, chalky sandstone, shale)

115	1	20 7950
125	1	20 7952



Version with turbo segments for dry and wet cutting. For granite, concrete, natural stone, exposed aggregate concrete, hard clinker, roofing tiles (special problem solver on wall chase and joint cutters). Tested according to UVV VBG 49.

115	1	20 7960
125	1	20 7962
150	1	20 7964
180	1	20 7966
230	1	20 7968



Version with overall sinter-fused diamond coating, 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

**Formwork drills**

Safety-formwork drills made of chrome vanadium steel, for wood, light building boards, gypsum boards, not applicable 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 made of HSS-Bi-metal with Vario-toothing

The variable spacing (4 – 6 teeth per inch) guarantees a chatter-free drilling. Hole saws with retaining thread, from 32 mm Ø additional tappet holes. For the rational drilling of: steel – cast iron – stainless steel – copper – non ferrous metals – hard and soft wood – sheetrocks and other materials. Saw length 50 mm, max. drilling depth 40 mm, retaining thread M 10.

for retaining shafts No. 20 7580 and No. 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



for retaining shafts No. 20 7584, No. 20 7586 and No. 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 saw for flush boxes

Complete with retaining shaft (No. 20 7584), guide drill and return spring.

68	1	20 7562
Additionally with boarding rose bit Nr. 20 7598	1	20 7563



NEW

Retaining shafts

Complete with guide drill (No. 207590) and external thread, matching to hole saws made of HSS-Bi-metal
9,5 mm hexagon, without tappet

For hole saws 14 - 30 mm ø	1	20 7580
For hole saws 32 - 152 mm ø	1	20 7581



11 mm hexagon, with tappet

For hole saws 32 - 152 mm ø	1	20 7584
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11 mm hexagon, with tappet and internal counternut

For hole saws 32 - 152 mm ø	1	20 7586
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SDS-retaining, without tappet

For hole saws 14 - 30 mm ø	1	20 7588
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SDS-retaining, with tappet

For hole saws 32 - 152 mm ø	1	20 7589
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HSS-guide drills

For retaining shaft No. 20 7580, 20 7581, 20 7584, 20 7586, 20 7588 and 20 7589

6,35 mm ø - 70 mm long	1	20 7590
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6,35 mm ø - 115 mm long	1	20 7592
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Return spring

Matching from 52 mm ø

	1	20 7596
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For HSS-Bi-metal-hole saws 68 mm ø, with two special hardened steel cutting teeth

1	20 7598
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HSS-Bi-metal - hole saws-assortments

ELECTRO-TOP with countersink

Content: each time one hole saw 35 mm, 68 mm, 75 mm ø

Countersink for 68 mm ø, with two special hardened cutting teeth

Retaining shaft with two tappet bolts Nr. 20 7584

HSS-guide drill, 6,35 mm ø, length 70 mm

Return spring (for all saws from 52 mm ø)

Detailed drilling directions, in impact-resistant plastic box

1	20 7400
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ELECTRO METRIC

With 6 hole saws for drilling of clearance holes for metric screwed cable glands

Retaining shafts with HSS-guide drill, (No. 20 7580 and No. 20 7584)

Hole saws ø mm

20		20 7420
25		20 7425
32		20 7432
40		20 7440
50		20 7450
64	1	20 7464
		20 7573



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Dimension mm

Nº

Wall outlet cutter

Hole saw with metal body, retaining shaft 6 mm diameter, saw teeth induction hardened, cutting depth 19 mm
 7 saw inserts 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 sheetrocks

1 12 0882



Hard metal-hole saws

For the rational drilling of:
 Sheetrocks, Yton stones, gas concrete, wood, flake boards, plywood, hardboard, PVC,
 plastic coated plates, glass fibre plates

Saw length: 66 mm, max. drilling depth: 58 mm, retaining thread M 16, for hole saws

ø mm

35	1	20 7714
68	1	20 7728
71	1	20 7730
74	1	20 7732



Hard metal-boarding rose bit

With 2 teeth
 For hard metal hole saws 68 mm ø

1 20 7750



Retaining shafts

Without guide drill, with retaining thread M 16

Cylindric retaining 13 mm ø, 3 catching planes	70	1	20 7760
Retaining system SDS	70	1	20 7764



Guide drill

Hard faced

7 mm ø	100	1	20 7770
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Hard metal-hole saw

68 mm ø, with rose bit, retaining shaft and HM-guide drill

With retaining shaft 13 mm diameter (No. 20 7760)	1	20 7740
With retaining shaft SDS (No. 20 7764)	1	20 7744



Hard metal-hole saws – assortment, 5-part

In steel sheet case, 3 hole saws, boarding rose bit for 68 mm ø, retaining shaft 13 mm ø,
 each time 1 HSS- and hard metal guide drill

Hole saws ø mm

35, 68, 74	1	20 7700
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Diamond core drill

Diamond cleats laser welded, for dry cutting, no resharpening required, high drilling power and long tool life.

Drilling without impact in universal brickwork, stone and concrete, chalky sandstone.

Retaining thread M 16, overall length 80 mm, maximum drilling depth 70 mm



Diamond core drill

Number of diamond cleats (segments)

6	ø 68	1	20 7380
10	ø 82	1	20 7382



Retaining shaft

For diamond core drill, retaining thread M 16

Shaft SW 12 (hexagon)	1	20 7384
Retaining system SDS	1	20 7385

cimco®

	Dimension mm		Nº	
Hard metal center drill				
For shaft (No. 20 7384)	9 mm ø x 120 mm	1	20 7386	
Diamond core drill				
Complete with retaining shaft and HM-center drill				
With retaining shaft (No. 20 7384)				
Hexagon SW 12	ø 68	1	20 7378	
	ø 82	1	20 7379	
With retaining shaft (No. 20 7385)				
Retaining system SDS	ø 68	1	20 7388	
	ø 82	1	20 7389	
File hafts				
According to DIN ISO 395, beechen				
For files mm				
to 100	80	20	20 6850	
to 125	100	20	20 6852	
to 200	120	20	20 6854	
to 300	140	20	20 6856	
to 350	160	20	20 6857	
Workshop-files-assortment, 5-part				
Cross-cut, with cut 2 (semi-fine), length 200 mm, with wooden haft, applicable for metal, but also for wood and plastic				
Each time 1 piece	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1	20 6806	
Warding files-assortment				
6 files with wooden haft, according to DIN 7283, form A –B –C – D – E – F, length 100 mm				
In plastic box	10	20	20 6750	
File cleaning brush				
For cleaning of wood and metal files. With stable beech wood carrier and steel trimming				
Work space 115 mm x 40 mm	250	12	14 1325	
Contact files				
6 pieces in self-service tear-off-bag				
Length 160 mm		1 set	20 6760	
Contact brush				
Contact or spark plug cleaning brushes with wavy brass trimming 0,15 mm ø and stable beech wood handles				
3-rowed	150	12	14 1320	
Universal deflasher				
For all deflashing operations on drilled holes as well as on straight, convex and concave edges (i.e. inner and outer edges of pipes), aluminium handle, interchangeable, hardened blade				
		1	20 8500	
Saw blades for pad saws made of CrV-steel				
Self-service-packaged, for wood, plastic up to 60 mm				
For AEG – Bosch – Metabo – machines	5	20	20 8506	
For Black + Decker – Skil – Fein – machines	5	20	20 8507	
Saw blades for pad saws made of HSS-Bi-metal				
Self-service-packaged, for soft steel , aluminium, nonferrous heavy metal, stainless steel up to 4 mm				
For AEG – Bosch – Metabo – machines	5	20	20 8522	
For Black + Decker – Skil – Fein – machines	5	20	20 8523	

HAMMERS, CHISELS, TANG SCRAPERS

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Head

Mechanical blocking of head by steel wedge, sealed with synthetic resin.



Safety socket

The head with solid forged handle protection collar for additional strength and in addition an nylon-protection capsule for effective shock absorption during mis-aligned strokes.

Handle

Patented high-safety-handle in 3-component-composition: core made of thick-walled aluminium tube in high-tensile alloy, coating made of chemical resistant and waterproof polyamide, handle made of non-slip thermoplastic natural rubber.

3-components-sledge hammers and German standard hammers

Ergonomic, indestructible, vibration-free therefore extremely long-lasting. Patented head with solid forged handle-protection collar made of high-grade steel according to DIN. 3-components-high-safety-handle, patented, mechanically fixed by wedge made of steel for mechanical strength, core made of aluminium-alloy, polyamide-component ultra-resistant even against oils and solvents, handle and protection capsule made of thermoplastic non-slip natural rubber.

German standard hammers

Hammer weight g

300	6	13 0403
500	6	13 0405
1000	6	13 0410



Sledge hammers

Hammer weight g

800	6	13 0708
1000	6	13 0710
1250	6	13 0712
1500	6	13 0715



Safety-German standard hammers

Structural dimensions and machining according to DIN 1041, GS-certified.

With solid-forged handle protection collar and additional nylon handle protection capsule.

With double flared hickory handle, hammer head double secured with ring wedge and synthetic resin-sealing.

Hammer weight g

200	6	13 0580
300	6	13 0582
400	6	13 0584
500	6	13 0586
1000	6	13 0592



Safety-sledge hammers

According to DIN 6475, other machining as above

Hammer weight g

1000	6	13 0600
1250	6	13 0602
1500	6	13 0604



German standard hammers

According to DIN 1041, GS-certified, with polished, flared ash-wood handle, hammer head secured with ring wedge.

Hammer weight g

300	12	13 0804
500	6	13 0808



Sledge hammers

According to DIN 6475, GS-certified, with polished ash-wood handle, hammer head secured with ring wedge.

Hammer weight g

1000	6	13 0880
1250	6	13 0882



Plastic hammer

With interchangeable Cellidor-inserts, for beating-out and straightening of metal sheets and frames resp. application on sensitive surfaces (resin, enamel, zinc coating, chromium coating)

Head 35 mm Ø	6	13 1053
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Electricians chisel

Made of chrome vanadium steel

Blade Steel thickness

width mm mm

10	8	250	10	13 0006
12	8	250	10	13 0008
15	10	250	10	13 0010



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Dimension mm



Nº

Stone chisel

According to DIN 7254 A, made of chrome vanadium air hardened steel

Blade width mm	Steel thickness mm	Blade length mm	Blade thickness mm	Nº
26	20 x 12	250	10	13 0022
29	23 x 13	300	10	13 0024



Octagon-stone chisel

According to DIN 7254 B, made of chrome vanadium air hardened steel

Blade width mm	Steel thickness mm	Blade length mm	Blade thickness mm	Nº
23	16	250	10	13 0032
26	18	300	10	13 0034



Octagon-stone chisel

According to DIN 7254 B, made of chrome vanadium air hardened steel

Steel thickness mm	Blade length mm	Blade thickness mm	Nº
16	250	10	13 0052
18	300	10	13 0054



Octagon-splitting chisel

Made of chrome vanadium air hardened steel

Blade width mm	Steel thickness mm	Blade length mm	Nº
30	18	240	10



Centrepunch

For centring of drilling holes, according to DIN 7250, octagon, made of chrome vanadium air hardened steel

Steel thickness mm	Blade length mm	Nº
10	120	10



Drift punch-set with centrepunch

Made of chrome vanadium air hardened steel, length 120 mm, in plastic container, for buckling of sheets and thin metals, for pin punching and imbedding nails

Each time 1 piece 1 2 3 4 5 mm ø, prick punch 120 x 10 mm	Blade length mm	Nº
	120	1



Pin punch

Made of chrome vanadium steel, length 150 mm, in plastic container, for starting of split-pins, drift pins and safety devices out of bores

Each time 1 piece 3 4 5 6 7 8mm ø	Blade length mm	Nº
	150	1



Flattener

Made of chromium molybdenum air hardened steel, completely hardened and head quenched and subsequently drawn.

For setting of steel nails with cylindrical shaft and thread (retainer M 6)

M6	Blade length mm	Nº
	170	1



Hand protection for flattener

Blade length mm	Nº
	1



Firmer chisel

According to DIN 5139, with lateral facet, polished wood haft and blade protection

Bladewidth mm	Blade length mm	Blade thickness mm	Blade width mm	Nº
10	124	254	12	13 0524
15	126	256	12	13 0530
20	131	261	12	13 0534
22	148	278	12	13 0536
25	148	278	12	13 0538



Dimension mm



Nº

cimco®

Painter's scrapers

Made of steel, blade ground, with oval woodhandle

Width mm

30	185	12	13 1322
40	185	12	13 1324
50	205	12	13 1326
60	205	12	13 1328

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26**Doublescrapers**

Handle plastic-coated

Width mm

20	225	10	13 1404
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26**Plasterer's scrapers**

According to DIN 6441 C, with lacquered woodhandle

Width mm

60	5	13 1420
70	5	13 1422

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26**Gypsum pan**

Made of steel sheet, hot galvanized, with polished wood handle

Height 75 mm	ø 180 mm	1	14 0302
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26**Gypsum hutch**

Made of soft rubber

Height 90 mm	ø 125 mm	1	14 0306
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26**Water brush**

Pure bristles, vulcanized, with thread bond

ø 24 mm	36	14 0310
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26**Chalk line roller**

With colour powder, body made of metal, string length 15 m

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MEASURING TOOLS

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Handle

Removable handle for the optional use
on construction sites, in stores,
workshop etc.

Counter (Metre)

German branded totalizer with
high accuracy of measurement
and a measuring range from
0 to 9999,9 meter.

Material

Knurled aluminium measuring wheel
and powder coated, zinc housing.

Electricians safety spirit level

Made of non-conducting, non-warping plastic, with 1 horizontal and 1 vertical 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



Switch cabinet spirit level

Torpedo-shape, other styling as above

250 mm	20 x 40 mm	1	21 1440
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Switch cabinet spirit level

Torpedo-shape, with magnet,

With horizontal-, vertical- and 45° level

200 mm	15 x 38 mm	1	21 1442
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Marking spirit level for flush boxes

Rulers made of anodized aluminium with abrasion resistant mm- and cm-scaling and end pieces made of highly solid plastic, with 2 integrated quality-levels made of shatter-proof acrylic glass with 30 years warranty for liquid tightness and very high measuring accuracy, with 3 (!) adjustable slides for marking of up to 5 drilling holes in horizontal or vertical positioning and predetermined distance, ideal as marking template for setting flush boxes, installation of switch cabinets, conduits, wash-basins, signs and many more

2 x 250 mm = 500 mm	730 x 45 mm	1	21 1450
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Light metal spirit levels

Anodized, with 1 horizontal and 1 vertical level

400 mm	20 x 57 mm	1	21 1420
500 mm	20 x 57 mm	1	21 1421
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



Additionally with one 45°-level

400 mm	20 x 57 mm	1	21 1430
600 mm	20 x 57 mm	1	21 1432

Folding meter rules

10 sections, length 2 m, double-sided mm-scaling

made of plastic, highly elastic		10	21 0008
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made of wood, with steel spring		10	21 0004
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Pocket-measure tape

Made of 19 mm wide spring band steel, yellow stove-finished, in metric scaling, soft running automatic tape rewinding with powerful stop-key, break-proof ABS-housing in modern 2-component-styling with ergonomic soft rubber insertion, with support-clip

red	5 m	6	21 0065
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Glass fibre-measure tape

13 mm wide, yellow, non-buckling and break-proof fibreglass-tape, one-sided metric scaled (meter and centimeter), EG-design certification, accuracy class II, with plastic end hook, in closed round capsule made of shock-resistant plastic, with crank

20 m		1	21 0104
30 m		1	21 0106



Ampere gauge

Made of steel, mat nickel-plated

solid wire 0,75 – 16 mm ² , stranded wire 0,75 – 1000 mm ²		10	14 0110
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Cable or wire gauge

According to Swiss norm (Dätwyler)

made of nylon	95 x 35 x 3 mm	1	14 0120
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Cable length hand measuring tool

Measuring tool for fast and exact determination of cable length, wide range of application for all kinds of cables and other winding materials from 4 to 35 mm Ø, automatic cable size-adjustment via pressure clamp, German branded counter with high accuracy of measurement, measuring range 0 to 9999,9 m, zero setting by reset-lever key button, knurled measuring wheel made of aluminium, removable handle for mobile use on construction sites, in stores, workshop etc., with retaining shaft for stationary use connected with all CIMCO-TROMMELFIX-spooling systems and the CIMCO-connecting stand

4 - 35 mm Ø

1 14 2745

**Electronic digital display pocket vernier**

For measurement of lengths, depths, outer and inner diameters, stainless, hardened version, big LCD-display, modifiable zero point adjustment, shift mm - inch, automatic display-deactivation, with thumb roller for fine-adjustment and locking screw, incl. batteries and manual, in black plastic case

150 mm / 6"

0,01 mm / 0,0005"

1 21 0300

**Precision pocket vernier**

Made of stainless steel, completely hardened, with measuring tips, depth vernier and thread scale, with moment lock, in plastic bag

Measuring range

Reading

mm

mm

inch

blank

150

1/20

1/128"

10 21 0200

mat chrom. plated 150

1/20

1/128"

10 21 0202

**Pocket vernier**

with offset nib ends made of brass

Measuring range

Reading

mm

mm

inch

100

1/10

1/16"

10 21 0215

**Shifting gauges**

Made of steel, flat version, mm-division

Measuring range

Reading

mm

mm

0-200

0,1

1 21 2000

0-250

0,1

1 21 2002

**Wing divider**

With square legs and box point,

Tips hardened

radius max. 235 mm

200 mm

1 21 2062

**Scribers with hard metal tip**

Hard metal tip interchangeable and retractable

150 mm

10 21 2100



Loose hard metal tip

10 21 2102

Scriber with steel tips

Holder knurled, tip hardened and removable,

With straight and 90° bended tip

240 mm

10 21 2140

**Cellugraph-universal writer**

Writes on all smooth surfaces (glass, tiles, metal and so on) and on foils, can be wiped off

black

240 mm

50 21 2168

**Carpenter's pencil**

For marking on wood, metal and rubber

black

240 mm

100 21 2170



Sharpener

For carpenter's pencils in oval (European form) and flat-oval form, also for marking chalks from 10-15 mm ø
 ø mm
 10 - 15

1

21 2179

**Marking chalk**

12 mm hexagonal, 115 mm long, stable realization, for marking on wood, metal, stone, paperboard, tiles, paper and others
 red 12 21 2172
 yellow 12 21 2173
 blue 12 21 2176

Chalk holder

Chalk pencil, octagonal, made of black shock resistant polystyrene with metal-press mechanism.
 For chalks with 11 mm or 12 mm ø.

115 mm

10

21 2180

**Deep-Hole-Marker**

For marking, drawing and inscribing even hard getting places. Marks and writes on all surfaces (plastic, metal, stone, wood and glass). Water-resistant and quick drying ink. Robust, patented stainless-steel telescope point. Handy marker's top with special clip for easy handling and one-hand-using.

black - line width 1 mm

10

21 2182

**Marking spray**

For coloured freehand- and template-markings, chalk-based (non-permanent), environment-friendly, free from toxic substances, solvents, CFC-propellants, water endangering class 0, adheres also when wet on various surfaces as concrete, asphalt, walling, wood, metal, plastic, grass, and others, approved by Deutsche Telekom

red

400 ml

6

21 2190



SPECIAL TOOLS FOR DATA-NETWORK-TECHNOLOGY



Toolcase DELUXE

Elegant aluminium case made for high-tech-installation and -service, shells made of cold-coiled, compact anodized aluminium, bottom shell with cube-shaped pre-punched foamed material enclosure for safe transport of sensitive elements and equipment like notebook, measurement instruments, printed circuit boards etc., aluminium-double-frame for highest stability, non warping, 2 tool boards with many pockets, separate document bag, 2 chromium-plated design-locks, additional combination lock, ergonomic soft-grip-handle, weight: 6.000 g

475 x 180 x 360 mm

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17 3200

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26**Storage bag for laptop computers and accessories**

Functional and very lightweight carrying bag with numerous pockets for documents, business cards, mobile phone and accessories, two special padded inner boxes for laptop and additional equipment, i.e. printer; removable bag for power supply, fixed with velcro fastening, made of resistive black polyester-/koskin-tissue, weight 1.250 g

410 x 130 x 340 mm

1

17 5150

**Tool, document and notebook computer bag**

The Top-model of WORK-Line: tool case, briefcase and notebook computer case, all in one! Completely folding up tool bag with zip, 9 tool pockets of different size, 15 different elastic holders for small tools, screwdrivers, writing utensils and so on, integrated notebook computer bag adapted for all usual notebook computers includes separate removable equipment-bag for power supply, mouse etc., large document front bag with zip and differently large pockets and holders for writing utensils, business cards etc., bag for mobile phone and additional inner zip bag, additional small outer document bag, gummed handle, detachable, infinitely variable carrying strap with shoulder pad, weight 1.600 g.

400 x 130 x 320 mm

1

17 5132

**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 equipment as follows: clipboard up to max. DIN A-4 pads, elastic pen-holder, 9 elastic holders of different size for writing utensils, screw drivers, small tools etc., zip bag for small utensils. Document front bag in DIN A-4-size with velcro fastening, 2 handles, weight 1.300 g.

385 x 70 x 290 mm

1

17 5130

**DATA NETWORK TECHNOLOGY I**

raaco service case CARRY LITE 55 with content:

wire stripper DATA STRIP	1	12 0092
Positioning tool ECONOMY	1	11 8017
Crimping tool 4-, 6-, 8-pole unshielded	1	10 6200
Crimpingig tool 8-pole shielded	1	10 6201
Modular connector 4-pole RJ 10 unshielded	100	18 3000
Modular connector 6-pole RJ 12 unshielded	100	18 3004
Modular connector 8-pole RJ 45 unshielded for flex. conductors	50	18 3008
Modular connector 8-pole RJ 45 shielded	50	18 3012
Antikink-bushes for modular connector	black	25
Antikinc-bushes for modular connector	red	25
		18 3020
		18 3022

413 x 330 x 55

1

18 1300

**DATA NETWORK TECHNOLOGY II**

raaco Servicecase CARRY-LITE 55 mit Inhalt:

Modular connector 4-pole RJ 10 unshielded	100	18 3000
Modular connector 6-pole RJ 12 unshielded	100	18 3004
Modular connector 8-pole RJ 45 unshielded for flex. conductors	50	18 3008
Modular connector 8-pole RJ 45 shielded	50	18 3012
Antikinc-bushes for modular connector	black	25
Antikinc-bushes for modular connector	red	25
Velcro tape roll, 16 mm width x 25 mm length	black	1
		18 1922

413 x 330 x 55

1

18 1302



Tool assortments data network technology / telecommunications / electronics



17 0310



17 3210



17 3316

Order No., equipped

with tool case

	Order No.
Flat round nose pliers with unbowed jaws	Description
Flat round nose pliers with bended jaws	200 mm
Universal pliers	185 mm
Diagonal cutter	160 mm
Water pump pliers	250 mm
Electronics side cutter	115 mm
Electronics needlenose pliers with bended jaws	130 mm
Electronics needlenose pliers with long jaws	155 mm
Electronics needlenose 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 data network technology	with 3 pairs of inserts
Tweezers, unbowed, spiky, plain jaws	120 mm
Tweezers, bended, spiky, finely ridged jaws	120 mm
Electricians screwdriver for plain slot screws	2,5 x 0,4 x 75 mm
(Dimensions of blade)	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
Electricians screwdriver for cross slot screws	2,0 x 0,4 x 60 mm
(Dimensions of blade)	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
Electricians screwdriver for cross slot screws	PH 0 x 60 mm
(Dimensions of blade)	PH 1 x 80 mm
	PH 2 x 100 mm
Electricians screwdriver for cross slot screws	PH 0 x 60 mm
(Dimensions of blade)	PH 1 x 80 mm
Double head open ended wrench	6 x 7 mm
(Sizes of the jaw)	8 x 9 mm
	10 x 11 mm
	12 x 13 mm
	14 x 15 mm
	16 x 17 mm
	18 x 19 mm
	20 x 22 mm
Set of hexagon insert socket drivers (inbus), 7 parts	2,5 bis 10 mm
Universal service cabinet-key	made of metal, with bits
One-hand wire snip, up to 12 mm cables	160 mm
Universal shears	190 mm
Telephone shears	130 mm, serrated
	130 mm, even
Precision wire stripper JOKARI PWS "Plus"	bis 0,8 mm ø
Universal wire stripper MULTI-STRIPPER-PLUS	bis 7,5 mm ø
Wire stripper for data cables JOKARI PC-STRIP	bis 15 mm ø
Automatic cable knife JOKARI, hook-shaped blade	8 bis 28 mm ø
Data cable wire stripper, DATA STRIP	
Cable knife with wooden handle	with scraper
Pocket saw PUK	150 mm bearing distance
Clip-on tool ECONOMY	For LSA-Plus-clamps
Folding meter-rule made of wood	2 m
Universal-compressed air spray can	400 ml
Quantity of tools	



17 3310



17 0998

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Dimension mm

Nº

»JOKARI« - PC-STRIP

Special slicing and stripping tool for data- and control lines, telecommunication lines, system cables and so on
Slicing: cables from 5,5 – 15 mm ø
Stripping: conductors from 0,2 – 4,0 mm² or AWG 26 - 11

1

12 0034



Universal stripper DATA STRIP for data cables

Universal tool for cutting, slicing and stripping of round and flat cables, shielded and unshielded cables, cutting depth adjustable, 3 knives interchangeable, for cables from 2 to 10 mm ø

1

12 0092



»JOKARI« - Precision-stripper PWS "Plus"

For conductor ø 0,25 mm (AWG 30), 0,3 mm (AWG 28), 0,4 mm (AWG 26), 0,5 mm (AWG 24), 0,6 mm (AWG 22), 0,8 mm (AWG 20), with wire cutter and length stop

1

12 0033



POSITIONING TOOL for LSA-Plus-clamps

Solder-, screw- and stripping-less connecting and automatic cutting off of conductors with 0,5 to 0,8 mm ø (AWG 24 to 20) to ID terminations in connector boxes and patch panels, professional version with pressure sensor for optimal frictional power, 2 extraction hooks

version ECONOMY

1

11 8017

version KRONE, pressure sensor and cutting-off-function can be turned off

1

11 8018



Coaxial cable stripping tool ECONOMY

For coaxial cables, esp. RG 58, RG 59, RG 62, RG 6; cutting depth of knives adjustable, 3 interchangeable knives, cutting distance optional 8 mm, 6 mm and 4 mm

110

1

12 0098

»JOKARI« - Cable stripper COAXI

For all usual cables from 4,8 – 7,58 mm ø, especially practical for coaxial cables (antenna cables)

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12 0027

TiN



Universal slicer MULTI-Stripper PLUS

This innovative tool combines all usual working steps of normal electrical installation in only one tool
Cable cutter: For cables and conductors with PVC-insulation, round cables up to about 9 mm ø (max. NYM 3 x 1,5 mm²), massive and flexible copper- and aluminium-wires up to 6 mm² (AWG 10 resp. 3 mm).

Cable stripper: Circular cut of round cables with ø 8 mm to 13 mm, esp. NYM 3 x 1,5 mm², NYM 3 x 2,5 mm², NYM 5 x 2,5 mm²

Optical length setting while stripping up to 50 mm resp. 2" for constant working quality.



Coaxial cable stripper: Removing of external jacket (about 7 mm ø) as well as stripping of internal conductor at SAT-TV-coaxial- and video-cables, even RG 58, RG 59, RG 62.

Stripper: Stripping positions for massive and flexible conductors and strands 0,5 mm² (AWG 20) – 1 mm² (AWG 17) – 1,5 mm² (AWG 15) – 2,5 mm² (AWG 13) – 4 mm² (AWG 11) – 6 mm² (AWG 10)



Screwdriver tool: Qualitatively high-grade reverse bit with the two most usual screwdriver-dimensions in electrical appliances (for luster terminals, terminal screws, combination-profile-screws, switch and distribution boxes, switches, lighting units, etc.), for slotted screws 0,8 x 4 mm and crosshead screws Prozidriv PZ, length of bit 65 mm, with safety-lock against unintended unfastening especially at phase test. Reverse bit is stored in a special retaining trough when not used.

Phase- resp. voltage test: Voltage-range 110 Volt to 250 Volt, 50 to 500 Hz, optical display via glow lamp, routine check tested.

Modern 2-component-version with soft rubber part for comfortable grip, large comfortable lock against unintended opening while screwing/testing, length 182 mm, weight only 143 g.

182

1

12 0000

Dimension mm

Nº

cimco®

Crimping tool for unshielded modular connectors (modular jacks)

4-, 6- and 8-pole

Ratchet-automatic with adjustable locking device, cutting off- and stripping device, 2-component-handles, for RJ 10 (4P2C and 4P4C), RJ 11 (6P4C), RJ 12 (6P6C), RJ 45 (8P8C)

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10 6200

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Crimping tool ECONOMY for modular jacks

For unshielded modular connectors, with cutting off- and stripping device, interchangeable knives

For modular jacks 4-pole RJ 10 (4P4C) and RJ 14 (4P2C)	1	10 6116
For modular jacks 6-pole RJ 11 (6P4C) and RJ 12 (6P6C)	1	10 6117
For modular jacks 8-pole RJ 45 (8P8C)	1	10 6118



Crimping tool for shielded modular connectors 8-pole

Ratchet-automatic with adjustable locking device, conductor and shielding are pressed in one operation, for RJ 45 CAT.5 (8P8C)

For connectors style HIROSE	220	1	10 6202
For connectors style CIMCO	220	1	10 6201
For connectors style STEWART STAMPING	220	1	10 6203



Crimping tool for OWG-(fibre optic)-connectors

With ratchet-automatic and adjustable locking device

round pressing, crimping dimensions: 1,07 mm (0.042") – 1,72 mm (0.068") – 3,38 mm (0.131") – 4,11 mm (0.162") – 4,95 mm (0.195"), i.e. for 3M-ST-/AMP-SMA-/FC-/PC-connectors

1 10 6156

Hexagonal pressing, crimping dimensions: 1,07 mm (0.042") – 1,72 mm (0.068") – 3,84 mm (0.151") – 4,52 mm (0.178") – 4,95 mm (0.195"), i.e. for 3M-ST-/AT&T-ST-/SMA-connectors

1 10 6158



Crimping tool for coaxial connectors BNC/TNC

Ratchet automatic, toggle joint, with adjustable locking device (pressure point unlocking device), for data connectors for RG 58/RG 59/RG 62/RG 174, crimping dimensions: 1,72 mm (0.068") – 4,75 mm (0.187") – 5,41 mm (0.213") – 6,48 mm (0.255")

220 1 10 6138



Crimping tool for coaxial F-connectors

For installation of SAT-systems, for all customary crimp-connectors, ratchet automatic, locking device (pressure point unlocking device), hexagonal pressing 0,1" (2,54 mm), 0,36" (9,15 mm) and 0,475" (12,5 mm)

230 1 10 6139



Tool set F-compression plugs

For manufacturing water-proof and therefore weatherproof Coax-connections, specially for cable- and satellite television. For connections with high mechanical load and excellent copper braid.

Set consisting of:

- Crimping Plier – Article No. 106152
RG 59- and RG 6-Coaxial-Cable, for F-, BNC- and RCA-Plugs, also for right angle plugs and Keystones
- Coax-Cable Stripper – Article No. 120098
For coax-cables (RG 58, RG 59, RG 62, RG 6, RG 9 and other), with 3 interchangeable blades, adjustable depth- and distance-cut
- 20 Pieces F-Compression Plugs
Double protection against humidity because of external sleeve and an internal O-Ring, excellent copper braid and mechanical solidity of the cable connection. Gold-plated.

Tool Set F-Compression Plugs	1	10 6154
Crimping Plier for Compression Plugs	1	10 6152
Coax Cable Stripper	1	12 0098
F-Compression Plugs (Price Unit per 100 pcs.)	10	18 2980



NEW

1 Pressing pliers assortment DATA TECHNOLOGY/TELECOMMUNICATIONS

Crimping tool with 7 interchangeable pressing profile inserts for nearly all cables based on copper or glass fibres, neat in handy, shockproof plastic case.

Content: crimping tool body with ratchet automatic and adjustable locking device

Each time one pressing profile insert for: unshielded modular connectors (modular jacks) 8-pole RJ 45 (8P8C), shielded modular connectors 8-pole RJ 45 CAT.5 (8P8C), style HIROSE shielded modular connectors 8-pole RJ 45 CAT.5 (8P8C), style STEWART STAMPING unshielded modular connectors (modular jacks) 6-pole RJ 11 (6P4C), RJ 12 (6P6C) BNC/TNC-coaxial connectors RG 58, RG 59, RG 62

OWG-connectors with round crimping, i.e. for SC-/AMP-SMA-/FC/PC-connectors

OWG-connectors with hexagonal crimping, i.e. for 3M-ST-/AT&T-ST-/Amphenol-SMA-connectors

Screw driver with 1000V-protective insulation for crosshead screws Phillips size PH 2

1

10 6210



2 click'n'crimp DATA NETWORK TECHNOLOGY

See also page 174.

Pressing pliers with interchangeable pressing profile inserts, which are fixed in the body of pliers by a catching holder; thereby change of profile in a matter of seconds without aid of additional tools. Body of pliers made of 3 mm thick, special quenched and subsequently drawn, hardened steel sheet, with toggle joint for minimized expenditure of manual energy, adjustable ratchet mechanism with automatic unlocking for pressing power according to standards, ergonomic 2-component-handle jackets, completely equipped with hardened precise pressing profile inserts. With pressing profile inserts (No. 10 6015) (for BNC-/TNC-coaxial connectors), (No. 10 6017) for unshielded 8-pole modular connectors and (No. 10 6019) (for shielded 8-pole modular connectors, style CIMCO and similar)

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10 6009

3 Stripping tongs "LWL"

Precision wire stripper with 3 stripping positions for primary coating, secondary coating and outer coating of optical waveguide cables, preset cutting depth, yet stepless adjustable, locking mechanism, ergonomic 2-components-handles

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12 1104



4 Cable shears for optical waveguides

Especially for kevlar and aramid fibres

With ceramic blades

145

1

12 0250

Blades made of high-alloy, stainless high-grade steel, hardness HRC 60 to 62, blade hardness HK 1200, one blade micro serrated, adjustable screw joint, ergonomic plastic handles, practical for left- and right-handers, cutting length 42 mm

160

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12 0252

5 Micro-stripper "LWL"

High precision stripping tool for OWG-primary coating, for 0,18 mm (180 μ m) Ø

1

10 0698

6 Gas soldering set

10-part, for lighter-butane gas. For demanding soldering jobs without obstructive cables in any place, where a power supply is not possible, i.e. in installation-, service- and repair-applications. Thanks to diverse interchangeable attachments also practical for heat shrinkage operations, micro welding and for cutting of plastic films, sheets and plates. With electronic firing, power stepless adjustable, temperatures with open flame up to 1.300 °C, soldering to 500 °C, heat shrinking to 500 °C, burning period about 60 min. In handy storage and transport case made of shockproof plastic with window. Set composed of each time 1 piece – Gas soldering iron with sealing cap, locking device soldering bit spiky like pencil, soldering bit 3 mm one-sided angular (ellipse-shape), soldering bit 3,5 mm (double-sided angular (chisel shape))

soldering-hatchet 12,5 mm width of blade for cutting and forming of plastic and rigid cellular material

Hot air reflector for heat shrinking, flame nozzle 3,5 mm Ø for micro welding,

Wrenches 7 mm and 8 mm for bit-assembly

Cleaning sponge in sponge box 40 x 40 mm, detailed instruction manual

10-part gas-soldering iron-set

275 x 160 x 45

1

15 0800

Gas-soldering iron single device

235 x 27

1

15 0810



Cable-detective

Testing instrument for network-copper cables for detection of connection-mistakes in ready-made data-cables and complete installations. All coax-connections with BNC/TNC-plugs, USB-cables as well as all UTP/STP-cablings with 6- or 8-pole modular-plug-connections can be checked for power interruption, PIN-configuration and short circuits in a matter of seconds, both for the single conductor and for the shielding. With optical (LED) display and acoustic signalling of errors. The time-consuming, nerve-racking and expensive search for cable errors is reduced to a minimum with the "Cable detective". Allowing long periods of testing on cables up to 200m in length by one person.

In functional belt-bag, extensive instruction manual. For 9-Volt-E-compound-battery.



145 x 86 x 26

1

11 1440

Digital multimeter

Compact multimeter with wide measuring ranges and high precision: direct, automatic or manual measuring of direct and alternating current each time up to 400 mV / 4 V / 40 V / 400 V / 600 V, 400 µA / 40 mA / 400 mA / 4 A / 10 A, frequency measuring up to 5,12 Hz / 51,2 Hz / 5,12 kHz / 51,2 kHz / 512 kHz / 5,12 MHz / 10 MHz, resistance measuring up to 400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ, relative function for difference measuring, diode-, capacitance- and transmission-test, reading via large LC-Display (max. 3999), data-hold-button for easier reading, transmission test with acoustic signalization, charge control display, automatic switch off about 30 minutes after last operation (energy saving function), overload protection 3700 V AC for 1 minute, weight only 260 g incl. batteries, extent of delivery incl. 2 batteries R6P (1,5 Volt), each time 1 fuse 0,5 A / 250 V and 10 A / 250 V, 1 set measuring cables as well as rubber protection-holster.



155 x 75 x 33

1

11 1404

Unshielded modular connectors (at least Cat.3)

Practical for flat and round cables

For flexible conductors

Indication	Quantity of positions	Quantity of contacts		
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 massive conductors

Indication	Quantity of positions	Quantity of contacts		
RJ 45	8	8	50	18 3010



Shielded modular connectors (at least Cat. 5e)

Practical for round cables, including 1 threading comb per connector for problem-free inserting of conductors in accurate crimping position, to be pressed with CIMCO-pressing pliers No. 10 6201,

For flexible and large conductors

Indication	Quantity of positions	Quantity of contacts		
RJ 45	8	8	50	18 3012



Antikinc-bushes for modular connectors

Hinged and to be reopened for anytime, also subsequently assembling on and removing from connector, for shielded and unshielded modular connectors 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



Tool set F-compression plugs

For manufacturing water-proof and therefore weatherproof Coax-connections, specially for cable- and satellite television. For connections with high mechanical load and excellent copper braid.

F-Compression Plugs (Price Unit per 100 pcs.)

10

18 2980



ESD-service-kit

Practical working mat for mobile operation areas made of wear-resistant, dissipative vinyl material. Equipped with 2 bags and edges hemmed. Delivery inclusive grounding cable 3 m with alligator clip, wrist band and bag with snap fastener. Typical derivation resistance RG = 10⁷ to 10⁹ Ohm

600 x 650

1

15 0370



1 Printed circuit boards hardware set, 3-part

With 6 different soldering assistance tools made of special steel, on which the solder will not adhere.

With fork, stainless steel brush, hook, mandrel, knife and scraper

175

1

15 0350



2 Velcro tape belt with plastic eyelet

Made of woven polyamide, two-coloured (red/black) for simple application, no velcro fastening at the end of belt for easy opening, to be opened up to 10.000 times, tensile strength 260 N/cm, thickness about 2 mm.

(minimum tensile strength requires at least 50 mm overlap)

Width mm	Length mm	Tensile strength N		
25	240	280	10	18 1900
25	300	280	10	18 1902
25	360	280	10	18 1904



3 Velcro tape

Made of black, extruded polyamide-velour-laminate, thickness about 1,4 mm, self-adhesive back to back, useable about 200 times. Except of standard colour black is available white, red, blue, green, yellow.

Please ask for minimum order quantity, time of delivery approximately 8 weeks.

Velcro fastening cable tie with latchet, cut to size for standard applications of electric installation

13	200	300	25	18 1910
20	200	380	25	18 1912
25	300	460	25	18 1914

Rolls of velcro tapes, role 25 m length for individual cut to size on desired length

13	25 m	300	1 role	18 1920
16	25 m	340	1 role	18 1922
20	25 m	380	1 role	18 1924
25	25 m	460	1 role	18 1926
30	25 m	550	1 role	18 1928



16 Compressed air-spray

Blows dust and loose impurities away without residues, on electronic devices, magnetic heads, cameras and so on

400 ml

12

15 1092



21 Refrigerating spray

For diagnostics and fast functional tests of electric components, thermostats, ignition and control automatons, cools locally to -45 °C, material-neutral, easy inflammable

400 ml

12

15 1090

23 Multi-foam/monitor cleaner

The powerful universal cleaner, completely biodegradable. Cleans residue-free all metals, glass- and plastic parts, removes insects, smudges, dirt films, refreshes matt and weather beaten plastics, averts adhesion and freezing on of door rubber profiles and so on

400 ml

12

15 1152

INSULATED SAFETY-TOOLS – PERSONNEL PROTECTIVE EQUIPMENT

Insulation

The double dip coated insulation (inside: orange, outside: red) guarantees optimal safety. As soon as the outer red coating is damaged, the now visible colour orange with its signal effect calls attention to the no longer 100% safety according to the safety instructions.



Check

All tools are routine check tested according to IEC 60900:2004 in water bath with 10,000 Volt testing voltage

Non-Slip protection

Protection against hands slipping towards live parts.

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1000 V safety tool assortments



1000 V

**Masters case
KLASSIK
“electrical safety”**



17 5370



17 0370



17 0372

Order No. equipped

with tool case

17 0370

Masters case
KLASSIK RED

Order-No. **17 0070**
Description see catalogue p. 8

Flat round nose pliers with unbowed jaws	200 mm	•
Round nose pliers with bended jaws	200 mm	•
Round nose pliers	160 mm	•
Universal pliers	185 mm	•
Heavy duty diagonal cutter	200 mm	•
Wire stripper 0,5 to 6 mm ²	160 mm	•
Electricians screwdriver for plain slot screws (Dimensions of blade)	2,5 x 0,4 x 75 mm 4,0 x 0,8 x 100 mm 6,5 x 1,2 x 150 mm 8,0 x 1,2 x 175 mm	• • • •
Electricians screwdriver for cross slot screws (Dimensions of blade)	PH 1 x 80 mm PH 2 x 100 mm PZ 1 x 80 mm PZ 2 x 100 mm	• • • •
Insulated screw-holding screwdriver for plain slot screws (Dimensions of blade)	3,0 x 0,5 x 100 mm 4,0 x 0,8 x 125 mm	• •
Insulated screw-holding screwdriver for cross slot screws (Dimensions of blade)	PH 1 x 150 mm PH 2 x 175 mm	• •
Hexagon offset screwdriver (Wrench size across flats)	5 mm 6 mm	• •
Hexagon socket wrench, 1000 V-insulated (Wrench size across flats)	5,5 mm 7 mm 8 mm 10 mm	• • • •
Single-ended open jaw wrench, 1000 V - insulated (Size of the jaw)	10 mm 13 mm 17 mm 19 mm 22 mm	• • • • •
Flat nose pliers made of compact plastic	200 mm	•
VDE-ratchet handle (reversible), 1/2"-square drive	250 mm long	
VDE-T-socket wrench, 1/2"-square drive	200 mm long	
Hexagon insert socket driver, 1000 V-insulated (Wrench size across flats)	10 mm 11 mm 13 mm 14 mm 17 mm 19 mm	• • • • • •
Plastic-clamp for holding rubber cloths	160 mm	
Rubber covering cloth, insulating up to 1000 V	1000 x 1000 x 1,6 mm	
Slip-on snouts 1000 V, up to 10 mm ø	Numbered "Nr. 1" Numbered "Nr. 2" Numbered "Nr. 3"	5 pieces 5 pieces 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 750 V AC/DC	•
Wire snip, up to 12 mm cables, 1000 V VDE	160 mm	•
Automatic cable knife JOKARI, fully insulated	8 bis 28 mm ø	•
Safety cable knife, 1000 V-insulated	with unbowed, solid blade	•
Quantity of tools		47

cimco®



17 0340



170378



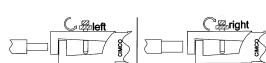
17 0360

Diamant - Safety Pliers with 1.000 Volt-Safety Insulation PLUS

Optimized leverage, smooth running and ergonomic handling, made of high alloyed tool steel, totally hardened in oil, all cutting edges additionally hardened, surfaces polished and chrome-plated

Description of the symbols

	Arbeiten unter Spannung		Schneidenhärte in HRC		mit Schneidfase		ingelegtes Gelenk		Flachzange		Drahtart weich		Drahtart Piano
	VDE/GS geprüft		Greifflächen gezahnt		mit leichter Schneidfase		aufgelegtes Gelenk		Flachrundzange		Drahtart mittelhart		Drahtart Seil
			Greifflächen schräg gezahnt		durchgestecktes Gelenk		Rundzange		Drahtart hart		Drahtart Cu-Kabel		



- Adjust the adjusting screw by turning right or left to the cross section of the conductor
- Safe the adjusting screw with a screw nut
- Put the cable in
- Press the plier and pull off the insulation

Limited 10 years-warranty

On each Diamant-Plus plier. This warranty covers any defect in material or workmanship. We will replace the defective pliers free of charge. Please ask for the exact terms of warranty at your local Cimco dealer or directly at Cimco.



1.000 Volt safety-insulation according to VDE

The pliers of the range Diamant-Plus are according to the actual rules of IEC 900, IEC 60900:2004 and VDE 0682/Part 201 (besides Engineers Pliers). These strict safety rules stipulate 10 different quality checks for the insulation. The VDE is checking regularly the manufacturing and stock. Each plier is checked with a testing voltage of 10.000 Volt AC on disruption breakdown and flashover in the water bath. This means security for every piece.



Ergonomically shaped grips with a modern two-colour-design, made from top-quality thermoplastic plastics with outstanding properties. Non-adhesive, anti-slip surface, warm and soft hand feeling, excellent skin digestibility, insulation against high and low temperatures, electricity, shocks and vibrations. Resistant to sweat, salt water, lubricants and many other chemicals and UV-rays.

1000 V Heavy duty side-cutter

According to DIN ISO 5749 A, laid on joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel

145 (5,5") 6 10 0524



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



1000 V Side cutter

According to DIN ISO 5749 B, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel

130 (5") 6 10 0570



145 (5,5") 6 10 0572
160 (6") 6 10 0574
180 (7") 6 10 0577



1000 V Side cutter with wire stripper

Lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for hard, medium hard and soft wire, additionally with two stripping stations for solid and multiwire conductors 1,5 mm² and 2,5 mm²



1000 V



160 (6")

6

10 0652



NEW

Lead seal plier with side cutter

Lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel, with dies 8 mm dia.



160 (6")

6

10 0030

single dies

8 mm ø

1 pair

10 1732



NEW

1000 V Heavy duty top cutter

According to DIN ISO 5748, laid on joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel hardened (approx. 64 HRC), for all wires (also piano wire), made of Electro-steel

200 (8")

6

10 0402



NEW

1000 V Combination pliers

According to DIN ISO 5746, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire), made of special tool steel, with conical serrated inside jaws and serrated opening

160 (6")

10 0334

185 (7")

10 0336

200 (8")

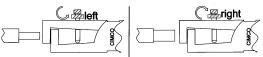
10 0338



NEW

1000 V Wire stripping plier

lap joint, with adjusting screw, for solid or multiwire conductors up to 5 mm ø resp. 0,75 mm² up to 6 mm², with inside opening spring



160 (6")

10 0686



NEW

1000 V Telephone pliers with straight jaws

According to DIN ISO 5745, lap joint, precision cutting edges, induction hardened (approx. 64 HRC), long, flat-round jaws, serrated inside jaws and serrated opening, with cutting edges for hard and soft wire



145 (5,5")

10 0212



160 (6")

10 0214

200 (8")

10 0216



NEW

1000 V Telephone pliers with round jaws

According to DIN 5745, lap joint, 45° angled jaws, long, flat-round jaws, precision cutting edges, induction hardened (approx. 64 HRC), serrated inside jaws and serrated opening, with cutting edges for hard and soft wire



160 (6")

10 0236

200 (8")

10 0238



NEW

1000 V Long flat nose pliers

According to DIN 5745, lap joint, long, flat jaws, length of jaws 50 mm, serrated inside jaws



160 (6")

10 0024



NEW

1000 V Long round nose pliers

According to DIN 5745, lap joint, long, round jaws, length of jaws 50 mm, serrated inside jaws



160 (6")

10 0062



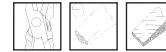
NEW

Engineers pliers

Without VDE-proofed 1000 V insulation,
with precision box-joint, length of jaws 75 mm,
serrated inside jaws with light diagonal serrated jaws



straight, flat-round jaws	190 (7,5")	6	10 0082
flat-round jaws, 45° angled	190 (7,5")	6	10 0086



straight, flat-wide jaws	190 (7,5")	6	10 0090
flat-wide jaws, 45° angled	190 (7,5")	6	10 0094

Water pump pliers

According to DIN ISO 8976, with box-joint,
self-clamping on the tool, with serrated opening, chrome-vanadium steel



without handles	250 (10")	10	10 1222
with handles	250 (10")	6	10 1224

1000 V Plier set, 4 pieces

Heavy Duty Side Cutter	200 (8")		10 0528
Telephone Plier with straight jaws	200 (8")		10 0216
Combination Plier	185 (7")		10 0336
Wire Stripping Plier	160 (6")		10 0686
		1	10 4020

Plier set, 3 pieces

Water Pump Plier	250 (10")		10 1224
Telephone Plier with 45° angled jaws	200 (8")		10 0238
Side Cutter	160 (6")		10 0574
		1	10 4022

Diamant PLUS

With double-coated insulation safety-grips for optimal security.

In case of damage of the external red insulation coating, the orange
insulation which is visible now, shows that a 100 % security according
to safety regulations is no longer guaranteed

1000 V Side cutter

According to DIN ISO 5749 B, lap joint, precision cutting edges, induction hardened (approx. 64 HRC),
for all wires (also for piano wire), made of Electro-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 wire stripper

Lap joint, precision cutting edges, induction
hardened (approx. 64 HRC), for hard, medium
hard and soft wire, additionally with two stripping stations for solid and multiwire conductors 1,5 mm² and 2,5 mm²

160 (6")	6	10 8792
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1000 V Heavy duty side cutter

According to DIN ISO 5749 A,
laid on joint, precision cutting edges
(approx. 64 HRC), for all wires (also for piano wire), made of Electro-steel

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

1000 V Heavy duty top cutter

According to DIN ISO 5748,
laid on joint, precision cutting edges,
induction hardened (approx. 64 HRC), for all wires (also for piano wire), made of Electro-steel



200 (8") 6 10 8795



1
NEW

1000 V Long flat nose pliers

According to DIN ISO 5745,
lap joint, long, flat jaws, length of jaws 50 mm, serrated inside jaws



160 (6") 6 10 8771



3
NEW

1000 V Long round nose pliers

According to DIN ISO 5745,
lap joint, long, round jaws, length of jaws 50 mm, serrated inside jaws



160 (6") 6 10 8773



5
NEW

1000 V Telephone pliers with straight jaws

According to DIN ISO 5745,
lap joint, precision cutting edges,
induction hardened (approx. 60 HRC),
long, flat-round jaws, serrated inside jaws and serrated opening, with cutting edges for hard and soft wire



160 (6") 6 10 8779

200 (8") 6 10 8778



7
NEW

1000 V Telephone pliers with round jaws

According to DIN 5745,
lap joint, 45° angled jaws, long, flat-round jaws,
precision cutting edges, induction hardened (approx. 60 HRC), serrated inside jaws and serrated opening,
with cutting edges for hard and soft wire



160 (6") 6 10 8777

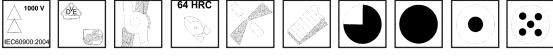
200 (8") 6 10 8780



10
NEW

1000 V Combination pliers

According to DIN ISO 5746,
lap joint, precision cutting edges, induction hardened (approx. 64 HRC), for all wires (also piano wire),
made of special tool steel, with conical serrated inside jaws and serrated opening



165 (6") 6 10 8781

185 (7") 6 10 8782

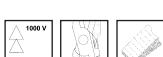
200 (8") 6 10 8783



12
NEW

1000 V Water pump plier

According to DIN ISO 8976, with box-joint,
self-clamping on the tool, with serrated opening, chrome-vanadium steel



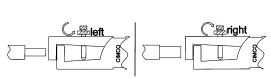
250 (10") 6 10 8724



14
NEW

1000 V Wire stripping plier

Lap joint, with adjusting screw,
for solid or multiwire conductors
up to 5 mm dia. resp. 0.75 mm² up to 6 mm², with inside opening spring



160 (6") 6 10 8790



16
NEW

1000 V Safety plier set

With double-coated insulation safety grips

Telephone Plier, straight	200 (8")	10 8778
Combination Plier	185 (7")	10 8782
Heavy Duty Side Cutter	200 (8")	10 8784
Wire Stripping Plier	160 (6")	10 8790



1 10 8002



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Dimension mm ↗ №

1000 V Flat nose pliers

Especially adapted for meter assemblage

200	1	10 0796
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Insulated tweezers

Unbowed, spiky version	130	1	10 3110
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Unbowed, bended version	150	1	10 3112
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Unbowed, flat-round version	145	1	10 3114
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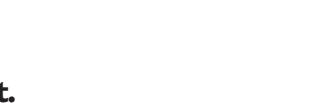
1000 V Insulated tweezers with 1000 V protection insulation

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

  unbowed, flat-round version	145	1	10 3232
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  unbowed, flat-spiky version	145	1	10 3240
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Insulated screwdrivers

According to IEC 60900:2004, classification VDE 0682, part 201.

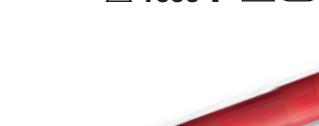
Individual tested in water bath with a testing voltage of 10.000 Volt.

Electricians screwdrivers

According to DIN 7437

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** 



Crosshead screwdrivers Phillips

According to DIN 7438

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



Crosshead screwdrivers Pozidriv

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



Special screwdrivers with combination-profile

for combined slotted/recessed head screws in electrical installations, i.e. terminal blocks

PZ 1	80	165	12	11 7751
PZ 2	100	195	12	11 7752
Set PZ1 and PZ2 (Nr. 11 7751 and 11 7752)			1	11 7750



Hexagon socket head wrench (Allen wrench)

According to DIN 7439

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



Dimension mm ↗ №

cimco®

	Dimension mm		Nº	
TORX®-screwdrivers				
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
Socket wrench				
According to DIN 7445				
SW 5,5	125	220	12	11 7805
SW 6	125	220	12	11 7806
SW 7	125	235	12	11 7807
SW 8	125	235	12	11 7808
SW 9	125	235	12	11 7809
SW 10	125	235	12	11 7810
SW 11	125	235	12	11 7811
SW 13	125	235	12	11 7813
Screwdriver-assortments				▲ 1000 V D'E GS
Electricians-screwdriver-assortment – 7-part				
VDE-electricians screwdrivers for slotted screws				
2,5 x 0,4 x 75				
3,0 x 0,5 x 100				
4,0 x 0,8 x 100				
5,5 x 1,0 x 125				
VDE-crosshead-screwdrivers				
PH 1 x 80				
PH 2 x 100				
VDE-voltage tester			1	11 7800
Electricians-screwdriver-assortment – 7-part				▲ 1000 V D'E GS
VDE-electricians screwdrivers for slotted screws				
2,5 x 0,4 x 75				
3,0 x 0,5 x 100				
4,0 x 0,8 x 100				
5,5 x 1,0 x 125				
VDE-crosshead-screwdrivers				
PZ 1 x 80				
PZ 2 x 100				
VDE-voltage tester			1	11 7802
Flat-blade-screwdriver assortment – 5-part				
VDE-electricians-screwdrivers for slotted screws				
2,5 x 0,4 x 75				
3,5 x 0,6 x 100				
4 x 0,8 x 100				
5,5 x 1,0 x 125				
6,5 x 1,2 x 150				
			1	11 7700
Crosshead-screwdriver assortment – 6-part				
VDE-crosshead screwdrivers				
PH 1 x 80				
PH 2 x 100				
PH 3 x 150				
PZ 1 x 80				
PZ 2 x 100				
PZ 3 x 150				
			1	11 7745

Dimension mm

Nº

cimco®

Hexagon socket head wrenches assortment – 5-part

VDE-hexagon socket head wrenches

SW 3 x 75
SW 4 x 75
SW 5 x 75
SW 6 x 100
SW 8 x 100



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11 7820

**TORX® -screwdrivers assortment – 5-part**

VDE-TORX-screwdrivers

T 8 x 60
T 10 x 60
T 15 x 75
T 20 x 100
T 25 x 100



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11 7900

**Socket wrench assortment – 5-part**

VDE-socket wrenches

SW 5,5 x 125
SW 7 x 125
SW 8 x 125
SW 10 x 125
SW 13 x 125



1

11 7801

**Electronics-safety-screwdrivers-assortment – 7-part**

According to IEC 60900:2004

Blade, insulation and handle are inseparably connected to each other,
routine check test in water bath with a testing voltage of 10.000 Volt.

For slotted screws

1,5 x 0,3 x 40	140
1,8 x 0,3 x 60	160
2,0 x 0,4 x 60	160
2,5 x 0,4 x 75	175
3,0 x 0,5 x 75	175

For recessed head screws Phillips

PH 00 x 40	140
PH 0 x 60	160



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11 2050

**Protection-insulated electronics and precision mechanics screwdrivers**

High-precise electronics screwdrivers for delicate screws and adjusting operations in precision mechanic and electronic fields, model making, etc., in modern 2-components-plastic-technology, bicoloured, plate-shaped turning head for precise fine-adjustment, insulating effective up to 1.000 V AC due to individual tested insulation according to DIN EN 60900:2005, blades made of high-alloy chromium molybdenum special steel with black gunmetal finish tops, GS- and VDE-tested, in solid plastic box with snap lock (195 x 155 x 28 mm), 6-part-assortment, consisting of (dimensions of blade in mm)

Flat blade screwdrivers

1,5 x 0,23 x 65	165
2,0 x 0,4 x 65	165
2,5 x 0,4 x 65	165

Crosshead screwdrivers

PH 00 x 65	165
PH 0 x 65	165
PH 1 x 65	165



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11 2040



Insulated screwing tools

Tested according to DIN EN 60900/VDE 0680 part 2, bicoloured double dip-coated

Offset screwdrivers

According to DIN 7439, made of chrome vanadium steel, for screws with hexagon socket

1000 V SW 5	1	11 0804
1000 V SW 6	1	11 0806

**T-handle screwdrivers**

Made of chrome vanadium steel, screws with hexagon socket

1000 V SW 5	160	1	11 0812
1000 V SW 6	160	1	11 0814
1000 V SW 8	160	1	11 0816
1000 V SW 10	160	1	11 0817

**T-socket wrench**

According to DIN 7440, made of vanadium-molybdenum-steel, for hexagon nuts,

Shaft 200 mm, handle 160 mm

1000 V SW 13	160	1	11 0836
1000 V SW 17	160	1	11 0840
1000 V SW 19	160	1	11 0842

Shaft 300 mm, handle 160 mm

1000 V SW 13	300	1	11 0856
1000 V SW 17	300	1	11 0860
1000 V SW 19	300	1	11 0862

Socket wrench inserts

According to DIN 7448, with 3/8"-square socket-drive

1000 V SW 8	28	1	11 2520
1000 V SW 10	28	1	11 2522
1000 V SW 11	28	1	11 2523
1000 V SW 13	28	1	11 2525
1000 V SW 14	28	1	11 2526
1000 V SW 15	28	1	11 2527
1000 V SW 16	28	1	11 2528
1000 V SW 17	28	1	11 2529
1000 V SW 18	28	1	11 2530
1000 V SW 19	28	1	11 2531
1000 V SW 22	28	1	11 2534

**Screwing inserts**

For screws with hexagon socket

1000 V SW 4	65	1	11 2560
1000 V SW 5	65	1	11 2561
1000 V SW 6	65	1	11 2562
1000 V SW 8	65	1	11 2563
1000 V SW 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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Insulated screwing tools

With safety device against unintended detaching of slip-on-tools



Socket wrench inserts

According to DIN 7448, with 1/2"-square socket

	△ 1000 V	SW 10	50	1	11 2600
	△ 1000 V	SW 11	50	1	11 2602
	△ 1000 V	SW 12	50	1	11 2604
	△ 1000 V	SW 13	50	1	11 2606
	△ 1000 V	SW 14	50	1	11 2608
	△ 1000 V	SW 15	50	1	11 2609
	△ 1000 V	SW 16	50	1	11 2611
	△ 1000 V	SW 17	50	1	11 2610
	△ 1000 V	SW 18	50	1	11 2613
	△ 1000 V	SW 19	50	1	11 2612
	△ 1000 V	SW 20	50	1	11 2615
	△ 1000 V	SW 21	50	1	11 2617
	△ 1000 V	SW 22	50	1	11 2614
	△ 1000 V	SW 24	50	1	11 2616
	△ 1000 V	SW 27	50	1	11 2618
	△ 1000 V	SW 32	50	1	11 2622



Screwing inserts



For screws with hexagon socket

	△ 1000 V	SW 4	70	1	11 2670
	△ 1000 V	SW 5	70	1	11 2671
	△ 1000 V	SW 6	70	1	11 2672
	△ 1000 V	SW 8	70	1	11 2673
	△ 1000 V	SW 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 wrench



Fully insulated according to DIN EN 60900, VDE 0680/2, with integrated reversible ratchet, adjustable from 5 – 50 Nm with 3/8" square socket

	△ 1000 V	5 - 50 Nm	370	1	11 2581
with 1/2" square socket					
	△ 1000 V	5 - 50 Nm	370	1	11 2582



Single-ended open jaw wrench

According to DIN 7446, made of chrome vanadium steel, 15° cranked

	1000 V	SW 8	105	1	11 2704
	1000 V	SW 9	105	1	11 2706
	1000 V	SW 10	105	1	11 2708
	1000 V	SW 11	115	1	11 2710
	1000 V	SW 12	125	1	11 2712
	1000 V	SW 13	132	1	11 2714
	1000 V	SW 14	140	1	11 2716
	1000 V	SW 15	150	1	11 2718
	1000 V	SW 16	160	1	11 2719
	1000 V	SW 17	160	1	11 2720
	1000 V	SW 18	165	1	11 2721
	1000 V	SW 19	170	1	11 2722
	1000 V	SW 22	195	1	11 2724
	1000 V	SW 24	220	1	11 2726
	1000 V	SW 27	230	1	11 2728
	1000 V	SW 30	240	1	11 2730
	1000 V	SW 32	240	1	11 2732



Ring wrench

According to DIN 7447, made of chrome vanadium steel, deep-offset

	1000 V	SW 8	155	1	11 2754
	1000 V	SW 10	165	1	11 2758
	1000 V	SW 11	175	1	11 2760
	1000 V	SW 12	185	1	11 2762
	1000 V	SW 13	190	1	11 2764
	1000 V	SW 14	200	1	11 2766
	1000 V	SW 15	210	1	11 2768
	1000 V	SW 16	210	1	11 2769
	1000 V	SW 17	210	1	11 2770
	1000 V	SW 18	220	1	11 2771
	1000 V	SW 19	230	1	11 2772
	1000 V	SW 22	250	1	11 2774
	1000 V	SW 24	270	1	11 2776
	1000 V	SW 27	300	1	11 2778
	1000 V	SW 30	300	1	11 2780



1000 V Ratchet Ring Spanner

According to DIN 3110 / ISO 3318 (torque) made of chrome vanadium steel.

Fine-toothed ratchet mechanism (72 teeth) and a pivot of 5 ° (angle side).

Clockwise and counter-clockwise movement by simple turning over of the spanner.

Spanner widths

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



NEW

1000 V Safety-cable knife

Cable knife especially for handling of insulations of large cables, with straight, powerful blade made of stainless steel, blade length about 50 mm, 1000 V-protective insulated handle with large slip-off-protection and in modern 2-components-technology (polypropylene with soft rubber-insertion) for comfortable and save working also when wet, cold or hot. With blade protection cap.

1 12 1042



1000 V Cable knife

With straight, powerful blade

Blade length 50 mm 1 12 0042



1000 V Cable knife

With straight blade and insulated blade back

Blade length 50 mm 1 12 0043

cimco®

	Dimension mm		Nº
1	 1000 V Cable stripping knife With hook-shaped edge Blade length 35 mm	1	12 0044
2	 1000 V Cable paper knife With extra sharp blade Blade length 50 mm	1	12 0045
3	 1000 V Cable knife With hook-shaped blade and welded plate Blade length 40 mm	1	12 0046
4	 1000 V Safety cable knife With insulated blade back and foldable, in shaft immersible, blade protection With interchangeable blade Blade length 50 mm Interchangeable spare blade Blade length 50 mm	1	12 0064
5			
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9			
10	Automatic stripping tongs SAFETY STRIP For flexible cords and large conductors from 0,2 to 6 mm ² , protection insulated up to 1000 Volt, tested according to DIN EN 60 900:2004, automatic adjustment to diameter of conductor, integrated length stop and closer for transport and storage	1	10 0762
11			
12			
13	 1000 V Single hand-wire snip With double dip-coated special handle jackets, high-gloss polished chromium-plated For cables Massive mm ² Flexibile mm ² 16 mm 16 50 160 6 12 0206 25 mm 25 70 200 6 12 0202		
14			
15	Wire snip with 1000 V protection-insulation For cables ø Profile mm ² 26 mm 120 600 1 12 0158		
16			
17	1000 V Saw frame Fully insulated Span 150 mm	1	12 0700
18			
19	1000 V Handsaw Completely insulated handsaw with new quick spanning at the grip for single side saw-blades DIN 6494 Form A. With improved non-skidding grip by anti slip plastic and reduced weight. Spread 300 mm Weight 785 g	1	12 0702
20			
21	 Wrench for set screws for fuses and contact screws Combined, by replugging applicable for set screws for fuses 2 – 63 A, haft made of insulation material	105	10 14 0102
22			
23	 1000 V Cover cloths Fat- and acid-proof, for covering current-carrying parts, according to VDE 0680/1 L x W x H mm 600 x 600 x 1,6 1 14 0154 1000 x 1000 x 1,6 1 14 0156 1200 x 1200 x 1,6 1 14 0158 Roll 10 m x 1 m x 1,6 mm 1 14 0157		
24			
25			
26			
	Dimension mm		Nº
			


1000 V Clamp made of plastic

For fastening rubber cloths

Length mm

	80	1	14 0179
	160	1	14 0180



1000 V Flip-on snouts

Conical, for protection of bare, current-carrying parts, numbered: No. 1 – 2 – 3

Retainer ø max.

Nr. 1	10 mm	80	1	14 0166
Nr. 2	10 mm	80	1	14 0168
Nr. 3	10 mm	80	1	14 0170



1000 V Flip-on snouts

Self-locking, with collar, not numbered

Retainer ø

10 mm	75	1	14 0172
20 mm	100	1	14 0174
30 mm	120	1	14 0176



1000 V Insulators protection cap

Made of flexible PVC, length of wing 80 mm

L x H mm

With one wing	220 x 160	1	14 0184
With two wings	300 x 160	1	14 0185


Spreading wedge

Made of plastic

Without groove	163 x 16 x 35	1	14 0198
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1000 V Cleaning brush

solid plastic-style

L x W mm

420 x 25	1	14 0260
420 x 38	1	14 0261


Insulating safety devices and protective clothes
Electricians and industry-safety helmets

According to DIN EN 397, made of polyethylene, electric insulation up to 440 V AC, with visor, with lowered neck-section, drip moulding and sideward slots for fastening of ear protection and face screen, stepless adjustable 4-point-inside belt strap-configuration for head sizes 53 – 61 cm, 350 g

Colour:

Yellow	1	14 0200
Blue	1	14 0201
White	1	14 0202
Red	1	14 0203




1000 V Face-protection shield

According to DIN EN 166 for the combination with electricians safety helmet, complete protection over the whole face area including ears against flame arcs, colourless-transparent, hinged protection pane

Clear as glass	1	14 0204
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1000 V Electricians face protection cap

According to DIN EN 166, application as electric arc-face protection at temporary switching operations as well as other live workings (i.e. on service cabinet, house connection box, at meter change, pulling and applying low-voltage power fuses, construction of a T-joint and the like), not to be employed at live working on not insulated overhead lines and on facilities, on which direct shock hazard of active parts exists, type- and CE-tested

1	14 0206
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Safety goggles

Basal version with folding lateral baskets and hooded ventilation, colourless-transparent, break-proof plastic panes

10 14 0205



2

Full-view safety goggles

With non fogging, clear-transparent safety pane, very good dust cover and wearing comfort by small weight, wide textile rubber strap, indirect ventilation and flat design

3

Electrician safety goggles

According to DIN EN 166, compact basket glasses in traditional design, soft, flexible, indirectly ventilated PVC-frame for high wearing comfort, exchangeable, scratchproof polycarbonate-pane with anti-damp, field of view 130°, weight only 76 g, fits with the most pairs of glasses, protection against electric arcs according to DIN 4646/4647

1 14 0270



4

Panorama-safety goggles

According to DIN EN 166, with 140°-field of view, styling in other respects as safety goggles Nr. 14 0270

1 14 0272



5

Ear defenders

Flat ear shells with skin-friendly sealing pads, comfortable for every head-size by telescopic-height adjustment, highest comfort also for long wearing-periods

Fully insulated plastic model, especially for electricians

Medium sound insulation

1 14 0274



6

Comfort-model with adjustable padded headband

Good sound insulation

1 14 0278



7

Ear protection plugs

Washable foam rubber-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



8

Fine dust mask

Against solid particles of inert substances, according to DIN EN 149, protection class FFP1 (particle filter class P1 DIN 58645). CE-certified, lightweight, skin-friendly style with small breathing resistance, adjustable rubber strap, single packaged.

20 14 0282



9

5-finger-working gloves**STANDARD**

Made of pigskin leather, smoothed, back of hand made of cotton, standard size 10/11

1 Pair 14 0230



10

PROFI

Made of pigskin leather, back of hand made of cotton, padded, standard size 10/11

1 Pair 14 0232



11

NITRIL

Protection gloves with flexible double nitrile-coating according to EN Cat.II, with inside tricot and knitting bond made of cotton, good dry- and wet-grip, fluid- and oil-proof, very wear-resistant, washable in washing machines, anatomic fit

1 Pair 14 0234



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Electrics-safety gloves

According to DIN EN 60903, with certificate for working in voltage ranges up to 1000 V, made of natural latex, anatomic shaping, best flexibility, length 410 mm

Size	Operating voltage	Testing voltage	Length	Material thickness	Pair	
9	500 V	2 500 V	360	0,5	1	14 0237
10	500 V	2 500 V	360	0,5	1	14 0238
11	500 V	2 500 V	360	0,5	1	14 0239
9	1000 V	5 000 V	410	1,0	1	14 0215
10	1000 V	5 000 V	410	1,0	1	14 0214
11	1000 V	5 000 V	410	1,0	1	14 0240
9	7500 V	10 000 V	410	1,5	1	14 0245
10	7500 V	10 000 V	410	1,5	1	14 0244
11	7500 V	10 000 V	410	1,5	1	14 0243
9	17 000 V	20 000 V	410	2,3	1	14 0247
10	17 000 V	20 000 V	410	2,3	1	14 0246
11	17 000 V	20 000 V	410	2,3	1	14 0242
11	26 500 V	30 000 V	410	2,9	1	14 0241



Tricot-underneath gloves

for absorption of skin moisture and better ventilation while wearing electric-safety gloves, made of 100 % cotton, unbleached and not coloured, elastic, especially for consideration of sensitive skin

Standard size	12	14 0216
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1000 V Low voltage power-fuse safety-handle

VDE 0680/4, slide protection, protection cuff made of smooth, impregnated leather. For low voltage power-fuses size 00-3

1	14 0210
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Electrician boots

High-quality safety-boots made of PVC-nitrile-composite, tested according to EN 345.SB.EN 50321.1999 Class 0

Shoe size	Pair	
42	1	14 0219
43	1	14 0220
44	1	14 0221
46	1	14 0222



Insulating overshoes (“galoshes”)

The comfortable alternative to rubber boot. For electrotechnical live working in interiors on firm ground (i.e. live meter-exchange, meter-disconnections working on interior-cable distribution cabinets). The galoshes act as a substitute for a local insulation up to 1000 V AC / 1500 V DC. Can be used with caution wet conditions, on ladders and when working in exteriors, esp. in cable trench, providing no accidental earth with other parts of the body (i.e. such as kneeing). Comfortable and fast fixing on normal footwear by 2 velcro fasteners in forefoot-area as well as with one plug-type locking in heel-zone, type-tested following DIN 50 321.

For sole length	Approx. shoe size	Inner length		
280 bis 300 mm	40 bis 43	300 mm	1 Pair	14 0227
300 bis 320 mm	43 bis 46	320 mm	1 Pair	14 0228



1000 V Insulation-stand mat

Protection mats for electrical switch rooms, specific volume resistance about 1014 Ω/cm, dielectrical strength 16,4 kV/mm (tested according to DIN VDE 0303 part 21), therefore the stand mat with 4 mm thickness has a dielectrical strength of 50 kV (testing voltage 5 kV/min according to DIN VDE 0680 part 1), made of grey NR/NBR-polymer-plastic (hardness about 55° shore A), tear growth resistance > 50 N/mm, elongation at tear > 500 %, elevated, cloth-patterned tread for increased step-safety, anti-skidding according to VDE 0680, abrasion < 300 mm², thermal stability from - 30°C to +70°C

1000 x 1000 x 4 mm	1	140224
10 m x 1 m x 4 mm	1	140225



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Dimension mm

Nº

The assortment for your personal safety – 4-part

In practical and hard-wearing shoulder bag	17 0110
Electricians-safety helmet	14 0200
Electricians-face protection shield	14 0204
Low voltage power fuse-safety handle	14 0210
Electricians finger gloves	14 0214
	1 14 0255



The assortment for your personal safety – 5-part

In practical and hard-wearing shoulder bag	17 0112
Electricians-safety helmet	14 0200
Electricians-face protection shield	14 0204
Low voltage power fuse-safety handle	14 0210
Electricians finger gloves	14 0214
Insulation stand mat	14 0224
	1 14 0250



Safety harnesses type A

For operations in areas with falling hazard, i.e. on towers, poles, building overhangs. Safety harnesses with one rear catching eye (acc. to DIN EN 361) and two lateral holding eyes (acc. to DIN EN 358), weight only 1,4 kg.

Fitting for all body sizes	1	14 0455
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Safety harnesses type B

As type A, but with breast loop as front catching point for better working and two lateral holding eyes as well as a comfortable 100 mm wide padded back support, weight 1,5 kg

Fitting for all body sizes	1	14 0456
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Following-on catching device on moving guide MAGIC

According to EN 353-2

The small and light catching device is following automatically the climb up and down direction. Available in different rope lengths of 12 mm coated core rope.

10 m	1	14 0475
15 m	1	14 0476



Stay rope ERGOGRIp

According to EN 358

Stay rope for workplace positioning with ergonomic formed handling device, length 1,5 m and single-hand spring hook, core rope thickness 12 mm. The rope is fixed to the belt in the holding eyelets.

	1	14 0490
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Electricians safety-set STANDARD

This set is mainly used for repair work, e.g. working on roofs.

The catching ears in front and at the sides are according to the BG-regulations for working in areas where a danger of falling. The stable steel plate case contains:

Harness (EN 361/358)

Webbing sling 30 KN – 1 metre

Following catching device ERGOGRIp 16 mm

	1	14 0495
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Dimension mm

Nº

cimco®

Electricians safety-set ROPE BAG

This set is mainly used on the building field and in the industry. The catching ears are according the BG-regulations for working in areas where is a danger of falling.

The Rope Bag contains:

Harness (EN 361)

Webbing sling 22 KN – 2 metre

Following catching device MAGIC 15 mm

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14 0496



NEW

NEW

FALL ARRESTER SHOCKYARD

According to EN 355, 354

Deaden the fall and arresting in one, extremely short distance of fall: only 95 cm (fall factor 2: 4 m – 100 kg weight), comfortable (very light) and flexible total length, temperature resistant up to 80° C, non-abrasive protection casing. Continuous brake owing to stretching fibres.

1

14 0500



NEW

Safety belt

The safety belt is equipped with a two-thorn buckle and two lateral holding eyelets with spliced-on and length-adjustable stay rope. The belt may only be used, where falling hazard is excluded.

Belt length mm	Girth cm			
1400	90 - 100	1	14 0502	
1500	100 - 110	1	14 0504	
1600	110 - 120	1	14 0506	



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Pole climbers

According to DIN 48345, post model, with 2 spikes, angled base plate and wide leather-backside-cap

Spike width 260 mm for wooden poles 150 – 240 mm

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14 0550



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Warning vest

As an accident vest for automobile drivers and for the use at road works, in bright-orange (RAL 2005) made off cotton-union fabric (80% polyester, 20% cotton), with two all around horizontally, 50 mm wide reflector stripes, for best recognisability, standard size, universal size-adjustment by velcro fastener, according to EN 471

1

14 2012



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Warning triangle EURO

Official tested and authorized according to EU-regulation ECE-27R03 in all European countries, optimal warning effect also at night, 4-point-positioning, folding, in plastic quiver (445 x 160 x 40 mm), weight completely only 1700 g

Opened 440 x 450 mm

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14 2014



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First-aid-case for businesses

According to DIN 13 157, in modern design with attractive colouring, splash proof, dust-tight and maintenance-free, to be used on the wall or removable from holder for mobile aid on-scene, high clearness thanks to transparent ABS-encasement and variable inner division, single-hand opening and defined opening angle, with additional from outside accessible plaster dispenser, incl. thermometer, "first-aid-guide", pencil, Theft-protection, with wall-holder, dowels and screws

350 x 370 x 120 mm

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14 2006

Refill pack for first-aid-case according to DIN 13 157

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14 2007



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Automobile-first-aid-box

According to DIN 13 164, only approved for vehicles, not for businesses, in stable metal case

225 x 165 x 70 mm

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14 2008

Refill pack for automobile-first-aid-box according to DIN 13 164

1

14 2009



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Professional flashlights UNDERWATER KINETICS

Very reliable and robust high performance-flashlights, with extremely bright XENON-lamps in pre-focussed quality-reflector for optimal luminous efficiency, with rotary switch, with Ex-marking, tested according to the newest EU-policy ATEX 100a Eex and approved for use in potentially explosive areas of the zones 1 and 2, lightweight and handy ABS-encasement, 100% dust-tight and waterproof, corrosion resistant, electrically not conductive. Batteries are not included in extent of delivery. Further specifications:

Order number	Length x Diameter	Weight incl. Batteries	Time alight	Power	Working radius
11 1510	120 mm x 17 mm	38 g	2 bis 3 h	1 Watt	up to 50 m
11 1514	157 mm x 40 mm	148 g	4 bis 5 h	2 Watt	up to 120 m
11 1518	218 mm x 50 mm	360 g	4 bis 6 h	3 Watt	up to 140 m
MINI-inspection light			1	11 1510	
Flexible light-guiding attachment for exact working			1	11 1512	



MIDI-flash- and helmet light	1	11 1514
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MAXI-working-inspection lamp	1	11 1518
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MINI-LED-light

With holding clip and magnet. Patented mini-flashlight for bright, point-like lighting, pivotable in all directions, with three fixing resp. standing possibilities optional:

Standing foot for horizontal plains;

- Magnetic foot for attachment to metal objects
- Spring clip for attachment to clothes, helmet, cap visor, sheets, tool bags, and so on

Long time alight thanks to LED-technology, delivery inclusive 3 pieces button cell batteries LR44.

1	11 1506
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LED-WORKING LANTERN

Ideal for the use in households, workshops, garages, construction sites, camping, boats....

This innovative LED-Working lantern replaces the conventional neon-lanterns owing to its numerous advantages. By 60 (staff lantern) plus 9 (torch) white LED the lantern impressed by highly gain of bright, regular and bundled light, simple use with only one push-button, totally freedom of movement owing to cordless operation by integrated accu (7,2 V NiMH), rechargeable by 230 Volt / 50 HZ – battery charger and 12-Volt –cigar lighter (charging time approx. 1,5 hours), low electricity consumption guarantees long lightning (approx. 5 up to 8 hours depending on the mode), shock-proof, oil-, weather- and dustproof box (IP54) made of Polycarbonat, with a non-slipping rubber handle, handy and light, length 410 mm, ø 41 mm, weight 470 g

LED-Working Lantern	1	11 1522
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SAFETY BOX

For protection of plug-in connections on power lines against dampness and wetness as well as against unintended disconnection. Ideally practical for the use at working with electrical appliances on outside areas (garden, camping, building site, boat and so on), for celebration and Christmas-illumination, advisable also as protection for infants. Simple handling: open encasement parts of SAFETY BOX, connect cable-plug and socket and insert concentric, fix plug-in connection, then switch on current. For lines to 9 mm diameter, IP 44 proof against water jets, weight 110 g

red	1	14 2016
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PLUMBING TOOLS

Jaws and bit

The jaws are ground and induction hardened. The self-locking toothing in 45°-“S-bit” guarantees save grabbing.



Material

Made of chrome vanadium steel and all-steel forged.

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Dimension mm

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No

Water pump pliers

According to DIN ISO 8976, with box-joint, self-clamping on the tool, with serrated opening, chrome-vanadium steel



Without handle jackets	250 mm (10")	10	10 1222
With handle jackets	250 mm (10")	6	10 1224



Water pump

According to DIN ISO 8976, made of chrome vanadium steel, with opening and sliding box point, for steady distribution of energy, with safety crimp-protection, lacquered

175	1	10 1236
245	10	10 1237
300	1	10 1238



Wasserpumpenzange FastGRIP

According to DIN / ISO 8976 with quick adjustment by pressing the button. Easy-going adjustment by 12 stops. Ergonomic shaped for highest power transmission, self-clamping on the tool, handling with small efforts, non-slipping. With box-joint and double support. Cogs induction hardened, with safety protection against jamming one's finger. Specially heat treated. Max. spanner size 37 mm, weight 392 g

240	1	10 1230
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WATER PUMP PLIER PowerGRIP

Parallel gripping plier with practical button-adjustment. For working on parallel and flat tools, such as nuts, screws, cable glands and thin metal plates. High transmission for easy working. Play-free joint with infinitely variable and easy running fine-adjustment (14 stops). With safety protection against jamming one's finger and specially heat treated. Max. spanner size 46 mm, weight 471 g.

253	1	10 1239
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Siphon pliers

For assembly and disassembly of siphons and water outlets on washing-basins, sink units; also for larger filling valves (i.e. water taps) made of chrome vanadium steel, for flange joints with screwed slip joint, legs dipped

230	1	10 1256
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Corner work pipe wrenches 45°

According to DIN 5234, drop forged with induction teeth-hardening, double T-profile handle, safety crimp-protection

For pipes inch	Opening of jaws mm			
1/2	33	240	6	10 1277
1	48	320	6	10 1279
1 1/2	56	420	6	10 1281
2	71	550	6	10 1283
3	94	600	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 und wire cutter

Opening of jaws mm				
0 - 35	185	1	10 1300	
0 - 50	250	1	10 1302	
0 - 65	300	1	10 1304	



Valve pliers

With non-skid rubber tissue tape

max. 160 mm Ø		1	10 1370
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Basin wrench

With pivotable claw, for left- and right-hand threads, lacquered

235		1	10 2020
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Dimension mm

↗

No

cimco®

Single-hand-basin wrench

For the easy installation of high-grade, i.e. chrome plated valves, on difficult accessible places with small working space, retainers $\frac{3}{8}$ "

Wrench insert

SW 27 mm	1	11 4021
SW 32 mm	1	11 4022
SW 36 mm	1	11 4023
Extension	300 mm	1
Sliding T-handle	$\frac{3}{8}$ "	11 4024
Assortment No. 11 4021 bis No. 11 4028	5-part	11 4026
		11 4019



Express-wrench

Open ended wrench with wrench for sanitary ware screws M 10

SW 17 - 19	1	11 4011
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Valve-Quick

Drain valve holder and screw-in wrench. Plug and immediately ready to turn.

No damage of the chromium-surfaces possible, only 365 g weighty. Fir for service within seconds

1	11 4040
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Plumbing spider wrench

With offset surfaces, therefore practical for all makes

For tap extensions $\frac{3}{8}$ " - $\frac{1}{2}$ " - $\frac{3}{4}$ " - 1", With thread for sanitary ware screws M 10 + M 12

1	11 4120
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Radiator spud wrench

For cam-hexagonal and bihexagonal catching, for assembly of valves and screwings

$\frac{3}{8}$ " - 1", $\frac{1}{2}$ "-square drive

1	11 4000
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Ratchet



With $\frac{1}{2}$ " square socket, for radiator spud wrench No. 11 4000 with supplied $\frac{1}{2}$ "-through square, application consequently possible as normal ratchet for socket wrenches

1	11 4001
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Radiator spud wrench

Chrome-plated, with adjustable torsion pin, for valve nipples $\frac{3}{8}$ " and $\frac{1}{2}$ "

1	11 4150
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Pipe cutter 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 blade geometry of the knife guarantee a flashless and non-deforming, rectangular.

Pipe cutter SUPER

Working range 6 - 35 mm ø	1	12 0410
Spare knife	1	12 0412



Pipe Cutter MAXI

With adjustment-lever for modification of cut-opening

Working range 6 - 42 mm ø	1	12 0420
Spare knife	1	12 0422



Pipe Cutter

Massive plastic-pipe cutter with interchangeable blades for round pipes with max. 42 mm ø (made of PVC, PE, PER, PP, PB and VPC) or plastic cable conduits up to 15 x 30 mm. In addition it can cut cable up to 12 mm ø. Stable mechanic construction for high robustness and long life.

Ergonomically formed and particularly handy. Weight 550 g

1	12 0414
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Universal-pipe cutter

With 2 interchangeable knives, for insulation- and hard-PVC-pipes and for soft plastic- and rubber-hoses

Pipe-outer-ø max. 29 mm	200	1	12 0450
Loose knives			
For hard-PVC		1	12 0452
For soft pipes		1	12 0453



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Dimension mm

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Corrugated-pipe cutter

For cutting off and cutting into length of corrugated flexible plastic and plastic-protection pipes up to 42 mm ø in electrical, sanitary and heating installation, by simple rotating motion safe cutting on the outer diameter without damage of the inner pipe, with two interchangeable cutting inserts, weight only 45 g

Working range up to 42 mm ø	110	1	12 0430
Spare-cutting inserts		1 pair	12 0432



Metal-saw bow

Extra lightweight and yet very stable metal saw for 300 mm saw blades. Made of aluminium pressure casting in ergonomic design with soft rubber insertions in backside- and front-handle. High cutting precision of the blade in straight and 40 degrees position by captive dowel pins

Spread 300 mm	Weight 650 g	1	12 0602
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Metal-saw bow

Acc. to DIN 6473 A, heavy version, material thick. 18 x 8 mm, bright chromium-plated, with captive dowel pins

Spread 300 mm		6	12 0600
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Metal saw blades

According to DIN 6494, 24 teeth per inch

Form A, onesided toothing

Material	Dimensions mm		
Super-speed steel-CO	300 x 13 x 0,65	100	12 0608
Super-speed steel	300 x 13 x 0,65	100	12 0610



Form B, double-sided toothing

Material	Dimensions mm		
WS	300 x 25 x 0,8	50	12 0614



Pipe-interior- and external milling cutter

For chatter-free canting of plastic-, copper-, aluminium- and soft steel pipes from 4 - 42 mm ø

		1	12 0890
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Ratchet-pipe cutter

Innovative, worldwide patented pipe cutter with ratchet-mechanism, by which the complete rotation around the pipe, which is to cut, is no longer needed. Especially practical for workings in constricted areas. Single-hand-operation. Eminently powerful thanks to special cutting wheel and double roll guiding (quickness and durability). Integrated de-burrer for clean edges on cut pipes. Easy interchangeable cutting wheel. One spare-cutting wheel is included in extent of delivery. Weight 400 g. cutting power: for pipes made of plastic, copper, high-grade steel (VA), aluminium, and similar, for pipe-outer diameters from 6 to 35 mm ($\frac{1}{4}$ " bis $1\frac{3}{8}$ ").

175 x 38 x 68		1	12 0480
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Micro-pipe cutter

With 1 small cutting wheel and double roll guiding, for copper pipe

3 - 16 mm ø $\frac{1}{8}$ " - $\frac{5}{8}$ " ø	60	1	12 0460
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Pipe cutter

With 1 small cutting wheel, double roll guiding and deflasher

3 - 35 mm ø $\frac{1}{8}$ " - $1\frac{3}{8}$ " ø	160	1	12 0464
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Pipe cutter

With 1 small cutting wheel and telescopic feed, double roll guiding and deflasher

3 - 35 mm ø $\frac{1}{8}$ " - $1\frac{3}{8}$ " ø	165	1	12 0467
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Pipe cutter

With 1 small cutting wheel and double roll guiding

3 - 50 mm ø $\frac{1}{8}$ " - 2" ø	390	1	12 0472
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Loose small wheels

For 12 0460, 12 0464, 12 0467		1	12 0462
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For 12 0472		1	12 0474
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Dimension mm

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cimco®

Safety-German standard hammer

Structural dimensions and processing according to DIN 1041. With solid forged handle-protection collar and additional nylon-handle-protection bush. With double flared hickory-handle, tip double protected by ring wedge and synthetic resin-sealing.
Hammer weight g

500

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13 0586

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26**Universal-steel slitting shears**

With toggle joint, double hardened and finely serrated blades; self-opening.
Hexagon socket screw, fully hardened; with fine-pitch thread for adjustment of blade gap.

“Ideal”

250

1

12 0280

**“Special”**

With extra flat lower blade

Right-hand cutting	250	1	12 0282
Left-hand cutting	250	1	12 0283

**Screw punch**

Nominal Dim. PG	Hole-Ø mm	Screws M	Power max. Sheets thick. mm		
1 1/4"	32	10 x 1	1,5	1	13 1820

**Workshop-files-assortment**

With wooden haft

Each tim. 1 p. 200 mm cut 2	□ △ □ ▷ ○	1	20 6806
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**Valve reseating tool**

With double-brass-cylinder, with flat steel milling cutters, for water pipe taps,
for pipes 3/8" - 1/2" - 3/4" -1"

1 14 1150

**Quick-action spanner for toilet fittings**

with plain clamping jaws, gunmetal finish

300 1 11 2870

**Excelsior-wrench**

Chrome-plated, with square socket, for tap-extensions 10 mm

240 1 11 2842

300 1 11 2844

370 1 11 2846

**Offset screw driver**

Chrome-plated, with square socket, for tap-extensions 10 mm

3/8" + 3/4"	1	11 4130
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**Puncher-assortment, 10-part**

Consisting of one self-centering holder with resilient center point and interchangeable punch-inserts made of alloyed steel, for sheets, plastics, paperboard, leather

Each time 1 punch-insert 5-6-8-10-12,5-16-20-25-32 mm Ø	1	13 1680
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Rodding tools for pipes

Made of hot galvanized, double-layered steel wire, with claw and adjustable wooden handle

Spindle-Ø mm	Claw-Ø mm	m		No
7	17	5	1	14 1170
7	17	10	1	14 1176
10	20	10	1	14 1186
10	30	10	1	14 1200
12	40	5	1	14 1192
12	40	10	1	14 1202

**Extensions for rodding tools for pipes**

Spindle-Ø mm	m		No
12	5	1	14 1212

**Pipe cleaner**

universal applicable pipe cleaning tool for all cleanings of pipes with 10 to 55 mm Ø, i.e. drain pipes, sink units, washbasins, shower outflows, bathtubs and WCs, with crank for manual operation and hexagon-drive for electronically controllable drilling machines, spiral made of hot galvanized piano wire, 7,5 m long, 8 mm Ø

1	14 1250
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**Steel wire brush**

4-rowed	Length 290 mm	6	14 1314
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**Magnetic welding mirror**

With powerful permanent magnet, ball-and-socket-joint and flexible brass-hose, steel mirror nickel-plated, 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

Soldering iron

Mains independent the soldering iron is ready to solder in a matter of seconds. The piezoelectric firing is operated with customary lighter-butane-gas. Firing hours about 1 hour. Stepless adjustable up to 500 °C.



Accessories

3 different attachments, one flame nozzle, one soldering-bit and one hot air deflector for heat shrinking allow general use in installations and service.

1 Electronics solder lead-free

According to DIN 29453, S-Sn 99,3, Cu 0,7, with active resin fluxing agent according to DIN EN 29454-1 1.1.2.B 2,5% (weight % 2,5 ± 0,5), not corrosive on nonferrous metals, on one-trip spools

Wire-ø mm	Weight g			
1,0	100	1	15 0152	
	250	1	15 0154	
	500	1	15 0156	
	1000	1	15 0158	
1,5	100	1	15 0162	
	250	1	15 0164	
	500	1	15 0166	
	1000	1	15 0168	
2,0	250	1	15 0174	
	500	1	15 0176	
	1000	1	15 0178	
3,0	250	1	15 0180	
	500	1	15 0182	



8 Electronics solder

According to DIN EN 29453, with activated resin fluxing agent, not corrosive on nonferrous metals, fast flowing, fluxing agent according to DIN EN 29454-1 1.1.2.B 2,5% (weight% 2,5 ± 0,5) S-Sn60Pb40, on one-trip spools

Wire-ø mm	Weight g			
1,0	100	1	15 0052	
	250	1	15 0054	
	500	1	15 0056	
	1000	1	15 0058	
	1m	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	



16 Radio solder

According to DIN 1707, with activated resin fluxing agent, not corrosive on nonferrous metals, fast flowing, fluxing agent according to DIN EN 29454-1 1.1.2.B 2,5% (weight% 2,5 ± 0,5) S-Sn40Pb60, on one-trip spools

Wire-ø mm	Weight g			
2	250	1	15 0104	



18 Soldering tin in triangular sticks

According to DIN EN 29453, extruded, standard dimensions 11 x 11 x 11 mm, length about 440 mm

SN %	Weight g			
35	1000	1 kg	15 0140	
40	1000	1 kg	15 0150	
60	1000	1 kg	15 0160	



21 Soldering tin in triangular sticks lead-free

According to DIN EN 29453, extruded, standard dimensions 11 x 11 x 11 mm, length about 400 mm

SN %	Weight g			
99,3	1000	1 kg	15 0161	

23 Soldering paste

According to DIN EN 29454-1 3.1.1.C, for soft soldering of tinplate and leaded sheet metal, for tinning of copper and brass, not suitable in electrical engineering and electronics (contains zinc chloride, corrosive)

50 g	1	15 0230	
100 g	1	15 0232	
250 g	1	15 0234	



Contact-soldering paste

According to DIN EN 29454-1 1.1.2.C, for solderings in electrical engineering, electronics and electrical installation

50 g can

1

15 0240

Unsoldering pump

Ideally practical for repair works on printed circuit boards and electronic-devices, in professional industry-quality with very high, constant suction power and large aluminium-solder chamber, low weight (only 65 g), with slim, antistatic and easy interchangeable unsoldering nib made of Teflon.

195

1

15 0300



Electro-soldering devices

220 Volt, with plastic handle, 1,5 m-connecting cord and plug with earthing contact, interchangeable copper-soldering bits

Watt	Sold. bit temp.	Heatup time	Sold. bit ø mm		No.
15	370 °C	1,5 min	5-straight	1	15 0448
Spare soldering bit for 15 0448				1	15 0449
30	410 °C	1,5 min	5-straight	1	15 0600
Spare soldering bit for 15 0600				1	15 0601
60	460 °C	2,0 min	7-bent	1	15 0453
Spare soldering bit for 15 0453				1	15 0454
80	480 °C	2,5 min	7-bent	1	15 0602
Spare soldering bit for 15 0602				1	15 0603
100	500 °C	2,5 min	7-bent	1	15 0456
Spare soldering bit for 15 0456				1	15 0457



Put-down-stand for electric- and gas-soldering irons

With basin for cleaning sponge

80 x 110 mm

1

15 0301



Electro-soldering gun

220 V, lighting for soldering point, with Euro-plug

Watt	Sold. bit temp.	Heatup time		No.
100	400 °C	0,2 min		15 0700



Gas-soldering-set

10-part, for lighter-butane-gas. For precision soldering without obstructive cables in the way, where a power supply is not possible, i.e. in installations, service and repair areas. Due to diverse interchangeable attachments also applicable for heat shrinking work, micro-welding and for cutting of plastic films, sheets and plates. With electronic firing, power stepless adjustable, temperatures with open flame up to 1.300°C, soldering up to 500°C, heat shrinking up to 500°C, firing hours about 60 min.

In handy storage- and transport-case made of shockproof plastic with window. Set consisting of each time 1 piece:

- Gas-soldering iron with sealing cap, locking device
- Soldering bit pencil pointed
- Soldering bit 3 mm one-sided angular (ellipse-shape)
- Soldering bit 3,5 mm double-sided angular (chisel shape)
- Blade type bit 12,5 mm width for cutting and forming of plastic and rigid cellular material
- Hot air deflector for heat shrinking
- Flame nozzle 3,5 mm diameter for micro welding
- Wrenches 7 mm and 8 mm for bit-assembly
- Cleaning sponge in sponge box 40 x 40 mm
- detailed instruction manual

10-part gas-soldering iron-set	275 x 160 x 45 mm		1	15 0800
Gas-soldering iron single device	235 x 27 mm		1	15 0810



Soldering station with stepless control

Primary voltage 230 V, 50/60 Hz, secondary voltage 12 V, safety transformer, LED-function-display, soldering iron with separately guided equipotential bonding an interchangeable soldering bit

Watt	Sold. bit temp.	Heatup time	Sold. bit ø mm		No.
30	200 - 450 °C	1,5 min	5		15 0730



Spare soldering iron

Watt	Sold. bit temp.	Heatup time	Sold. bit ø mm		No.
30	200 - 450 °C	1,5 min	5		15 0732

Sprays for cleaning, service, maintenance and assembly

Compressed air-spray

Blows dust and loose impurities away without residues and allows that way a dry, contact-free cleaning also on inaccessible corners and sensitive surfaces, on electronic devices, magnetic heads, cameras, clockworks, in model making, metrology and so on

400 ml

12

15 1092



Refrigerating spray

For thermal diagnostics and fastest function tests of electric components, thermostats, ignition and control automatons, for cooling of motor parts and heat-sensitive components (i.e. prevention of overheating while soldering) cools locally to -45 °C, material-neutral (plastics excluded), easy inflammable

400 ml

12

15 1090

Turbo-power-spray W 44 T

High performance-care and maintenance product for all applications in industry, craft, household and hobby, operates as corrosion protection on metal parts, as penetrating oil (rust dissolver, elimination of squeaking and creaking noises), as water displacer, as lubricant and as cleaner (also oil, fat, tar and adhesive-residuals), leaves behind a long adhering film, which not smears or cleaves and not attracts dust, because it is free of silicon and resin. Ideal application in electrical engineering and electronics as anti-condensation-agent on printed circuit boards, as contact spray at generators and solenoid switches, moisture-protection at switch-gears, relays and switches.

400 ml

12

15 1120

50 ml

12

15 1122

AT 44 Allround spray with Teflon®-Superpower

Corrosion protection, cleaning, lubrication, water-displacement and preservation in one product. Displaces moisture from electrical leads, averts leakage currents, detaches jammed screws and so on, eliminates squeaking and creaking noises, cleans surfaces. Leaves behind a filmy coating, which does not smear nor attracts dust.

400 ml

12

15 1000



Teflon®-Spray

A dry, clean, grease free, adherent and firm lubricant. Dirt, dust and water-repellent, resistant to caustic chemicals and oils. Temperature-resistant from -180 °C to +250 °C

400 ml

12

15 1002

Silicon-spray

An ideal slide, protection, maintenance and separating agent. Facilitates the pulling of cables, protects electrical contacts from moisture, maintains rubber-, plastic- and metal parts.

400 ml

12

15 1004



Penetrating- and contact spray

Corrosion protection, cleaning, lubrication, water displacement and preservation in one product. Removes rust, displaces water from ignition contacts and electrical leads, protects sustainable from corrosion and lubricates sliding surfaces, with good creeping properties. Averts leakage currents, spark discharge and short circuits, improves the resistance coefficients

300 ml

12

15 1040

Spray-cleaner S

Cleaner and degreaser for all metals, glass, ceramics and the most plastics. Cleans without residuals electrical contacts, heating boilers and burners, brakes, clutches, motors, transmissions and so on from tenacious soilings as oil, fat, tar, wax, silicon- and adhesive-residuals, operates degreasing.

500 ml

12

15 1150

Multi-foam/monitor cleaner

The powerful universal cleaner, completely biodegradable. Cleans residue-free all metals, glass- and plastic parts, removes insects, smudges, dirt films, refreshes matt and weather beaten plastics, averts adhesion and freezing on of door rubber profiles, etc.

400 ml

12

15 1152

Metal sprays

Zinc-spray

Permanent, fast drying electric corrosion protection with long-duration effect for all metallic surfaces, resistant to salt, water and heat up to about 500 °C, applicable for repair of damaged zinc-coatings.

Colouring: zinc grey	400 ml	12	15 1100
Colouring: special-bright, hot-galvanizing adapted	400 ml	12	15 1102



Aluminium-spray

99,5% pure aluminium, up to + 800 °C heat-resistant long-time-protection, adheres on nearly all materials as steel, nonferrous heavy metals, wood, paperboard, plastic, ceramics etc., resistant to atmospheric influences.

400 ml	12	15 1110
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High-grade steel-spray

Corrosion-resistant and effective surface coating, adheres safe on all metals, glass, wood, stone, paperboard and the most plastics.

400 ml	12	15 1114
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Adhesives and sealants

Instant adhesive CONTACT

Cyanoacrylate adhesive for fast connecting of nearly all materials with one another

20 g	20	15 1200
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Epoxide-minute-adhesive

Transparent 2-component adhesive with extremely high adhesion power, elastic as well as shock-proof, high tensile strength, impact-resistant, for all materials

24 ml	12	15 1210
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Minute-adhesive FAST METAL

Steel-filled 2-component epoxide-minute adhesive, high impact-resistance and tensile strength, temperature-resistant from -60 °C to +145 °C.

24 ml	12	15 1215
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Screw securing CIMLOCK

High-quality adhesive and sealant for securing, fixing and sealing screws, stud bolts, joint and area connections.

Hardening takes place after contact with metal on air. Medium firm, for bridging gaps from 0,05 mm to max. 0,25 mm

24 ml	20	15 1224
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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

20 g	1	14 2193
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Dimension mm

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Silicone

1-component-adhesive and sealant, adheres on the most undergrounds as aluminium, nonferrous metals, steel, glass, glass fabric, ceramics, plastic, wood and many other materials

Transparent	310 ml	12	15 1260
old white (i.e. for cable ducts)	310 ml	12	15 1262



Cartouche-pistol

For all customary standard cartouches (i.e. silicone), open skeleton construction, soft extraction stroke, extremely long lifetime, with pressure relief, with spray nozzle-cleaning needle

1	15 1270
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Hot-glue gun-set

Electronic temperature adjustment, mechanical feed device for adhesive sticks, melt on temperature about 210 °C, heating time about 7 min, power 40 W, for adhesive sticks 11 mm diameter, incl. plastic case and 6 adhesive sticks.

1	18 1400
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Adhesive sticks thereto 11 mm ø 200 mm length	500 g	18 1401
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Gypsum and mounting concrete

Delivery to wholesale traders only in complete packing units (= 1 pallet per article) and from total quantity delivered at least 5 t per delivery!

Building and electrician gypsum

For applying wall sockets, filling holes, for repair and installation works, dowelling, smoothing and fixing in interior.

Especially aligned for building activities and electrician works. Also best practical for forming and modelling works.

Processing time about 15 – 20 minutes, mixing ratio ca. 8 l water / 10 kg, storage life ca. 3 months

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



Attaching gypsum

For attaching of gypsum plaster boards, staff boards and gypsum plaster compound boards on portative and absorptive undergrounds. Prepare smooth concrete plains with concrete contact, highly absorptive underground with priming agent or melt on blocker. The processing regulations of the manufacturers of the boards are to be considered. Also practical for setting of plaster finish (only available in packing units)

PU = 1 pallet

in paper sack	30 kg	24 sacks	14 0338
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Adhesive plaster gypsum RED-WHITE

One-part interior plaster with adhesion additives and high productivity for the manual processing on all common plaster underground as well as on rough or smooth concrete planes in interior including domestic kitchens and bathrooms. With smooth undergrounds a preparation with concrete contact is needed. Smoothed, felted or in free structure processible. Processing time ca. 60 minutes (depending on processing conditions), recommended plaster thickness 8 mm, material expenditure ca. (only available in packing units)

PU = 1 pallet

in paper sack	30 kg	24 sacks	14 0342
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Mounting concrete MZ 1

Quick-curing concrete for fixings, mountings and repairs. For dowelling and attaching of consoles, handrails, wall hooks, doors, gates, frames, switch boxes and many more. For sealing of water intrusions on concrete, brickwork and pipes. For repairing of stairs, screed, concrete and plaster (only available in packing units).

Processing time ca. 5 - 7 minutes, mixing ratio ca. 0,15 – 0,2 l water / 1 kg powder, storage life ca. 6

PU = 1 pallet

in plastic bucket	7 kg	80 buckets	14 0346
	15 kg	44 buckets	14 0348



cimco®

WORKSHOP- AND BUSINESS EQUIPMENT

Warranty

A 5-year durability warranty enhances the high quality of the ladder.

Insulation

The insulating effect of the plastic ladder up to 100.000 V is periodically tested and approved by independent testing institutions



EN 131

Stability

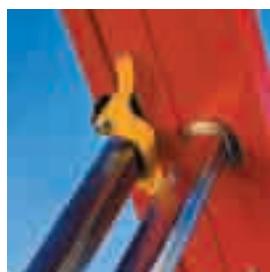
A broad bottom crosshead offers additional stability and safe footing especially at great heights



Glass fibre arbors in H-profile form allow similarly less weight and high stability of the ladders. The corrugated aluminium steps are threefold flanged and therefore warping and break-off-proof.

2 wall running rolls on top end of ladder protect walls and other surfaces when the ladder is used as a simple ladder and eases the running up of the ladder in the desired height.

Locking made of robust plastic avoids unintended pulling out of the ladders



1 Plastic ladders

Ladders with tested, extremely non-ageing glass fibre-arbors, which affords electrical insulation, especially for professional users, who work near cables, supply points or other current carrying systems. Lightweight and handy by special construction of GFRP-arbors (hollow resp. C-profile) as well as aluminium-steps resp. steps, steps and steps durably twofold flanged with the arbors, distance between steps 280 mm, carrying capacity 150 kg, nonskid stand by rubber-ladder-feet, incl. detailed working, assembly and safety instructions. Ladders correspond to European standard EN 131, TÜV-GS-tested, as well as electrical tests according to DIN 53 481, 53 482 and 53 483 by independent testing institution C.E.S.I., 5 years stability-warranty.

2 Step ladder

Insulating effective ladder up to 100.000 Volt. lightweight and stable step-ladder, hollow GFRP-arbors in H-profile (70 x 32 mm resp. from 16 steps 90 x 32 mm), aluminium-steps with the dimensions step width 27 mm x step length 365 mm, ladder-external width 420 mm.

Number of steps	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
18	5,10	17	1	14 6018



3 2-part step-double- and extension-ladder

Insulating effective ladder up to 100.000 Volt. Combined two-part step ladder, which can be used both as a double- and as an extension ladder (simple ladder). Optimal stability by bottom crosshead, extension ladder step by step manually height-adjustable, 2 wall-running rolls on top end of ladder, locking- and opening-mechanism made of aluminium, highly confirmed lashing straps against unintended opening of double ladder, hollow GFRP-arbors in H-profile (70 x 32 mm resp. from 12 steps 90 x 32 mm), aluminium steps with the dimensions step width 27 mm x step length 425 mm, external width 480 mm.

Number of steps	Double 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



4 3-part step-double- and extension-ladder

Insulating effective ladder up to 100.000 Volt. Combined three-part step ladder, which can be used both as a double and as an extension ladder (simple ladder). When used as a double ladder, the third upper ladder part acts only as a safety-bridge. Optimal stability by bottom crosshead, extension ladder step by step manually height-adjustable, 2 wall-running rolls on top end of ladder, locking- and opening-mechanism made of aluminium, highly confirmed lashing straps against unintended opening of double ladder, hollow GFRP-arbors in H-profile (90 x 32 mm, with 8 steps 70 x 32 mm), aluminium steps with the dimensions step width 27 mm x step length 425 mm, external width 480 mm.

Number of steps	Double 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



2-part step-extension ladder with tackle line

Insulating effective ladder up to 100.000 Volt. Can only be used as simple, not as double ladder! Optimal stability by bottom crosshead, extension ladder step by step comfortably height-adjustable by tackle line, 2 wall-running rolls on top end of ladder, locking- and opening-mechanism made of aluminium, hollow GFRP-arbors in H-profile (90 x 32 mm), aluminium steps with the dimensions step width 27 mm x step length 420 mm, external width 490 mm.

Numbers of steps	Length (m)	Extension ladder height max. (m)	Weight kg		
2 x 12	3,50	6,00	28	1	14 6312
2 x 14	4,10	7,15	31	1	14 6314
2 x 16	4,60	8,25	35	1	14 6316
2 x 18	5,20	9,10	39	1	14 6318



3-part step-extension ladder with tackle line

Insulating effective ladder up to 100.000 Volt. equipment and working as above 2-part step-extension ladders

Number of steps	Length (m)	Extension ladder height max. (m)	Weight kg		
3 x 10	3,00	7,20	34	1	14 6410
3 x 12	3,50	8,60	40	1	14 6412
3 x 14	4,10	10,25	45	1	14 6414



Step-double ladder

Insulating effective ladder up to 30.000 Volt. Double-sided 80 mm wide corrugated aluminium steps for safe and comfortable stand especially for extended working, connection joint made of aluminium, double-sided stable folding metal braces against unintended opening of double ladder, GFRP-arbors in C-profile (82 x 30 mm), ladder-external width 480 mm

Number of steps	Height m		Weight kg		
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



Step-double ladder

Insulating effective ladder up to 5.000 Volt. Lightweight and robust ladder with small structural dimensions, ideal for electrical trade, but also for household. Platform and standing planes made of insulating polypropylene, 80 mm wide corrugated aluminium steps for safe and comfortable stand especially at long works, with safety bridge (length 600 mm), which simultaneously operates as a tool box, double protection against unintended opening of double ladder by self-locking platform and by highly confirmed lashing straps, GFRP-arbors in C-profile (82 x 30 mm), step distance 250 mm, ladder-external width 510 mm

Number of steps	Height m		Weight kg		
3	0,77		3,7	1	14 6603
4	1,00		4,5	1	14 6604
5	1,23		5,3	1	14 6605
6	1,46		6,0	1	14 6606
7	1,69		7,4	1	14 6607
8	2,90		8,5	1	14 6608
10	2,38		11,0	1	14 6610

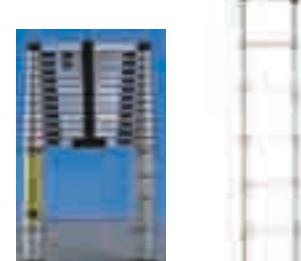


1 Aluminium ladders

2 Height-adjustable aluminium telescopic ladder

3 Flexibly applicable 3-in-1-aluminium step-ladder, which can be used as simple ladder, extension ladder as well as double ladder. Both sides of ladder are separately from each other extendable from step to step, thereby operating on sloping ground and stairways. Lightweight, handy, easy to handle and with professional equipment and manufacture: maximum carrying capacity 6 to 9 steps 150 kg, 10 and 12 steps 120 kg, optimal stability by rubber feet, powerful automatic joints made of aluminium, absolutely safe and comfortable fixing of the ladder by 4 locking devices with spring bolt, catching hook and covering made of break-proof plastic, with practical plastic-tool holder 310 x 260 mm, continuous corrugated, flanged aluminium-steps, step width 27 mm, step distance 280 mm, TÜV-GS-tested, according to DIN EN 131

Number of steps	Height max. (m)	Simple ladder height	Height (m)	Weight max. (kg)		No
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 9	1,53	2,23	4,64	12,0	1	14 6709
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



10 Aluminium telescopic ladder X-TEND

11 From 0,8 to 3,8 m in a matter of seconds! X-TEND is an innovative telescopic ladder according to European regulation EN 131 for the professional use in trade and industry. By simple pulling out of ladder bars from step to step the height of the ladder can be adjusted to required height and with the aid of self-locking safety-buttons be fixed in desired length. After use the ladder retracts by itself by finger pressure to the latching buttons. In status of transport extremely compact (only 80 cm high), extendable up to max. 3,80 m height. Produced of abrasion-resistant anodized aluminium. 13 steps with 40 mm width and anti-skid-profile for comfortable and safe working, step distance 30 cm, lower ladder bar-diameter 8 cm, 49 cm wide bottom crosshead with nonskid plastic feet, max. carrying capacity 150 kg, weight only 11,5 kg.

1

14 6720

14 Folding working platform

15 Made of light metal. By single manual operation folding, stable aluminium-rectangle-bars, upper standing area (platform) made of corrugated aluminium-sheet, wide bottom-platform (300 x 400 mm) and 80 mm wide corrugated steps for highest possible tread-safety, non-skid PVC-ladder feet, double protected against unintended folding by catching platform and safety-braces, carrying capacity 150 kg, step distance 250 mm, step length 750 mm, ladder width folded only 150 mm, conforms European norm EN 131

Number of steps	Height (m)	Width (m)	Weight kg		No
3	0,69	0,54	4,6	1	14 6800



19 Accessories for ladders

20 Safety device for poles

21 Device against the unintended slipping off of simple ladders on poles (light- and line poles, flag poles, trees and similar), universal fixing on all step ladders, with 2 plastic-slide faces and robust safety-chain.

22 Max. diameter 280 mm

1

14 6810



23 Hang-up platform EASYSTEP

24 Platform to hang-up in every step ladder according to EN 131 for comfortable, fatigue-proof and safe standing also for longer time. Applicable for ladders with step width 25 to 40 mm and step distance 250 mm / 280 mm / 300 mm. Simple mounting without additional tools, wide bottom platform (265 x 265 mm) with skidding-obstructive coating, can also be used as storage space. Carrying capacity 150 kg, made of zinc-coated steel sheet, weight 3,4 kg.

1

14 6820



Hand cleaner

With biodegradable liniment (walnut shell flour), good cleaning power at medium soiling by i.e. oils, fats, soot, graphite, metal dust, lubricants, good skin-friendliness, solvent- and soap-free, perfumed.

Hand tube	250 ml	1	15 1626
Dispenser-soft bottle	2000 ml	1	15 1624



Dispenser for hand cleaner

For retaining of 2-liter-hand cleaner soft-bottles, in established quality and functionality, simple handling and filling, also applicable for shower rooms. Casing for wall mounting made of shock-proof plastic, with drip-protected dispensing mechanism

white	135 x 135 x 320 mm	1	15 1630
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Humid cleansing tissues

Ideal, if cleaning has to take place with slightly dosed fluid in order to not endanger sensitive technical devices, for hands, tools and machines, removes fats, grease, adhesive, oil, tar, asphalt, ink, coal, graphite and other dirt, humid viscose-tissues with textile character, soaked with fluid detergent, fast drying without residuals, extra skin-friendly, pleasant fresh scent, in handily, closable dispenser bucket with 72 tissues

250 x 250 mm	1 bucket	14 5018
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Skin care cream

Fast soaking in cream for hands and face especially for care of by profession and environment stressed skin, for all skin-types, medium greasing, silicon-free, not perfumed

Tube	100 ml	1	15 1628
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Pick

According to DIN 20 109, with oval eye, black lacquered, with wooden stick

3 kg	1	13 1424
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Sand shovel (Frankfurt style)

According to DIN 20 121, round-pointed form, oil hardened, with stick socket, lacquered, with beech stick

300 x 270 mm	1	13 1428
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Sand shovel (Holstein style)

According to DIN 20 120, edged form, oil hardened, with stick socket, lacquered, with beech stick

250 x 270 mm	1	13 1430
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construction bucket

with litre-scale, made of high-grade polyethylene-reclaimed rubber composite, recyclable, strengthened bottom, zinced bow 5 mm

black	12 litres	1	13 1435
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Road broom

For rough and deep-seated dirt on roads and working areas, extra durable plastic filaments (Elaston), in flat wood with hole for handle

red	400 mm	1	14 3024
Wooden stick thereto	1,4 m	1	14 3028



Hall broom

For minor and dusty dirt on dry floors, highest quality made of real horsehair, saddle wood with hole for handle

black	600 m	1	14 3026
Wooden stick thereto	1,4 m	1	14 3028

**Hand brush**

In best quality made of horsehair with black beard

Made of wood	300 mm	1	14 3030
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**Dustpan**

Robust version made of lacquered metal, with wooden handle

1	14 3032
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**All-purpose-rubbish sack**

Content about 120 l, made of recyclable polyethylene-reclaimed rubber-foil (PE-LD), problem-free burning on landfills, because of groundwater-neutral performance and no release of harmful gases or substances, foil thickness 80 µm, specially stable and tear-proof, waterproof, each time 25 sacks on 1 roll

blue	700 x 1100 mm	1 Rolle	14 5001
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**Covering blankets**

Clear-transparent, made of recyclable polyethylene-reclaimed rubber-foil, dimensions 4 m x 5 m = 20 m²

Made of PE-HD	Foil thickness 12 µm	20	14 5004
Made of PE-LD	Foil thickness 18 µm	20	14 5006

**Antiskid covering mat**

Highly absorptive mat, coated with PE-antiskid-membrane, for protection of sensitive surfaces and smooth floors made of marble, wood (parquet, floorboards), plastic, laminate, carpeted floors and others, averts the seeping through of paint, dilutions, oil, adhesives, gypsum, etc., simple to cut into size and easy to lay, multiusable

1 m x 25 m	1 role	14 5007
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cimco ProFashional

**The professional work clothes
for trade and industry**

Print and embroider service for emblems

With durably sewed on or imprinted firm emblem work clothes are tax-deductible and you make use of the advertising effect for your business. According to your wishes and perceptions we produce weave, embroider or print emblems and sew on or fix existing emblems. We gladly advise you on questions about design, handling and costs.

Cloth qualities and fabrication

High-grade cloth qualities and permanent tested first-class fabrication assure durability despite workaday exertions. Continuous wearing comfort and practical functionality is paramount



Personal appearance

You should offer your operators professional and adequate clothes! The appearance of your business in CIMCO work clothes creates confidence with your customer and creates prime advertising for your company

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ProFashional

- Your outfit with system!

Continuous design of all garments in colour and style, therefore all parts of collection are free combinable, attractive two-colours-design – not as boring as the classic work clothes, but modern and image-promoting, also wearable as casual wear, comfortable cuts for optimal free movement in all working situations, simple cleaning and maintenance also at home, no extra charges for oversizes (one price fits all), special sizes are possible with short delivery time as custom made items.



**- The representative image
clothes for trade and industry**

Strengthened cloth quality ($300\text{g}/\text{m}^2$) with high tear- and rubbing-resistance, also for hard professional assignment, double seams, all pockets, flaps or belt loops blocked, meaning with extra reinforced seams, non-corroding metal press fastenings, colourfast, crease-resistant fabric mixture with 65 % cotton amount for cushy agreeable to the skin wearing comfort, dirt-resistant impregnation, washable up to 60°C , non-iron and suitable for dryer

Powerline-work jacket

Generous sleeves for optimal free movement, press fastening cuffs turn-down collar, inner breast pocket, 2 fitted breast pockets with flap and press fasteners, thereof one with special glasses and mobile phone-pocket with velcro-quick-release-fastener, one with extra pocket for cigarettes, small utensils or the like, 2 fitted side pockets with box flap and press fasteners, 2 internal side pockets, double pencil pocket on left upper arm, width-adjustable sleeve-cuffs with slit.

46	1	30 3046
48	1	30 3048
50	1	30 3050
52	1	30 3052
54	1	30 3054
56	1	30 3056
58	1	30 3058
60	1	30 3060
62	1	30 3062



PowerLine-trousers

Internal wedge in crotch for most comfortable fit, casual tuck style, waistband with metal-jeans-button-fastener, elastic waist in back and 7 belt loops, 2 lateral open pockets, 2 back pockets with flap and press fasteners, double folding rule pockets with 4 stick-in pockets, large thigh-external pocket with flap and press fasteners, knee-strengthening with padded pockets

46	1	30 1046
48	1	30 1048
50	1	30 1050
52	1	30 1052
54	1	30 1054
56	1	30 1056
58	1	30 1058
60	1	30 1060
62	1	30 1062



PowerLine-trousers with bib

American style with high back part, internal wedge in crotch for most comfortable fit, 2 adjustable elastic-shoulder straps with FixLock-buckles, width-adjustable back cuff, in front fitted waistband, covered fly with zip, double bib-pocket with additional pencil pocket, flap and press fastener, 2 large lateral open pockets, 2 strengthened back pockets with flap and press fasteners, double folding rule pockets with 4 stick-in pockets, large thigh-external pocket with flap and press fasteners, knee-strengthening with padded pockets

46	1	30 2046
48	1	30 2048
50	1	30 2050
52	1	30 2052
54	1	30 2054
56	1	30 2056
58	1	30 2058
60	1	30 2060
62	1	30 2062



cimco ThermoLine - work effort in all weathers

With the CIMCO-ThermoLine you feel good anyway.

ThermoLine-blouson

Multifunction-jacket, by detachable sleeves also wearable as vest (bodywarmer), upper made of wind deflecting and water-repellent beaver-Nylon (50% polyamide, 50% cotton, 240 g/m²), zip with cover strip, high neck collar, detachable hood with lacing, jacket, sleeves and hood padded, removable lining with 2 inner pockets, 2 inner breast pockets, 2 back pleats, 2 fitted breast pockets with flap and press fastener, 2 inserted and strengthened side pockets, on each upper arm one double pencil pocket, elastic sleeve- and jacket-cuffs

S	1	30 3110
M	1	30 3112
L	1	30 3114
XL	1	30 3116
XXL	1	30 3118



ThermoLine-parka

Longer multifunction-jacket for the all-year-use, wind- and water-proof, but breathable and lightweight upper (100% polyamide, 165 g/m²) with micro-cavernous special-coating, fulfills the European norm EN 343 for protective clothing for bad weather, two-way-zip with broad covering border, high closing neck collar with hidden, detachable hood with lacing, visor and neck-protection border, jacket and hood padded, inner breast pocket, additional, to reach into from outside inner pocket with zip, 2 fitted breast pockets with flap and press fastener, 2 inserted and strengthened side pockets, 2 fitted side pockets with flap and press fastener, fitted upper arm pocket with flap and press fastener, ventilation-openings in the armpit, adjustable sleeve-cuffs and elastic waist.

S	1	30 3120
M	1	30 3122
L	1	30 3124
XL	1	30 3126
XXL	1	30 3128



ThermoLine-Fleece

Warming fleece-jacket made of 100% micro-fibre, as winter-lining for ThermoLine-parka, but also wearable alone, shoulder- and sleeve-parts with nylon trimming, ventilation-openings in the armpit, adjustable elastic-cord-closing

S	1	30 3121
M	1	30 3123
L	1	30 3125
XL	1	30 3127
XXL	1	30 3129



ProFashional**Your correct size? Very simple...**

Size	Unisex-size	Figure	Body-size	Chest measurement	Sleeve l. in front	Waist size	Hip measurement	Lateral length
46	S	normal	171	92	44	80	96	103
48	S		174	96	45	84	100	105
50	M	normal	177	100	46	88	104	107
52	M		180	104	47	92	108	108
54	L	normal	182	108	47,5	98	112	109
56	L		184	112	48	102	116	111
58	XL	normal	186	116	48,5	108	120	113
60	XL		187	120	49	112	124	114
62	XXL	normal	189	124	49	118	128	115
94	L	tall	182	94	48	80	96	109
98	L		184	98	49	84	100	110
102	XL	normal	186	100	50	88	104	112
106	XXL		189	104	50,5	92	108	114
110	XXL	normal	192	108	51	97	112	115

Please measure exactly:Body size
...without shoes, from head to toeChest measurement
...maximum chest measurementSleeve length, in front
...from beginning of shoulder to wristWaist size
... waistline all aroundHip measurement
...largest size all aroundLateral length
...waist to sole of foot lateral vertical down

CRIMPING TOOLS





Innovative, patented crimping tool system for most cable connectors.

Crimping pliers with interchangeable crimping profile inserts, which slide easily into the jaws of the tool; thereby profile-exchange within seconds without the aid of further tool. Two further crimping profiles are kept captive in the magazine holders, located in the handle of the tool. With click'n'crimp compared to towards other crimping tools saves time, space, weight and costs.

The body of the tool is made of 3 mm thick, special quenched and subsequently drawn, hardened steel sheet, with toggle joint for minimized expenditure of manual energy, adjustable ratchet mechanism with automatic unlocking for crimping power according to standards, ergonomic 2-component-handle sleeves, completely equipped with hardened precise crimping profile inserts. Weight incl.

3 crimping profile inserts only 690 g.



click'n'crimp-Sets

Click'n'crimp is available with standard equipment, composed of crimping tool and 3 of the most popular crimp profiles all contained in one easy to use tool.

click'n'crimp ELECTRICAL ENGINEERING

With crimping profile inserts No. 10 6010 (for insulated cable lugs from 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 wire end ferrules from 1,5 mm² to 10 mm²)

1 10 6000

click'n'crimp AUTOMOTIVE

With crimping profile inserts No. 10 6010 (for insulated cable lugs from 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 flat receptacles and flat plugs with open crimp claws from 1,5 mm² to 6 mm²)

1 10 6002

click'n'crimp DATA NETWORK STRUCTURED CABLING

With crimping profile inserts No. 10 6015 (for BNC-/TNC-coaxial plugs), No. 10 6017 (for unshielded 8-pole modular plugs) and No. 10 6019 (for shielded 8-pole modular plugs, type CIMCO and similars)

1 10 6009

click'n'crimp-crimping profile inserts

Click'n'crimp can be composed individually according to the own requirements of the user:

Click'n'crimp-crimping pliers body without crimping profile inserts

1 10 6005

Click'n'crimp crimping profile inserts (each time one pair consisting of upper and lower profile jaw)
for insulated cable lugs red – blue – yellow / from 0,5 mm² to 6 mm² resp. AWG 22 to AWG 10, oval crimping

1 pair 10 6010



for non insulated cable lugs 1,5 mm² to 10 mm² resp. AWG 22 to AWG 8, thorn crimping

1 pair 10 6011



Ins. and non-ins. wire end ferrules 0,5-10 mm² resp. AWG 22-8, trap. Crimping

1 pair 10 6012



idem, from 16-35 mm² resp. AWG 5-2, trapezoid-Ident-crimping

1 pair 10 6014



for non insulated flat plugs and flat receptacles with open crimp claws from 0,5 mm² to 6 mm² resp. AWG 22 to AWG 10, rolling crimping

1 pair 10 6013



for BNC-/TNC-coaxial plugs RG 58, RG 59, RG 62 AU, RG 174, hexagon crimping

1 pair 10 6015



(crimping dimensions: 1,73 mm / 0,068" – 4,75 mm / 0,187" – 5,41 mm / 0,231" – 6,48 mm / 0,255")

1 pair 10 6015



for unshielded 6-pole modular plugs (modular jack) RJ 11 (6P4C) and RJ 12 (6P6C), type SS, AMP

1 pair 10 6016



for unshielded 6-pole modular plugs (modular jack) RJ 45 (8P8C) type SS, AMP

1 pair 10 6017



for shielded 8-pole modular plugs (modular jack) RJ 45 (8P8C) CAT 5 etc., type CIMCO

1 pair 10 6019



for shielded 8-pole modular plugs (modular jack) RJ 45 (8P8C) CAT 5 etc., type HIROSE TM 11/21

1 pair 10 6018

Single hand system crimping pliers

Crimping pliers with toggle joint, ratchet mechanism and crimping point unlocking with a variety of interchangeable crimping profiles, fixed by two fastening screws. The ergonomically formed crimping pliers are easy to handle and handy to use. By the leverage of the handle the integrated ratchet mechanism is initiated.

Adjustable constrained unlatching guarantees optimal crimping results. All inserts are produced of carbon tool steel. Thereby they are extremely robust and durable. The 15 different profiles are suitable for nearly all crimpings of cable connectors.

with oval crimping

Single Pliers 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 insert	220	1	10 6144
Crimping profile inserts loose, oval crimping		1 pair	10 2004
Crimping profile insert loose, standard crimping		1 pair	10 2008



Non insulated cable lugs according to DIN: 1,5 to 10 mm², AWG: 8 to 20

Crimping pliers complete with insert	220	1	10 6134
Crimping profile inserts loose, thorn crimping		1 pair	10 2003



Non insulated plug connectors with open crimp claws 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 insert	220	1	10 6136
Crimping profile inserts loose, rolling crimping		1 pair	10 2002



Insulated and non insulated wire end ferrules 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 insert	220	1	10 6120
Crimping profile inserts loose, trapezoid crimping		1 pair	10 2001



Insulated and non insulated wire end ferrules according to DIN: 16 - 25 - 35 mm²

Crimping pliers complete with insert	220	1	10 6140
Crimping profile inserts loose, trapezoid crimping		1 pair	10 2006



Insulated and non insulated wire end ferrules according to DIN: 25 und 50 mm²

Crimping pliers complete with insert	220	1	10 6142
Crimping profile inserts loose, trapezoid crimping		1 pair	10 2007



Shielded modular plugs, 8-pole, RJ 45 CAT.5 (8P8C), type CIMCO

Crimping pliers complete with insert	220	1	10 6201
Crimping profile inserts loose		1 pair	10 6217



Shielded modular plugs, 8-pole, RJ 45 CAT.5 (8P8C), type HIROSE

Crimping pliers complete with insert	220	1	10 6202
Crimping profile inserts loose		1 pair	10 6215



Shielded modular plugs, 8-pole, RJ 45 CAT.5 (8P8C), type Stewart Stamping

Crimping pliers complete with insert	220	1	10 6203
Crimping profile inserts loose		1 pair	10 6216



BNC-/TNC-coaxial plugs RG 58, RG 59, RG 62

Crimping pliers complete with insert	220	1	10 6138
Crimping profile inserts loose, hexagon crimping		1 pair	10 6218



OWG-plugs with round crimping, i.e. for SC-/AMP-SMA-/FC-/PC-plugs

Crimping pliers complete with insert	220	1	10 6156
Crimping profile inserts loose, round crimping		1 pair	10 6213



OWG-plugs with round crimping, i.e. for 3M-ST, AT&T-ST, AMP-SMA-plugs

Crimping pliers complete with insert	220	1	10 6158
Crimping profile inserts loose, hexagon crimping		1 pair	10 6214



Loose crimping profile inserts for unshielded modular plugs (modular jack)

6-pole, RJ 11 (6P4C), RJ 12 (6P6C)		1 pair	10 6211
8-pole, RJ 45 (8P8C)		1 pair	10 6212



Please note our crimping pliers-assortments on pages 177 and 179.

1 Crimping pliers SUPER-LIGHT

The innovative "lightweight" for the most solderless cable connectors and network plugs! The body of crimping pliers is not made of steel sheet as at usual crimping pliers, but made of 3 mm thick aluminium sheet, which gives the following advantages:

- Enormous savings in weight! Weight incl. crimping profile inserts only 339 g = 50 % less weight! Thus fatigue-proof crimping, ideal for "Multicrimpers" as switch cabinet- and control system-technicians, industrial fabrication, cable assembling, etc.
- Excellent corrosion protection!
- Antimagnetic, thereby ideal for application in electronics!
- Non-sparking!



With constrained locking for guaranteed optimal crimping results and ratchet-mechanism with toggle joint, all joints mounted in steel bearing bushes for long lifetime (more than 50.000 crimpings!). Crimping profile inserts are easy exchangeable. The crimping pliers SUPER-LIGHT are delivered WITHOUT crimping profile insert. Configure your SUPERLIGHT according to your operating conditions! CIMCO offers for this purpose 15 different crimping profiles for insulated and non insulated cable lugs, wire end ferrules, flat plug connectors, shielded and unshielded modular- and OWG-plugs of different manufacturers. All crimping profile inserts of the single-hand system crimping pliers on page 175 fit.

Crimping pliers frame without crimping profile insert 220 1 10 6150

for insulated and non-insulated wire end ferrules, trapezoid crimping (see also article No. 10 6120)

trapezoid crimping 0,5 - 16 220 1 10 6160

for insulated cable lugs acc. DIN, oval crimping (see also article No. 10 6144)

oval crimping 0,5 - 6 220 1 10 6164

for BNC- / TNC-coaxial plugs (see also article No. 10 6218)

hexagon crimping RG 58/RG 59/RG 62 220 1 10 6168

NEW

10 Positioning tool for LSA-Plus-clamps

Solder-, screw- and stripping-less connecting and automatic cutting off of conductors with 0,5 to 0,8 mm Ø (AWG 24 to 20) to ID terminations in connector boxes and patch panels, professional version with pressure sensor for optimal frictional power, 2 extraction hooks
version ECONOMY



1 11 8017

version KRONE, pressure sensor and cutting-off-function can be turned off

1 11 8018

11 Crimping pliers for coaxial plugs BNC/TNC

ratchet mechanism, toggle joint, with adjustable locking device (pressure point unlocking), for data-plugs to RG 58/ RG 62/RG 174, crimping dimensions: 1,72 mm (0.068") - 4,75 mm (0.187") - 5,41 mm (0.213") - 6,48 mm (0.255")
220 1 10 6138



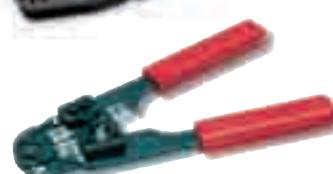
12 Crimping pliers ECONOMY for modular jacks

for unshielded modular plugs, with cutting-off- and stripping-device, interchangeable blade

for modular jacks 4-pole RJ 10 (4P2C) and RJ 14 (4P2C) 1 10 6116

for modular jacks 6-pole RJ 11 (6P4C) and RJ 12 (6P6C) 1 10 6117

for modular jacks 8-pole RJ 45 (8P8C) 1 10 6118



13 Crimping pliers for unshielded modular plugs (modular jacks)

4-, 6- and 8-pole

ratchet automatic with adjustable locking device, cutting-off- and stripping-device, 2-component-handles, for RJ 10 (4P2C and 4P4C), RJ 11 (6P4C), RJ 12 (6P6C), RJ 45 (8P8C)

1 10 6200



14 Crimping pliers for shielded modular plugs 8-pole

ratchet automatic with adjustable locking device, conductor and shielding are pressed in one operation,

for RJ 45 CAT.5 (8P8C)

for plugs type HIROSE 220 1 10 6202

for plugs type CIMCO 220 1 10 6201

for plugs type STEWART STAMPING 220 1 10 6203



15 Crimping pliers for OWG-(fibre optics) plugs

with ratchet automatic and adjustable locking device

round crimping, crimping dimensions: 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"), i.e. for SC-/AMP-SMA-/FC-/PC-plugs
1 10 6156

hexagon crimping, crimping dimensions: 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"), i.e. for 3M-ST-/AT&T-ST-/SMA-plugs
1 10 6158



Crimping pliers set DATA NETWORK STRUCTURED CABLING

Crimping pliers with 7 interchangeable crimping profile inserts for nearly all copper- and glass fibre-based cablings, neatly in handy, impact-resistant plastic case.

Content: body of crimping pliers with ratchet automatic and adjustable locking device

Each time one crimping profile insert for:

Unshielded modular plugs (modular jacks) 8-pole RJ 45 (8P8C), (No. 10 6212)

Shielded modular plugs 8-pole RJ 45 CAT.5 (8P8C) type HIROSE (No. 10 6215)

Shielded modular plugs 8-pole RJ 45 CAT.5 (8P8C) type STEWART STAMPING (No. 10 6216)

Unshielded modular plugs (modular jacks) 6-pole RJ 11 (6P4C), RJ 12 (6P6C) (No. 10 6211)

BNC-/TNC-coaxial plugs RG 58, RG 59, RG 62 (No. 10 6218)

OWG-plugs with round crimping, i.e. for SC-/AMP-SMA-/FC-/PC-plugs (No. 10 6213)

OWG-plugs with hexagon crimping, i.e. for 3M-ST-/AT&T-ST-/Amphenol-SMA-plugs No. 10 6214)

Screwdriver with 1000 V protective insulation for recessed head screws Phillips size PH 2 (No. 11 7732)

1

10 6210



Contact extractor

for damage-free detaching of male and female plug contacts

Expelling outer-Ø inner-Ø

length mm socket mm socket mm

12	2,71	2,15	1	11 8020
12	3,94	3,10	1	11 8022
12	4,12	2,78	1	11 8024



Crimping pliers for coaxial F-type plug connectors (F-connectors)

for installation of SAT-equipment with shielding ratio ≥ 90 dB, for all customary crimp-plug connectors, ratchet automatic, locking device (pressure point unlocking), hexagon crimping 0,1 " (2,54 mm), 0,36 " (9,15 mm) and 0,475" (12,5 mm)

230

1

10 6139



Tool set F-compression plugs

For manufacturing water-proof and therefore weatherproof Coax-connections, specially for cable- and satellite television.

For connections with high mechanical load and excellent copper braid.

Set consisting of:

- Crimping Plier – Article No. 106152

RG 59- and RG 6-Coaxial-Cable, for F-, BNC- and RCA-Plugs, also for right angle plugs and Keystones

- Coax-Cable Stripper – Article No. 120098

For coax-cables (RG 58, RG 59, RG 62, RG 6, RG 9 and other), with 3 interchangeable blades, adjustable depth- and distance-cut

- 20 Pieces F-Compression Plugs

Double protection against humidity because of external sleeve and an internal O-Ring, excellent copper braid and mechanical solidity of the cable connection. Gold-plated.

Tool Set F-Compression Plugs	1	10 6154
Crimping Plier for Compression Plugs	1	10 6152
Coax Cable Stripper	1	12 0098
F-Compression Plugs (Price Unit per 100 pcs.)	10	18 2980



NEW

Cable ring ferrule pliers-assortment

with 4 inserts, crimping inserts for cable eyes (upper and lower stamp)

Inner-Ø For cables For

mm mm² connection

3,3 1,0 M 3

4,3 1,5 M 4

5,3 1,5 M 5

6,4 2,5 M 6

145

1

10 1760



Crimping pliers for insulated cable lugs, with toggle-joint, with ratchet-mechanism and adjustable locking device (pressure point unlocking), double crimping

Crimping pliers

Oval crimping	0,5 - 6	220	1	10 6144
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Oval crimping	0,5 - 6	220	1	10 1916
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Crimping pliers

With cable cutter and stripping device 0,5 - 6 mm²

Oval crimping	0,5 - 6	215	1	10 1900
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Crimping pliers for flat blade connections

Crimping pliers for non insulated flat blade connectors according to DIN 46244 and so on, 2,8 – 4,8 – 6,3 mm plug width

Crimping pliers ECONOMY

With wire- and screw cutter up to M 5, as well as stripping device from 0,75 – 6 mm²,

Crimping of strand and cable insulation takes place in 1 operational step

Rolling crimping	0,5 - 6	220	1	10 1896
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Crimping Tool

Toggle jointed, with ratchet mechanism and adjustable locking device (compression release), double pressing, crimping of conductor and insulation in one step

Roll-crimping	0,5 - 6	220	1	10 6136
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Crimping pliers for non insulated cable lugs (crimp- and pin-type cable lugs)

Crimping pliers

With toggle-joint, with ratchet mechanism and locking device (pressure point unlocking)

Thorn crimping	1,5 - 10	220	1	10 6134
Thorn crimping	0,5 - 16	325	1	10 1909
Thorn crimping	10 - 35	325	1	10 6146



Crimping pliers set STANDARD

Crimping pliers with 4 interchangeable crimping profile inserts for the most usual standard cable connectors, neatly in impact-resistant case

Content: Body of crimping pliers with ratchet automatic and adjustable locking device

Each time one crimping profile insert for:

Insulated and non insulated wire end ferrules from 0,5 to 16 mm², trapezoid crimping, (No. 10 2012)

Insulated cable lugs from 0,5 to 6 mm² (red – blue – yellow), symmetric oval crimping, (No. 10 2004)

Non insulated cable lugs from 1,5 to 10 mm², thorn crimping, (No. 10 2003)

Non insulated cable lugs with open crimping claws from 0,5 to 6 mm², rolling crimping, (No. 10 2002)

Knurled screws for comfortable attaching of inserts by hand

2-component-screwdriver with 1000 Volt-protection-insulated blade, for recessed head screws

PHILLIPS, size PH 2 (No. 11 7732)

1	10 2000
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Crimping pliers for pipe-type cable lugs and connectors “normal version”

Crimping pliers

With toggle-joint, with locking device (pressure point unlocking)

Thorn crimping	0,75 - 16	325	1	10 1902
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1 Crimping pliers

With incorporated, turnable profile discs, with toggle-joint

N.-t. crimping	6 - 50	600	1	10 1870
N.-t. crimping	50 - 120	970	1	10 1872
N.-t. crimping	120 - 240	975	1	10 1874
Hexagon crimping	6 - 50	390	1	10 1882
Hexagon crimping	10 - 120	650	1	10 1880
Hexagon crimping	16 - 95	530	1	10 1884
Hexagon crimping	25 - 150	650	1	10 1885



2 Crimping pliers for crimping-type cable lugs and connectors according to DIN 46235/46267

3 Crimping pliers

With incorporated, turnable profile discs, with toggle-joint

Hexagon crimping	6 - 50	390	1	10 1883
Hexagon crimping	10 - 120	650	1	10 1886
Hexagon crimping	25 - 150	650	1	10 1888



4 Hydraulic pressing tool

5 Hand-hydraulic pressing tool

- For crimping cable lugs and connectors acc. to DIN and normal execution
- For interchangeable dies
- Easy one-hand operation
- Head 360° moveable, nickel-plated, quick open and close system
- Automatic retraction when crimping is finished
- Manual retraction by using the switch for reducing pressure
- Crimping force: 35 kN
- Ambient temperature: - 20° C up to + 40° C
- Dimensions (length x height x depth): 215 x 175 x 50 mm
- Weight: 1370 g
- Scope of supply: Basic tool in plastic case with space for 10 pairs of dies

1 10 5600



6 Crimping inserts for system-crimping pliers No. 10 5600

For pipe-type cable lugs and connectors "normal version"

Hexagon crimping, crimping width 5 mm

6		1 pair	10 5601
10		1 pair	10 5602
16		1 pair	10 5603
25		1 pair	10 5604
35		1 pair	10 5605
50		1 pair	10 5606
70		1 pair	10 5607
95		1 pair	10 5608
120		1 pair	10 5609



For crimping-type cable lugs and crimping connectors DIN 46235 und DIN 46267

Hexagon crimping, crimping width 5 mm

6		1 pair	10 5621
10		1 pair	10 5622
16		1 pair	10 5623
25		1 pair	10 5624
35		1 pair	10 5625
50		1 pair	10 5626
70		1 pair	10 5627



Elektro-hydraulic pressing tool

- For crimping cable lugs and connectors acc. to DIN and normal execution
- For interchangeable dies
- Head 180° moveable, nickel-plated, quick open and close system
- New 2-stage hydraulic for reducing the time of pressure and the current consumption
- Acoustic signal "CLIC" indicates the finished pressing and switches to energy-saving
- New LED-Indicator on both sides of the tool for the battery charge
- Crimping force: 60 kN
- Voltage: 14,4 V
- Capacity: 120 – 210 crimps with new, charged battery 2 h
- Ambient temperature: - 20° C up to + 40° C
- Dimensions (length x height x depth): 240 x 310 x 58 mm (incl. Battery)
- Weight: 4350 g incl. Battery
- Scope of supply: Basic tool incl. Battery and charger, in case



1

10 5800

Crimping inserts for system-crimping pliers No. 10 5800

For pipe-type cable lugs and connectors "normal version"

Hexagon crimping, crimping width 5 mm

6	1 pair	10 5711
10	1 pair	10 5712
16	1 pair	10 5713
25	1 pair	10 5714
35	1 pair	10 5715
50	1 pair	10 5716
70	1 pair	10 5717
95	1 pair	10 5718
120	1 pair	10 5719
150	1 pair	10 5720
185	1 pair	10 5721
240	1 pair	10 5722
300	1 pair	10 5723



For crimping-type cable lugs and crimping connectors DIN 46235/46267

Hexagon crimping, crimping width 5 mm

6	1 pair	10 5730
10	1 pair	10 5731
16	1 pair	10 5732
25	1 pair	10 5733
35	1 pair	10 5734
50	1 pair	10 5735
70	1 pair	10 5736
95	1 pair	10 5737
120	1 pair	10 5738
150	1 pair	10 5739
185	1 pair	10 5740
240	1 pair	10 5741



For crimp-type sockets DIN 46234 and pin-type cable lugs DIN 46230

Thorn crimping

10	1 pair	10 5760
16	1 pair	10 5761
25	1 pair	10 5762
35	1 pair	10 5763
50	1 pair	10 5764
70	1 pair	10 5765



SOLDERLESS AND INSULATED CABLE CONNECTORS, CABLE END-SLEEVES



Solderless cable connectors

- Copper according to DIN EN 13600
- Maximal electrical and mechanical capacity
- Close tolerances due to automate production according to regulations of the automobile industry
- Checked to latest regulations
- Compatible to all standards



Insulated cable connectors

- Copper according to DIN EN 13600
- Excellent insulation guarantees electrical disruptive strength
- Close tolerances due to automate production according to regulations of the automobile industry
- Checked to latest regulations
- Compatible to all standards
- Seam hard soldered, maximal electrical and mechanical capacity



Cable End-Sleeves

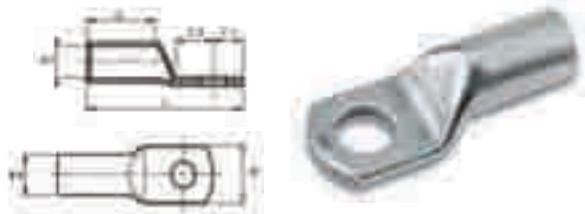
- Copper according to DIN EN 13600
- Excellent insulation guarantees electrical disruptive strength
- Colour Code Identification
- Adapted pressing moulds for thinned and fine stranded conductors according to DIN IEC 228
- Improve the contact in squeezing
- Avoid the splicing of fine stranded conductors

Solderless cable connectors

tubular cable lugs Cu, Standard Type

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated, other surface on demand
- Also available with inspection hole
- Also for fine stranded conductors acc. to IEC 228 Tubular Cable Lugs Cu, Standard type



Conductor diameter (mm) (mm ²)	Bolt ø (mm)	W (mm)	øi (mm)	øe (mm)	C1 (mm)	C2 (mm)	a (mm)	L (mm)	Weight/ 100 p. ~kg	PU/p. 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

Tubular cable Lugs Cu, standard type



Description see previous page

Con-	Bolt ø	W	øi	øe	C1	C2	a	L	Weight/ 100 p. ~kg	PU/p.	Article No.
ductor (mm)	(mm ²)										
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

Tubular angle cable lugs, Standard type 90° and 45° angled

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated, other surface on demand
- Also for fine stranded conductors acc. to IEC 228



90° angle

Con- ductor (mm)	Bolt ø (mm)	Weight/ 100 p. ~kg	PU/p.	Article No.
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

45° angle

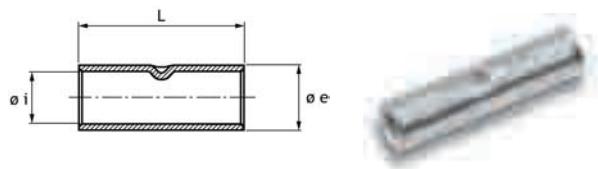
Con- ductor (mm)	Bolt ø (mm)	Weight/ 100 p. ~kg	PU/p.	Article No.
6	5	0,6	100	18 3060
	6	0,59	100	18 3061
	8	0,67	100	18 3062
	10	0,72	100	18 3063
	12	0,77	100	18 3064
10	5	0,6	100	18 3065
	6	0,59	100	18 3066
	8	0,67	100	18 3067
	10	0,72	100	18 3068
	12	0,76	100	18 3069
16	5	1,01	100	18 3070
	6	1	100	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

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1 Butt connectors Cu, Standard type

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated, other surface on demand
- Also for fine stranded conductors acc. to IEC 228

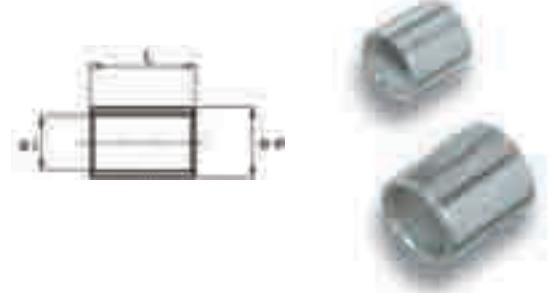


Con- ductor (mm²)	øi	øe	L	Weight/ 100 p. ~kg	PU/p.	Article No.
0,75	1,4	3,2	15,7	0,08	100	18 0900
1,5	1,8	3,3	14,5	0,08	100	18 0902
2,5	2,4	4	14,5	0,11	100	18 0904
4	2,7	5	19	0,25	100	18 0906
6	3,5	6,5	24	0,52	100	18 0908
10	4,5	7	28	0,6	100	18 0910
16	5,5	8,5	34	1,03	100	18 0912
25	7	10	38	1,43	100	18 0914
35	8,5	12	42	2,26	100	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

12 Parallel connectors Cu, Standard type

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated, other surface on demand
- Also for fine stranded conductors acc. to IEC 228



Con- ductor (mm²)	øi	øe	L	Weight/ 100 p. ~kg	PU/p.	Article No.
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

Sleeves for compacted conductors Cu, Standard type

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated
- For compact, stranded conductors for compensating the diameter (only small hexagon crimping)

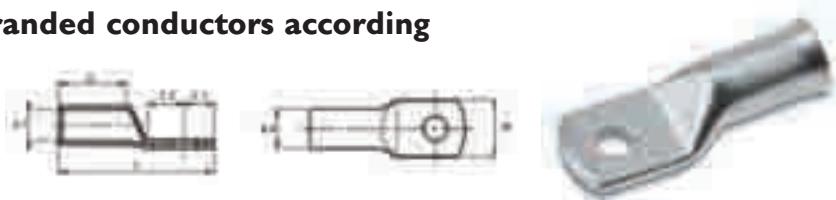


Conductor (mm²)	Length mm	PU/p..	Article No.
16	11	100	18 3400
25	14	100	18 3401
35	15	100	18 3402
50	18	50	18 3403
70	19	50	18 3404
95	21	50	18 3405
120	22	50	18 3406
150	26	25	18 3407
185	26	25	18 3408
240	30	25	18 3409
300	10	10	18 3410
400	10	10	18 3411

Tubular cable lugs Cu, for fine stranded conductors according to DIN 0295 and IEC 228

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- "Easy Entry"
- Surface: tin plated, other surfaces on demand



Conductor (mm²)	Bolt ø (mm)	W	øi	øe	C1	C2	a	L	Weight/ 100 p. ~kg	PU/p. Article No.
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

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Tubular cable lugs Cu, for fine stranded conductors according DIN 0295 and IEC 228



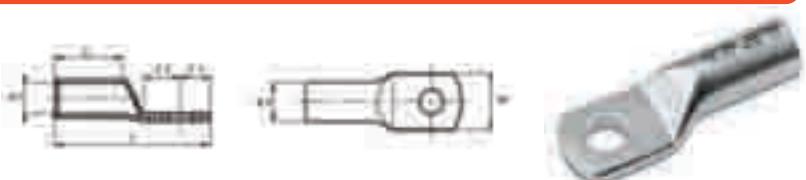
Description see previous page

Conductor size (mm ²)	Bolt ø (mm)	W	øi	øe	C1	C2	a	L	Weight/ 100 p. ~kg	PU/p.	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

Tub. com. cable lugs Cu, DIN 46235

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated, other surfaces on demand
- Especially for fine stranded conductors acc. to IEC 228

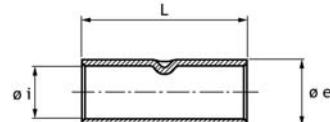


Conductor (mm²)	Bolt ø (mm)	Reference nr.	W	øi	øe	C1	C2	a	L	Weight/100 p. ~kg	PU/p.	Article No.
6	5	5	8,5	3,8	5,5	7	9	11	32	0,34	100	18 3500
	6	5	8,5	3,8	5,5	8,5	9	11	33,5	0,32	100	18 3501
	8	5	13	3,8	5,5	11	9	11	36	0,35	100	18 3570
10	5	6	9	4,5	6	7	11	12	35	0,39	100	18 3502
	6	6	9	4,5	6	8,5	11	12	36,5	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	10	18 3546
	14	28	42	21,5	29	15,5	24	51	108,5	28,7	10	18 3547
	16	28	42	21,5	29	17	24	51	110	28,44	10	18 3548
	20	28	45	21,5	29	20	24	51	113	28,44	10	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

Compression joints Cu, DIN 46267, Part 1

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated, other surfaces on demand
- Especially for fine stranded conductors acc. to IEC 228
- For non-tension connections

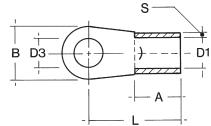


Con- ductor (mm ²)	Reference nr.	Øi	Øe	L	Weight/ 100 p. ~kg	PU/p.	Article No.
6	5	3,8	5,5	31	0,34	100	18 3700
10	6	4,5	6	31	0,34	100	18 3701
16	8	5,5	8,5	51	1,5	100	18 3702
25	10	7	10	51	1,82	50	18 3703
35	12	8,2	12,5	51	3,17	50	18 3704
50	14	10	14,5	57	4,39	50	18 3705
70	16	11,5	16,5	57	5,57	50	18 3706
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

Ring type terminals Cu, DIN 46234

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated, other surfaces on demand
- Especially for fine stranded conductors acc. to IEC 228



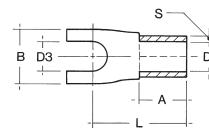
Conductor (mm²)	Bolt ø (mm)	Nenngröße nach DIN	D1	D3	A	B	L	S	Weight/100 p. ~kg	PU/p. Article No.
0,5 - 1	3	3 - 1	1,6	3,2	5	6	11	0,8	0,07	100 18 0400
	4	4 - 1	1,6	4,3	5	8	12	0,8	0,07	100 18 0402
	5	5 - 1	1,6	5,3	5	10	13	0,8	0,07	100 18 0403
1,5 - 2,5	3	3 - 2,5	2,3	3,2	5	6	11	0,8	0,07	100 18 0407
	4	4 - 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 - 2,5	2,3	6,5	5	11	16	0,8	0,11	100 18 0412
4 - 6	8	8 - 2,5	2,3	8,4	5	14	17	0,8	0,13	100 18 0413
	4	4 - 6	3,6	4,3	6	8	14	1	0,14	100 18 0416
	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
10	8	8 - 6	3,6	8,4	6	14	19	1	0,22	100 18 0422
	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 - 16	5,8	5,3	10	11	20	1,2	0,39	100 18 0436
16	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
	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	5 - 25	7,5	5,3	11	12	25	1,5	0,7	100 18 0446
	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
35	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
	6	6 - 35	9	6,5	12	15	26	1,6	1,01	100 18 0458
	8	8 - 35	9	8,4	12	16	26	1,6	0,98	100 18 0460
50	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
	16	16 - 35	9	17	12	28	36	1,6	1,47	100 18 0466
	6	6 - 50	11	6,5	16	18	34	1,8	1,75	100 18 0468
70	8	8 - 50	11	8,4	16	18	34	1,8	1,68	100 18 0470
	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
95	6	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
	12	12 - 70	13	13	18	22	38	2	2,4	100 18 0484
120	16	16 - 70	13	17	18	28	42	2	2,7	100 18 0486
	8	8 - 95	15	8,4	20	24	42	2,5	4,02	100 18 0488
	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
150	16	16 - 95	15	17	20	28	44	2,5	3,7	100 18 0494
	6	6 - 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
185	16	16 - 120	17	17	22	28	48	3	5,8	100 18 0502
	10	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
	16	16 - 150	19	17	24	30	50	3,2	7,5	100 18 0508
240	12	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
	12	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®

Fork type terminals Cu

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated
- Seam hard soldered
- For non-tension connections

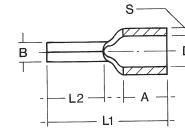


Conductor size (mm²)	Bolt ø (mm)	D1	D3	A	B	L	S	Weight/ 100 p. ~kg	PU/p.	Article No.	
0,5 - 1	3	1,6	3,2	5	5,8	11	0,8	0,06	100	18 0520	
	4	1,6	4,3	5	7	12	0,8	0,07	100	18 0522	
	5	1,6	5,3	5	9,6	13	0,8	0,07	100	18 0524	
1,5 - 2,5	3	2,3	3,2	5	5,8	11	0,8	0,06	100	18 0530	
	4	2,3	4,3	5	7	12	0,8	0,08	100	18 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	
6	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	
	10	5	4,5	5,3	7	10,5	1,1	0,22	100	18 0550	
10	6	4,5	6,5	7	10,5	17	1,1	0,25	100	18 0552	
	16	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

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin plated
- Seam hard soldered
- For non-tension connections



Conductor size (mm²)	Pin ø (mm)	L1	L2	D1	A	B	S	Weight/ 100 p. ~kg	PU/p.	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

Tubular cable lugs assortment

In high-quality **raaco**- assortment box with crimping plier

Content:

255 pcs. assorted:

- each 25 pcs. Tubular Cable Lugs 6 mm², M6
- each 25 pcs. Tubular Cable Lugs 6 mm², M8
- each 25 pcs. Tubular Cable Lugs 10 mm², M6
- each 25 pcs. Tubular Cable Lugs 10 mm², M8
- each 25 pcs. Tubular Cable Lugs 16 mm², M8
- each 25 pcs. Tubular Cable Lugs 25 mm², M8
- each 25 pcs. Tubular Cable Lugs 25 mm², M10
- each 20 pcs. Tubular Cable Lugs 35 mm², M8
- each 20 pcs. Tubular Cable Lugs 35 mm², M10
- each 20 pcs. Tubular Cable Lugs 50 mm², M10
- each 20 pcs. Tubular Cable Lugs 50 mm², M12
- Crimping Plier, 6 – 50 mm², hexagon crimping

Assortment Box with Tubular Cable Lugs

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

18 1545

raaco



Tubular compression cable lugs assortment

In high-quality **raaco**- assortment box with crimping plier

Content:

370 pcs. assorted:

- each 50 pcs. Tubular Cable Lugs 6 mm², M5
- each 50 pcs. Tubular Cable Lugs 6 mm², M6
- each 50 pcs. Tubular Cable Lugs 10 mm², M5
- each 50 pcs. Tubular Cable Lugs 10 mm², M6
- each 25 pcs. Tubular Cable Lugs 16 mm², M8
- each 25 pcs. Tubular Cable Lugs 16 mm², M10
- each 25 pcs. Tubular Cable Lugs 25 mm², M8
- each 25 pcs. Tubular Cable Lugs 25 mm², M10
- each 20 pcs. Tubular Cable Lugs 35 mm², M8
- each 20 pcs. Tubular Cable Lugs 35 mm², M10
- each 15 pcs. Tubular Cable Lugs 50 mm², M10
- each 15 pcs. Tubular Cable Lugs 50 mm², M12
- Crimping Plier, 6 – 50 mm², hexagon crimping

Assortment box with Compression Cable Lugs

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

18 1546

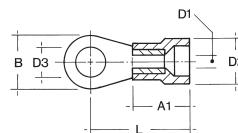
cimco

1 Insulated cable connectors

2 Ring type terminals Cu, DIN 46237, 0,5 - 6 mm²

3 Technical Data:

- 4 • Material: Cu-ETP acc. to DIN EN 13600
- 5 • Surface: tin-plated
- 6 • For non-tension connections
- 7 • Insulation PA, halogen-free
- 8 • Temperature resistant – 60° C up to + 105° C
- 9 • Easy Entry

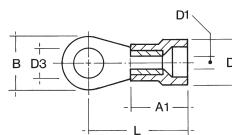


Con-	Bolt ø	Nominal	Insulation	D1	D2	D3	A1	B	L	Weight/	PU/p.	Article No.
ductor	(mm)	size	colour							100 p. ~kg		
0,1 - 0,4	2		yellow	1	3,2	2,3	10,5	5	14	0,02	100	18 0008
	3		yellow	1	3,2	3,2	10,5	5	16	0,03	100	18 0010
	4		yellow	1	3,2	4,3	10,5	6	17	0,04	100	18 0014
	5		yellow	1	3,2	5,3	10,5	8	18	0,05	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

Fork type terminals Cu, insulated, DIN 46237, 0,5 - 6 mm²

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated
- For non-tension connections
- Insulation PA, halogen-free
- Temperature resistant – 60° C up to + 105° C
- Easy Entry

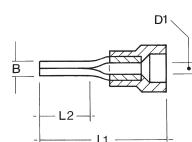


Conductor (mm ²)	Bolt ø (mm)	Nominal size	Insulation colour	D1	D2	D3	A1	B	L	Weight/100 p. ~kg	PU/p.	Article No.
0,1 - 0,4	3		yellow	1	3,2	3,3	10,5	5	16	0,04	100	18 0118
0,5 - 1	3	3 - 1	red	1,6	4,1	3,2	11,5	5,8	16	0,07	100	18 0120
	4	4 - 1	red	1,6	4,1	4,3	11,5	7	17	0,08	100	18 0124
	5	5 - 1	red	1,6	4,1	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
	8		blue	5,8	9,6	8,4	21,5	14	20	0,7	100	18 0176

Pin terminals Cu, insulated, DIN 46231, 0,5 - 6 mm²

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated
- For non-tension connections
- Insulation PA, halogen-free
- Temperature resistant – 60 °C up to +105 °C
- Easy Entry



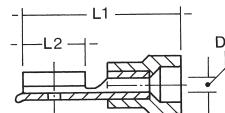
Conductor (mm ²)	Pin Length (mm)	Nominal size	Insulation colour	L1	L2	D1	B	Weight/100 p. ~kg	PU/p.	Article No.
0,1 - 0,4	9		yellow	20	9	1	1	0,05	100	18 0220
0,5 - 1	10	1	red	22	10	1,6	1,9	0,08	100	18 0222
1,5 - 2,5	10	2,5	blue	22	10	2,3	1,9	0,09	100	18 0224
4 - 6	11	6	yellow	27	11	3,6	2,7	0,19	100	18 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

1 Receptacles, insulated, DIN 46245, Part 1-3, and similar versions



Technical Data:

- Material: CuZn (brass)
- Surface: tin-plated
- For non-tension connections with Cu-Inner Sleeve
- Insulation: PA, halogen-free
- Temperature resistant -60 °C up to +105 °C
- Easy Entry

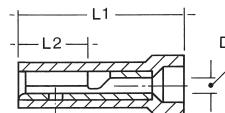


Conductor (mm²)	Tab size (mm)	Nominal size	Insulation colour	L1	L2	D1	Weight/100 p. ~kg	PU/p.	Article No.
0,5 - 1	2,8 x 0,5		red	17,5	8	1,6	0,07	100	18 0250
	2,8 x 0,8		red	17,5	8	1,6	0,07	100	18 0252
	4,8 x 0,5		red	18	6	1,6	0,09	100	18 0254
	4,8 x 0,8	4,8 - 1	red	18	6	1,6	0,09	100	18 0256
	6,3 x 0,8	6,3 - 1	red	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	blue	18	6	2,3	0,09	100	18 0260
	6,3 x 0,8	6,3 - 2,5	blue	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	18 0234
	9,5 x 1,2		yellow	26,5	12	3,6	0,26	100	18 0235

12 Receptacles, fully insulated

Technical Data:

- Material: CuZn (brass)
- Surface: tin-plated
- For non-tension connections with Cu-Inner Sleeve
- Insulation: PA, halogen-free
- Temperature resistant -60° C up to + 105° C
- Easy Entry

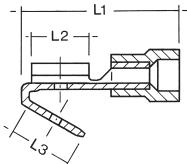


Conductor (mm²)	Tab size (mm)	Insulation colour	L1	L2	D1	Weight/100 p. ~kg	PU/p.	Article No.
0,5 - 1	2,8 x 0,5	red	20	8	1,6	0,08	100	18 0241
	2,8 x 0,8	red	20	8	1,6	0,1	100	18 0243
	4,8 x 0,5	red	18	6	1,6	0,09	100	18 0244
	4,8 x 0,8	red	18	6	1,6	0,09	100	18 0245
	6,3 x 0,8	red	21	7,5	1,6	0,12	100	18 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

Receptacles with branch, insulated

Technical Data:

- Material: CuZn (brass)
- Surface: tin-plated
- For non-tension connections with Cu-Inner Sleeve
- Insulation: PA, halogen-free
- Temperature resistant: - 60° C up to + 105° C
- Easy Entry

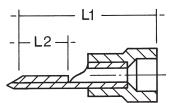


Con- ductor (mm²)	Tab size (mm)	Insulation colour	L1	L2	D1	Weight/ 100 p. ~kg	PU/p.	Article No.
0,5 - 1	6,3 x 0,8	red	22	7,5	8	0,15	100	18 0280
1,5 - 2,5	6,3 x 0,8	blue	22	7,5	8	0,15	100	18 0282
4 - 6	6,3 x 0,8	yellow	25	8	8	0,21	100	18 0284

Tabs, insulated

Technical Data:

- Material: CuZn (brass)
- Surface: tin-plated
- For non-tension connections with Cu-Inner Sleeve
- Insulation: PA, halogen-free
- Temperature resistant: -60 °C up to +105 °C
- Easy Entry

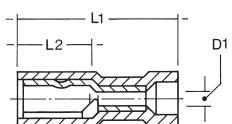


Con- ductor (mm²)	Tab size (mm)	Insulation colour	L1	L2	D1	Weight/ 100 p. ~kg	PU/p.	Article No.
0,5 - 1	2,8 x 0,8	red	14,6	5,5		0,09	100	18 0286
	4,8 x 0,8	red	18,5	6,5		0,08	100	18 0288
	6,3 x 0,8	red	22	7,5		0,1	100	18 0290
1,5 - 2,5	4,8 x 0,8	blue	18,5	6,5		0,09	100	18 0291
	6,3 x 0,8	blue	22	7,5		0,1	100	18 0292
4 - 6	6,3 x 0,8	yellow	22	7,5		0,16	100	18 0294

Pin receptacles, insulated

Technical Data:

- Material: CuZn (brass)
- Surface: tin-plated
- For non-tension connections with Cu-Inner Sleeve
- Insulation: PA, halogen-free
- Temperature resistant: -60 °C up to +105 °C
- Easy Entry



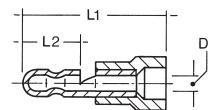
Con- ductor (mm²)	Tab size (mm)	Insulation colour	L1	L2	D1	Weight/ 100 p. ~kg	PU/p.	Article No.
0,5 - 1	4	red	24	13	1,6	0,12	100	18 0310
1,5 - 2,5	5	blue	24	13	2,3	0,15	100	18 0312
4 - 6	5	yellow	24	13	3,6	0,2	100	18 0314



1 Pin connectors, insulated

Technical Data:

- Material: CuZn (brass)
- Surface: tin-plated
- For non-tension connections with Cu-Inner Sleeve
- Insulation: PA, halogen-free
- Temperature resistant: -60 °C up to +105 °C
- Easy Entry

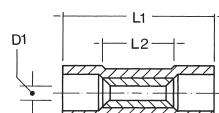


Con-	Tab size	Insulation	L1	L2	D1	Weight/ 100 p. ~kg	PU/p.	Article No.
ductor	(mm)	colour						
0,5 - 1	4	red	23	13	1,6	0,12	100	18 0300
1,5 - 2,5	5	blue	23	13	2,3	0,15	100	18 0302
4 - 6	5	yellow	25	13	3,6	0,2	100	18 0304

2 Parallel connectors, insulated

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated
- For non-tension connections
- Insulation PVC / PE
- Temperature resistant: -40 °C up to +70 °C

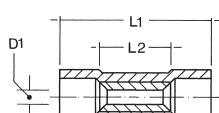


Con-	Insulation	Insulation	L1	L2	D1	Weight/ 100 p. ~kg	PU/p.	Article No.
ductor	material	colour						
0,1 - 0,4	PE	yellow	13	5	1	0,06	100	18 0318
0,5 - 1	PVC	red	18	8	1,6	0,07	100	18 0320
1,5 - 2,5	PVC	blue	19	8	2,3	0,09	100	18 0322
4 - 6	PE	yellow	21	9	3,6	0,14	100	18 0324

3 Button connectors

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated
- For non-tension connections
- Insulation PVC / PE, halogen-free
- Temperature resistant: -40 °C up to +105 °C
- Easy Entry

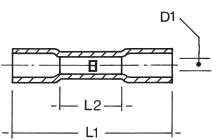


Con-	Insulation	L1	L2	D1	Weight/ 100 p. ~kg	PU/p.	Article No.
ductor	colour						
0,1 - 0,4	yellow	20	11	1	0,04	100	18 0328
0,5 - 1	red	25	15	1,6	0,13	100	18 0330
1,5 - 2,5	blue	25	15	2,3	0,14	100	18 0332
4 - 6	yellow	27	15	3,6	0,24	100	18 0334

Butt connectors with heat shrink insulation

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated
- For non-tension connections
- Insulation Polyolefin with inside coating made of melt-adhesive
- Shrinking temperature: + 150° C
- Temperature resistant: - 10° C up to + 105° C
- After the shrinking the melt-adhesive builds up an insulating, non-ageing, non-tensioning and



Con-	Insulation	L1	L2	D1	Weight/ 100 p. ~kg	PU/p.	Article No.
ductor	colour						
(mm ²)							
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	100	18 0346

Insulated cable lugs assortment

In high-quality **raaco** - assortment box with crimping plier

Content:

135 pcs. assorted

- each 15 pcs. Ring Type Terminals DIN 46237, 0,5 - 1 mm², M4 18 0024
- each 15 pcs. Ring Type Terminals DIN 46237, 1,5 - 2,5 mm², M4 18 0034
- each 15 pcs. Ring Type Terminals DIN 46237, 1,5 - 2,5 mm², M5 18 0036
- each 15 pcs. Ring Type Terminals DIN 46237, 4 - 6 mm², M5 18 0052
- each 15 pcs. Receptacles DIN 46245, 1,5 - 2,5 mm², 6,3 x 0,8 mm 18 0232
- each 15 pcs. Receptacles DIN 46245, 4 - 6 mm², 6,3 x 0,8 mm 18 0234
- 15 pcs. Receptacles with branch, 1,5 - 2,5 mm², 6,3 x 0,8 mm 18 0282
- 15 pcs. Tabs insulated, 1,5 - 2,5 mm², 6,3 x 0,8 mm 18 0292
- 15 pcs. Butt Connectors, insulated, 1,5 - 2,5 mm² 18 0332
- Crimping Plier, 0,5 - 6 mm², oval crimping 10 1892

Assortment box with insulated Cable Lugs 18 1530

raaco



500 pcs. assorted

- each 50 pcs. Ring Type Terminals DIN 46237, 0,5 - 1 mm², M4 18 0024
- each 50 pcs. Ring Type Terminals DIN 46237, 0,5 - 1 mm², M5 18 0026
- each 25 pcs. Ring Type Terminals DIN 46237, 1,5 - 2,5 mm², M5 18 0036
- each 25 pcs. Ring Type Terminals DIN 46237, 4 - 6 mm², M5 18 0052
- each 25 pcs. Fork Type Terminals DIN 46237, 0,5 - 1 mm², M4 18 0124
- each 25 pcs. Fork Type Terminals DIN 46237, 1,5 - 2,5 mm², M5 18 0146
- each 25 pcs. Pin Terminals DIN 46231, 0,5 - 1 mm², 9 mm 18 0222
- each 25 pcs. Pin Terminals DIN 46231, 1,5 - 2,5 mm², 10 mm 18 0224
- each 25 pcs. Receptacles DIN 46245, 0,5 - 1 mm², 6,3 x 0,8 mm 18 0230
- each 25 pcs. Receptacles DIN 46245, 1,5 - 2,5 mm², 6,3 x 0,8 mm 18 0232
- each 20 pcs. Receptacles with branch, 0,5 - 1 mm², 6,3 x 0,8 mm 18 0280
- each 20 pcs. Receptacles with branch, 1,5 - 2,5 mm², 6,3 x 0,8 mm 18 0282
- each 20 pcs. Tabs insulated, 0,5 - 1 mm², 6,3 x 0,8 mm 18 0290
- each 20 pcs. Tabs insulated 1,5 - 2,5 mm², 6,3 x 0,8 mm 18 0292
- each 10 pcs. Pin Connectors, insulated, 0,5 - 1 mm², 4 mm 18 0300
- each 10 pcs. Pin Connectors, insulated, 1,5 - 2,5 mm², 5 mm 18 0302
- each 10 pcs. Pin Receptacles, 0,5 - 1 mm², 4 mm 18 0310
- each 10 pcs. Pin Receptacles, 1,5 - 2,5 mm², 5 mm 18 0312
- 25 pcs. Butt Connectors, 0,5 - 1 mm² 18 0330
- 20 pcs. Butt Connectors, 1,5 - 2,5 mm² 18 0332
- 10 pcs. Butt Connectors, 4 - 6 mm² 18 0334
- Crimping Plier, 0,5 - 6 mm², oval crimping 10 1892

Assortment box with insulated Cable Lugs 18 1540

raaco



cimco

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Cable end-sleeves

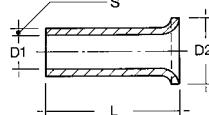
non insulated cable end-sleeves acc. to DIN 46228, part 1 and special dimensions

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated

Conductor (mm ²)	Length (mm)	L	D1	D2	S	Weight/ 100 p. ~kg	PU/p.	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 surface on demand



Insulated cable end-sleeves, strips

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated
- Insulation Polypropylen
- Temperature resistance: -35 °C up to +105 °C

Colour acc. to DIN 46228, Part 4

Conductor (mm) (mm ²)	Length (mm)	Insulation colour	PU/p.	Article No.
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

Colour 1

Conductor (mm) (mm ²)	Length (mm)	Insulation colour	PU/p.	Article No.
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

Colour 2

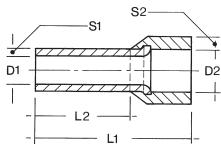
Conductor (mm) (mm ²)	Length (mm)	Insulation colour	PU/p.	Article No.
0,5	14	orange	500	18 4480
0,75	14	white	500	18 4482
1	14	yellow	500	18 4484
1,5	14	red	500	18 4486
2,5	14	blue	400	18 4488



Insulated cable end-sleeves acc. to DIN 46228, part 4 and special dimensions

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated
- Insulation Polypropylen
- Temperature resistance: -35 °C up to +105 °C
- For easy slip-on to fine stranded copper conductors, avoid damage and splicing



Conductor (mm) (mm ²)	Length without Ins. L2	Complete length L1	D1	S1	S2	D2	Insulation colour	Weight/ 100 p. ~kg	PU/p.	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®

1 Insulated cable end-sleeves acc. to DIN 46228,

2 part 4 and special dimensions Description see previous page

3 Con- 4 ductor (mm ²)	5 Length without Ins. L2	6 Complete length L1	7 D1	8 S1	9 S2	10 D2	11 Insulation colour	12 Weight/ 100 p. ~kg	13 PU/p.	14 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	12	22	4,5	0,2	0,4	7,6	red	0,06	100	18 2354
	18	28	4,5	0,2	0,4	7,6		0,08	100	18 2356
16	12	24	5,8	0,2	0,4	8,8	blue	0,08	100	18 2358
	18	28	5,8	0,2	0,4	8,8		0,08	100	18 2360
25	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	30	8,3	0,2	0,4	12,7	red	0,21	50	18 2366
	25	39	8,3	0,2	0,4	12,7		0,22	50	18 2368
50	20	36	10,3	0,3	0,5	15	blue	0,3	50	18 2370
	25	40	10,3	0,3	0,5	15		0,35	50	18 2372
70	21	37	13,5	0,4	0,6	16	yellow	0,67	25	18 2374
95	25	44	14,7	0,4	0,6	18	red	0,67	25	18 2376
120	27	48	16,7	0,45	0,7	20	blue	0,93	25	18 2378
150	32	58	19	0,5	1	23	yellow	1,06	25	18 2380

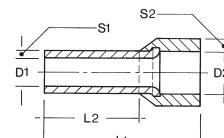


13 Insulated cable end-sleeves acc. to DIN 46228,

14 part 4 and special dimensions

15 Technical Data:

- 16 • Material: Cu-ETP acc. to DIN EN 13600
- 17 • Surface: tin-plated
- 18 • Insulation Polypropylen
- 19 • Temperature resistance: -35 °C up to +105 °C
- 20 • For easy slip-on to fine stranded copper conductors, avoid damage and splicing



21 Con- 22 ductor (mm ²)	23 Length without Ins. L2	24 Complete length L1	25 D1	26 S1	27 S2	28 D2	29 Insulation colour	30 Weight/ 100 p. ~kg	31 PU/p.	32 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
	10	16	1	0,15	0,25	2,6		0,01	100	18 0999
0,75	6	12	1,2	0,15	0,25	2,8	blue	0,01	100	18 0940
	8	14	1,2	0,15	0,25	2,8		0,01	100	18 1000
	10	16	1,2	0,15	0,25	2,8		0,01	100	18 1001
	12	18	1,2	0,15	0,25	2,8		0,01	100	18 0942
1	6	12	1,4	0,15	0,25	3	red	0,01	100	18 0944
	8	14	1,4	0,15	0,25	3		0,01	100	18 1002
	10	16	1,4	0,15	0,25	3		0,01	100	18 1003
	12	18	1,4	0,15	0,25	3		0,02	100	18 0946
1,5	8	14	1,7	0,15	0,25	3,5	black	0,01	100	18 1004
	10	16	1,7	0,15	0,25	3,5		0,01	100	18 0948
	12	18	1,7	0,15	0,25	3,5		0,02	100	18 0949
	18	24	1,7	0,15	0,25	3,5		0,02	100	18 1005
2,5	8	15	2,2	0,15	0,25	4,2	grey	0,02	100	18 1006
	12	18	2,2	0,15	0,25	4,2		0,03	100	18 0950
	18	25	2,2	0,15	0,25	4,2		0,03	100	18 1007

Insulated cable end-sleeves acc. to DIN 46228, part 4 and special dimensions

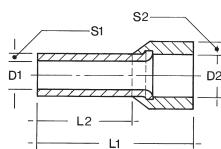
Description see previous page

4	10	17	2,8	0,2	0,3	4,8	orange	0,03	100	18 1008
	12	20	2,8	0,2	0,3	4,8		0,03	100	18 0952
	18	26	2,8	0,2	0,3	4,8		0,04	100	18 1009
6	12	20	3,5	0,2	0,3	6,3	green	0,06	100	18 1010
	18	26	3,5	0,2	0,3	6,3		0,06	100	18 1012
10	12	22	4,5	0,2	0,3	7,6	brown	0,06	100	18 1014
	18	28	4,5	0,2	0,3	7,6		0,08	100	18 1016
16	12	24	5,8	0,2	0,4	8,8	ivory	0,08	100	18 1018
	18	28	5,8	0,2	0,4	8,8		0,08	100	18 1020
25	16	30	7,3	0,2	0,4	11,2	black	0,13	50	18 1022
	22	36	7,3	0,2	0,4	11,2		0,16	50	18 1023

Insulated cable end-sleeves, dimensions acc. to DIN 46228, part 4, colour 2

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated
- Insulation Polypropylen
- Temperature resistance: -35 °C up to +105 °C
- For easy slip-on to fine stranded copper conductors, avoid damage and splicing



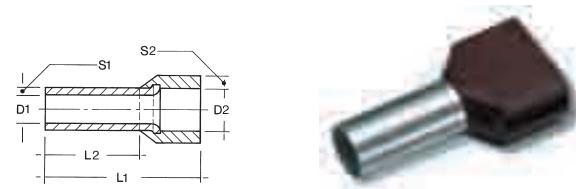
Conductor (mm ²)	Length without Ins. L2	Complete length L1	D1	S1	S2	D2	Insulation colour	Weight/ 100 p. ~kg	PU/p.	Article No.
0,25	6	10	0,8	0,15	0,25	1,8	light blue	0,01	100	18 2188
	8	12	0,8	0,15	0,25	1,8		0,01	100	18 2190
0,34	6	10	0,9	0,15	0,25	2	turquoise	0,01	100	18 2192
	8	12	0,9	0,15	0,25	2		0,01	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
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	oliv	0,35	50	18 2226
	25	40	10,3	0,3	0,5	15		0,35	50	18 2227

cimco®

1 Insulated twin cable end-sleeves

Technical Data:

- Material: Cu-ETP acc. to DIN EN 13600
- Surface: tin-plated
- Insulation Polypropylen
- Temperature resistance: -35° C up to +105° C
- For easy slip-on fine stranded copper conductors, avoid damage and splicing



Colour acc. to DIN 46228, Part 4

Con- ductor (mm ²)	Length without Ins.	Length L2	Complete length L1	D1	S1	S2	D2	Insulation colour	Weight/ 100 p. ~kg	PU/p.	Article No.
2 x 0,5	8	15	1,5	0,15	0,25	2,5		white	0,03	100	18 2460
2 x 0,75	8	15	1,8	0,15	0,25	2,8		grey	0,03	100	18 2462
	10	17	1,8	0,15	0,25	2,8			0,03	100	18 2464
2 x 1	8	15	2	0,15	0,25	3,4		red	0,04	100	18 2466
	10	17	2	0,15	0,25	3,4			0,04	100	18 2468
2 x 1,5	8	16	2,3	0,15	0,25	3,6		black	0,02	100	18 2470
	12	20	2,3	0,15	0,25	3,6			0,03	100	18 2472
2 x 2,5	10	18,5	2,9	0,2	0,25	4,2		blue	0,07	100	18 2474
	13	21,5	2,9	0,2	0,25	4,2			0,08	100	18 2476
2 x 4	12	23	3,8	0,2	0,3	4,9		grey	0,11	100	18 2478
2 x 6	14	26	4,9	0,2	0,3	5,9		yellow	0,09	100	18 2480
2 x 10	14	26	6,5	0,2	0,4	7,2		red	0,13	100	18 2482
2 x 16	14	30	8,3	0,2	0,4	9,6		blue	0,13	100	18 2484
Colour 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	100	18 2422
2 x 16	14	30	8,3	0,2	0,4	9,6		ivory	0,13	100	18 2424
Colour 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

Assortment of non-insulated cable end-sleeves

In pocket boxes, 3000 pieces assorted

Contents:

- 1000 pcs. 0,50 mm² 6 mm length
- 500 pcs. 0,75 mm² 6 mm length
- 500 pcs. 1 mm² 6 mm length
- 500 pcs. 1,50 mm² 7 mm length
- 500 pcs. 2,50 mm² 7 mm length

Pocket box with non-insulated cable end-sleeves

18 1520



raaco

in **raaco** - assortment box PSC-Vario 240, with crimping plier No. 101906, 3500 pieces assorted

Contents:

- 1000 pcs. 0,75 mm² 6 mm length
- 1000 pcs. 1 mm² 6 mm length
- 750 pcs. 1,50 mm² 7 mm length
- 750 pcs. 2,50 mm² 7 mm length

Assortment box with non-insulated cable end-sleeves

18 1510



raaco

in **raaco** - assortment box PSC-Vario 340, with universal crimping tool No. 101906, 4350 pieces assorted

Contents:

- 1000 pcs. 1 mm² 6 mm length
- 1000 pcs. 1,50 mm² 7 mm length
- 1000 pcs. 2,50 mm² 7 mm length
- 500 pcs. 4 mm² 9 mm length
- 500 pcs. 6 mm² 12 mm length
- 250 pcs. 10 mm² 18 mm length
- 100 pcs. 16 mm² 18 mm length

Assortment box with non-insulated cable end-sleeves

18 1512



raaco

Assortment of insulated cable end-sleeves

400 pieces in pocket box, stackable

Contents:

- 50 pcs. 0,5 mm² 8 mm length
- 100 pcs. 0,75 mm² 8 mm length
- 100 pcs. 1 mm² 8 mm length
- 100 pcs. 1,5 mm² 8 mm length
- 50 pcs. 2,5 mm² 8 mm length

Colour 1

18 1502

Colour 2

18 1503

Colour DIN

18 1504

100 pieces in pocket box, stackable

Contents:

- 50 pcs. 4 mm² 10 mm length
- 20 pcs. 6 mm² 12 mm length
- 20 pcs. 10 mm² 12 mm length
- 10 pcs. 16 mm² 12 mm length

Colour 1

18 1505

Colour 2

18 1506

Colour DIN

19 1507



cimco

1 Modular connectors

For telecommunications and data-networks, quality-plug for at least 500 insertion/withdrawal cycles, contacts with 50 µ inch (1,27 µm) plated gold, housing made of flame resistant polycarbonate, tensile strength cable to plug at least 89 N.

2 Unshielded modular connectors (at least Cat.3)

Applicable for flat and round cables

For flexible conductors

Indication	quantity of positions	quantity of contacts		
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 massive conductors

Indication	quantity of positions	quantity of contacts		
RJ 45	8	8	50	18 3010



8 Shielded modular connectors (at least Cat.5e)

Applicable for round cables, including with 1 threading comb per connector for problem-free inserting of conductors in accurate crimping position, to be pressed with CIMCO-pressing pliers Nr. 10 6201,

for flexible conductors and massive conductors

Indication	quantity of positions	quantity of contacts		
RJ 45	8	8	50	18 3012



11 Antikink-bushes for modular connectors

hinged and to be reopened for anytime, also subsequently assembling on and removing from connector, for shielded and unshielded modular connectors 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



16 Tool set F-compression plugs

For manufacturing water-proof and therefore weatherproof Coax-connections, specially for cable- and satellite television.
For connections with high mechanical load and excellent copper braid.

F-Compression Plugs (Price Unit per 100 pcs.)

10 18 2980



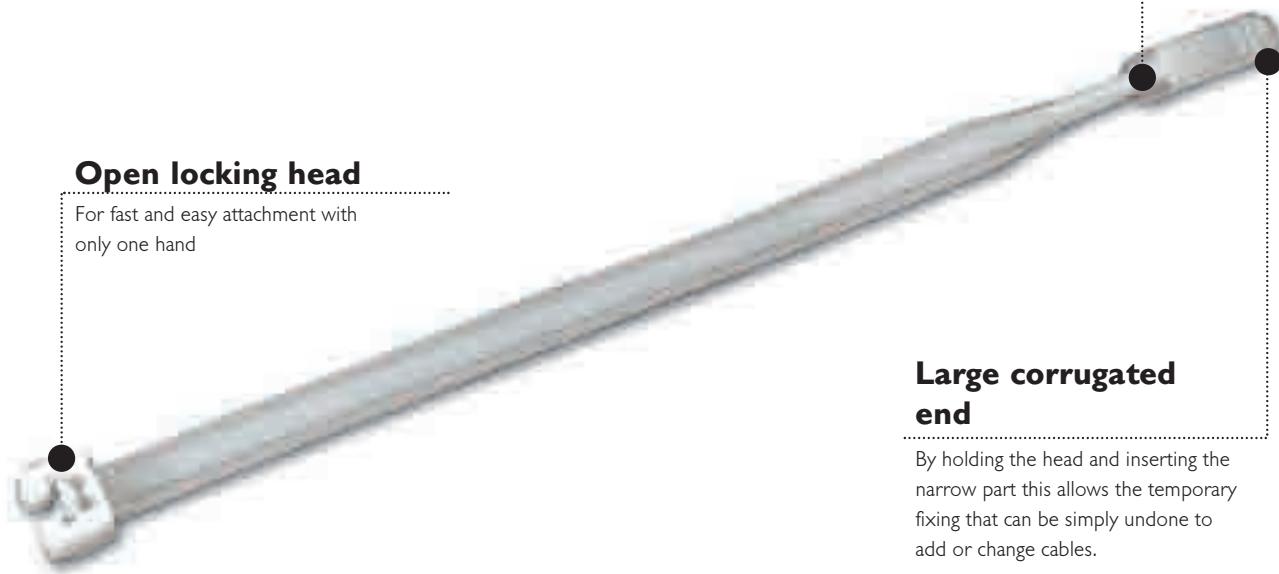
16 NEW

CABLE TIES



Pre-Lock-system

For practically pre-locking the cable tie



Q-tie cable ties with Pre-lock- Temporary locking

Innovative, patented cable tie with open locking head, which offers a series of application advantages in comparison with traditional cable ties:

"Pre-Lock"-System

For provisional pre-locking of cable tie. With the larger Q-tie cable tie dimensions (from tie width 4,7 mm) the handle bracket can be inserted to the open locking head and the tie can be closed temporarily, but also be opened again at any time, before it is permanently locked. This is advantageous during pre-assembly of bunched cables, if looms of cables must be positioned or additional cables be pulled in.

Simple can be fixed blind!

Conventional cable ties with closed head are difficult to attach in awkward or blind spot applications. Q-tie can be installed "blind" without viewing the mounting point and in only one operational step without inconvenient threading and changing of grip – an advantage especially at narrow, difficult to access and dark mounting positions.

Ergonomic design

Safe and ergonomic mounting due to open locking head and large, corrugated end.

High load-carrying ability

All Q-tie cable ties with Pre-Lock-system (from tie width 4,7 mm) have, despite open locking head, the same size and strength as conventional cable ties, with 2 integrated guiding bars averts deforming under tensile stress. The guiding bars, under increasing stress, press deeper into the locking grooves, providing a strong locked cable tie.

Raw material

Pure polyamide 6.6 without any percentage of recycling material, halogen- and silicone-free, flame-retardant and self-extinguishing, continuous operation temperature range - 40°C to +85°C.

Approvals and certifications:

Certification by Underwriters Laboratories, flame class UL 94-V2.

Also the Q-tie cable ties fulfil as the only cable ties with open head the stringent specifications of the European norm DIN EN 50146 ("cable ties in electrical installations") as well as the European directive LVD 73/23ECC – 93/68/EEG (CE-marking), are WEEE- resp. RoHS-conform and are approved according to VDE (REG.-Nr. 7977) as well as military standard Deutsche Verteidigungsgerätenorm VG 95 387-4.



By holding the head and inserting the narrow part with allows the temporary fixing that can be simply undone to add or change cables. Pulling in of strap through the locking head and therewith safe blocking with the integrated locking element.

Q-tie cable ties with Pre-lock- Temporary locking (see also previous page)

Width Length Cable form- Minim. tensile
mm mm Ø mm strength (N)

natural-coloured, for indoor application

2,6	105	2 - 24	80	200	25 1042
	155	2 - 40		200	25 1044
	195	2 - 50		200	25 1046
3,6	160	3 - 38	130	100	25 1018
	200	3 - 50		100	25 1019
	250	3 - 65		100	25 1020
	300	3 - 82		100	25 1021

Q-tie cable ties from tie width 4,7 mm with Pre-Lock pre-latching system

4,7	210	5 - 50	220	100	25 1023
	290	5 - 75		100	25 1024
	410	5 - 110		100	25 1025
7,7	300	6 - 70	530	100	25 1026
	420	6 - 110		100	25 1027
	520	6 - 145		100	25 1028

black, with enhanced UV-protection, weatherproof, for indoor and outdoor application

2,6	105	2 - 24	80	200	25 1041
	155	2 - 40		200	25 1043
	195	2 - 50		200	25 1045
3,6	160	3 - 38	130	100	25 1004
	200	3 - 50		100	25 1005
	250	3 - 65		100	25 1006
	300	3 - 82		100	25 1007

Q-tie cable ties from tie width 4,7 mm with Pre-Lock pre-latching system

4,7	210	5 - 50	220	100	25 1009
	290	5 - 75		100	25 1010
	410	5 - 110		100	25 1011
7,7	300	6 - 70	530	100	25 1012
	420	6 - 110		100	25 1013
	520	6 - 145		100	25 1014

Q-tie cable tie test-package

Check out the advantages of Q-tie cable ties by yourself!

Set-content: Q-tie cable ties natural-coloured with the dimensions (width x length) 200 pieces 2,6 mm x 105 mm, bundle-diameter 2 to 24 mm, 100 pieces 3,6 x 160 mm, bundle-diameter 3 to 38 mm, 100 pieces 4,7 mm x 210 mm, bundle-diameter 5 to 50 mm, 100 pieces 7,7 mm x 300 mm, bundle-diameter 6 to 70 mm, 100 pieces mounting sockets for cable ties, natural coloured socket dimensions 20 x 20 mm. self-adhesive and screw-on, for cable ties up to 3,6 mm width

1 set 25 1000

Cable tie – lettering plate

Combination-lettering plate for Q-tie cable ties, width 4,7 mm, made of PE. Big lettering-space even for small cable ties, (parallel to the bundle) safe fixing and variable bundle-diameter. Quick and easy mounting, for labels or laser lettering (only the yellow ones)

Width x Height mm

white	70 x 116		100	25 2000
	70 x 40		100	25 2002
	100 x 65		50	25 2004
yellow	70 x 16		100	25 2100
	70 x 40		100	25 2102
	100 x 65		50	25 2104

Like before, but crossed to the bundle (90° turned) and for cable ties width 3,6 mm

Width x Height mm

white	70 x 40		100	25 2010
yellow	70 x 40		100	25 2110

Cable ties

Basic material:

Pure polyamide 6.6 (PA, 6.6, Nylon) without any percentage of recycling material, raw materials exclusively 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 temperature + 260 °C, halogen-free, silicone-free, non-toxic, food-safe according to recommendation "X" (10) BGA of the Federal Agency of Health, not conductive, high abrasion resistance, low frictional drag, shock-resistant, recyclable. Black cable ties keep the humidity of the synthetic material, because of that no embrittlement, hardening or fragility will occur. Black cable ties are therefore outdoor- and weatherproof for at least two years.

Chemical resistance:

Proof against oils, petroleum products (i.e. gasoline, kerosene, lipids and lubricants), hydrocarbons (i.e. ethanol, acetone), cleansing and solutizing agents, alkalines, mould, salt water. Conditional proof among others against highly diluted acids. Not proof among others against carbolic acids, oxidizing chemicals, formic acid, phosphoric acid, chlorine, chloric acids (i.e. hydrochloric acid, butyric acid), benzoic acid, mineral acids.

Conditions of use and application:

Mounting temperature (during assemblage) -10 °C to +80 °C, temperature of continued use (after assemblage) -40 °C to +105 °C, possible change of length according to temperature (between -20 °C and +100 °C) maximally +/- 1,5%, according to relative humidity of air (between 25% and 100%) maximally +/- 3%, no change of length due to aging, if cable ties are not loaded.

Advices for storage of cable ties:

To avoid desiccation leave cable ties in the sealed packages until use, storage in cool, not particularly dry rooms, distant from sources of heat. Natural coloured cable ties could discolour yellowish because of temperature-dependent oxidation. Properties of use are not affected.

Packaging:

Package made of synthetic transparent foil, 100 % recyclable, air-sealed bonded.

Approvals and certifications:

Products are according to ISO EN 50146, IEC-standard IEC 92-101, nonflammability according to UL 94-V2, "Yellow Card"-certification by Underwriters Laboratories Inc., self-extinguishing according to UL 94, flame class 94V-2, self-extinguishing according to ISO 1210, flame class FV-2, minimum-tie-off-resistance according to MIL-S-23190 E.

natural-coloured

Width mm	Length mm	Cable form- ∅ mm	Minimum tensile strength kp	N	
2,5	75	2 - 16	9	88	100 18 1360
	100	2 - 24			100 18 1361
	135	2 - 35			100 18 1362
	160	2 - 42			100 18 1402
	200	2 - 55			100 18 1363
3,5	140	2,5 - 36	18	176	100 18 1364
	200	2,5 - 55			100 18 1404
	280	2,5 - 80			100 18 1378
4,5	160	2,5 - 40	22	216	100 18 1365
	180	3 - 45			100 18 1366
	200	3 - 51			100 18 1367
	250	5 - 70			100 18 1379
	280	5 - 76			100 18 1368
	360	5 - 101			100 18 1369
	380	5 - 110			100 18 1408
7,5	180	5 - 46	60	588	100 18 1371
	240	5 - 64			100 18 1372
	280	5 - 76			100 18 1377
	360	5 - 101			100 18 1373
	450	18 - 132			100 18 1374
	540	20 - 160			100 18 1375
	750	32 - 222			100 18 1376
9,0	780	20 - 235	80	784	50 18 1390
	920	40 - 280			50 18 1391
	1220	50 - 375			50 18 1394
12,5	500	10 - 140	110	1080	50 18 1392
	750	40 - 225			50 18 1393
	1000	40 - 300			50 18 1395



UNDERWRITERS
LABORATORIES INC.



GERMANISCHER
LLOYD



ISO EN 50146



	Dimension mm					Nº
	Width mm	Length mm	Cable form- ø mm	Minimum tensile strength kp N		
1	2,5	75	2 - 16	9 88	100	18 1860
2		100	2 - 24		100	18 1861
3		135	2 - 35		100	18 1862
4		160	2 - 42		100	18 1802
5		200	2 - 55		100	18 1863
6	3,5	140	2,5 - 36	18 176	100	18 1864
7		200	2,5 - 55		100	18 1804
8		280	2,5 - 80		100	18 1878
9	4,5	160	2,5 - 40	22 216	100	18 1865
10		180	3 - 45		100	18 1866
11		200	3 - 51		100	18 1867
12		250	5 - 70		100	18 1879
13		280	5 - 76		100	18 1868
14		360	5 - 101		100	18 1869
15	7,5	180	5 - 46	60 588	100	18 1871
16		240	5 - 64		100	18 1872
17		280	5 - 76		100	18 1877
18		360	5 - 101		100	18 1873
19		450	18 - 132		100	18 1874
20		540	20 - 160		100	18 1875
21		750	32 - 222		100	18 1876
22	9,0	780	20 - 235	80 784	50	18 1890
23		920	40 - 280		50	18 1891
24		1220	50 - 375		50	18 1894
25	12,5	500	10 - 140	110 1080	50	18 1892
26		750	40 - 225		50	18 1893
		1000	40 - 300		50	18 1895



Re-openable cable ties

Made of polyamide 6.6, after opening re-useable at any time, simple opening of notch by finger pressing.

	Width mm	Length mm	bundle- ø mm	Minimum tensile strength (kp)		
13	natural coloured					
14	7,5	200	bis 50	36	100	18 1490
15		280	bis 76	36	100	18 1491
16		360	bis 100	36	100	18 1492
17	black (RAL 9011) = weatherproof type, UV-resistant					
18	7,5	200	bis 50	36	100	18 1495
19		280	bis 76	36	100	18 1496
20		360	bis 100	36	100	18 1497



Coloured cable ties

For marking and signing

	Width mm	Length mm	bundle - ø mm	Minimum tensile strength kp N		
18	red (RAL 3000)					
19	2,5	100	2 - 24	9 88	100	18 1450
20	3,5	140	2,5 - 36	18 176	100	18 1452
21	4,5	200	3 - 51	22 216	100	18 1454
22		280	5 - 76		100	18 1456
23	blue (RAL 5002)					
24	2,5	100	2 - 24	9 88	100	18 1460
25	3,5	140	2,5 - 36	18 176	100	18 1462
26	4,5	200	3 - 51	22 216	100	18 1464
		280	5 - 76		100	18 1466
210	green (RAL 6024)					
211	2,5	100	2 - 24	9 88	100	18 1470
212	3,5	140	2,5 - 36	18 176	100	18 1472
213	4,5	200	3 - 51	22 216	100	18 1474
		280	5 - 76		100	18 1476
214	yellow (RAL 1021)					
215	2,5	100	2 - 24	9 88	100	18 1480
216	3,5	140	2,5 - 36	18 176	100	18 1482
217	4,5	200	3 - 51	22 216	100	18 1484
		280	5 - 76		100	18 1486



Other colours on demand, please ask for minimum order quantity, price and time of delivery

	Dimension mm					Nº
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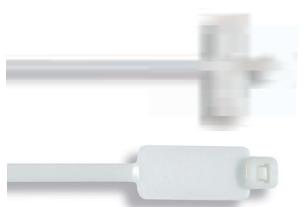
cimco®

Cable ties with identification tag

Made of polyamide 6.6, natural coloured

For cable form- Size of identification

Ø mm	tag 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 are printed according to customer requirements, also with logo, consecutive number and variable printing colour. For special signing, registering and marking of cables, devices and many other parts, also for locking and sealing of packagings, envelopes, sacks and so on. For application in electrical engineering, mechanical engineering, vehicle construction, logistics, foodstuff and pharmaceutical industry, administrations etc. For cable ties of any length with at least 1 mm thickness, minimum order quantity per printing order 30.000 pieces cable ties. We gladly advise you for technical details and questions of transaction, delivery times, prices and so on.



Clip-on cable-ties

Cable ties made of polyamide 6.6, black, self-extinguishing according to UL 94 V-2, with push-mount head for fast and safe installation in drilled holes (approx. 5 mm Ø) by pressing in, fixing and bundling of cables in one operation, especially applicable for the automobile industry, motor construction as well as aerospace industry.

Width mm	Length mm	Cable form- Ø mm	Minimum tensile strength kp	N		
3,5	140	max. 32	18	176	100	18 1850



Cable ties with steel tooth

Made of polyamide 6.6, with non-corrosive, antimagnetic stainless steel tooth
natural coloured

Width mm	Length mm	Cable form- Ø mm	Minimum tensile strength kp	N		
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	203	6 - 50	55	540	50	18 1346
	338	6 - 90			50	18 1347
	762	6 - 229			50	18 1348



black

Width mm	Length mm	Cable form- Ø mm	Minimum tensile strength kp	N		
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	203	6 - 50	55	540	50	18 1746
	338	6 - 90			50	18 1747
	762	6 - 229			50	18 1748

Packing units of 1000 pieces on demand

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1 Heat-resistant cable ties

By special additives in basic material permanently thermally stable cable ties up to +130 °C, other properties similar to standard cable ties, basic material pure polyamide 6.6 without recycling components, colour: pale green

Width mm	Length mm	Cable form- ø mm	Minimum tensile strength kp	N		No
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



5 UV- and cold-resistant cable ties

Standard cable ties become brittle during permanent UV-radiation and the influence of low temperatures. After a while they tear with steady load. Using additional special carbons the lifetime of UV-resistant cable ties nearly increases tenfold, up to 10 years in proper use. Moreover they are cold-resistant up to -40 °C. Therefore these cable ties are perfectly suitable in outdoor-appliances and with constantly low temperature. Inflammability according to UL 94 HB, colour: black (RAL 9011)

Width mm	Length mm	Cable form- ø mm	Minimum tensile strength kp	N		No
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



11 Flame retardant, self-extinguishing cable ties

To be used in operative ranges with particular requirements on flammability. Nonflammability according to UL 94 V0: the flame retardant material will not burn longer than 10 seconds and will not set underlying, flammable materials on fire. Free from halogen, temperature range -20 °C to +80 °C. Colour: milky-white.

Width mm	Length mm	Cable form- ø mm	Minimum tensile strength kp	N		No
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



15 TEFZEL® - cable ties

Made of ethylene-tetrafluoroethylene-copolymer. Very high resistance to UV-radiation, radioactivity and many aggressive chemicals (acids, bases, oxidants, solutions of metallic salts, oils, lipids), weatherproof, does not absorb water, stable at heat and flame retardant (UL 94 V0), operating temperature -50 °C to +155 °C, perfect ties for the use in nuclear power plants, the chemical industry, refineries and others.

Width mm	Length mm	Cable form- ø mm	Minimum tensile strength kp	N		No
4,8	186	46	100		100	18 1487
	360	104	100		100	18 1488
7,0	338	85	320		50	18 1489



Mounting sockets for cable ties

natural coloured

Fixing	Dimensions mm	For cable ties up to max. width	For screws up to Ø mm		
Screw	20 x 10	4,8	4	100	18 1380
adhesive (self-adhesive) + screw	19 x 19	3,6	4	100	18 1382
adhesive (self-adhesive) + screw	27 x 27	4,8	4	100	18 1384
Screw	23 x 15	9,0	4	100	18 1389



Cable clips

Suitable for fixing and removing one or more tubes, circular cables and cords with various diameters at any time.

Especially made for laying cables on very smooth surfaces and on difficult accessible places, on which standard mounting sockets/cable ties are not suitable. Made of polyamide 6.6, natural coloured, self-extinguishing according to UL 94 V-2, self-adhesive.

Black coloured type available on demand.

Length mm	Width mm	height mm	max. Cable Ø mm		
19	19	10	5	100	18 1381
26	26	13	10	100	18 1383
26	26	18	15	100	18 1385



Cable tie holders with plug

For fixing cables, looms of cables, pipes and so on on walling, for drilling holes with a diameter of 7 to 8 mm, a screw-on head allows simple adjustment of height and aligning of holder, distance between cable and wall approximately 12 mm

for cable ties up to 9 mm width	10 x 13	100	18 1386
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Spiral strips

For bundling and protecting cables during assembly, in electrical engineering industry, cabinet manufacturing and plant engineering and construction. For bundling and laying cables, cords, cable forms and wire bundles. Also applicable for the protection of cables against abrasion or other damages and stiffening of looms of cables. No scrap of material because of individual cut to size. Good matching with varying diameters of bundles, re-openable and reusable. By winding the spiral strips with a distance, the consumption of material is minimized, the flexibility of bundles is optimized and the junction of one or more cables is possible on any place. Perfectly suitable for retrofitting of bundles. Made of polyethylene (PE), thermal stability from -20 °C to +65 °C, free of halogen. Each time 1 roll = 10 m of length.

Bundle Ø mm	Width of helix mm	Outside Ø mm		
Natural coloured				
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



Processing tool for cable ties made of plastics

pistol shape, for cable ties 2,2 mm up to 4,8 mm width, tension adjustable up to max. 12 kg, with automatic cutter, weight 303 g

adjustable	175 mm	1	10 1930
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NEW
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26



Cable Ties Tensioning and Cutting Tool HEAVY DUTY

Made of sheet steel, for cable ties from 2,3 up to 9,5 mm width, with integrated cutter, weight 320 g

Large version

195 mm

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10 1931



Cable-fast bundler

For fast and stable bundling and for mechanical protection of cables and cord branches especially in the electrical industry, electrical installation, cable manufacturing, switch cabinet mounting, but also for Home Office-applications and audio-/TV-/telecommunications-equipment at home.

Towards conventional spiral strips notable time savings are achieved during assembly. The cable-fast bundler is not time-consuming wrapped round, but works according to zip-principle: cables are simply inserted in a supplied threading tool and so fast as lightning and safe inducted to the fast-bundler

The special recess profile of the fast-bundler allows the leading out of single cords on every desired place and gives high flexibility with contemporary confirmed and safe covering to the cable branch.

Made of polypropylene, halogen-free, operating temperature -30 °C to +100 °C, length per roll 3 meter.

Colour Bundle ø mm

natural col.	8	1 role	18 6320
	15	1 role	18 6322
	20	1 role	18 6324
black	8	1 role	18 6330
	15	1 role	18 6332
	20	1 role	18 6334



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Steel cable ties

Made of high-grade steel 316 (DIN 1.4401), with spherical closure, non-corrosive and radiation resistant, antimagnetic, extremely resistant against high temperatures (steel -80 °C to +538 °C) and aggressive chemicals, thickness of steel 0,25 mm, special certification UL. To be used in mechanical engineering, automotive industry, shipping-, mining-, chemical- and food industry, as well as in power plants, subways, buildings, cabinets, on offshore platforms and so on

Width mm	Length mm	Cable form ø mm	Minimum tensile strength kp	N		
4,6	100	20	56	550	100	18 6000
	125	27			100	18 6001
	150	44			100	18 6002
	200	50			100	18 6003
	290	75			100	18 6004
	360	102			100	18 6005
	520	152			25	18 6006
7,9	200	50	122	1200	100	18 6010
	290	75			100	18 6011
	360	102			100	18 6012
	520	152			25	18 6013
	680	203			25	18 6014
	840	254			25	18 6015
	1000	318			25	18 6016
12,0	290	75	224	2200	25	18 6020
	360	102			25	18 6021
	520	152			25	18 6022
	680	203			25	18 6023
	840	254			25	18 6024
	1000	318			25	18 6025



with cable-protective coating made of epoxy resin-polyester, halogen free, black

Width mm	Length mm	Cable form ø mm	Minimum tensile strength kp	N		
4,6	100	20	56	550	100	18 6100
	150	44			100	18 6102
	200	50			100	18 6103
	290	75			100	18 6104
	360	102			100	18 6105
	520	152			25	18 6106
7,9	200	50	122	1200	100	18 6110
	290	75			100	18 6111
	360	102			100	18 6112
	520	152			25	18 6113
	680	203			25	18 6114
	840	254			25	18 6115
	1000	318			25	18 6116
12,0	290	75	224	2200	25	18 6120
	360	102			25	18 6121
	520	152			25	18 6122
	680	203			25	18 6123
	840	254			25	18 6124
	1000	318			25	18 6125



Tension tool

Made of steel, to tense steel cable ties with a width up to 12 mm, also with cable-protective coating, with turning cutter for flashless tape cutting.

Length mm		1	10 1935
205		1	10 1935



Cable ties with velcro fastening (velcro-tape cable ties and holding-strips)

fields of application:

bundling, mounting, fixing and others. Especially appropriate for sensitive cables (computer networks, telecommunication, optical waveguides) and if ties have to be closed and opened often (pre-assembly of cable forms).

special advantages:

soft, flexible surface with minimum pressure on cable bundles, no unintentional damage caused by sharp or hard edges, fits tightly within the hole periphery of bundle, velcro fastening sticks to any position, easy closing and opening, fast mounting without any tool, high tensile load and shear strength, adjustable, reusable many times, low wear and long lifetime, durable, not bleaching colours, washable, light-fast, UV-resistant and fast to perspiration, water- and salt water-resistant and, no waste during use, various sizes.



Velcro fastening cable tie belt with plastic eyelet

made of woven polyamide, two-coloured (red/black) for simple application, no velcro fastening at the end of belt for easy opening, to be opened up to 10.000 times, tensile strength 260 N/cm, thickness about 2 mm. (minimum tensile strength requires at least 50 mm overlap)

Width	Length	Tensile strength		
mm	mm	N		
25	240	280	10	18 1900
25	300	280	10	18 1902
25	360	280	10	18 1904

Velcro fastening cable tie

made of black, extruded polyamide-velour-laminate, thickness about 1,4 mm, self-adhesive back to back, useable about 200 times. Except of standard colour black, white, red, blue, green and yellow cable ties are available.



velcro fastening cable tie with latchet, cut to size for standard applications of electric installation

Width	Length	Tensile strength		
mm	mm	N		
13	200	300	25	18 1910
20	200	380	25	18 1912
25	300	460	25	18 1914

rolls of velcro fastening cable tie, role 25 m length for individual cut to size

Width	Length	Tensile strength		
mm	m	N		
13	25	300	1 role	18 1920
16	25	340	1 role	18 1922
20	25	380	1 role	18 1924
25	25	460	1 role	18 1926
30	25	550	1 role	18 1928



Markings

Self-laminate cable marker

Cable marker for easy, quick and durable cable marking.

Clear PV 006, self-adhesive non-rigid-pvc-folio, 0,08 mm thick. Protects the lettering field against mechanical influences.

The marker has a patented transparent part, a white lettering field, and a transparent protecting part.

Temperature resistant from -30 °C up to +120 °C, sticks durable, highly UV resistant, resistant against dirt, water, alcohol, oil on petroleum base. Can be signed by pencil, ballpoint pen, printer and so on.

Pocket-Packaging

Lettering field mm	Maximum cable ø mm	Pieces per packaging	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
bend					
10 x 23	7	40	38	10	18 2656
25 x 23	14	20	75	10	18 2658



NEW

Labels for handwriting

Self-adhesive, fillable labels made of yellow textile for marking electrical installations, material, stock or articles.

Easy to write on with pencil, ballpoint pen and typewriter.

Self-adhesive textile, dipped in PVC, yellow with black edge, 0,15 mm thick. Temperature resistant from -30 °C up to +80 °C, excellent holding power and non-ageing.

Pieces per card	Measurements mm		
40	11 x 19	10	18 2660
20	25 x 38	10	18 2662



NEW

Testing Badges

Testing badges are used concerning quality safety according to DIN ISO 9000 (and following), as well as for the legal checking regulations and prevention of accidents. This concerns especially the supervision of testing devices, implements and installations, as well as important main conductors (cable, pipes).

There are two possibilities to fix the testing badges: directly on the tested implement or on one of the offered testing badges, which is stucked on the implement. The testing date can be marked with a pencil or with the puncher.

The testing badges have a forgery-proof document folio, that means when trying to remove the badge, it will be completely destroyed.

Characteristics of the document folio:

The document folio can be labelled with pencil, ballpoint pen, felt-tip pen or typewriter. It is 0,05 mm thick and temperature resistant from -30 °C up to +80 °C. The adhesive power is higher than the folio's tearproof. It is tearing when removing it and is nearly non-aging, weather proofed and UV resistant. In addition it is resistant against water, salt water, alcohol, aliphatic solvent as well as oil and fat on petroleum base.

Ø mm	Piece per card		
red "flash" 15	10	10	18 2670
yellow "flash" 15	10	1	18 2672
blue "09" 20	8	10	18 2679
yellow "10" 20	8	10	18 2680
red "11" 20	8	10	18 2681



NEW

Ticket Punches

For punching paper and for thin plastics

Throat depth 30 mm

round blank mm ø	120	10	10 1650
▲ 1 ▀ 2 ▾ 3 ▲ 4 ▾ 5 ▲ 6 ▾ 7 ▲ 8 ▾ 9 ▲ 10 ▾ 11 ▲ 12 ▾ 13 ▲ 14 ▾ 15 ▲ 16 ▾ 17 ▲ 18 ▾ 19		1	10 1656



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Basic Badges

The self-adhesive basic badges consist of white plastic folio that can be labelled and stucked several times. Adheres perfect on clean surfaces and will be destroyed when removing it. The document folio is resistant against water, aliphatic solvent as well as oil and fat on petroleum base.

Pieces per card	Measurements mm		
25	92 x 40	1	18 2690



Conductor Labels

The self-adhesive folio labels for marking blank and insulated conductors, housing, switch cupboards and implements are available in various sizes, on cards for quick and easy sticking. The symbols are according to DIN 40 009, DIN 40 011 and IEC. Material: self-adhesive PVC-folio, 0,10 mm thick.

Temperature resistant from -30 °C up to +100 °C, dirt resistant, sticks durable. ø mm: 12,5

Pieces per card				
Outer conductor 1, black	10	10	18 2620	L1
Outer conductor 2, black	10	10	18 2622	L2
Outer conductor 3, black	10	10	18 2624	L3
Neutral conductor N, blue	10	10	18 2626	N
Safety cond. PE, green-yellow	10	10	18 2628	PE
Neutr. cond. protecting function	10	10	18 2630	PN
Earth	10	10	18 2632	⊕
Earth, not acc. to DIN 40 011	10	10	18 2634	⊖



SCREWS

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All-purpose screws

The range has increased to include screws for TORX®-tools. The advantages are: less expenditure of force – higher safety – long lifetime

TORX® is a registered trademark of CAMCAR/TEXTRON Inc., Rockford, Ill., USA.



All-purpose screws

Particle board screws, yellow zinced, countersunk head with Pozidriv -cross recession

∅ mm	Length mm	For cross recession Pozidriv size		
3,0	16	1	200	19 0005
	20	1	200	19 0006
3,5	15 (Geräteschraube)	2	200	19 0014
	20	2	200	19 0015
	25 (Geräteschraube)	2	200	19 0016
	30	2	200	19 0017
	40 (Geräteschraube)	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

**All-purpose screws**

Particle board screws, yellow zinced, button head (Pan-Head) with Pozidriv -cross recession

∅ mm	Length mm	For cross recession Pozidriv size		
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



All-purpose screws

Particle board screws, steel hardened, zinced, button head (Pan-Head) with internal serration drive for TORX®-tools

Ø mm	Length mm	For TORX®-drive		No
3,0	20	T 10	200	19 1201
3,5	16	T 10	200	19 1205
	20	T 10	200	19 1206
	30	T 10	200	19 1208
	40	T 10	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



All-purpose screws

Particle board screws, steel hardened, zinced, countersunk head with internal serration drive for TORX®-tools

Ø mm	Length mm	For TORX®-drive		No
3,0	16	T 10	200	19 1500
	20	T 10	200	19 1501
3,5	25	T 10	200	19 1507
	30	T 10	200	19 1508
	40	T 10	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



Hexagon-wood screws (hexagon head cap wood screws)

According to DIN 571, zinced, general requirements according to DIN 267 part 1

Ø mm	Length mm	For hexagon wrench size		No
6,0	40	SW 10	50	19 0210
	60	SW 10	25	19 0211
	80	SW 10	25	19 0212
8,0	50	SW 13	50	19 0222
	60	SW 13	25	19 0223
	80	SW 13	25	19 0224
	100	SW 13	25	19 0225
	120	SW 13	25	19 0226
10,0	60	SW 17	10	19 0235
	80	SW 17	10	19 0236
	100	SW 17	10	19 0237
	120	SW 17	10	19 0238



	Dimension mm		Nº
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Sheet metal screws (drilling screws)

According to DIN 7504M (formerly N), self-drilling, steel hardened, zinced, button head (cheese head) with Phillips-cross recession, sheet metal thread according to DIN 7970

For cross recession				
∅ mm	Length mm	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



Tallow-drop sheet metal screws

According to ISO 7049, EN 27049 resp. DIN 7981, form H with peak, zinced, tallow-drop with Phillips-cross recession

For cross recession				
∅ mm	Length mm	Phillips size		
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



Wood screws

According to DIN 96, zinced, button head (Pan-Head) with slot

For flat-blade screwdrivers
slot dimension (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



Machine hexagon screws

According to DIN 933, with thread to the head, steel hardened, galvanic zinced, quality 8,8

Length mm

M 4	20	SW 7	100	19 0500
	30	SW 7	100	19 0504
	40	SW 7	100	19 0506
M 5	10	SW 8	100	19 0514
	16	SW 8	100	19 0516
	25	SW 8	100	19 0520
	35	SW 8	100	19 0522
	45	SW 8	100	19 0524
	60	SW 8	100	19 0528
M 6	10	SW 10	100	19 0535
	16	SW 10	100	19 0538
	25	SW 10	100	19 0542
	35	SW 10	100	19 0545
	45	SW 10	100	19 0547
M 8	20	SW 13	100	19 0562
	25	SW 13	100	19 0564
	30	SW 13	100	19 0566
	35	SW 13	100	19 0567
	40	SW 13	100	19 0568
	50	SW 13	100	19 0570
	60	SW 13	100	19 0572
M 10	20	SW 17	100	19 0588
	30	SW 17	100	19 0592
	40	SW 17	100	19 0594
	50	SW 17	50	19 0596
	70	SW 17	25	19 0600
M 12	25	SW 19	50	19 0614
	30	SW 19	50	19 0616
	40	SW 19	50	19 0618
	50	SW 19	50	19 0620
	60	SW 19	50	19 0622



Dimension mm



Nº

Cap screws

According to ISO 1207, EN 21207 resp. DIN 84, form A, with slot, made of steel hardened, galvanic zinced, quality 4,8

ø mm	Length mm	slot dimension (mm)		
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
M 5	40	7,0 x 1,2	100	19 0839
	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
M 6	30	8,5 x 1,2	100	19 0867
	40	8,5 x 1,2	100	19 0869
	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
M 8	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
	30	13,0 x 2,0	50	19 0908
	40	13,0 x 2,0	50	19 0910

**Set screws (threaded bolts)**

According to DIN 976, steel, zinced, 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	

**Hexagon nuts**

According to ISO 4032, EN 24032 resp. DIN 934, steel zinced, quality 7

ø mm	For hexagon wrenches-size			
M 3	SW 5,5	100	19 2000	
M 4	SW 7	100	19 2001	
M 5	SW 8	100	19 2002	
M 6	SW 10	100	19 2003	
M 8	SW 13	100	19 2005	
M 10	SW 17	100	19 2006	
M 12	SW 19	50	19 2007	

**Washers**

According to ISO 7089, EN 27089 resp. DIN 123, form A without chamfer, steel zinced

For screws	Inner ø mm	outer 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



Dimension mm



Nº

Washers

According to ISO 7093, EN 27093 resp. DIN 9021N (fender washers), steel, zinced, outer diameter = about 3 x thread-diameter

For screws	Inner ø mm	outer 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



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Serrated lock washers

According to DIN 6798, form A, external teeth, steel zinced

For screws	Inner ø mm	outer 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



Split washers

According to DIN 127, Form A- (bent up), spring steel galvanic zinced, steel

For screws	outer 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-SHRINK TUBES

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Quality

technical adhesive tapes from CIMCO offer constant good performance characteristics in processing as well as in long-term continuous operation.



Diversity

Especially for uses in electrical industry and trade the assortment contains most diverse adhesive tapes for different purposes.

Standardization

CIMCO-adhesive tapes comply the requirements of DIN EN 60454 resp. mostly exceed them.

PVC-adhesive tapes

Universal-insulating tapes

Description:

PVC-film, one-sided coated with non-corrosive, pressure-sensitive gum-adhesive.

Characteristics:

Flame-retarding, self-extinguishing, good electrical and mechanical properties, water-, weather- and UV-resistant, silicone-free. Certificated according to EN 60454 – part 2

Typical fields of application:

Allround-adhesive tape in very good quality for bundling, normal insulating, coloured marking (i.e. protective conductor in green-yellow) and strengthening, ideal for many electrical installation and reparation workings.

black	15	10	120	16 0100
white			120	16 0101
grey			120	16 0102
yellow			120	16 0103
blue			120	16 0104
red			120	16 0105
violet			120	16 0106
green			120	16 0107
brown			120	16 0108
green-yellow			120	16 0109
black	15	20	60	16 0110
white			60	16 0111
grey			60	16 0112
yellow			60	16 0113
blue			60	16 0114
red			60	16 0115
violet			60	16 0116
green			60	16 0117
brown			60	16 0118
green-yellow			60	16 0119
black	19	20	48	16 0130
white			48	16 0131
grey			48	16 0132
yellow			48	16 0133
blue			48	16 0134
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
green			36	16 0147
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 colours assorted	15	10	100	16 0000



1 Insulating tapes for phasing identification

Description:

PVC-film, one-sided coated with non-corrosive, pressure-sensitive gum-adhesive.

Characteristics:

Black with white imprint L1, L2 and L3, blue with white imprint N.

Typical fields of application:

Electro-adhesive tapes for insulation and marking of conductor phases of multiwire 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-parts, L1, L2, L3, N	15	10	1	16 0205



2 High-performance-electro-insulating tape for high temperatures, VDE

Description:

PVC-film, one-sided coated with non-corrosive, pressure-sensitive gum-adhesive.

Characteristics:

Very good resistance to high temperatures up to + 105 °C, flame-retarding, self-extinguishing, UV- and weather-resistant, VDE-approved

Typical fields of application:

Insulating and repair workings in indoor- and outdoor-area, esp. for use with constantly high temperatures, i.e. cable wrappings in motors and in car body areas, winding of cable forms in cars, washing machines, dishwashers, for general thermal insulation, for bundling and strengthening as mechanical protection.

black	19	33	48	16 0250
black	25	33	36	16 0252



3 All-weather-High-performance-electro-insulating tape

Description:

PVC-film, one-sided coated with non-corrosive, pressure-sensitive gum-adhesive.

Characteristics:

Extraordinary resistance and processing even at low temperatures (down to -20 °C), flame-retardant, self-extinguishing, UV- and weather-resistant.

Typical fields of application:

Insulating and repair workings in indoor- and outdoor-area, esp. for open-air-applications with extreme weather conditions, most of all at low temperatures and strong variation in temperature, sealing and connecting of medium voltage cables, insulation and sealing of cooling chambers, general thermal insulation

black	19	20	48	16 0260
black	25	20	36	16 0262



4 High-performance-electro-insulating tape for special mechanical stress

Description:

PVC-film, one-sided coated with non-corrosive, pressure-sensitive gum-adhesive.

Characteristics :

Specially thick and dense premium tape, flame-retardant, self-extinguishing, manually and mechanically workable.

Typical fields of application:

For high-grade insulations in electrical and telecommunication applications, practical for smaller reparations of cable coatings, for insulating bare conductor rails, sleeves and splicings, wrapping tape for degaussers, for insulation workings with enhanced requirements on mechanical strain

black	25	48	32	16 0270
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Corrosion protection-tapes

Description:

Extra-thick PVC-film, one-sided coated with non-corrosive, aggressive adhesive.

Characteristics:

Highly hard-wearing PVC-adhesive tapes with high abrasion resistance, UV-resistance and water-resistance (even salt water), proof against alkaline solutions and many acids, micro organisms, bitumen-compatible

Typical fields of application:

As outside wrapping for additional protection against wearout by abrasion, influence of weather and corrosion, therefore extension of lifetime and minimization of frequently service workings. Examples: As stone chip-, kick- and scratch-protection on open layed and buried cables, pipes and connecting parts of cables and tubings, corrosion-protection of open layed cables and cords (i.e. on ships, in wet surroundings, in chemical industry), brilliant mechanical and corrosion protection for installation pipes and poles, which are buried, base protection for domestic appliances (washing machines, dishwashers, freezer cabinets).

Tape thickness 0,25 mm, for strong load

silver-coloured	50	33	18	16 0280
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Tape thickness 0,44 mm, for outstanding powerful strain

black	50	33	18	16 0282
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Self-bonding insulating tapes

Cable-grouting-tape / Insulation luting

Beschreibung:

Cold-bonding insulation tape based on butyl rubber, furnished with an easily deductible plastic partition layer.

Characteristics :

Bonds after processing to an air-tight and waterproof layer under soft tensile stress, individually mouldable, permanently elastic, compatible to all materials for coatings, stays flexible even at temperatures well below 0 °C, very good dielectric properties, weather-proof and durable.

Typical fields of application:

For the fast, low-cost composition resp. recreation of an insulation, esp. repairing damaged cable coatings, is manufactured to complete installation systems in conjunction with other insulation tapes (i.e. ending wrapping with PVC-insulating tape), for temporary closing of sleeves, upholstering of cable clamps, use as dust- and corrosion-protection, i.e. against influence of moisture on cable endings, usable in outdoor- and indoor-area.

black, 1 mm thick	38	10	30	16 2800
black, 2 mm thick	38	5	24	16 2810
black, 3 mm thick	38	1,5	24	16 2820



Self-bonding high-voltage-insulating tape

Beschreibung:

Cold-bonding insulation tape made of polyisobutylene, furnished with an easily deductible plastic partition layer.

Characteristics :

Bonds after processing to an air-tight and waterproof rubber-layer under soft tensile stress, extremely dilatable (elongation at tear 600%) and flexible, permanently elastic, compatible to all materials for insulations and coatings, wide range of application temperatures, very good electrical properties (esp. dielectric strength), ozone-, weather-proof and durable.

Typical fields of application:

Ideal for sealing, splicing, insulating and repairing of current-carrying cables, mainly for voltage-insulation of power cables up to 35 kV, very good repairing properties even on heavy rubber-hose-conductors, for water-proof sealing of electric junctions and connections (i.e. TV-satellite-antennas), for fixing cables in outdoor-areas, corrosion-protection of metal parts, outstanding applicable even for emergency reparations of coolers, water- and motor-tubes, vacuum-cleaner-tubes, sinks and downpipes.

black	19	10	42	16 2840
	25	10	36	16 2841



1 Self-bonding insulating tape for extreme temperatures

Description:

Cold-bonding insulation tape made of polyethylene, furnished with an easily deductible plastic partition layer.

Characteristics:

Bonds after processing to a solid air-tight and waterproof mass under soft tensile stress, extremely dilatable (elongation at tear 600%) and flexible, permanently elastic, compatible to all materials for insulations and coatings, exceptional wide range of application temperatures, very good electrical properties (esp. dielectric strength), ozone-, weather-proof and durable. Brilliant resistance to alkaline solutions, hydraulic fluids and other chemicals.

Typical fields of application:

Application ranges as high-voltage-insulating tape No. 16 2840 – 16 2841, but additionally exceeding reliability against very high and very low temperatures (-95 °C - +95 °C, short-term up to +130 °C) as well as many chemicals, for ambitious insulating workings up to 40 kV and for the conversation of chemical resistance at raised temperatures.

black	19	10	42	16 2830
	25	10	36	16 2831



8 Tissue-adhesive tapes

9 Universal-quality-tissue tape

Description:

Extruded tissue tape, on one side laminated with waterproof polyethylene coating, on the other side coated with an aggressive, non-corrosive pressure-sensitive adhesive.

Characteristics:

Matt, waterproof and weather-resistant furniture, very good inscribable with pencil, ball pen, permanent marker, marker and etching pen, printable, widely resistant to many chemicals, insensitive to softening agents and oil vapors, very good electrical properties, to be easily and especially exact stripped off manual.

Typical fields of application:

Universal tissue-adhesive tape for crafts and industry: Coloured signing and marking of cables, electric components, pipes and conduits, inscribing of cabinets, distributions, patches, for bundling, fixing, saving and strengthening cables and pipes, for masking during painting and laquering workings.

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



Universal-quality-tissue tape

Continuation of page 230

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



Glass-fibre-tissue adhesive tapes

Description:

Woven adhesive tapes based on glass-fibres, one-sided coated with adhesive.

Characteristics:

Thermal stability: Glass fibre tissue tapes are especially developed for purposes needing a high temperature-resistance. Also they have a very high mechanical strength (tear strength 280 N/10mm, ultimate elongation 5 %) as well as good resistance to aging.

Typical fields of application:

Insulation of highly heat radiating components as well as heat-protective wrapping of coils, flat conductors in servomotors, generators and others, pressing wrapping for coils and armature windings as well as wrappings of outer wire layers, fixing of temperature sensors.

Glass-fibre-tissue tape 130

Coated with heat-hardening rubber adhesive, permanent heat-resistant up to 130 °C

white	12	55	24	16 2500
	19	55	16	16 2501

Glass-fibre-tissue tape 155

Coated with acrylic adhesive, permanent heat-resistant up to 155 °C

white	12	55	24	16 2510
	19	55	16	16 2511
	25	55	12	16 2512



Glass-fibre-tissue tape 180

Coated with heat-hardening silicone-adhesive, permanent heat-resistant up to 180 °C

white	12	33	24	16 2520
	19	33	16	16 2521
	25	33	12	16 2522



Special-adhesive tapes

Aluminium-film-adhesive tape

Description:

Aluminium film, 40 µm (0,04 mm) thick, one-sided coated with pressure-sensitive acrylic adhesive.

The tape is equipped with strong, poly-ethylene-coated anti-adhesive paper.

Characteristics:

Heat-radiation, reflection of light, moisture-resistance, very low water-permeability (vapour seal).

Typical fields of application:

Heat-protection of electronic appliances, electromagnetical fields-shielding of electronic devices, sealing of cooling-insulations, interface-conglutination of aluminium-film bordered insulation mats and heat insulation boards made of rock wool or fibres, sealing of plastic or metal ducts, applications with tightened requirements of preventive fire protection, i.e. flame-protection wrapping in cable mounting.

silver-coloured	50	50	24	16 2900
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1 Filament-adhesive tape with grid-thread-strengthening

Description:

Carrying layer made of polypropylene, strengthened with continuous, lengthwise and crossways nylon-filaments, one-sided coated with rubber adhesive.

Characteristics:

Extraordinary resistance to abrasion, very tearproof (lengthwise and crossways), no collateral roving, strong immediate adhesion.

Typical fields of application:

Bundling and pulling through of cables and looms of cables, highly confirmed package tape for closing and strengthening even of heavy packages, i.e. of cardboxes and cartons, strapping of heavy packets and other goods, securing by revenue stamp of plastic and metal pipes, metal pins and so on

Transparent	50	50	18	16 2950
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2 Double-sided adhesive foam tape

Description:

Closed-cell polyethylene-foam, both-sided coated with adhesive based on acrylic, equipped with anti-adhesive paper.

Characteristics:

Brilliant resistance to pressure, easily mouldable, very good resistance to UV, ageing, dampness, oils, solvents and softeners, strong instant adhesion.

Typical fields of application:

Practical for manifold, even vertical heavy-load-mountings in indoor- and outdoor-area instead of riveted joints, screwed joints and liquid adhesives, especially good for conglutinatings even on inelastic materials with unsteady, crude surface (wood, brickwork, concrete, paintings): surface-mounting of conduits, cable clips, switch-cabinets, applying of emblems, displays and signs, even made of and on plastics, shock-resistant and vibration reduced soft storage of assembly groups (i.e. circuit boards, switchboards, fittings), effective reduction of sound transmission (rattle-protection), form-fit sealings against dust, water, damp, wind and light, even for closing air exits for saving energy.

white	15	33	20	16 2861
	19	33	16	16 2862
	25	33	12	16 2863



3 paper-masking tape

flatcrepe paper-masking tape with a thickness of 0,16 mm. Mid-range adhesive power by rubber-based adhesive.

Practicable for indoor-area.

Characteristics:

High tearing resistance of about 114 N/25 mm and average adhesive power of 6,2 N/25 mm. Heat-resistance up to max. 85 °C for 1 h. Because of crepe very adaptive to different surfaces and radii.

Typical fields of application:

Masking of surfaces while painting and lacquering.

beige	19	50	1	16 0302
	25	50	1	16 0304
	38	50	1	16 0306
	50	50	1	16 0308

adhesive tape type	can be written on
from order no. to order no:	removable
Tape thickness (mm)	easily removable
Elongation to tearing / breaking (N/mm)	easy to unroll
(Ohm/25 mm width)	conformable
Insulation resistance (%)	ageing-resistance
Adherence to steel (N/10mm)	abrasion resistance
Dielectric specific tape dimensions	Resistance to chemicals
as regards to tape backing (N/10MM)	Resistance-resistant
Working temperature (°C)	Ozone-resistant
Frame temperature	UV-resistant
Flame resistance (°C)	corrosive-resistance
Water-proof	salt-water-proof
Temperature-resistance (°C)	water-resistant (flame-extinguishing)
Resistance to chemicals	flame-resistance (self-extinguishing)
Abrasion resistance	corrosion-resistant
Conformable	UV-resistant
Ageing-resistance	ozone-resistant
Easy to unroll	resistant
Removable	removable
Easily removable	can be written on

PVC-insulating adhesive tapes																	
16 0000 - 16 0170	0,13	26	180	1×10^{11}	2,4	2,1	8	-5	+70	0	+40	●	●	●	●	●	●
16 0201 - 16 0204	0,18	40	250	5×10^{13}	2,3	1,7	10	-5	+70	0	+40	●	●	●	●	●	+
16 0250 - 16 0252	0,15	25	150	1×10^{11}	3,0	2,6	9,5	-5	+105	0	+40	●	●	●	●	●	+
16 0260 - 16 0262	0,19	30	200	5×10^{13}	2,2	2,0	10	-20	+105	-10	+40	●	●	●	●	●	+
16 0270	0,23	55	300	5×10^{13}	2,5	2,0	10	-5	+70	+10	+40	●	●	●	●	●	++
16 0280	0,25	44	220		3,3	3,0	10	-5	+80	+5	+40	●	●	●	●	●	++
16 0282	0,44	90	200		3,0	2,6	12	+5	+80	+5	+40	●	●	●	●	●	+++
Self-fusing tapes																	
16 2800 - 16 2801	1				-	-	16/mm	-30	+80	0	+40	●	●	●	●	○	● ● ● ●
16 2810	2				-	-	16/mm	-30	+80	0	+40	●	●	●	●	○	● ● ● ●
16 2820	3			2×10^{10}	-	-	16/mm	-30	+80	0	+40	●	●	●	●	○	● ● ● ●
16 2840 - 16 2841	0,5	12	600	1×10^{13}	-	-	40/mm	-95	+95	0	+40	●	●	●	●	●	● ● ●
16 2830 - 16 2831	0,5	20	600	1×10^{15}	-	-	35/mm	-40	+90	0	+10	●	●	●	●	○	● ● ●
Fabric adhesive tapes																	
16 2100 - 16 2156	0,33	85	8		4,0	2,2	3	-50	+80	+10	+45	●	●			+	● ● ● ● ●
16 2500 - 16 2501	0,18	280	5	1×10^{12}	4,0		2,5	0	+130	+10	+10	●					●
16 2510 - 16 2512	0,18	280	5	1×10^{12}	3,5		2,5	0	+155	+10	+10	●					●
16 2520 - 16 2522	0,18	280	5	1×10^{15}	3,0		2,5	0	+180	+10	+40	●	●	●	●		●
Special adhesive tapes																	
16 2900	0,08	22	5		3,8	3,8		-20	+110	0	+40	●	●	●			● ●
16 2950	0,13	280	10		8,0			0	+80	+10	+25	●	●			+++	● ● ●
16 2861 - 16 2863	0,85	11	300		10,0	10,0		-10	+100	+10	+40	●	●	●			● ● ●
16 0302 - 16 0308	0,16	45	10		2,5			+5	+85	+5	+25	○					● ● ● ● ●

● = yes

O = partially

+ = good

++ = very good

+++ = excellent

1 Heat-shrink tubes

Made of homogeneous polyolefin, thermally stable, radiation cross-linked, with extraordinary mechanical strength, chemical resistance and electrical properties:

2 Important mechanical features of performance (typical measured values):

Tensile strength 14,8 MPa/min (N/mm²), tensile strength after aging by heat 14,5 MPa/min (N/mm²), elongation at tear 460 %, elongation at tear after aging by heat (168 h at + 158 °C) 480%, heat shock (4 h at + 250 °C) 8 % with complete shrinking, cold shock (1 h at - 30 °C) no break. Permanent working temperature - 55 °C to + 125 °C. Very good ability to imprint with heat-seal-, inkjet- and offset-printing.

3 Important chemical features of performance:

Very good UV-light-, ozone- and salt water-resistance, good resistance to usual chemicals (cleaning and solution agents, weak acids and bases, fuels, oils), resistance to fungoid growth and rottenness (rate 1 according to ISO 846 method A).

The heat shrink tubes are free of asbestos, azo-compounds, formaldehydes, silicone.

The heat-shrink tubes are self-retardant according to UL 224 VW-1. Burning will not release tetrachlorodibenzo-p-dioxine. The products are not corrosive (copper-friendly) and suitable to all usual materials of cable insulations as plastics, rubber, gum, lead, steel, aluminium, silicone etc.



4 Important electrical features of performance:

Dielectric strength 17 kV/mm (version green-yellow 15 kV/m), specific electrical resistance $1 \times 10^{15} \Omega/\text{cm}$ (version yellow-green $1 \times 10^{14} \Omega/\text{cm}$).

Additional detailed mechanical, chemical and electrical product data as well as an overview about approbations and certifications of several testing institutes in form of our technical data sheets on demand.

Detailed dimensions of the individual types and seizes of the CIMCO-heat-shrink tube-assortment, see page 238.

5 Processing advices:

- Heat-shrink tube may be cutted to desired length where applicable, make sure of smooth cut surface
- Shrinking only on clean surfaces, at most dust- and fat-free
- Shrinking one-sided starting on one end of tube
- Shrinking temperature from + 70 °C to + 115 °C
- Ideal processing with special heat gun, heat oven or infrared radiator

6 Thin-wall black heat-shrink tube, shrink ratio 2:1

Halogen-free, thin-wall, flexible standard-electro-shrink tube with shrink ratio 2:1 (shrinking ability related to half of the indicated inner diameter before heat-shrinking). Very good applicable for electric insulation, as antikink and abrasion-protection, as protection against moisture for sealings, for bundling, as strain relief and for marking in electronics and electrical engineering, telecommunications, cable construction, in automotives, and others.

On dispenser rolls, stable, eco-friendly cardboard roll, diameter about 300 mm - 550 mm (depends on seize of heat-shrink tube), diameter of core hole about 30 mm, esp. for industrial application.

	Rated-Ø before shrinking inch	shrinking range mm	length m		
19	3/64	1,2	0,6 - 0,8	200	1 role 18 4002
20	1/16	1,6	0,75 - 1,5	200	1 role 18 4004
21	3/32	2,4	1,1 - 1,8	200	1 role 18 4006
22	1/8	3,2	1,6 - 2,7	200	1 role 18 4008
23	3/16	4,8	2,35 - 4,0	100	1 role 18 4010
24	1/4	6,4	3,1 - 5,4	100	1 role 18 4012
25	3/8	9,6	4,7 - 8,0	100	1 role 18 4014
26	1/2	12,7	6,2 - 11	100	1 role 18 4016
27	3/4	19	9,3 - 17	100	1 role 18 4018
28	1	25,4	12,8 - 24	50	1 role 18 4020
29	1 1/2	38,1	21 - 39	50	1 role 18 4022
30	2	50,8	26 - 49	25	1 role 18 4024
31	3	76,2	41 - 79	25	1 role 18 4026
32	4	101,6	46 - 98	25	1 role 18 4028



In handly dispenser boxes for trade and industry , practical transport- and inventory-boxes made of coated paperboard, for neat and dust-free storage even after opening of packagings well as easy and proper unrolling and cutting, ideal for workshop and mobile applications.

Rated-ø before shrinking inch mm	shrinking range mm	length m			
1/16 1,6	0,75 up to 1,5	20	1	18 1318	
3/32 2,4	1,1 up to 1,8	15	1	18 1319	
1/8 3,2	1,6 up to 2,7	15	1	18 1327	
3/16 4,8	2,35 up to 4,0	12	1	18 1303	
1/4 6,4	3,1 up to 5,4	12	1	18 1305	
3/8 9,6	4,7 up to 8,0	8	1	18 1307	
1/2 12,7	6,2 up to 11	8	1	18 1311	
3/4 19	9,3 up to 17	5	1	18 1313	
1 25,4	12,8 up to 24	5	1	18 1317	



in small pack suitable for craftsman, content 1 piece heat shrink tube 1 m length

Rated-ø before shrinking inch mm	shrinking range mm	length m			
3/16 4,8	2,35 up to 4,0	1	1	18 1330	
1/4 6,4	3,1 up to 5,4	1	1	18 1331	
3/8 9,6	4,7 up to 8,0	1	1	18 1332	
1/2 12,7	6,2 up to 11	1	1	18 1333	
3/4 19	9,3 up to 17	1	1	18 1334	
1 25,4	12,8 up to 24	1	1	18 1335	



Thin-wall green-yellow heat-shrink tube, shrink ratio 2:1

Two-coloured lengthwise striped, thin-wall, flexible electro-shrink tube with shrink ratio 2:1 (shrinkage related to half of the indicated inner diameter before heat-shrinking). Very good applicable for electric insulation, as antikink and abrasion-protection, as protection against moisture for sealings, for bundling, as strain relief and for marking in electronics and electrical engineering, telecommunications, cable construction, in automotives, and others ideal for marking of earthing conductors.

On dispenser rolls, stable, eco-friendly cardboard roll, ø about 300 mm – 550 mm (depends on size of heat-shrink tube), diameter of core hole about 30 mm, esp. for industrial application.

Rated-ø before shrinking inch mm	shrinking range mm	length m			
3/32 2,4	1,2 up to 2,3	200	1 role	18 4106	
1/8 3,2	1,7 up to 3,3	200	1 role	18 4108	
3/16 4,8	2,2 up to 4,2	200	1 role	18 4110	
1/4 6,4	3,2 up to 6,3	100	1 role	18 4112	
3/8 9,6	5,2 up to 10,3	100	1 role	18 4114	
1/2 12,7	6,2 up to 12,3	100	1 role	18 4116	
3/4 19	10,2 up to 21	100	1 role	18 4118	
1 25,4	12,8 up to 26	50	1 role	18 4120	
1 1/2 38,1	21 up to 41	50	1 role	18 4122	
2 50,8	26 up to 51	25	1 role	18 4124	
3 76,2	41 up to 79	25	1 role	18 4126	
4 101,6	51 up to 98	25	1 role	18 4128	



In handily dispenser boxes for trade and industry , practical transport- and inventory-boxes made of coated paperboard, for neat and dust-free storage even after opening of packagings well as easy and proper unrolling and cutting, ideal for workshop and mobile applications.

	Rated-Ø before shrinking	shrinking range	length		No
	inch mm	mm	m		
1	3/32 2,4	1,2 up to 2,3	15	1	18 4136
2	1/8 3,2	1,7 up to 3,3	15	1	18 4138
3	3/16 4,8	2,2 up to 4,2	12	1	18 4140
4	1/4 6,4	3,2 up to 6,3	12	1	18 4142
5	3/8 9,6	5,2 up to 10,3	8	1	18 4144
6	1/2 12,7	6,2 up to 12,3	8	1	18 4146
7	3/4 19	10,2 up to 21	5	1	18 4148
8	1 25,4	12,8 up to 26	5	1	18 4150



Medium-wall black heat-shrink tube, shrink ratio 3:1

Halogen-free, medium-wall, however flexible standard-electro-shrink tube with shrink ratio 3:1 (shrinking ability related to half of the indicated inner diameter before heat-shrinking). Very good applicable for electric insulation, as antikink and abrasion-protection, as protection against moisture for sealings, for bundling, as strain relief and for marking in electronics and electrical engineering, telecommunications, cable construction, in automotives, and others. Thanks to shrink ratio 3:1 especially good applicable for equalizing large differences in diameter of objects to shrink around, i.e. highly contoured parts as connection sleeves, plugs and switches, as well as to cover a wide range of applications with only a few shrink-tube sizes.

On dispenser rolls, stable, eco-friendly cardboard roll, diameter about 300 mm – 550 mm (depends on seize of heat-shrink tube), diameter of core hole about 30 mm, esp. for industrial application.

	Rated-Ø before shrinking	shrinking range	length		No
	inch mm	mm	m		
11	1/16 1,6	0,7 up to 1,3	200	1 role	18 4204
12	1/8 3,2	1,2 up to 2,6	200	1 role	18 4206
13	1/4 6,4	2,2 up to 5,6	100	1 role	18 4208
14	3/8 9,6	3,2 up to 8,6	50	1 role	18 4210
15	1/2 12,7	4,2 up to 11,6	50	1 role	18 4212
16	3/4 19	6,3 up to 17,5	50	1 role	18 4214
17	1 25,4	8,3 up to 23	25	1 role	18 4216

shrink tube in 1-meter-sections

1	1 1/2	38,1	14 up to 37	1	18 4218
2		50,8	17 up to 47	1	18 4220
3		76,2	27 up to 77	1	18 4222
4		101,6	35 up to 95	1	18 4224

In handily dispenser boxes for trade and industry , practical transport- and inventory-boxes made of coated paperboard, for neat and dust-free storage even after opening of packagings well as easy and proper unrolling and cutting, ideal for workshop and mobile applications.

	Rated-Ø before shrinking	shrinking range	length		No
	inch mm	mm	m		
20	1/16 1,6	0,7 up to 1,3	17	1	18 4234
21	1/8 3,2	1,2 up to 2,6	15	1	18 4236
22	1/4 6,4	2,2 up to 5,6	5	1	18 4238
23	3/8 9,6	3,2 up to 8,6	8	1	18 4240
24	1/2 12,7	4,2 up to 11,6	6	1	18 4242
25	3/4 19	6,3 up to 17,5	4	1	18 4244
26	1 25,4	8,3 up to 23	3	1	18 4246



Medium-wall black heat-shrink tube, shrink ratio 3:1, with adhesive inside

Halogen-free, medium-wall, however flexible standard-electro-shrink tube with shrink ratio 3:1 (shrinking ability related to half of the indicated inner diameter before heat-shrinking). Very good applicable for electric insulation, as antikink and abrasion-protection, as protection against moisture for sealings, for bundling, as strain relief and for marking in electronics and electrical engineering, telecommunications, cable construction, in automotives, and others.

Thanks to shrink ratio 3:1 especially good applicable for equalizing large differences in diameter of objects to shrink around, i.e. highly contoured parts as connection sleeves, plugs and switches, as well as to cover a wide range of applications with only a few shrink-tube sizes. Extraordinary sealing properties because of inner coating with special hot-melt adhesive, therefore brilliant applicable as protection against water- and moisture-admittance. The melting temperature of hot-melt adhesive is about + 70°C to + 80°C.

Dispenser rolls, stable, eco-friendly cardboard roll, diameter about 300 mm – 550 mm (depends on seize of heat-shrink tube), diameter of core hole about 30 mm, esp. for industrial application.

	Rated-Ø before shrinking inch mm	shrinking range mm	length m		
1/8	3,2	1,0 up to 3,1	200	1 role	18 4306
1/4	6,4	2,4 up to 6,4	100	1 role	18 4308



shrink tube in 1,22-meter-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

Heat-shrink tube-assortment, 160-part, shrink ratio 2:1

applicable mounting set with heat-shrink tube sections for universal, esp. mobile applications, in a stable, compact transport- and inventory-plastic box. Assembled with thin-wall CIMCO-heat-shrink tubes with shrink ratio 2:1 in different colours and sizes. Ideal for the application sections repairing and service, small batch production, research and development, and others

Content:

Ø before shrinking mm	Ø after shrinking mm	wall thickness mm	length mm	colour	pieces
2,0	0,85	0,18	50	black	20
3,5	1,5	0,2	50	black	20
6,5	3,0	0,28	50	black	20
9,5	4,5	0,3	100	black	20
12,5	6,0	0,3	100	black	20
15,5	7,5	0,38	100	black	10
21,5	10,0	0,4	100	black	10
2,5	1,0	0,2	50	yellow-green	10
3,5	1,5	0,25	50	yellow-green	10
6,5	3,0	0,25	50	yellow-green	10
10,7	5,0	0,3	100	yellow-green	10
230 x 250 mm				1	18 1350



heat-gun-assortment

robust and approved device "Made in Germany" for all standard applications with hot air up to max. 500 °C, i.e. defrosting of water pipes, heat shrinking, colour drying and removing, deformation of plastics, soft-soldering, etc. With 2 heat stages: Stage 1 up to 300 °C and 240 litres/min quantity of air, stage 2 up to 500 °C and 500 litres /min quantity of air, power 1600 W, 230 – 240 Volt, 50 Hz, with loadable rubber-connector cable, double over-heating-protection, adapted for manual and mounted application. Weight 700 g.

Delivery includes 2 attachment-nozzles: reflector-jet (for all-around uniform heat for soft-soldering of thin copper-pipes, for heat shrinking of heat shrink tubes and for modelling PVC-pipes), soldering reflector-jet (for similarly soldering and heat-shrinking of soldering sleeves).

240 x 200 mm 1 18 1351



Technical dates heat-shrink tubes

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	rated ø		inside ø		wall thickness				range of application	
			before shrinking		after shrinking	before shrinking		after shrinking		
	inch	mm	D mm	tolerance +/- mm	d mm	mm	tolerance +/- mm	mm	tolerance +/- mm	Ø mm
Thin-wall heat-shrink tube, black, shrink ratio 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	
Thin-wall heat-shrink tube, green-yellow, shrink ration 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	
Medium-wall heat-shrink tube, black, shrink 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	
Medium-wall heat-shrink tube, black, shrink ratio 3:1, with adhesive inside										
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	0,3	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	

Nº	page	Nº	page	Nº	page
10 0000	6	36	10 1052	1	42
10 0024	6	38/135	10 1054	1	42
10 0030	6	38/44/135	10 1055	1	42
10 0062	6	38/135	10 1076	1	42
10 0082	6	39/136	10 1082	1	42
10 0086	6	39/136	10 1096	1	42
10 0090	6	39/136	10 1222	6	39/136/152
10 0094	6	39/136	10 1224	6	39/136/152
10 0212	6	38/135	10 1230	1	152
10 0214	6	38/135	10 1236	1	152
10 0216	6	38/135	10 1237	10	152
10 0236	6	38/135	10 1238	1	152
10 0238	6	38/135	10 1239	10	152
10 0334	6	38/44/135	10 1256	1	152
10 0336	6	38/135	10 1277	1	152
10 0338	6	38/135	10 1279	1	152
10 0402	6	38/135	10 1281	1	152
10 0414	6	45	10 1283	1	152
10 0524	6	37/134	10 1285	1	152
10 0526	6	37/134	10 1300	1	45/152
10 0528	6	37/134	10 1302	1	45/152
10 0570	6	134	10 1304	1	45/152
10 0572	6	37/134	10 1370	1	152
10 0574	6	37/134	10 1410	1	45
10 0577	6	37/134	10 1412	1	45
10 0652	6	38/135	10 1414	1	45
10 0686	6	38/135	10 1416	1	45
10 0694	1	91	10 1418	1	45
10 0695	1	91	10 1430	1	45
10 0696	1	91	10 1432	1	45
10 0698	1	91/128	10 1434	1	45
10 0710	1	91	10 1436	1	45
10 0712	1	91	10 1438	1	45
10 0720	1	89/178	10 1450	1	45
10 0725	1	89/178	10 1452	1	45
10 0728	1	89/178	10 1454	1	45
10 0730	1	90	10 1456	1	45
10 0731	1	90	10 1458	1	45
10 0732	1	90	10 1470	1	45
10 0733	1	90	10 1472	1	45
10 0736	1	89	10 1474	1	45
10 0737	1	89	10 1476	1	45
10 0738	1	90	10 1478	1	45
10 0739	1	90	10 1524	6	45
10 0740	1	90	10 1540	6	46
10 0744	1	91	10 1550	1	46
10 0748	1	88	10 1562	1	46
10 0749	1	88	10 1570	1	97
10 0755	1	90	10 1571	1	97
10 0760	1	90	10 1640	1	46
10 0762	1	90/144	10 1650	1	46/218
10 0770	1	89	10 1656	1	46
10 0772	1	89	10 1690	1	44
10 0775	1	90	10 1692	1	44
10 0796	1	41/138	10 1694	1	44
10 0900	1	41	10 1698	1	44
10 0902	1	41	10 1700	1	44
10 0906	1	41	10 1702	1	44
10 0908	1	41	10 1704	1	44
10 0910	1	41	10 1708	1	44
10 0914	1	41	10 1720	1	44
10 0918	1	41	10 1722	1	44
10 0922	1	41	10 1724	1	44
10 1030	1	42	10 1730	1	45
10 1038	1	42	10 1732	1	38/44/135
10 1040	1	42	10 1733	1	44
10 1044	1	42	10 1734	1	44
10 1048	1	42	10 1735	1	44
10 1050	1	42	10 1760	1	177
10 1051	1	42	10 1870	1	180

Nº	page
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Nº	page
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page

Nº		page	Nº		page	Nº		page
10 5714	1	181	10 6154	1	127/177	11 0842	1	141
10 5715	1	181	10 6156	1	127/175/176	11 0856	1	141
10 5716	1	181	10 6158	1	127/175/176	11 0860	1	141
10 5717	1	181	10 6160	1	176	11 0862	1	141
10 5718	1	181	10 6164	1	176	11 1280	12	70
10 5719	1	181	10 6168	1	176	11 1288	12	70
10 5720	1	181	10 6200	1	127/176	11 1290	12	70
10 5721	1	181	10 6201	1	127/175/176	11 1300	12	70
10 5722	1	181	10 6202	1	127/175/176	11 1320	12	70
10 5723	1	181	10 6203	1	127/175/176	11 1400	1	69
10 5730	1	181	10 6210	1	128/177	11 1402	1	69
10 5731	1	181	10 6211	1	175	11 1404	1	69/129
10 5732	1	181	10 6212	1	175	11 1413	1	69
10 5733	1	181	10 6213	1	175	11 1414	1	69
10 5734	1	181	10 6214	1	175	11 1415	1	69
10 5735	1	181	10 6215	1	175	11 1416	1	70
10 5736	1	181	10 6216	1	175	11 1420	1	68
10 5737	1	181	10 6217	1	175	11 1425	1	68
10 5738	1	181	10 6218	1	175	11 1427	1	68
10 5739	1	181	10 8002	1	40/137	11 1428	1	68
10 5740	1	181	10 8724	6	40/137	11 1430	1	68
10 5741	1	181	10 8771	6	40/137	11 1433	1	68
10 5750	1	182	10 8773	6	40/137	11 1435	1	68
10 5751	1	182	10 8777	6	40/137	11 1440	1	70/129
10 5752	1	182	10 8778	6	40/137	11 1460	1	70
10 5753	1	182	10 8779	6	40/137	11 1462	1	68
10 5754	1	182	10 8780	6	40/137	11 1465	1	70
10 5755	1	182	10 8781	6	40/137	11 1470	1	70
10 5756	1	182	10 8782	6	40/137	11 1471	1	70
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10 6116	1	127/176	11 0786	12	52	11 1869	12	54
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10 6118	1	127/176	11 0790	12	52	11 1875	12	54
10 6120	1	175/178	11 0792	12	52	11 1876	12	54
10 6134	1	175/179	11 0794	12	52	11 1877	12	54
10 6136	1	175/179	11 0796	1	53	11 1880	12	54
10 6138	1	127/175/176	11 0804	1	141	11 1881	12	54
10 6139	1	127/177	11 0806	1	141	11 1889	12	54
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10 6150	1	176	11 0836	1	141	11 1894	12	54
10 6152	1	127/177	11 0840	1	141	11 1895	12	54

Nº	page	Nº	page	Nº	page
11 1898	1	54	11 2488	1	63
11 1901	1	55	11 2490	1	63
11 1903	1	55	11 2500	1	63
11 1909	1	54	11 2505	1	62
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11 2486	1	63	11 2716	1	143

Nº	page	Nº	page	Nº	page
----	------	----	------	----	------

cimco®

Nº	page	Nº	page	Nº	page
11 4000	1	153	11 4973	1	58
11 4001	10	153	11 5000	1	64
11 4011	1	153	11 5014	1	64
11 4019	1	153	11 5015	1	64
11 4021	1	153	11 5017	1	64
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11 4970	1	58	11 7330	12	51
11 4971	1	58	11 7340	12	51
11 4972	1	58	11 7500	1	53

Nº	page
----	------

Nº	page
----	------

page

cimco®

Nº	page	Nº	page	Nº	page
12 0022	1	88	12 0282	1	155
12 0023	1	88	12 0283	1	155
12 0024	1	88	12 0290	1	85
12 0025	1	88	12 0410	1	96/153
12 0026	1	88	12 0412	1	96/153
12 0027	1	88/126	12 0414	1	96/153
12 0028	1	88	12 0420	1	96/153
12 0029	1	88	12 0422	1	96/153
12 0030	1	87	12 0430	1	96/154
12 0032	10	87	12 0432	1	96/154
12 0033	1	91/126	12 0452	1	96/153
12 0034	1	126	12 0453	1	96/153
12 0036	1	87	12 0460	1	154
12 0038	1	87	12 0464	1	154
12 0042	1	93/143	12 0467	1	154
12 0043	1	93/143	12 0472	1	154
12 0044	1	93/144	12 0474	1	154
12 0045	1	93/144	12 0480	1	96/154
12 0046	1	93/144	12 0490	10	95
12 0048	1	89	12 0500	3	95
12 0050	1	93	12 0502	6	95
12 0052	12	93	12 0504	12	95
12 0054	12	93	12 0506	12	95
12 0056	12	93	12 0508	1	95
12 0058	12	93	12 0600	6	95/154
12 0060	12	93	12 0602	1	95/154
12 0064	1	92/143	12 0607	6	95
12 0066	1	92/143	12 0608	100	95/154
12 0072	1	93	12 0610	100	95/154
12 0076	1	93	12 0614	50	95/154
12 0080	1	93	12 0700	1	95/144
12 0081	1	93	12 0702	1	95/144
12 0082	1	93	12 0800	1	97
12 0092	1	91/126	12 0820	1	96
12 0098	1	89/126/127/177	12 0822	1	96
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12 0122	1	84	12 1010	1	92
12 0128	1	85	12 1011	1	92
12 0130	1	84	12 1042	1	92/143
12 0138	1	83	12 1104	1	91/128
12 0148	1	83			13 1812
12 0150	1	83	13 0006	10	115
12 0152	1	83	13 0008	10	115
12 0158	1	83/144	13 0010	10	115
12 0159	1	83	13 0022	10	116
12 0160	1	84	13 0024	10	116
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12 0170	1	84	13 0054	10	116
12 0172	1	84	13 0070	10	116
12 0202	6	83/144	13 0075	1	116
12 0206	6	83/144	13 0076	1	116
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12 0222	1	84	13 0536	12	116
12 0230	1	84	13 0538	12	116
12 0250	1	85/128	13 0580	6	115
12 0252	1	85/128	13 0582	6	115
12 0280	1	155	13 0584	6	115

Nº	page	Nº	page	Nº	page
----	------	----	------	----	------

cimco®

Nº		page	Nº		page	Nº		page
13 1878	1	98	14 0227	1	147	14 0854	1	107
13 1879	1	98	14 0228	1	147	14 0856	1	107
13 1880	1	98	14 0230	1	146	14 0858	1	107
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14 0102	10	66/144	14 0338	1	162	14 0922	1	107
14 0110	10	119	14 0342	1	162	14 0924	1	107
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14 0224	1	147	14 0850	1	107	14 1170	1	156
14 0225	1	147	14 0852	1	107	14 1176	1	156

Nº	page	Nº	page	Nº	page
14 1186	1	156	14 2230	1	79
14 1192	1	156	14 2231	1	79
14 1200	1	156	14 2240	1	79
14 1202	1	156	14 2241	1	79
14 1212	1	156	14 2242	1	79
14 1250	1	156	14 2243	1	79
14 1314	6	156	14 2244	1	79
14 1320	12	113	14 2245	1	79
14 1325	12	113	14 2250	1	79
14 1330	1	156	14 2251	1	79
14 1340	1	156	14 2252	1	79
14 1420	1	77	14 2253	1	79
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				15 0060	1
				15 0062	1
				15 0064	1
				15 0066	1
				15 0068	1

Nº	page	Nº	page	Nº	page
----	------	----	------	----	------

cimco®

Nº		page	Nº		page	Nº		page
15 0074	1	158	15 1630	1	167	16 2011	64	230
15 0076	1	158				16 2012	64	230
15 0078	1	158	16 0000	100	227	16 2013	64	230
15 0080	1	158	16 0100	120	227	16 2014	64	230
15 0082	1	158	16 0101	120	227	16 2015	64	230
15 0104	1	158	16 0102	120	227	16 2016	64	230
15 0140	1	158	16 0103	120	227	16 2020	48	230
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Nº	☞	page	Nº	☞	page	Nº	☞	page
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Nº	☞	page	Nº	☞	page
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cimco®

Nº	page	Nº	page	Nº	page
18 0470	100	191	18 0704	100	183
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Nº	page	Nº	page	Nº	page
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Nº	page	Nº	page	Nº	page
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cimco®

Nº	page	Nº	page	Nº	page	
18 2122	25	18 2348	100	202	18 2670	10
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Nº	page	Nº	page	Nº	page
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18 3204	10	186	18 3408	25	187
18 3206	10	186	18 3409	25	187
18 3255	100	187	18 3410	10	187
18 3256	100	187	18 3411	10	187
18 3258	100	187	18 3500	100	189
18 3260	100	187	18 3501	100	189
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18 3265	50	187	18 3503	100	189
18 3266	50	187	18 3504	100	189
18 3268	50	187	18 3505	100	189
18 3270	50	187	18 3506	100	189
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18 3278	50	187	18 3510	50	189
18 3280	50	187	18 3511	50	189
18 3282	50	187	18 3512	25	189
18 3286	50	187	18 3513	50	189
18 3288	50	187	18 3514	50	189
18 3290	50	187	18 3515	50	189

Nº	page	Nº	page	Nº	page
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cimco®

Nº	page	Nº	page	Nº	page
18 4016	100	234	18 6003	100	215
18 4018	100	234	18 6004	100	215
18 4020	50	234	18 6005	100	215
18 4022	50	234	18 6006	25	215
18 4024	25	234	18 6010	100	215
18 4026	25	234	18 6011	100	215
18 4028	25	234	18 6012	100	215
18 4106	200	235	18 6013	25	215
18 4108	200	235	18 6014	25	215
18 4110	100	235	18 6015	25	215
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18 4114	100	235	18 6020	25	215
18 4116	100	235	18 6021	25	215
18 4118	100	235	18 6022	25	215
18 4120	50	235	18 6023	25	215
18 4122	50	235	18 6024	25	215
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18 4136	1	236	18 6103	100	215
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18 4142	1	236	18 6106	25	215
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18 4146	1	236	18 6111	100	215
18 4148	1	236	18 6112	100	215
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18 4236	1	236	18 6206	1	213
18 4238	1	236	18 6208	1	213
18 4240	1	236	18 6210	1	213
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18 4314	1	237	18 6322	1	214
18 4316	1	237	18 6324	1	214
18 4318	1	237	18 6330	1	214
18 4320	1	237	18 6332	1	214
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18 4462	500	201			19 0235
18 4464	500	201	19 0005	200	220
18 4466	500	201	19 0006	200	220
18 4468	400	201	19 0014	200	220
18 4480	500	201	19 0015	200	220
18 4482	500	201	19 0016	200	220
18 4484	500	201	19 0017	200	220
18 4486	500	201	19 0019	200	220
18 4488	400	201	19 0026	200	220
18 4500	500	201	19 0027	200	220
18 4502	500	201	19 0028	200	220
18 4504	500	201	19 0029	200	220
18 4506	500	201	19 0030	200	220
18 6000	100	215	19 0031	200	220
18 6001	100	215	19 0040	200	220
18 6002	100	215	19 0041	200	220

Nº	page	Nº	page	Nº	page
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Nº	page	Nº	page	Nº	page
19 0325	100	19 0839	100	224	20 0383
19 0326	100	19 0848	100	224	20 0385
19 0327	100	19 0862	100	224	20 0386
19 0328	100	19 0864	100	224	20 0387
19 0329	100	19 0866	100	224	20 0391
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19 0338	100	19 0878	100	224	20 0407
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19 0340	100	19 0884	100	224	20 0415
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19 0413	100	19 1104	1	224	20 0447
19 0416	100	19 1105	1	224	20 0451
19 0417	100	19 1106	1	224	20 0457
19 0418	100	19 1108	1	224	20 0463
19 0419	100	19 1110	1	224	20 0469
19 0422	100	19 1112	1	224	20 0472
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19 0424	100	19 2001	100	224	20 1200
19 0425	100	19 2002	100	224	20 1201
19 0426	100	19 2003	100	224	20 1205
19 0432	100	19 2005	100	224	20 1206
19 0433	100	19 2006	100	224	20 1207
19 0434	100	19 2007	50	224	20 1208
19 0435	100	19 2600	100	224	20 1209
19 0436	100	19 2602	100	224	20 1210
19 0500	100	19 2603	100	224	20 1212
19 0504	100	19 2604	100	224	20 1214
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19 0834	100	224	20 0375	10	100
19 0836	100	224	20 0379	10	100
19 0837	100	224	20 1702	10	101

Nº	page	Nº	page	Nº	page
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cimco®

Nº		page	Nº		page	Nº		page
20 1752	10	101	20 7330	1	104	20 7514	1	110
20 1758	10	101	20 7334	1	104	20 7521	1	110
20 1760	10	101	20 7340	1	104	20 7527	1	110
20 1762	10	101	20 7360	1	105	20 7540	1	110
20 1854	5	101	20 7372	1	105	20 7546	1	110
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20 1858	5	101	20 7374	1	105	20 7562	1	111
20 1862	5	101	20 7375	1	105	20 7563	1	111
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20 1884	10	103	20 7378	1	113	20 7581	1	111
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20 1987	1	105	20 7416	1	110	20 7728	1	112
20 1989	1	105	20 7417	1	110	20 7730	1	112
20 3070	1	106	20 7419	1	110	20 7732	1	112
20 3920	1	106	20 7420	1	110	20 7740	1	112
20 3924	1	106	20 7421	1	110	20 7744	1	112
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20 6760	1	113	20 7475	1	110	20 8130	1	103
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20 6856	20	113	20 7489	1	110	20 8140	1	103
20 6857	20	113	20 7492	1	110	20 8142	1	103
20 7170	1	106	20 7495	1	110	20 8144	1	103
20 7172	1	106	20 7498	1	110	20 8146	1	103
20 7311	1	104	20 7500	1	110	20 8150	1	103
20 7315	1	104	20 7502	1	110	20 8152	1	103
20 7321	1	104	20 7505	1	110	20 8154	1	103
20 7325	1	104	20 7511	1	110	20 8156	1	103

Nº	⊕	page	Nº	⊕	page	Nº	⊕	page
20 8158	1	103	20 8644	6	102	25 1023	100	208
20 8160	1	103	20 8646	6	102	25 1024	100	208
20 8162	1	103	20 8648	6	102	25 1025	100	208
20 8164	1	103	20 8654	12	102	25 1026	100	208
20 8166	1	103	20 8655	12	102	25 1027	100	208
20 8168	1	103	20 8656	6	102	25 1028	100	208
20 8170	1	103	20 8657	6	102	25 1041	200	208
20 8172	1	103	20 8662	12	102	25 1042	200	208
20 8174	1	103	20 8664	12	102	25 1043	200	208
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20 8302	10	101	20 8668	6	102	25 1045	200	208
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20 8318	10	101	20 8684	6	102	25 2010	100	208
20 8320	10	101	20 8686	6	102	25 2100	100	208
20 8322	10	101	20 8690	6	102	25 2102	100	208
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20 8332	10	101	21 0065	6	119	30 1046	1	170
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20 8336	10	101	21 0106	1	119	30 1050	1	170
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20 8348	5	101	21 1420	1	119	30 1060	1	170
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20 8386	5	101	21 2140	10	120	30 3056	1	170
20 8388	5	101	21 2168	50	120	30 3058	1	170
20 8390	5	101	21 2170	100	120	30 3060	1	170
20 8500	1	113	21 2172	12	121	30 3062	1	170
20 8506	5	113	21 2173	12	121	30 3110	1	171
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20 8522	5	113	21 2179	10	121	30 3114	1	171
20 8523	5	113	21 2180	10	121	30 3116	1	171
20 8602	12	102	21 2182	1	121	30 3118	1	171
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20 8606	12	102	25 1000	1	208	30 3122	1	171
20 8608	12	102	25 1004	100	208	30 3123	1	171
20 8610	12	102	25 1005	100	208	30 3124	1	171
20 8616	12	102	25 1006	100	208	30 3125	1	171
20 8618	12	102	25 1007	100	208	30 3126	1	171
20 8620	12	102	25 1009	100	208	30 3127	1	171
20 8622	12	102	25 1010	100	208	30 3128	1	171
20 8624	12	102	25 1011	100	208	30 3129	1	171
20 8628	12	102	25 1012	100	208			
20 8630	12	102	25 1013	100	208	40 0052	1	35
20 8632	12	102	25 1014	100	208	40 0113	1	35
20 8634	6	102	25 1018	100	208	40 0274	1	29
20 8636	6	102	25 1019	100	208	40 1943	1	30
20 8642	12	102	25 1020	100	208	40 1981	60	33
20 8643	12	102	25 1021	100	208	40 1998	48	33

Nº	⊕	page	Nº	⊕	page
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cimco®

Nº		page	Nº		page	Nº		page
40 2032	24	33	41 4608	1	29			
40 2049	16	33	41 4653	1	29			
40 2582	1	34	41 5384	1	30			
40 2681	1	35	41 5407	1	30			
40 2698	1	35	41 5414	1	30			
40 2704	1	35	41 7173	1	28			
40 2780	1	35	41 7180	1	28			
40 2896	1	35	41 7197	1	28			
40 2919	1	35	41 7203	1	28			
40 3114	1	34	41 7227	1	28			
40 3695	1	29	41 7494	1	29			
40 3732	1	34	41 7500	1	29			
40 4562	1	31	41 8132	1	29			
40 4692	1	33	41 8330	1	35			
40 4708	1	33	41 8347	1	32			
40 4715	1	33	41 8743	1	29			
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40 5644	1	30	41 8811	1	30			
40 6757	36	34	41 8958	1	29			
40 6764	12	34	41 8965	1	29			
40 7242	1	33	41 9191	1	29			
40 7259	1	34	41 9207	1	29			
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40 7297	1	33	41 9283	1	29			
40 7303	1	33	41 9290	1	29			
40 7341	1	33	41 9306	1	29			
40 7761	48	34	41 9313	1	29			
40 7778	24	34	41 9320	1	29			
40 7785	8	34						
40 7792	24	34	42 0463	1	30			
40 7815	8	34	42 5833	2	32			
40 7822	6	34	42 5840	2	32			
40 8065	1	33						
40 8423	1	30	43 0899	1	30			
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40 9024	60	34						
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40 9666	1	32						
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41 0648	6	31						
41 0655	6	31						
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41 0716	5	31						
41 0747	3	31						
41 0778	5	31						
41 0792	3	31						
41 0808	3	31						
41 0815	3	31						
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41 2004	1	30						
41 2369	1	32						
41 2970	1	30						
41 2987	1	30						
41 3656	1	28						
41 4059	1	28						
41 4165	1	31						
41 4172	1	31						
41 4578	1	29						
41 4585	1	29						
41 4592	1	29						

Nº		page
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Nº		page
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Notes

One fits all!

click 'n' crimp®

CIMCO's new click'n'crimp offers two favourable features:

1. Die sets for different types and sizes of solderless terminals are interchangeable simply by "clicking" them into the tool frame within seconds, as a tool-free die change avoids the awkward procedure of loosening and fixing screws. No extra handtool like screwdrivers or spanners are required.



2. The handles of the tool frame are designed to store two additional die sets not in action. These are also fixed in the handles by just clicking in. Neither a special transportation case is needed, nor can the die sets not in action get lost!



Save working time!

Change the die sets by simply clicking into the tool frame! Avoid the awkward procedure of fixing dies with screws!

Save room!

Only one instead of three single crimping tools in your tool case! Also a separate portable case for storage and transportation of tool frame and die sets is not needed!

Save weight!

More than 60 % less weight compared to three extra crimping tools!

Save money!

click'n'crimp including three die sets costs less than many expensive special tools or a complete crimp system tool case!



Die sets are available for different types and sizes of solderless terminals as well as common data- and communication plugs. A detailed specification is shown on page 174.



cimco®
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