

Tools for industry and the electrical trade

Best of



■ **The new cable stripping knife
12 2016**

The emphasis is on safety!

■ **The 1000 V diagonal pliers**
Unrivalled cutting performance!

■ **Insulated screwdriver**
Individually tested in a water bath!

cimco[®]
W E R K Z E U G F A B R I K



METRO tool case

Professional hardshell tool case made of ABS material, surrounding aluminium frame with 2 integrated lockable clamp locks, carrying capacity up to 15 kg, 2 tool boards with a total of 26 tool pockets, document clipboard, bottom shell can be individually subdivided incl. separators, plastic bottom-slider. Weight 4,400 g

Article no.
17 0073



Super apprentice case

Complete with 23 quality tools. Spacious tool case made of leather, outer edges reinforced with aluminium corners, galvanised, riveted metal base plate, bottom and lid extra reinforced, folding front panel with document compartment on the front, back, front and side panels with holding straps, 2 external loops for shoulder strap, 2 key-operated locks, loaded weight 5,600 g

Article no.
17 0300



CHAMPION master case - roller case

Professional hardshell case with integrated roller system and 4-stage telescopic pull-out, extra-wide rollers, broad aluminium frame, shells made of extremely impact- and drop-resistant polypropylene, extra spacious bottom shell with partitions for individual division, 3 tool boards with numerous pockets for secure storage, 2 robust lockable snap locks. Weight 6,850 g

Article no.
17 0932



ECO apprentice case

Complete with 23 quality tools. Robust tool case made of shock-resistant plastic with strong aluminium frame, 2 lockable snap locks, deep bottom shell with numerous options for subdividing, bottom cover panel, loaded on one side with tool bags, removable tool board with document compartment and many pockets, loaded weight 6,750 g

Article no.
17 0500



PERFEKT super master case

Strong, robust hardshell case with 3 tool boards = 4 push-in brackets with clamping effect (tools are held firmly) and one document compartment. Bottom shell with grid layout and separators for reliable placement of small parts. Weight 4,900 g

Article no.
17 5075

Tool case, red, 4 push-in brackets (2 tool boards), without document compartment

Article no.
17 5076



INDUSTRY technician's case with trolley function

Complete with 21 quality tools in "CHAMPION master case - roller case" hardshell case. Loaded weight 9,800 g

Article no.
17 0600



INDUSTRY technician's case

Complete with 21 quality tools in strong hardshell case with aluminium frame, 1 tool board, bottom shell and document compartment. Loaded weight 6,700 g

Article no.
17 0602



DIAMANT 35 master case

Contains a tool board with tool insertion slots and a tool board with tool insertion straps in the lid, with a carrying capacity of up to 35 kg. Case shells have an additional aluminium frame for absolute torsional stiffness. Weight 6,400 g

Tool case in black

Article no.
17 8077

Tool case in red

Article no.
17 8076



Hardshell apprentice case

Complete with 23 quality tools. Robust hardshell tool case for professional use, 2 interchangeable hinge fitting seals, 2 reinforced metal folding hinges as lid support, opening angle > 90°, 2 light plastic tool boards with pockets, document compartment integrated in upper tool board, bottom shell with 3 separators for storing small parts. Loaded weight 6,250 g

Article no.
17 2004



DIAMANT 45 master case with trolley function

Corresponds to article no. 17 8077, but has a capacity up to 45 kg. Includes 4-stage extendable trolley system, extended height 110 cm with two stable rollers. Case shells have two additional aluminium frames for absolute torsional stiffness. Weight: 8,100 g

Article no.
17 8178

 **1000 V**

1000 V heavy duty diagonal pliers

For all types of wire, also including piano wire, made of stainless steel

Article no.	Size
10 0526	160 mm
10 0528	200 mm

 **1000 V**

1000 V diagonal pliers

For all types of wire, also including piano wire, made of stainless steel

Article no.	Size
10 0572	145 mm
10 0574	160 mm
10 0577	180 mm

 **1000 V**

1000 V stripping diagonal pliers

Single joint, for hard, medium-hard and soft wire, stripping functions for solid and multi-wire conductors measuring 1.5 mm² and 2.5 mm²

Article no.	Size
10 0652	160 mm

 **1000 V**

1000 V combination pliers

With slightly conical, serrated gripping surfaces and serrated opening (burner hole)

Article no.	Size
10 0334	160 mm
10 0336	180 mm
10 0338	200 mm

 **1000 V**

1000 V wire stripper

For solid and multi-wire conductors up to 5 mm ø or 0.75 mm² to 6 mm², with internal opening spring

Article no.	Size
10 0686	160 mm

 **1000 V**

1000 V telephone pliers with straight jaws

Single joint, long, flat-round jaws, serrated gripping surfaces and serrated opening (burner hole), with blades

Article no.	Size
10 0214	160 mm
10 0216	200 mm

 **1000 V**

1000 V telephone pliers with bent jaws

Single joint, long, flat-round jaws, angled at 45°, serrated gripping surfaces and serrated opening (burner hole), with blades

Article no.	Size
10 0236	160 mm
10 0238	200 mm

Water pump pliers

According to DIN ISO 8976, with box joint, with serrated opening (burner hole)

Article no.	Size
10 1224	250 mm

 **1000 V**

1000 V plier assortment, 4 pieces

Heavy duty diagonal pliers	200 mm
Telephone pliers with straight jaws	200 mm
Combination pliers	180 mm
Wire stripper	160 mm

Article no.
10 4020

 **1000 V**

1000 V DIAMANT diagonal pliers

VDE-certified insulation protection up to 1000 volts AC according to DIN EN 60900:2004. 160 mm in length

Article no.
10 0000

Electronic diagonal pliers

Oval-round head, diagonal, with side face

Article no.	Size
10 0802	120 mm

Pointed head, flat, with side face

Article no.	Size
10 0806	120 mm

Electronic diagonal pliers

Without side face. Setting angle 21°, soft wires up to 1.3 mm ø

Article no.	Size
10 1040	132 mm

 **1000 V**

Electrician's screwdrivers

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

Article no.	Size
11 7701	2.5 x 0.4 x 75
11 7702	3.0 x 0.5 x 100
11 7703	3.5 x 0.6 x 100
11 7704	4.0 x 0.8 x 100
11 7705	5.5 x 1.0 x 125
11 7706	6.5 x 1.2 x 150
11 7708	8.0 x 1.2 x 175
11 7710	10.0 x 1.6 x 200

 **1000 V**

Phillips cross-head screwdrivers

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

Article no.	Size
11 7730	PH 0 x 60 x 145
11 7731	PH 1 x 80 x 165
11 7732	PH 2 x 100 x 195
11 7733	PH 3 x 150 x 260

 1000 V**Pozidriv cross-head screwdrivers**

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

Article no.	Size
II 7740	PZ 0 x 60 x 145
II 7741	PZ 1 x 80 x 165
II 7742	PZ 2 x 100 x 195
II 7743	PZ 3 x 150 x 260

 1000 V**Special screwdrivers with combination profile**

According to DIN EN 60900; VDE 0682 - 201:2005 - 01, for combined slot-head/cross-head screws in electrical equipment, e.g. terminal blocks

Article no.	Size
II 7751	PZ FL 1 x 80 x 165
II 7752	PZ FL 2 x 100 x 195
II 7750	Set PZ FL1 and PZ FL2

 1000 V**TORX® screwdrivers**

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

Article no.	Size
II 7910	T 10
II 7915	T 15
II 7920	T 20
II 7925	T 25

 1000 V**Nut drivers**

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

Article no.	Size
II 7810	SW 10

 1000 V**Electrician screwdriver set, 7 piece**

VDE electrician screwdriver for slot-head 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 cross-head screwdriver
PH 1 x 80, PH 2 x 100

VDE voltage tester (250V AC)

Article no.
II 7800

 1000 V**Electrician screwdriver set, 7 piece**

VDE electrician screwdriver for slot-head 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 cross-head screwdriver
PZ 1 x 80, PZ 2 x 100

VDE voltage tester (250V AC)

Article no.
II 7802

 1000 V**Slot-head screwdriver set, 5 pieces**

VDE electrician screwdriver for slot-head 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

Article no.
II 7700

 1000 V**VDE ELEKTRO-MEGA-DRIVE screwdriver set, 13 pieces**

VDE electrician screwdriver for slot-head 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 cross-head screwdriver
PH 1 x 80, PH 2 x 100, PZ 1 x 80, PZ 2 x 100

VDE TORX® screwdriver
T 10, T 15, T 20, T 25

VDE voltage tester (250V AC)

Article no.
II 7000

 1000 V**VDE SLIM screwdriver set, 5 pieces**

For optimal accessibility of recessed screws

VDE electrician screwdriver for slot-head screws
3.0 x 0.6 x 100 mm, 4.0 x 0.8 x 100 mm,
5.5 x 1.0 x 125 mm

VDE cross-head screwdriver
PZ 1 x 80 mm, PZ 2 x 100 mm

Article no.
II 7850

Bit case, 10 pieces

Case cap with star-shaped holder for bits and universal holders

For slot-head screws 4 - 5.5 - 7 mm width
for Phillips cross-head screws PH 1 - PH 2 - PH 3
for Pozidriv cross-head screws PZ 1 - PZ 2 - PZ 3

Article no.
II 4604

SPECIAL bit set, 33 pieces

For unscrewing safety screws.

One each of: magnetic holder 60 mm for 1/4" bit drive
TORX® bits with bore (tamper resistant)

T 8 - T 10 - T 15 - T 20 - T 25 - T 27 - T 30 - T 35 - T 40
Hex bits with bore (tamper resistant)
2 - 2.5 - 3 - 4 - 5 - 6 mm, 5/64" - 3/32" - 7/64" - 1/8" -
9/64" - 9/32"

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

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

Torq-Set bits TS 6 - TS 8 - TS 10

Article no.
II 4599

"Long safety bits" set, 50 pieces

Slot 4 mm - 5 mm - 6 mm
Slot with recess (Spanner)
4 mm - 6 mm - 8 mm - 10 mm
Cross-head Phillips PH 1 - PH 2
Cross-head Pozidriv PZ 1 - PZ 2
Square socket (Robertson) size 1 - size 2
Hex socket (Allen) 4 mm - 5 mm - 6 mm
Hex socket (Allen) with bore (tamper resistant)
2 mm - 2.5 mm - 3 mm - 4 mm - 5 mm - 6 mm
TORX® T 10 - T 15 - T 20 - T 25 - T 30
TORX® with bore (tamper resistant)
T 8 TR - T 10 TR - T 15 TR - T 20 TR - T 25 TR
T 27 TR - T 30 TR - T 35 - T 40 TR
TORQ-SETTS 6 - TS 8 - TS 10
TRI-WING TW 1 - TW 2 - TW 3 - TW 4
Clamp bits / CLUTCH C 1 - C 2 - C 3
XZN polygon size 5 - size 6 - size 8
Universal bit holder; with 1/4" hex receiver and
permanent magnet, length 60 mm

Article no.
II 4606

Hex key set, 9 piece

With key sizes size 1.5 - size 2 - size 2.5 - size 3 -
size 4 - size 5 - size 6 - size 8 - size 10 mm,
with extra long blade with ball-end

Article no.
II 0604

Socket wrench set, 33 pieces

1/4"- square drive, reversible ratchet with PosiLock
holding mechanism, slide handle, 50 mm and 150 mm
extensions, holder; Cardan joint

Sockets/bits: hexagon socket wrench sizes 4 to 14 mm,
hex bit (Allen) 3 to 6 mm,
slot-head screwdriver 0.5 x 4 - 0.6 x 4.5 - 0.8 x 5.5,
cross-head screwdriver PH 1 - PH 2 - PH 3 -
PZ 1 - PZ 2 - PZ 3,
TORX® screwdriver T 10 - T 15 - T 20

Article no.
II 3104

Double open-ended spanner set, 8 pieces

According to DIN 3110 and ISO 3318, jaw position
15°, made of chrome vanadium steel, bright
chrome-plated

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

Article no.
II 2310

Universal switch cabinet key

With an adapter for 1/4" bits, with square key for radia-
tor bleed valves and reversible bit for: slot-head screws
1.0 x 7.0 mm, cross-head screws PH 2, square socket
5 - 8 mm, triangular socket 9 mm, two-way key bit
3 - 5 mm

Article no.
II 2894

SuBMaster

With adapter for 1/4" bits, designed with karabiner chain,
magnetic plug connection for 9 - 10 mm square.

Square socket 5 - 10 mm, triangular socket 7 - 11 mm,
two-way key bit 3 - 5 mm, half-moon 6 mm

Article no.
II 2992

PROFI KEY universal key

Adapter for 1/4" bits and double-bit for:

Slot-head screws 1.0 x 7.0 mm, cross-head screws PH 2,
square socket 5 - 8 mm, triangular socket 9 mm,
stepped square plug 5 - 9 mm

Article no.
II 2922

Wrench for set screws for fuses and for contact screws

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

Article no.
I4 0102

AC/DC voltage tester up to 690 V with LED and LCD display

Single polarity test, continuity test, ELV, rotating field L/R,
voltage range 12 - 690 V AC/DC, automatic polar-
ity display, frequency range AC, 40 - 400 Hz, power
consumption < 3.5 mA, single polarity test > 90 - 690 V
AC, continuity test visual and acoustic, measurement
category: CAT IV 600 V, CAT III 1000 V, degree of
protection: IP 64, tested according to EN 61010, EN
61243-3:2010, TÜV / GS certified, overvoltage category
CAT III / IV, weight: 180 g, incl. 2 batteries

Article no.
II 1429

Digital laser rangefinder

Recommended operating environment indoors,
measuring range 0.05 - 20 m, laser class 2

Article no.
2I 1562



Digital multimeter

3½-digit, digital display, measures voltage, current, resistance, temperature, capacitance and frequency. Visual and acoustic continuity test, corresponds to Directive (2002/96/EC) WEEE

Article no.
II 1404

Voltfix and Magno-Voltfix voltage tester

Non-contact, visual and acoustic recognition of alternating voltages. Two selectable voltage ranges/sensitivity levels. Reliably displays voltages from 12 V AC

Voltfix

Article no.
II 1460

Magno-Voltfix (incl. magnetic field detection)

Article no.
II 1465

Voltage tester

W 3.0 x L 65 mm, Testing range 120 - 250 AC

Article no.
II 1280

W 3.5 x L 100 mm, Testing range 120 - 250 AC

Article no.
II 1288

Voltage tester Drei-Ve

Ergonomically shaped triangular handle in transparent, impact-resistant plastic, manufactured according to DIN standard, VDE/GS certified, 120 - 250 AC

Article no.
II 1282

TROMMELFIX 200

Max. load-bearing capacity 200 kg, max. drum diameter 700 mm, max. drum width 530 mm, weight 15.7 kg

Article no.
I4 2750

TROMMELFIX 200 ULTRA

Convenient winding and unwinding of cable drums with the new drum brake (unwinding brake) in the front drum axle, max. drum width 530 mm, load-bearing capacity up to 200 kg, weight 9.4 kg

Article no.
I4 2756



Hand-held cable length measuring tool

Measuring device for fast, accurate measurement of cable lengths, for cables and similar winding materials from 4 - 35 mm ø

Article no.
I4 2744



Plastic winding rods

Cable lugs on both sides, material ø 4 mm, tensile strength 900 N

Article no.	Size
I4 0054	10 m
I4 0056	15 m
I4 0058	20 m

Kati® Blitz compact

With integrated accessory set and special draw aid Kati® Grip, 1 each of 7 - 10 mm ø guide head, 3 rod ends and 2 rod ends 2.0 on the rod, 3 connecting sleeves, 5 cable lugs, 1 cable draw grip 6 - 9 mm ø, 1 glass fibre fix adhesive (3 g bottle).

Article no.	Size
I4 2020	20 m
I4 2024	30 m
I4 2028	50 m



Kati® Blitz replacement bar

For Kati® Blitz compact and Kati® Blitz 2.0, complete with 2 rod ends 2.0

Article no.	Size
I4 2120	20 m
I4 2122	30 m
I4 2124	50 m



Flexible guide head 2.0

The perfect tool for passing through very tight bends. Bend radii of 30 mm are possible.

Article no.	Size
I4 1072	7 mm ø
I4 1073	10 mm ø
I4 1074	13 mm ø



Flexible guide head 2.0 - set

Article no.	Size
I4 1078	7, 10, 13 mm ø

Kati® Blitz service set, 12 pieces

3 rod ends 2.0, 5 cable lugs, 3 connecting sleeves, 1 fibre glass special adhesive

Article no.
I4 1080



GLIT® cable lubricant

For inserting pull rods of all types. 200 ml tube

Article no.
I4 2194





Silicone spray

An ideal lubricating, protecting, maintenance and separating agent, contents 400 ml

Article no.
15 1004



Cable cutter

For copper and aluminium cables, for fine-wired cable up to $\varnothing$ 18 mm, solid 16 mm², flexible 50 mm²

Article no.
12 0116



One-hand cable cutter

For copper and aluminium cables, for cable up to $\varnothing$ 16 mm, solid 16 mm², flexible 50 mm²

Article no.
12 0104



One-hand cable cutter

For copper and aluminium cables, for cable up to $\varnothing$ 25 mm, solid 25 mm², flexible 70 mm²

Article no.
12 0100



One-hand ratchet cable cutter

For crush-free cutting of cables with a maximum external diameter of max. 45 mm.

Max. cutting capacity:

Cu (copper) max. $\varnothing$ 45 mm
multistrand 300 mm² / 600 MCM
Sector-shaped conductors 3 x 70 SM

Al (aluminium) max. $\varnothing$ 45 mm
multistrand 400 mm² / 800 MCM
Sector-shaped conductors 4 x 70 SE

Article no.
12 0168



Universal cable sheath cutter

For removing all layers of insulation from cables with more than 25 mm $\varnothing$, incision depth adjustable from 0.5 - 5 mm, for longitudinal and round cuts

Article no.
12 0002



KABIFIX cable sheath stripper

For cutting open and stripping cables from 6 - 28 mm $\varnothing$, for longitudinal and round incisions

Article no.
12 0030



»JOKARI^{original} Super sheath stripper

With round and longitudinal cutter; insulation stripping mechanism and foldaway additional knife.

Sheath stripping: cable of 8 - 13 mm $\varnothing$, e.g.: 7 x 1.5 mm² or 5 x 2.5 mm²

Insulation stripping: 0.2 - 0.3 - 0.8 mm, 1.5 - 2.5 - 4 mm²

Article no.
12 0025



»JOKARI^{original} Universal cable sheath stripper

For all common cables of 8 - 13 mm $\varnothing$

Article no.
12 0028



»JOKARI^{original} COAXI cable sheath stripper

For all common cables of 4.8 - 7.5 mm $\varnothing$, especially suited for coaxial cable (antenna cable)

Article no.
12 0027



with length scaling

Article no.
12 1027



»JOKARI^{original} PC-STRIP insulation stripper

Special wire stripping tool for data and control lines, communication lines, system cables, etc.

Sheath stripping: cable of 5 - 13 mm $\varnothing$

Insulation stripping: conductors of 0.2 - 4.0 mm² or AWG 26 - 11

Article no.
12 0034



POWER STRIP

For a variety of common cables. Designed for round cable of 0.5 to 16 mm² (AWG 20 to AWG 6)

Article no.
10 0770



MAXIM 6 automatic wire stripper

For round, oval and flat cables of 0.2 - 6 mm².

Stripping length with stop can be set from 4 to 18 mm for volume work

Article no.
10 0736



»JOKARI^{original} SUPER 4 PLUS wire stripper

With adjustable length stop of 6.0 to 15.0 mm.

Automatic adjustment to widths of 0.2 mm² to 6.0 mm²

Article no.
10 0780



»JOKARI Cable stripping knife

With changeable blades and TiN-coated safety blade. Supplied blade size 8 - 28 mm ø. Adjustable inner blade for longitudinal and round cuts. Protected hooked blade with automatic protection mechanism

Article no.
12 2016

Exchangeable hook blades



Article no.	Size
12 2020	4 – 16 mm ø
12 2021	8 – 28 mm ø
12 2022	27 – 35 mm ø
12 2023	35 – 50 mm ø
12 2024	50 – 70 mm ø

»JOKARI Cable stripping knife

Two-component tool with non-slip, soft grip insert and thumb mould for optimal handiness

With hooked blade, 8 - 28 mm ø

Article no.
12 0010

With straight blade, 8 - 28 mm ø

Article no.
12 0011

Cable stripping knife

Integral haft, blade with round and triangular scraper

Article no.
12 0050

Cable stripping knife

With wooden shell, blade with scraper

Article no.
12 0052

Universal knife

2-component professional plastic design, with adjustable retractable blade (breakaway blade, 9 mm)

Article no.
12 0081

PUK pocket saws

Span width 150 mm, with metal cutting saw blade

With adjustable polished wooden haft

Article no.
12 0500

With firm, lacquered wooden haft

Article no.
12 0502



PROFI pocket saw

With universal blade, span width 150 mm

Article no.
12 0490

Bulk saw blades

Universal saw blade according to DIN 6494 Form C, 150 mm length, 6 mm width, 0.4 mm thickness, tooth pitch 1 mm (25 teeth/inch)

Article no.
12 0506

Metal saw bow

Integrated key and blade magazine, powder-coated, PUK bi-metal saw blade 300 mm, total length 400 mm, 24 teeth/inch

Article no.
12 0530

Metal cutting saw blade

According to DIN 6494 Form A, single-sided, HSS-CO, 24 teeth/inch, dimensions 300 x 13 x 0.65 mm

Article no.
12 0608

SUPER pipe cutter

Working range 6 - 35 mm ø

Article no.
12 0410

Universal pipe cutter

For insulation and uPVC pipes with a pipe outer ø max. 29 mm

Article no.
12 0450

PROFI SDS-Plus hammer drill

With hard metal blades, high drilling speed thanks to the wide Twinmax helix



Article no.	ø	Length
20 8302	5 mm	110 mm
20 8304	5 mm	160 mm
20 8308	6 mm	110 mm
20 8310	6 mm	160 mm
20 8322	8 mm	160 mm
20 8324	8 mm	210 mm
20 8330	10 mm	160 mm
20 8332	10 mm	210 mm
20 8334	10 mm	310 mm
20 8342	12 mm	160 mm
20 8346	12 mm	450 mm
20 8366	16 mm	450 mm



Hammer core bits

With M 16 internal thread, SDS-Plus holder shaft

Article no.	Drill ø
20 7321	68 mm
20 7325	80 mm



HSS step drill

Especially for screwed cable glands, holder shaft
12 mm ø, 12 drill settings, M 12 - 40

Article no.	ø	Length
20 1209	5 mm	110 mm



HSS bi-metal hole saw

With Vario toothing, saw length 50 mm, max. drilling
depth 40 mm, M 16 holder thread, 68 mm ø

Article no.
20 7468



Hole saw for switch boxes, 68 mm ø

Complete with holder shaft, guide drill and push-out
spring

Article no.
20 7562

Additionally with edge countersink

Article no.
20 7563



HSS bi-metal - hole saw set ELEKTRO-TOP with edge countersink

Contents: one each of hole saw 35 mm, 68 mm,
75 mm ø, edge countersink for 68 mm ø, holder shaft
with 2 driving pins, HSS pilot drill 6.35 mm ø, length
70 mm, push-out spring

Article no.
20 7400



Diamond core bits 65, blue

With laser-fused diamond segments made of diamond
grit bond, working length 65 mm, height 8 mm,
segment length 24 mm

Article no.	ø mm
20 8778	68
20 8780	82



Holder shaft 65

For working length 65 mm, steel design, including
ejector drift

Article no.	Design
20 8836	Hex
20 8838	SDS



Diamond core bits 150 Universal

With laser-fused diamond segments made of diamond
grit bond, working length 150 mm, height 7 mm, seg-
ment length 24 mm

Article no.	ø mm
20 8810	32
20 8812	42
20 8814	52
20 8816	72
20 8818	82
20 8820	112
20 8822	132
20 8824	152
20 8826	182



Holder shaft 150

For working length 150 mm, steel design, including
centring drill bit and ejector drift

Article no.	Design
20 8830	Hex
20 8832	SDS



Safety cross peen hammer

According to DIN 1041, GS certified, with forged-on
protective shaft collar and protective nylon shaft sleeve

Article no.	Weight
13 0582	300 g
13 0586	500 g



Safety club hammer

According to DIN 6475, other processing such as safety
cross peen hammer

Article no.	Weight
13 0602	1250 g



Electrician's chisel

Article no.	Cutting edge
13 0006	10 mm
13 0008	12 mm
13 0010	15 mm



Painter's spatula

Width 50 mm

Article no.
13 1326



Plaster cup

Height 90 mm, ø 125 mm

Article no.
14 0306



Water brush

Pure bristles, ø 24 mm

Article no.
14 0310



Chalk line roller

With push-system, cord length 15 m, including 60 g coloured powder

Article no.

14 0320

Blue paint powder, 100 g

Article no.

14 0322



Switch cabinet spirit level

With 3 levels, a robust aluminium rail and integrated magnetic ledge, 250 mm

Article no.

21 1542



Electrician spirit level

With 2 levels, with four fixed marking points at 71 mm intervals, 470 mm

Article no.

21 1552



Mini spirit level

With shock-resistant plastic level, 100 mm

Article no.

21 1556



Folding ruler

10 joints, length 2 m

Made of fibre glass, highly elastic, non-conductive

Article no.

21 0008



Made of wood, with steel spring

Article no.

21 0004



Cellugraph universal pencil

Black, will write on all smooth surfaces, wipeable

Article no.

21 2168



Marking chalk

For marking wood, metal, stone, cardboard, tiles, paper or similar:

Article no.

21 2172

21 2173

21 2176

Colour

red

Yellow

blue



Deep hole marker – Ink

Water-resistant and fast drying ink, for marking, marking out and lettering even in places that are hard to access

Article no.

21 2182

21 2184

21 2186

Colour

black

Blue

red



Deep hole marker

Graphite, for marking, marking out and lettering even in places that are hard to access

Article no.

21 2150



EXPLORER safety glasses

According to EN 166 5-3.1 IF, with clear protective lens, scratch-resistant

Article no.

14 0205



Fine dust mask

According to DIN EN 149, protection level FFP1

Article no.

14 0282



SOFT 5-finger work gloves

Category II, EN 388, washable, ergonomic fit, good grip

Article no.

14 0290

14 0292

14 0294

Size

9

10

11



1000 V NH safety handle

According to VDE 0680/4, with anti-slip protection and protective guard, for NH fuses, size 00-3

Article no.

14 0210



Safety set, 5 pieces

In shoulder bag, electrician hardhat, electrician face guard, NH safety handle, electrician finger gloves and insulated ground sheet

Article no.

14 0250



LED construction site spotlight 10 W

Battery operating time: 4 hours, battery charging time: 3 hours, luminous flux: 700 Lumen, light colour: 5,500 - 6,000 K, light angle: 120°. Dimensions: 148 x 167 x 240 mm

Article no.
11 1580



LED construction site spotlight 20 W

Battery operating time: 5 hours, battery charging time: 5 hours, luminous flux: 1,300 Lumen, light colour: 5,500 - 6,000 K, light angle: 120°. Dimensions: 215 x 185 x 268 mm

Article no.
11 1586



LED construction site spotlight 30 W

Battery operating time: 3 hours, battery charging time: 5 hours, luminous flux: 2,000 Lumen, light colour: 5,500 - 6,000 K, light angle: 120°. Dimensions: 225 x 184 x 305 mm

Article no.
11 1588



LED construction site spotlight 50 W

Battery operating time: 3 hours, battery charging time: 5 hours, luminous flux: 2,600 Lumen, light colour: 5,500 - 6,000 K, light angle: 120°. Dimensions: 288 x 188 x 325 mm

Article no.
11 1590



LED construction site spotlight 20 W with spare rechargeable battery

Battery operating time: 3 hours, battery charging time: 5 hours, luminous flux: 1,300 Lumen, light colour: 5,500 - 6,000 K, light angle: 120°. Dimensions: 182 x 170 x 256 mm

Article no.
11 1592



Spare rechargeable battery for 11 1592

7.4 V / 6,600 mAh, for use with LED construction site spotlight 11 1592. With USB port for use as a power bank

Article no.
11 1593

SAFETY BOX

For protecting plug connections on power lines against humidity and moisture, as well as against unintentional separation of the plug connection, also advisable as protection for young children. For lines with up to 9 mm diameter, IP 44 splash protected, weight 110 g.

Article no.
14 2016



Lead-free electronic solder

According to DIN 29453, S-Sn 99.3 Cu 0.7, with active resin flux according to DIN EN 29454-1 I.1.2.B 2.5% (weight $2.5 \pm 0.5\%$), non-corrosive on non-ferrous metals, 250 g

Article no.
15 0154
15 0164

Wire ø
1.0 mm
1.5 mm



Electronic soldering devices

220 volt, interchangeable copper soldering tips, 30 watt, 410°C soldering tip temperature, soldering tip ø 5 mm straight

Article no.
15 0600



Rust remover and contact spray

Corrosion protection, cleaning, lubrication, water displacement and conservation, 400 ml

Article no.
15 1040



Compressed air spray

Removes dust and loose dirt, residue-free, dry, non-contact cleaning

Article no.
15 1092



All-round spray

High-performance care and maintenance product for a variety of uses

Article no.
15 1120
15 1122

Contents
400 ml
50 ml



Smoke detector test spray

Special testing gas for functional testing of photoelectric (optoelectronic) smoke detectors

Article no.
15 1126

WET.PROTECT e.basic

Protects against short circuits, failure and corrosion caused by wet and moisture, for use in industry, trade and the domestic household

Article no.
15 1140
15 1142

Contents
50 ml
200 ml





Cable drum

3 professional protective contact sockets 230V 16 A 3p with spring hinged covers and thermo switch, lead made of H07RN-F 3G1.5, protection class IP 44

Article no.

14 6900
14 6902

Size

25 m
40 m



Hand cleaner

Good cleaning power for moderate soiling

Article no.

15 1626
15 1624

Contents

250 ml
2,000 ml



All-purpose waste bag

Contents approx. 120 l, 700 x 1100 mm, 25 bags per roll

Article no.

14 5001

ELECTRICAL ENGINEERING click 'n' crimp

Crimping pliers with interchangeable crimping profile inserts, fixed by a catch holder in the tool body

With crimping profile inserts

- for insulated cable lugs 0.5 mm² to 6 mm²
- for non-insulated cable lugs 0.5 mm² to 10 mm²
- for wire end ferrules 0.5 mm² to 10 mm²

Article no.

10 6000

Crimping pliers

For insulated cable lugs, compound leverage, with ratchet mechanism and adjustable locking, double crimping, standard oval crimp 0.5 - 6 mm²

Article no.

10 6144

Crimping pliers

For wire end ferrules, compound leverage, with ratchet mechanism and adjustable locking, trapezoid crimp 0.5 - 16 mm²

Article no.

10 6120

Insertion tool for LSA-Plus terminals

Solder, screw and stripping-free connection and automatic trimming of conductors with 0.5 to 0.8 mm Ø (AWG 24 to 20)

Article no.

11 8017
11 8018

Model
ECONOMY
CROWN



Hand crimping pliers

For insulated and non-insulated wire end ferrules and twin wire end ferrules, indent crimp

Article no.

10 1906
10 1904

Cross section

0.5 - 2.5 mm²
0.5 - 16 mm²



FLEXI-CRIMP Front crimping pliers

For wire end ferrules, with self-adjusting comb or fin die on the conductor cross section.
Square crimp 0.14 - 6 mm²

Article no.

10 1940



Automatic crimping pliers

For wire end ferrules, side insertion of ferrule, square crimp 0.14 - 6 mm², trapezoid crimp

Article no.

10 4194



ECONOMY crimping pliers

For insulated and non-insulated cable lugs, plus stripping device 0.5 - 6 mm², oval crimp

Article no.

10 1892



Crimping pliers

For tubular cable lugs and connectors, with integral, rotatable profile discs, compound leverage, hexagonal crimping 6 - 50 mm²

Article no.

10 1882



Spiral band

For bundling and protecting cables, temperature-resistant from -20 °C to +65 °C, 10 m length, bundle-Ø 4 - 20 mm, spiral width 7 mm, outer Ø 6 mm

Article no.

18 6200



Set of universal insulating tapes, 10 pieces

10 colours assorted, PVC film, coated on one side, 10 m

Article no.

16 0000



Set of insulating tapes, 4 pieces

For phase identification (L1, L2, L3, N), PVC film, coated on one side, 10 m

Article no.

16 0205

TDM Mechanical cable joint box

For fast and secure connection of communication-, control- and supply lines, watertight (IP 68), UV-resistant, alkaline earth- and rot-resistant, complies with standard ÖVE IM22



Type TDM 1, conductor cross section $3 \times 1.5 \text{ mm}^2$ to $5 \times 2.5 \text{ mm}^2$, usage range $\varnothing 6 - 14 \text{ mm}$

Article no.
18 4760



Type TDM 2, conductor cross section $3 \times 1.5 \text{ mm}^2$ to $5 \times 16 \text{ mm}^2$, usage range $\varnothing 6 - 25 \text{ mm}$

Article no.
18 4762



Spanner set for TDM 2

Article no.
18 4764

1 kV cast resin joint sets

Consisting of joint casing, including polyurethane casting resin and hardener; one pair of disposable gloves, one spatula, two foam seals and abrasive paper



Type AVM 40-175 D, conductor cross section pass $3 \times 1.5 \text{ mm}^2$ to $5 \times 6 \text{ mm}^2$, branch $3 \times 1.5 \text{ mm}^2$ to $5 \times 4 \text{ mm}^2$

Article no.
18 4660



Type AVM 55-220 D, conductor cross section pass $5 \times 6 \text{ mm}^2$ to 10 mm^2 , branch $5 \times 2.5 \text{ mm}^2$ to 10 mm^2

Article no.
18 4662

Screw connectors

Type brass, conductor cross section $1.5 - 16 \text{ mm}^2$, only Cu

Article no.
18 0960



Type tinned, conductor cross section $6 - 25 \text{ mm}^2$, Cu and Al

Article no.
18 0962

ALPA-GEL

Protects cable connections against dust and moisture, can be removed at any time, scope of supply: mixing cup, mixing spatula, disposable glove in 2 different sizes



Article no.
15 1010
15 1012

Contents
250 ml
1,000 ml

Cable ties

Made of pure PA 6.6, self-extinguishing according to UL 94-V2, melting point at $+260^\circ\text{C}$, halogen-free, silicone-free, non-toxic, non-conductive, installation temperature (when fitting) -10°C to $+80^\circ\text{C}$, continuous service temperature (after fitting) -40°C to $+105^\circ\text{C}$



Article no.

clear

black

Size mm

8 1360	18 1860	2.5 x 75
18 1361	18 1861	2.5 x 100
18 1362	18 1862	2.5 x 135
18 1402	18 1802	2.5 x 160
18 1363	18 1863	2.5 x 200
18 1364	18 1864	3.5 x 140
18 1404	18 1804	3.5 x 200
18 1378	18 1878	3.5 x 280
18 1365	18 1865	4.5 x 160
18 1366	18 1866	4.5 x 180
18 1367	18 1867	4.5 x 200
18 1379	18 1879	4.5 x 250
18 1368	18 1868	4.5 x 280
18 1369	18 1869	4.5 x 360
18 1408	-	4.5 x 380
18 1371	18 1871	7.5 x 180
18 1372	18 1872	7.5 x 240
18 1377	18 1877	7.5 x 280
18 1373	18 1873	7.5 x 360
18 1374	18 1874	7.5 x 450
18 1375	18 1875	7.5 x 540
18 1376	18 1876	7.5 x 750
18 1390	18 1890	9.0 x 780
18 1391	18 1891	9.0 x 920
18 1394	18 1894	9.0 x 1120
18 1392	18 1892	12.5 x 500
18 1393	18 1893	12.5 x 750
18 1395	18 1895	12.5 x 1000



Solderless cable connectors

Tubular cable lugs, Cu, standard design

Can also be supplied with inspection hole, suitable for finely stranded conductors according to IEC 228, annealed to copper hardness F 20



Article no.

Cross section

Bolt $\varnothing$

18 0650	0.75 mm ²	3 mm
18 0652	0.75 mm ²	4 mm
18 0654	0.75 mm ²	5 mm
18 0660	1.50 mm ²	4 mm
18 0662	1.50 mm ²	5 mm
18 0664	1.50 mm ²	6 mm
18 0670	2.50 mm ²	4 mm
18 0672	2.50 mm ²	5 mm
18 0674	2.50 mm ²	6 mm
18 0676	2.50 mm ²	8 mm
18 0680	4.00 mm ²	4 mm
18 0682	4.00 mm ²	5 mm
18 0684	4.00 mm ²	6 mm
18 0686	4.00 mm ²	8 mm
18 0692	6.00 mm ²	5 mm
18 0694	6.00 mm ²	6 mm
18 0696	6.00 mm ²	8 mm
18 0697	6.00 mm ²	10 mm
18 0698	6.00 mm ²	12 mm
18 0700	10.00 mm ²	5 mm
18 0702	10.00 mm ²	6 mm
18 0704	10.00 mm ²	8 mm
18 0705	10.00 mm ²	10 mm
18 0706	10.00 mm ²	12 mm
18 0709	16.00 mm ²	5 mm
18 0710	16.00 mm ²	6 mm
18 0712	16.00 mm ²	8 mm
18 0714	16.00 mm ²	10 mm
18 0715	16.00 mm ²	12 mm
18 0718	25.00 mm ²	5 mm
18 0720	25.00 mm ²	6 mm

Solderless cable connectors tubular cable lugs Cu, standard design

See previous page for description

18 0722	25.00 mm ²	8 mm
18 0724	25.00 mm ²	10 mm
18 0725	25.00 mm ²	12 mm
18 0726	25.00 mm ²	14 mm
18 0730	35.00 mm ²	6 mm
18 0732	35.00 mm ²	8 mm
18 0734	35.00 mm ²	10 mm
18 0735	35.00 mm ²	12 mm
18 0736	35.00 mm ²	14 mm
18 0737	35.00 mm ²	16 mm
18 0739	50.00 mm ²	6 mm
18 0740	50.00 mm ²	8 mm
18 0742	50.00 mm ²	10 mm
18 0744	50.00 mm ²	12 mm
18 0745	50.00 mm ²	14 mm
18 0746	50.00 mm ²	16 mm
18 0747	50.00 mm ²	20 mm
18 0749	70.00 mm ²	6 mm
18 0750	70.00 mm ²	8 mm
18 0752	70.00 mm ²	10 mm
18 0754	70.00 mm ²	12 mm
18 0755	70.00 mm ²	14 mm
18 0756	70.00 mm ²	16 mm
18 0758	70.00 mm ²	20 mm
18 0759	95.00 mm ²	8 mm
18 0760	95.00 mm ²	10 mm
18 0762	95.00 mm ²	12 mm
18 0763	95.00 mm ²	14 mm
18 0764	95.00 mm ²	16 mm
18 0766	95.00 mm ²	20 mm
18 0768	120.00 mm ²	8 mm
18 0770	120.00 mm ²	10 mm
18 0772	120.00 mm ²	12 mm
18 0773	120.00 mm ²	14 mm
18 0774	120.00 mm ²	16 mm
18 0776	120.00 mm ²	20 mm
18 0778	150.00 mm ²	8 mm
18 0780	150.00 mm ²	10 mm
18 0782	150.00 mm ²	12 mm
18 0783	150.00 mm ²	14 mm
18 0784	150.00 mm ²	16 mm
18 0786	150.00 mm ²	20 mm
18 0788	185.00 mm ²	10 mm
18 0790	185.00 mm ²	12 mm
18 0791	185.00 mm ²	14 mm
18 0792	185.00 mm ²	16 mm
18 0794	185.00 mm ²	20 mm
18 0798	240.00 mm ²	10 mm
18 0800	240.00 mm ²	12 mm
18 0801	240.00 mm ²	14 mm
18 0802	240.00 mm ²	16 mm
18 0804	240.00 mm ²	20 mm
18 0818	300.00 mm ²	12 mm
18 0819	300.00 mm ²	14 mm
18 0820	300.00 mm ²	16 mm
18 0822	300.00 mm ²	20 mm
18 0826	400.00 mm ²	12 mm
18 0828	400.00 mm ²	14 mm
18 0830	400.00 mm ²	16 mm
18 0832	400.00 mm ²	20 mm

Tubular cable lugs Cu

According to DIN 0295 and IEC 228, designed for finely stranded conductors, widened "Easy Entry" cable insertion, annealed to copper hardness F 20

Article no.	Cross section	Bolt ø
18 3255	10.00 mm ²	5 mm
18 3256	10.00 mm ²	6 mm
18 3258	10.00 mm ²	8 mm
18 3260	10.00 mm ²	10 mm

18 3262	10.00 mm ²	12 mm
18 3265	16.00 mm ²	5 mm
18 3266	16.00 mm ²	6 mm
18 3268	16.00 mm ²	8 mm
18 3270	16.00 mm ²	10 mm
18 3272	16.00 mm ²	12 mm
18 3275	25.00 mm ²	5 mm
18 3276	25.00 mm ²	6 mm
18 3278	25.00 mm ²	8 mm
18 3280	25.00 mm ²	10 mm
18 3282	25.00 mm ²	12 mm
18 3286	35.00 mm ²	6 mm
18 3288	35.00 mm ²	8 mm
18 3290	35.00 mm ²	10 mm
18 3292	35.00 mm ²	12 mm
18 3294	35.00 mm ²	14 mm
18 3296	50.00 mm ²	6 mm
18 3298	50.00 mm ²	8 mm
18 3300	50.00 mm ²	10 mm
18 3302	50.00 mm ²	12 mm
18 3304	50.00 mm ²	14 mm
18 3306	70.00 mm ²	6 mm
18 3308	70.00 mm ²	8 mm
18 3310	70.00 mm ²	10 mm
18 3312	70.00 mm ²	12 mm
18 3314	70.00 mm ²	14 mm
18 3316	70.00 mm ²	16 mm
18 3318	95.00 mm ²	8 mm
18 3320	95.00 mm ²	10 mm
18 3322	95.00 mm ²	12 mm
18 3324	95.00 mm ²	14 mm
18 3326	95.00 mm ²	16 mm
18 3328	120.00 mm ²	8 mm
18 3330	120.00 mm ²	10 mm
18 3332	120.00 mm ²	12 mm
18 3334	120.00 mm ²	14 mm
18 3336	120.00 mm ²	16 mm
18 3338	150.00 mm ²	8 mm
18 3340	150.00 mm ²	10 mm
18 3342	150.00 mm ²	12 mm
18 3344	150.00 mm ²	14 mm
18 3346	150.00 mm ²	16 mm
18 3348	150.00 mm ²	20 mm
18 3350	185.00 mm ²	10 mm
18 3352	185.00 mm ²	12 mm
18 3354	185.00 mm ²	14 mm
18 3356	185.00 mm ²	16 mm
18 3360	185.00 mm ²	20 mm
18 3362	240.00 mm ²	12 mm
18 3364	240.00 mm ²	14 mm
18 3366	240.00 mm ²	16 mm
18 3370	240.00 mm ²	20 mm
18 3372	300.00 mm ²	12 mm
18 3374	300.00 mm ²	14 mm
18 3376	300.00 mm ²	16 mm
18 3380	300.00 mm ²	20 mm

Butt connectors, Cu, standard design

Also suitable for finely stranded conductors according to IEC 228, annealed to copper hardness F 20

Article no.	Cross section
18 0900	0.75 mm ²
18 0902	1.50 mm ²
18 0904	2.50 mm ²
18 0906	4.00 mm ²
18 0908	6.00 mm ²
18 0910	10.00 mm ²
18 0912	16.00 mm ²
18 0914	25.00 mm ²
18 0916	35.00 mm ²
18 0918	50.00 mm ²
18 0920	70.00 mm ²
18 0922	95.00 mm ²
18 0924	120.00 mm ²
18 0926	150.00 mm ²

Butt connectors, Cu, standard design

18 0928	185.00 mm ²
18 0930	240.00 mm ²
18 0932	300.00 mm ²
18 0934	400.00 mm ²

Compression cable lugs, Cu, DIN 46235

Particularly suitable for finely stranded conductors according to IEC 228, annealed to copper hardness F 20



Article no.	Cross section	Bolt ø
18 3500	6.00 mm ²	5 mm
18 3501	6.00 mm ²	6 mm
18 3570	6.00 mm ²	8 mm
18 3502	10.00 mm ²	5 mm
18 3503	10.00 mm ²	6 mm
18 3504	10.00 mm ²	8 mm
18 3505	16.00 mm ²	6 mm
18 3506	16.00 mm ²	8 mm
18 3507	16.00 mm ²	10 mm
18 3508	16.00 mm ²	12 mm
18 3509	25.00 mm ²	6 mm
18 3510	25.00 mm ²	8 mm
18 3511	25.00 mm ²	10 mm
18 3512	25.00 mm ²	12 mm
18 3572	35.00 mm ²	6 mm
18 3513	35.00 mm ²	8 mm
18 3514	35.00 mm ²	10 mm
18 3515	35.00 mm ²	12 mm
18 3516	35.00 mm ²	14 mm
18 3517	50.00 mm ²	8 mm
18 3518	50.00 mm ²	10 mm
18 3519	50.00 mm ²	12 mm
18 3520	50.00 mm ²	14 mm
18 3521	50.00 mm ²	16 mm
18 3522	70.00 mm ²	8 mm
18 3523	70.00 mm ²	10 mm
18 3524	70.00 mm ²	12 mm
18 3525	70.00 mm ²	14 mm
18 3526	70.00 mm ²	16 mm
18 3574	95.00 mm ²	8 mm
18 3527	95.00 mm ²	10 mm
18 3528	95.00 mm ²	12 mm
18 3529	95.00 mm ²	14 mm
18 3530	95.00 mm ²	16 mm
18 3531	120.00 mm ²	10 mm
18 3532	120.00 mm ²	12 mm
18 3533	120.00 mm ²	14 mm
18 3534	120.00 mm ²	16 mm
18 3535	120.00 mm ²	20 mm
18 3536	150.00 mm ²	10 mm
18 3537	150.00 mm ²	12 mm
18 3538	150.00 mm ²	14 mm
18 3539	150.00 mm ²	16 mm
18 3540	150.00 mm ²	20 mm
18 3541	185.00 mm ²	10 mm
18 3542	185.00 mm ²	12 mm
18 3543	185.00 mm ²	14 mm
18 3544	185.00 mm ²	16 mm
18 3545	185.00 mm ²	20 mm
18 3546	240.00 mm ²	12 mm
18 3547	240.00 mm ²	14 mm
18 3548	240.00 mm ²	16 mm
18 3549	240.00 mm ²	20 mm
18 3550	300.00 mm ²	14 mm
18 3551	300.00 mm ²	16 mm
18 3552	300.00 mm ²	20 mm
18 3553	400.00 mm ²	14 mm
18 3554	400.00 mm ²	16 mm
18 3555	400.00 mm ²	20 mm
18 3556	500.00 mm ²	16 mm
18 3557	500.00 mm ²	20 mm
18 3558	625.00 mm ²	16 mm
18 3559	625.00 mm ²	20 mm

Compression cable lugs, Al, DIN 46329

Made of E-Al, bare, barrier seal design with oil stop



Article no.	Cross section	
	mm ²	se
18 3617	50 mm ²	70 mm ²
18 3618	50 mm ²	70 mm ²
18 3619	50 mm ²	70 mm ²
18 3622	70 mm ²	95 mm ²
18 3623	70 mm ²	95 mm ²
18 3624	70 mm ²	95 mm ²
18 3627	95 mm ²	120 mm ²
18 3628	95 mm ²	120 mm ²
18 3630	95 mm ²	120 mm ²
18 3631	120 mm ²	150 mm ²
18 3632	120 mm ²	150 mm ²
18 3634	120 mm ²	150 mm ²
18 3636	150 mm ²	185 mm ²
18 3637	150 mm ²	185 mm ²
18 3639	150 mm ²	185 mm ²
18 3640	150 mm ²	185 mm ²
18 3641	185 mm ²	240 mm ²
18 3642	185 mm ²	240 mm ²
18 3644	185 mm ²	240 mm ²
18 3645	185 mm ²	240 mm ²
18 3646	240 mm ²	300 mm ²
18 3647	240 mm ²	300 mm ²
18 3648	240 mm ²	300 mm ²
18 3649	240 mm ²	300 mm ²
18 3650	300 mm ²	-
18 3651	300 mm ²	-
18 3652	300 mm ²	-
18 3653	400 mm ²	-
18 3654	400 mm ²	-
18 3655	400 mm ²	-
18 3656	500 mm ²	-
18 3657	500 mm ²	-
18 3658	500 mm ²	-

Compression connectors, Cu, DIN 46267, part I

For connections with strain relief, particularly suitable for finely stranded conductors according to IEC 228, annealed to copper hardness F 20



Article no.	Cross section
18 3700	6 mm ²
18 3701	10 mm ²
18 3702	16 mm ²
18 3703	25 mm ²
18 3704	35 mm ²
18 3705	50 mm ²
18 3706	70 mm ²
18 3707	95 mm ²
18 3708	120 mm ²
18 3709	150 mm ²
18 3710	185 mm ²
18 3711	240 mm ²
18 3712	300 mm ²
18 3713	400 mm ²
18 3714	500 mm ²
18 3715	625 mm ²

Compression connectors, Al, DIN 46267, Part 2

Made of E-Al, bare. For pre-rounded sm/se sector-shaped conductors



Article no.	Cross section	
	rm/sm	se
18 3860	35 mm ²	50 mm ²
18 3861	50 mm ²	70 mm ²
18 3862	70 mm ²	95 mm ²
18 3863	95 mm ²	120 mm ²
18 3864	120 mm ²	150 mm ²
18 3865	150 mm ²	185 mm ²
18 3866	185 mm ²	240 mm ²
18 3867	240 mm ²	300 mm ²
18 3868	300 mm ²	-
18 3869	400 mm ²	-

Compression cable lugs, Al-Cu

Made of E-Al and E-Cu according to EN 13600, bare



Article no.	Cross section	
	rm/sm	se
18 3910	25 mm ²	35 mm ²
18 3911	25 mm ²	35 mm ²
18 3912	25 mm ²	35 mm ²
18 3914	35 mm ²	50 mm ²
18 3915	35 mm ²	50 mm ²
18 3918	50 mm ²	70 mm ²
18 3919	50 mm ²	70 mm ²
18 3923	70 mm ²	95 mm ²
18 3924	70 mm ²	95 mm ²
18 3928	95 mm ²	120 mm ²
18 3930	95 mm ²	120 mm ²
18 3932	120 mm ²	150 mm ²
18 3934	120 mm ²	150 mm ²
18 3937	150 mm ²	185 mm ²
18 3939	150 mm ²	185 mm ²
18 3942	185 mm ²	240 mm ²
18 3944	185 mm ²	240 mm ²
18 3946	240 mm ²	300 mm ²
18 3948	240 mm ²	300 mm ²
18 3951	300 mm ²	-
18 3952	300 mm ²	-

Insulated cable connectors

Crimping cable lugs, ring-shaped, Cu

Insulated, DIN 46237 from 0.5 - 6 mm², for connections with strain relief, insulation: PA (polyamide, nylon), halogen-free



Article no.	Cross section	Bolt ø
18 0008	0.1 - 0.4 mm ²	2 mm
18 0010	0.1 - 0.4 mm ²	3 mm
18 0014	0.1 - 0.4 mm ²	4 mm
18 0016	0.1 - 0.4 mm ²	5 mm
18 0020	0.5 - 1.0 mm ²	3 mm
18 0024	0.5 - 1.0 mm ²	4 mm
18 0026	0.5 - 1.0 mm ²	5 mm
18 0028	0.5 - 1.0 mm ²	6 mm
18 0027	0.5 - 1.0 mm ²	8 mm
18 0029	0.5 - 1.0 mm ²	10 mm
18 0030	1.5 - 2.5 mm ²	3 mm
18 0034	1.5 - 2.5 mm ²	4 mm
18 0036	1.5 - 2.5 mm ²	5 mm
18 0038	1.5 - 2.5 mm ²	6 mm
18 0040	1.5 - 2.5 mm ²	8 mm
18 0042	1.5 - 2.5 mm ²	10 mm
18 0050	4.0 - 6.0 mm ²	4 mm
18 0052	4.0 - 6.0 mm ²	5 mm
18 0054	4.0 - 6.0 mm ²	6 mm
18 0056	4.0 - 6.0 mm ²	8 mm
18 0058	4.0 - 6.0 mm ²	10 mm
18 0070	10.0 mm ²	5 mm
18 0072	10.0 mm ²	6 mm

Insulated cable connectors Crimping cable lugs, ring-shaped, Cu

18 0074	10.0 mm ²	8 mm
18 0076	10.0 mm ²	10 mm
18 0078	10.0 mm ²	12 mm
18 0080	16.0 mm ²	5 mm
18 0082	16.0 mm ²	6 mm
18 0084	16.0 mm ²	8 mm
18 0086	16.0 mm ²	10 mm
18 0088	16.0 mm ²	12 mm

Crimping cable lugs, fork-shaped, Cu

Insulated, DIN 46237 from 0.5 - 6 mm², for connections with strain relief, insulation: PA (polyamide, nylon), halogen-free



Article no.	Cross section	Bolt ø
18 0118	0.1 - 0.4 mm ²	3 mm
18 0120	0.5 - 1.0 mm ²	3 mm
18 0124	0.5 - 1.0 mm ²	4 mm
18 0126	0.5 - 1.0 mm ²	5 mm
18 0128	0.5 - 1.0 mm ²	6 mm
18 0140	1.5 - 2.5 mm ²	3 mm
18 0144	1.5 - 2.5 mm ²	4 mm
18 0146	1.5 - 2.5 mm ²	5 mm
18 0148	1.5 - 2.5 mm ²	6 mm
18 0160	4.0 - 6.0 mm ²	4 mm
18 0162	4.0 - 6.0 mm ²	5 mm
18 0164	4.0 - 6.0 mm ²	6 mm
18 0166	4.0 - 6.0 mm ²	8 mm
18 0168	4.0 - 6.0 mm ²	10 mm
18 0170	10.0 mm ²	5 mm
18 0172	10.0 mm ²	6 mm
18 0174	16.0 mm ²	6 mm

Crimping cable lugs, pin-shaped, Cu

Insulated, DIN 46231 from 0.5 - 6 mm², for connections with strain relief, insulation: PA (polyamide, nylon), halogen-free



Article no.	Cross section	Pin length
18 0220	0.1 - 0.4 mm ²	9 mm
18 0222	0.5 - 1.0 mm ²	10 mm
18 0224	1.5 - 2.5 mm ²	10 mm
18 0226	4.0 - 6.0 mm ²	11 mm
18 0227	10.0 mm ²	11 mm
18 0228	16.0 mm ²	15 mm

Blade receptacles with branch

Insulated, insulation: PA (polyamide, nylon), halogen-free



Article no.	Cross section	Connector size
18 0280	0.5 - 1.0 mm ²	6.3 x 0.8 mm
18 0282	1.5 - 2.5 mm ²	6.3 x 0.8 mm
18 0284	4.0 - 6.0 mm ²	6.3 x 0.8 mm

Blade terminal

Insulated, insulation: PA (polyamide, nylon), halogen-free



Article no.	Cross section	Connector size
18 0286	0.5 - 1.0 mm ²	2.8 x 0.8 mm
18 0288	0.5 - 1.0 mm ²	4.8 x 0.8 mm
18 0284	4.0 - 6.0 mm ²	6.3 x 0.8 mm
18 0290	0.5 - 1.0 mm ²	6.3 x 0.8 mm
18 0291	1.5 - 2.5 mm ²	4.8 x 0.8 mm
18 0292	1.5 - 2.5 mm ²	6.3 x 0.8 mm
18 0294	4.0 - 6.0 mm ²	6.3 x 0.8 mm



Circular sockets

Insulated, insulation: PA (polyamide, nylon), halogen-free

Article no.	Cross section	Connector size
18 0310	0.5 - 1.0 mm ²	4 mm
18 0312	1.5 - 2.5 mm ²	5 mm
18 0314	4.0 - 6.0 mm ²	5 mm

Pin terminal

Insulated, for connections with strain relief, insulation: PA (polyamide, nylon), halogen-free

Article no.	Cross section	Connector size
18 0300	0.5 - 1.0 mm ²	4 mm
18 0302	1.5 - 2.5 mm ²	5 mm
18 0304	4.0 - 6.0 mm ²	5 mm

Parallel connectors

Insulated, for connections with strain relief, insulation: PVC/PE

Article no.	Cross section	Material
18 0318	0.1 - 0.4 mm ²	PE
18 0320	0.5 - 1.0 mm ²	PVC
18 0322	1.5 - 2.5 mm ²	PVC
18 0324	4.0 - 6.0 mm ²	PVC

Butt connectors

Insulated, for connections with strain relief, insulation: PA (polyamide, nylon), halogen-free

Article no.	Cross section	Colour
18 0328	0.1 - 0.4 mm ²	Yellow
18 0330	0.5 - 1.0 mm ²	red
18 0332	1.5 - 2.5 mm ²	blue
18 0334	4.0 - 6.0 mm ²	Yellow

Butt connectors with shrink insulation

For connections with strain relief, polyolefin insulation with inner layer of hot-melt adhesive, shrink temperature +150 °C

Article no.	Cross section	Colour
18 0340	0.5 - 1.0 mm ²	red
18 0342	1.5 - 2.5 mm ²	blue
18 0346	4.0 - 6.0 mm ²	Yellow

Insulated wire end ferrules, in tapes

Polypropylene insulation, length 14 mm

Colour row according to DIN 46228, part 4

Article no.	Cross section	Colour
18 4500	0.50 mm ²	white
18 4502	0.75 mm ²	grey
18 4504	1.00 mm ²	red
18 4506	1.50 mm ²	black
18 4508	2.50 mm ²	blue

Colour row I

Article no.	Cross section	Colour
18 4460	0.50 mm ²	white
18 4462	0.75 mm ²	blue
18 4464	1.00 mm ²	red
18 4466	1.50 mm ²	black
18 4468	2.50 mm ²	grey

Insulated wire end ferrules, in tapes

Colour row 2

Article no.	Cross section	Colour
18 4480	0.50 mm ²	orange
18 4482	0.75 mm ²	white
18 4484	1.00 mm ²	Yellow
18 4486	1.50 mm ²	red
18 4488	2.50 mm ²	blue

Insulated wire end ferrules according to DIN 46228, Part 4 and special dimensions

Polypropylene insulation, for effortless attachment to finely stranded copper conductors, prevents damage and fanning out

Article no.	Cross section	Length
18 2310	0.50 mm ²	12 mm
18 2312	0.50 mm ²	14 mm
18 2314	0.50 mm ²	16 mm
18 2316	0.75 mm ²	12 mm
18 2318	0.75 mm ²	14 mm
18 2320	0.75 mm ²	16 mm
18 2322	0.75 mm ²	18 mm
18 2324	1.00 mm ²	12 mm
18 2326	1.00 mm ²	14 mm
18 2328	1.00 mm ²	16 mm
18 2330	1.00 mm ²	18 mm
18 2332	1.50 mm ²	14 mm
18 2334	1.50 mm ²	16 mm
18 2335	1.50 mm ²	18 mm
18 2336	1.50 mm ²	24 mm
18 2338	2.50 mm ²	15 mm
18 2340	2.50 mm ²	18 mm
18 2342	2.50 mm ²	25 mm
18 2344	4.00 mm ²	17 mm
18 2346	4.00 mm ²	20 mm
18 2348	4.00 mm ²	26 mm
18 2350	6.00 mm ²	20 mm
18 2352	6.00 mm ²	26 mm
18 2354	10.00 mm ²	22 mm
18 2356	10.00 mm ²	28 mm
18 2358	16.00 mm ²	24 mm
18 2360	16.00 mm ²	28 mm
18 2362	25.00 mm ²	30 mm
18 2364	25.00 mm ²	36 mm
18 2366	35.00 mm ²	30 mm
18 2368	35.00 mm ²	39 mm
18 2370	50.00 mm ²	36 mm
18 2372	50.00 mm ²	40 mm
18 2374	70.00 mm ²	37 mm
18 2376	95.00 mm ²	44 mm
18 2378	120.00 mm ²	48 mm
18 2380	150.00 mm ²	58 mm

Insulated wire end ferrules, dimensions according to DIN 46228, part 4, colour row I

Polypropylene insulation, for effortless attachment to finely stranded copper conductors, prevents damage and fanning out

Article no.	Cross section	Length
18 0988	0.25 mm ²	10 mm
18 0990	0.25 mm ²	12 mm
18 0992	0.34 mm ²	10 mm
18 0994	0.34 mm ²	12 mm
18 0996	0.50 mm ²	12 mm
18 0998	0.50 mm ²	14 mm
18 4998	0.50 mm ²	14 mm
18 0999	0.50 mm ²	16 mm
18 0940	0.75 mm ²	12 mm
18 1000	0.75 mm ²	14 mm
18 5000	0.75 mm ²	14 mm
18 1001	0.75 mm ²	16 mm



Insulated wire end ferrules, dimensions according to DIN 46228, part 4, colour row I

See previous page for description

18 0942	0.75 mm ²	18 mm
18 0944	1.00 mm ²	12 mm
18 1002	1.00 mm ²	14 mm
18 5002	1.00 mm ²	14 mm
18 1003	1.00 mm ²	16 mm
18 0946	1.00 mm ²	18 mm
18 1004	1.50 mm ²	14 mm
18 5004	1.50 mm ²	14 mm
18 0948	1.50 mm ²	16 mm
18 0949	1.50 mm ²	18 mm

Insulated wire end ferrule sets

400 pieces, sorted, in a practical dispenser, stackable

Contents:

- 50 pcs 0.50 mm² 8 mm long
- 100 pcs 0.75 mm² 8 mm long
- 100 pcs 1.00 mm² 8 mm long
- 100 pcs 1.50 mm² 8 mm long
- 50 pcs 2.50 mm² 8 mm long

Article no.

18 1502

18 1503

18 1504

Colour row

1

2

DIN

100 pieces, sorted, in a practical dispenser, stackable

Contents:

- 50 pcs 4.0 mm² 10 mm long
- 20 pcs 6.0 mm² 12 mm long
- 20 pcs 10 mm² 12 mm long
- 10 pcs 16 mm² 12 mm long

Article no.

18 1505

18 1506

18 1507

Colour row

1

2

DIN

Insulated twin wire end ferrules

Polypropylene insulation, for effortless attachment to finely stranded copper conductors, prevents damage and fanning out

Colour row according to DIN 46228, part 4

Article no.	Cross section	Length
18 2460	2.0 × 0.50 mm ²	15 mm
18 2462	2.0 × 0.75 mm ²	15 mm
18 2464	2.0 × 0.75 mm ²	17 mm
18 2466	2.0 × 1.00 mm ²	15 mm
18 2468	2.0 × 1.00 mm ²	17 mm
18 2470	2.0 × 1.50 mm ²	16 mm
18 2472	2.0 × 1.50 mm ²	20 mm
18 2474	2.0 × 2.50 mm ²	18.5 mm
18 2476	2.0 × 2.50 mm ²	21.5 mm
18 2478	2.0 × 4.00 mm ²	23 mm
18 2480	2.0 × 6.00 mm ²	26 mm
18 2482	2.0 × 10.00 mm ²	26 mm
18 2484	2.0 × 16.00 mm ²	30 mm

Colour row 1

Article no.	Cross section	Length
18 2400	2.0 × 0.50 mm ²	15 mm
18 2402	2.0 × 0.75 mm ²	15 mm
18 2404	2.0 × 0.75 mm ²	17 mm
18 2406	2.0 × 1.00 mm ²	15 mm
18 2408	2.0 × 1.00 mm ²	17 mm
18 2410	2.0 × 1.50 mm ²	16 mm
18 2412	2.0 × 1.50 mm ²	20 mm
18 2414	2.0 × 2.50 mm ²	18.5 mm
18 2416	2.0 × 2.50 mm ²	21.5 mm
18 2418	2.0 × 4.00 mm ²	23 mm
18 2420	2.0 × 6.00 mm ²	26 mm
18 2422	2.0 × 10.00 mm ²	26 mm
18 2424	2.0 × 16.00 mm ²	30 mm

Colour row 2

Article no.	Cross section	Length
18 2430	2.0 × 0.50 mm ²	15 mm
18 2432	2.0 × 0.75 mm ²	15 mm
18 2434	2.0 × 0.75 mm ²	17 mm
18 2436	2.0 × 1.00 mm ²	15 mm
18 2438	2.0 × 1.00 mm ²	17 mm
18 2440	2.0 × 1.50 mm ²	16 mm
18 2442	2.0 × 1.50 mm ²	20 mm
18 2444	2.0 × 2.50 mm ²	18.5 mm
18 2446	2.0 × 2.50 mm ²	21.5 mm
18 2448	2.0 × 4.00 mm ²	23 mm
18 2450	2.0 × 6.00 mm ²	26 mm
18 2452	2.0 × 10.00 mm ²	26 mm
18 2454	2.0 × 16.00 mm ²	30 mm

Multi-purpose screws

Chipboard screws, galvanised, countersunk head with Pozidriv cross-head

Article no.	Ø	Length
19 0005	3.0 mm	16 mm
19 0006	3.0 mm	20 mm
19 0014*	3.5 mm	15 mm
19 0015	3.5 mm	20 mm
19 0016*	3.5 mm	25 mm
19 0017	3.5 mm	30 mm
19 0019*	3.5 mm	40 mm
19 0026	4.0 mm	25 mm
19 0027	4.0 mm	30 mm
19 0028	4.0 mm	35 mm
19 0029	4.0 mm	40 mm
19 0030	4.0 mm	45 mm
19 0031	4.0 mm	50 mm
19 0040	4.5 mm	35 mm
19 0041	4.5 mm	40 mm
19 0042	4.5 mm	45 mm
19 0043	4.5 mm	50 mm
19 0044	4.5 mm	60 mm
19 0051	5.0 mm	30 mm
19 0053	5.0 mm	40 mm
19 0054	5.0 mm	50 mm
19 0055	5.0 mm	60 mm
19 0056	5.0 mm	80 mm
19 0062	6.0 mm	45 mm
19 0063	6.0 mm	50 mm
19 0064	6.0 mm	60 mm

*Device screw

Multi-purpose screws

Chipboard screws, galvanised, round head (pan head)
with Pozidriv cross-head

Article no.	Ø	Length
I9 0088	3.5 mm	16 mm
I9 0089	3.5 mm	20 mm
I9 0090	3.5 mm	25 mm
I9 0091	3.5 mm	30 mm
I9 0092	3.5 mm	35 mm
I9 0093	3.5 mm	40 mm

Multi-purpose screws

19 0098	4.0 mm	20 mm
19 0099	4.0 mm	25 mm
19 0100	4.0 mm	30 mm
19 0101	4.0 mm	35 mm
19 0102	4.0 mm	40 mm
19 0103	4.0 mm	45 mm
19 0104	4.0 mm	50 mm
19 0108	4.5 mm	25 mm
19 0109	4.5 mm	30 mm
19 0110	4.5 mm	35 mm
19 0111	4.5 mm	40 mm
19 0112	4.5 mm	45 mm
19 0113	4.5 mm	50 mm
19 0118	5.0 mm	30 mm
19 0119	5.0 mm	35 mm
19 0120	5.0 mm	40 mm
19 0121	5.0 mm	50 mm
19 0122	5.0 mm	60 mm
19 0126	6.0 mm	60 mm

Multi-purpose screws

Chipboard screws, hardened steel, galvanised, round head with internal serration drive for TORX® tools



Article no.	Ø	Length
19 1201	3.0 mm	20 mm
19 1205	3.5 mm	16 mm
19 1206	3.5 mm	20 mm
19 1208	3.5 mm	30 mm
19 1210	3.5 mm	40 mm
19 1215	4.0 mm	30 mm
19 1216	4.0 mm	35 mm
19 1217	4.0 mm	40 mm
19 1219	4.0 mm	50 mm
19 1227	4.5 mm	40 mm
19 1228	4.5 mm	45 mm
19 1229	4.5 mm	50 mm
19 1235	5.0 mm	40 mm
19 1237	5.0 mm	50 mm
19 1238	5.0 mm	60 mm

Sheet metal screws (self-drilling screws)

According to DIN 7504M (previously N), self-drilling, hardened steel, galvanised, round head, raised head with Phillips cross-head, sheet metal screw thread according to DIN 7970



Article no.	Ø	Length
19 0410	3.5 mm	9.5 mm
19 0411	3.5 mm	13 mm
19 0412	3.5 mm	16 mm
19 0413	3.5 mm	19 mm
19 0416	3.9 mm	13 mm
19 0417	3.9 mm	16 mm
19 0418	3.9 mm	19 mm
19 0419	3.9 mm	25 mm
19 0422	4.2 mm	13 mm
19 0423	4.2 mm	16 mm
19 0424	4.2 mm	19 mm
19 0425	4.2 mm	22 mm
19 0426	4.2 mm	25 mm
19 0432	4.8 mm	13 mm
19 0433	4.8 mm	16 mm
19 0434	4.8 mm	19 mm
19 0435	4.8 mm	22 mm
19 0436	4.8 mm	25 mm

Cylinder head screws

According to ISO 1207, EN 21207 or DIN 84, Form A, with slot, made of tempered steel, galvanised, Grade 4.8



Article no.	Ø	Length
19 0800	M 3	10 mm
19 0806	M 3	16 mm
19 0808	M 3	20 mm
19 0811	M 3	30 mm
19 0828	M 4	10 mm
19 0832	M 4	16 mm
19 0834	M 4	20 mm
19 0836	M 4	25 mm
19 0837	M 4	30 mm
19 0839	M 4	40 mm
19 0848	M 5	10 mm
19 0862	M 5	16 mm
19 0864	M 5	20 mm
19 0866	M 5	25 mm
19 0867	M 5	30 mm
19 0869	M 5	40 mm
19 0878	M 6	10 mm
19 0882	M 6	16 mm
19 0884	M 6	20 mm
19 0887	M 6	25 mm
19 0888	M 6	30 mm
19 0890	M 6	40 mm
19 0908	M 8	30 mm
19 0910	M 8	40 mm

Hex nuts

According to ISO 4032, EN 24032 and DIN 934, galvanised steel, Grade 8



Article no.	Ø	For size
19 2000	M 3	Size 5.5
19 2001	M 4	Size 7
19 2002	M 5	Size 8
19 2003	M 6	Size 10
19 2005	M 8	Size 13
19 2006	M 10	Size 17
19 2007	M 12	Size 19

Washers

According to ISO 7089, EN 27089 and DIN 125, Form A without chamfer; galvanised steel



Article no.	For screws	Internal Ø
19 2600	M 3	3.2 mm
19 2602	M 4	4.3 mm
19 2603	M 5	5.3 mm
19 2604	M 6	6.4 mm
19 2606	M 8	8.4 mm
19 2607	M 10	10.5 mm
19 2608	M 12	13.0 mm

Washers

According to ISO 7093, EN 27093 and DIN 9021N, steel, galvanised, external diameter = approx. 3 x thread diameter



Article no.	For screws	Internal Ø
19 2650	M 4	4.3 mm
19 2651	M 5	5.3 mm
19 2652	M 6	6.4 mm
19 2654	M 8	8.4 mm
19 2656	M 10	10.5 mm

Hydrauliksystem GeniUS 2.0

With the GENIUS 2.0, we present the improved version of the multi-functional tool from CIMCO. The further development was achieved with many small details which make the device even better and even more durable.

The GENIUS 2.0 system consists of a small, compact basic unit in rod form and interchangeable heads, which can be replaced simply and safely with a quick-release system.

The basic device is one of the smallest **60 kN battery-powered hydraulic units** on the global market and also features the largest power range of any comparable tools. At just 2.5 kg, it is an **absolute lightweight**.

The product range of **replaceable heads** comprises a crimping head, a replaceable head for cutting copper and aluminium cables and an additional replaceable head for hole punching. The **intuitive locking mechanism** enables the user to exchange a head quickly, without the need for other tools.

The unit is exclusively operated with lithium-ion rechargeable batteries of the latest construction type. Every machine is supplied with 2 x 1.5 Ah rechargeable batteries.

GENIUS 2.0 is a patented and absolutely **brilliant interchangeable head system**, with which a wide variety of applications can be carried out with only one device and with professional quality.



HIGHLIGHT

One device, revolutionary possibilities:

Crimping

The changeable crimping head is suitable for common half-shell lugs up to 300 mm².



Cutting

Unusual cutting head, as it is the only head of this type which can cut copper and aluminium cables up to a diameter of 50 mm.



Hole-punching

With the replaceable head for hole punching, all CIMCO screw punchers up to ISO 63 or square up to 92 x 92 mm can be used.



cimco[®]
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