DRILLS, **HOLE SAWS, DIAMOND TOOLS**

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14.5

916,5

18,5

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Interchangeable centring drill

On a step drill, the tapping device is the part that is under the most stress. Therefore, CIMCO step drills have exchangable centring drill. Once the centring drill become worn, it is only these drill that are replaced within in a matter of seconds and not the entire drill bit- which saves a lot of money.

Special centring point design

The double-edged drill bit shape guarantees accurate centring and drilling, even when dealing with thin-walled material - no punchmarking or pre-drilling required and it is not possible to slide away.

Three flutes

On CIMCO step drills, the cutting load is distributed differently than on single or double flute constructions as it is distributed over 3 blades. This means a higher cutting performance, low pressure and vibrationfree working as well as low wear!

Back taper

Each step has a radial and axial back taper, whereby the blade represents the highest point in diameter and in the cutting step - ensuring the utmost in cutting performance and complete smoothness!

drilling steps

Each hole diameter can be accurately

deburring

drilling through the transition and into the next drill bit step in the same work

Three drive surfaces

The drill bit shaft has three clamping surfaces. This ensures a solid hold in the chuck and prevents slipping in the machine, even when dealing with severe loads.



Laser-inscribed

read in the flutes.

Automatic

stage prevents sharp edges.



• Lightest rotary drill hammer with the best power to weight ratio in the world.

550 W pneumatic rotary drill hammer

· Low weight and an ergonomic design enable low-fatigue working, especially when performing overhead work.

· Reversing brush system enables maximum torque in both clockwise and anti-clockwise directions (jammed drill bits can be released without any problems whatsoever).

· Excellent drilling progress thanks to sophisticated impact mechanism technology, ideally designed for a diameter range of 6-12 mm (dowel holes).

• Robust magnesium die-cast drive housing for ideal impact performance and long service life.

· Impact stop for normal drilling and screwing.

· Control electronics for sensitive drilling.

• Safety slipping clutch protects the user if the drill bit should become jammed.

• Power cable module measuring 4 m ensures a great freedom of movement.

• 10-year device warranty includes a 2-year full warranty (incl. wear parts).

Included in delivery: 550 W pneumatic rotary drill hammer and 2-component soft handle complete with drilling depth stop. Supplied in a professional plastic case.

Power consumption 550 Watt Idling speed 0...1450 rpm 900 rpm Nominal speed Idling mode impact rate 5790 rpm Impact rate at nominal load 4010 rpm Impact energy 1.8 Joule Recommended drilling range Hammer drilling up to a ø of: 4-12 mm

18 mm Hammer drilling in concrete: Drilling in steel up to a ø of 13 mm Drilling in wood up to a ø of 25 mm Clamping collar ø 43 mm Machine weight 1.7 kg







• Ergonomic design with rubberised handle surfaces for low-fatigue and slip-free work.

• Full wave electronic system with speed pre-selection for sensitive drilling and accurate screwing.

• Reversing brush system enables maximum torque in both clockwise and anti-clockwise directions (jammed drill bits and driven-in screws can be released without any problems whatsoever).

· Mechanic 2-speed drive with high torque in 1st gear for screwing and high speed in 2nd gear for drilling.

• Robust aluminium die-cast drive housing for ideal impact performance and long service life.

• Powerful 850 Watt motor for excellent drilling performance.

· Impact stop for normal drilling and screwing.

• Impact-resistant metal quick-action chuck ø 13 mm.

• Safety slipping clutch protects the user if the drill bit should become jammed.

ullet Suitable for use in drill stands thanks to the 43 mm clamping collar and speed pre-selection complete with locking button.

• Power cable module measuring 4 m ensures a great freedom of movement.

• 10-year device warranty

Included in delivery: 850 W 2-speed hammer drill and 2-component soft handle complete with drilling depth stop. Supplied in a professional plastic case.

850 Watt Power consumption 1st gear idling speed 0 ... 1250 rpm 2st gear idling speed 0 ... 3000 rpm Idling mode impact rate 48000 rpm 1/2" × 20 UNF Chuck adapter

Drilling capacity in ø:

Wood 40 mm 13 mm Impact drilling in concrete 20 mm Clamping collar ø 43 mm Machine weight 2.3 kg

11 0004









PU Size/mm Article no.





14.4 V 2-speed cordless screwdriver

- Powerful cordless combination drill in compact and light design.
- QuiXS rapid-action chuck changing system screw bit in the spindle and drill bit in the chuck rapid changeover between drilling and screwing possible without having to exchange tools.
- Long service life thanks to intelligent overload protection.
- 2-speed planetary drive with high torque in 1st gear for screwing and high speed in 2nd gear for drilling.
- Robust aluminium die-cast drive housing for a long service life.
- Extremely brief charging time of only 15 minutes (charging time can be viewed on the capacity display).
- · Lithium ion battery technology.
- Winner of the iF product design award 2010 award for ergonomics & functionality.
- 10 year device warranty and 2 year battery warranty.

Battery 14.4 Volt / 1.5 Ah Li-Ion

1st gear idling speed 0...360 rpm 2nd gear idling speed 0...1500 rpm Corner dimension 30 mm Chuck span 1.5 - 13 mm Drilling in wood up to a ø of 38 mm Drilling in steel up to a ø of 13 mm Screwing in wood up to a ø of 10 mm 55 Nm Max. torque (hard) Max. torque (soft) 35 Nm Charging time 15 min. Machine weight without chuck 1.3 kg Machine weight with chuck 1.6 kg

Dimensions without chuck $172 \times 58 \times 212 \text{ mm}$ Dimensions with chuck $224 \times 58 \times 212 \text{ mm}$

Included in delivery: 14.4 Volt 2-speed cordless screwdriver, ø 13 mm quick-clamping chuck, second battery pack,

CSL 30 LI quick charger with cable storage, drive protective cap. Supplied in a professional plastic case.

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Advice and ordering: Phone: +49 (0)2191 3718 01, Fax: +49 (0)2191 3718 85, E-mail: info@cimco.de

Twist drill

according to DIN 338/HSS Type N, short cylindrical, right-hand cutting, roll-forged design

| ø mm | | Spiral length | | |
|------|-----|---------------|----|---------|
| 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 |
| | | | | |



Twist drill assortment

according to DIN 338, in highly-stable plastic box with clamping bar for each drill bit

| 0 | 0 / | | | |
|------------------------------|--|------------------------|-------------|--------------------|
| | | Increasing by | | |
| Unit | ø mm | mm | | |
| Roll-milled drill | bit, HSS | | | |
| 19 | 1 - 10 | 0.5 | 1 | 20 1352 |
| 25 | 1 - 13 | 0.5 | 1 | 20 1354 |
| Profile-grounded | d drill bit, HSS, bar | e design | | |
| 19 | 1 - 10 | 0.5 | 1 | 20 1358 |
| 25 | 1 - 13 | 0.5 | 1 | 20 1360 |
| 19 25 Profile-grounded | 1 - 10 1 - 13 d drill bit, HSS, bard 1 - 10 | 0.5 e design 0.5 | 1 1 1 | 20 1354 20 1358 |

Twist drill assortment

in round plastic box, roll-milled drill bit, HSS, according to DIN 338

| iii rourid plastic | box, roll fillied di | in Dit, 1 133, according to Dit 1 330 | | |
|--------------------|----------------------|---------------------------------------|---|---------|
| | | Increasing by | | |
| Unit | ø mm | mm | | |
| 19 | 1 - 10 | 0.5 | 1 | 20 1320 |

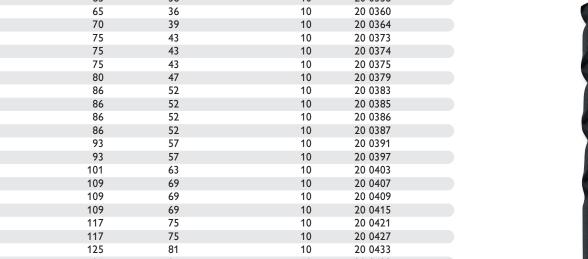
Twist drill workshop magazine

in metal box, roll-milled drill bit, HSS, according to DIN 338, 170 piece, increasing by $0.5\ mm$ 1

| 10 units each of 1.0 - 8.0 mm and 5 units each of 8.5 - 10.0 mm | 340 |
|---|-----|
|---|-----|













Stone and concrete drill bit

with carbide tipped blades and cylindrical shaft, ideal for use in cordless combination drills, optimised for constantly recurring applications in masonry

| ø mm | Total length | Spiral length | | |
|------|--------------|---------------|----|---------|
| 4 | 85 | 45 | 10 | 20 1604 |
| 5 | 90 | 50 | 10 | 20 1610 |
| 6 | 100 | 60 | 10 | 20 1614 |
| | 150 | 110 | 10 | 20 1702 |
| | 400 | 275 | 10 | 20 1752 |
| 7 | 100 | 60 | 10 | 20 1618 |
| 8 | 120 | 80 | 10 | 20 1622 |
| | 400 | 275 | 10 | 20 1758 |
| | 600 | 350 | 5 | 20 1854 |
| 10 | 150 | 110 | 10 | 20 1630 |
| | 400 | 275 | 10 | 20 1760 |
| | 600 | 400 | 5 | 20 1856 |
| 12 | 150 | 90 | 10 | 20 1634 |
| | 400 | 275 | 10 | 20 1762 |
| | 600 | 550 | 5 | 20 1858 |
| 14 | 150 | 90 | 10 | 20 1638 |
| | 600 | 500 | 10 | 20 1862 |
| | | | | |



Stone and concrete drill bit assortment, 7-piece

for hammer drills and cordless screwdrivers. With round shaft and four-spiral conveying helix for a rapid transportation of the drilling dust. Hard metal tips, premium soldering. In a practical plastic box.

4 x 80 / 5 x 95 / 5 x 150 / 6 x 100 / 8 x 120 / 10 x 120 / 12 x 150 mm 1 20 1380

PROFI SDS-Plus hammer drill

Drill bit ø x length mm

with carbide itpped blades, high drilling speed thanks to the wide Twinmax helix, the user is protected by the vibration-optimised drilling behaviour, certified by the German Masonry Drill Bit Testing Association (PGM) in accordance with the requirements as set out by the German Institute for Building Technology (DIBt), suitable for all machines with SDS plus receivers, Made in Germany

| a mm | | Spiral length | able for an inacimies man obe | , |
|--------------------|---------------------|---------------|-------------------------------|---------|
| ø mm 5 | Total length 110 | Spirai iength | 1 | 20 0202 |
| 5 | 110 | 100 | 1 | 20 8302 |
| | | | | 20 8304 |
| 6 | 110 | 50 | 1 | 20 8308 |
| - | 160 | 100 | 1 | 20 8310 |
| 7 | 110 | 50 | 1 | 20 8316 |
| _ | 160 | 100 | 1 | 20 8318 |
| 8 | 110 | 50 | 1 | 20 8320 |
| | 160 | 100 | 1 | 20 8322 |
| | 210 | 150 | 1 | 20 8324 |
| 10 | 110 | 50 | 1 | 20 8328 |
| | 160 | 100 | 1 | 20 8330 |
| | 210 | 150 | 1 | 20 8332 |
| | 310 | 250 | 1 | 20 8334 |
| | 460 | 400 | 1 | 20 8336 |
| 12 | 160 | 100 | 1 | 20 8342 |
| | 210 | 150 | 1 | 20 8343 |
| | 310 | 250 | 1 | 20 8344 |
| | 450 | 400 | 1 | 20 8346 |
| | 600 | 550 | 1 | 20 8348 |
| 14 | 160 | 100 | 1 | 20 8354 |
| | 200 | 150 | 1 | 20 8355 |
| | 300 | 250 | 1 | 20 8356 |
| | 450 | 400 | 1 | 20 8357 |
| 15 | 250 | 200 | 1 | 20 8360 |
| 16 | 160 | 100 | 1 | 20 8362 |
| | 200 | 150 | 1 | 20 8364 |
| | 450 | 400 | 1 | 20 8366 |
| | 600 | 550 | 1 | 20 8368 |
| 18 | 200 | 150 | 1 | 20 8372 |
| | 450 | 400 | 1 | 20 8373 |
| 19 | 450 | 400 | 1 | 20 8378 |
| 20 | 200 | 150 | 1 | 20 8380 |
| | 450 | 400 | 1 | 20 8382 |
| 22 | 250 | 200 | 1 | 20 8384 |
| | 450 | 400 | 1 | 20 8386 |
| 24 | 250 | 200 | 1 | 20 8388 |
| 25 | 300 | 250 | 1 | 20 8390 |
| Eurthor sizes on a | 300 | 230 | 1 | 20 0370 |



Further sizes on request.

Design Size/mm PU Article no.



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SDS-Plus hammer drill assortment, 7-piece

equipped with drill bits from our 20 8300 ff. range, supplied in a stable plastic cartridge.

Drill bit ø x length mm

5 x 110 / 6 x 110 / 6 x 160 / 8 x 110 / 8 x 160 / 10 x 160 / 12 x 160 1 20 1395

SDS-Plus hammer drill CIMCO

with carbide tipped blades, for all concrete and stone applications (concrete, aerated concrete/YTONG, sand-lime brick masonry, stone), certified by the German Masonry Drill Bit Testing Association (PGM) in accordance with the requirements as set out by the German Institute for Building Technology (DIBt), suitable for all machines with SDS plus receivers

| ømm | Total length | Spiral length | | |
|-----|--------------|---------------|---|---------|
| 5 | 110 | 50 | 1 | 20 8602 |
| | 160 | 100 | 1 | 20 8604 |
| 5.5 | 110 | 50 | 1 | 20 8605 |
| | 160 | 100 | 1 | 20 8606 |
| 6 | 110 | 50 | 1 | 20 8608 |
| | 160 | 100 | 1 | 20 8610 |
| 6.5 | 110 | 50 | 1 | 20 8616 |
| | 160 | 100 | 1 | 20 8618 |
| 8 | 110 | 50 | 1 | 20 8620 |
| | 160 | 100 | 1 | 20 8622 |
| | 210 | 150 | 1 | 20 8624 |
| 10 | 110 | 50 | 1 | 20 8628 |
| | 160 | 100 | 1 | 20 8630 |
| | 210 | 150 | 1 | 20 8632 |
| | 310 | 250 | 1 | 20 8634 |
| | 450 | 400 | 1 | 20 8636 |
| 12 | 160 | 100 | 1 | 20 8642 |
| | 210 | 150 | 1 | 20 8643 |
| | 310 | 250 | 1 | 20 8644 |
| | 450 | 400 | 1 | 20 8646 |
| | 600 | 550 | 1 | 20 8648 |
| 14 | 160 | 100 | 1 | 20 8654 |
| | 210 | 150 | 1 | 20 8655 |
| | 310 | 250 | 1 | 20 8656 |
| | 450 | 400 | 1 | 20 8657 |
| 16 | 160 | 100 | 1 | 20 8662 |
| | 210 | 150 | 1 | 20 8664 |
| | 450 | 400 | 1 | 20 8666 |
| | 600 | 550 | 1 | 20 8668 |
| 18 | 210 | 150 | 1 | 20 8672 |
| | 450 | 400 | 1 | 20 8673 |
| 20 | 210 | 150 | 1 | 20 8680 |
| | 450 | 400 | 1 | 20 8682 |
| 22 | 310 | 250 | 1 | 20 8684 |
| | 450 | 400 | 1 | 20 8686 |
| 25 | 310 | 250 | 1 | 20 8690 |
| F | | | | |



Size/mm PU





Further sizes on request.

TripleX SDS-Plus hammer drill

triple-winged carbide tipped blades with a wave-like head design and laterally reinforced blade shape make the TripleX permanently strong in the hardest concrete. Also suitable for stone, aerated concrete, sand-lime brick masonry. The TripleX owes its extreme service life and powerful drilling behaviour to an innovative and very wide hard metal design of the drilling head. The embedded hard metal head created by means of a novel production process with a curved shape withstands the highest of forces. Thanks to its three wide helixes in combination with the three hard metal blades, an ideal drilling dust removal is ensured without the drilling dust being blown out. Also remains firm in the event of reinforcement being struck.

The TripleX is certified by the German Masonry Drill Bit Testing Association (PGM) in accordance with the requirements as set out by the German Institute for Building Technology (DIBt).

| ø mm | Total length | Spiral length | | |
|------|--------------|---------------|---|---------|
| 5 | 110 | 50 | 1 | 20 8400 |
| 5 | 160 | 100 | 1 | 20 8402 |
| 5.5 | 110 | 50 | 1 | 20 8404 |
| 5.5 | 160 | 100 | 1 | 20 8406 |
| 6 | 110 | 50 | 1 | 20 8408 |
| 6 | 160 | 100 | 1 | 20 8410 |
| 6 | 210 | 150 | 1 | 20 8412 |
| 6 | 260 | 200 | 1 | 20 8414 |
| 6.5 | 110 | 50 | 1 | 20 8416 |
| 6.5 | 160 | 100 | 1 | 20 8418 |
| 6.5 | 210 | 150 | 1 | 20 8420 |
| 7 | 160 | 100 | 1 | 20 8422 |
| 7 | 210 | 150 | 1 | 20 8424 |
| 8 | 110 | 50 | 1 | 20 8426 |
| 8 | 160 | 100 | 1 | 20 8428 |
| 8 | 210 | 150 | 1 | 20 8430 |
| 8 | 260 | 200 | 1 | 20 8432 |
| 8 | 310 | 250 | 1 | 20 8434 |
| 8 | 450 | 400 | 1 | 20 8436 |
| 10 | 110 | 50 | 1 | 20 8438 |
| 10 | 160 | 100 | 1 | 20 8440 |
| 10 | 210 | 150 | 1 | 20 8442 |
| 10 | 260 | 200 | 1 | 20 8444 |
| 10 | 310 | 250 | 1 | 20 8446 |
| 10 | 450 | 400 | 1 | 20 8448 |
| 10 | 600 | 550 | 1 | 20 8450 |
| 12 | 160 | 100 | 1 | 20 8452 |
| 12 | 210 | 150 | 1 | 20 8454 |
| 12 | 260 | 200 | 1 | 20 8456 |
| 12 | 310 | 250 | 1 | 20 8458 |
| 12 | 450 | 400 | 1 | 20 8460 |
| 12 | 600 | 550 | 1 | 20 8462 |
| 14 | 160 | 110 | 1 | 20 8464 |
| 14 | 200 | 150 | 1 | 20 8466 |
| 14 | 250 | 200 | 1 | 20 8468 |
| 14 | 300 | 250 | 1 | 20 8470 |
| 14 | 450 | 400 | 1 | 20 8472 |
| 14 | 600 | 550 | 1 | 20 8474 |
| 16 | 200 | 150 | 1 | 20 8476 |
| 16 | 260 | 200 | 1 | 20 8478 |
| 16 | 300 | 250 | 1 | 20 8480 |
| 16 | 450 | 400 | 1 | 20 8482 |
| 16 | 600 | 550 | 1 | 20 8484 |
| | | | | |





cimco

SDS-MAX hammer drill

with carbide tipped blades, 12 - 15 mm \emptyset = 2 blades, from 16 mm in \emptyset = 4 blades, with SDS-MAX receivers system, suitable for all machines with SDS-MAX receivers.

| 12 | ø mm | Total length | Spiral length | | |
|---|------|--------------|---------------|---|---------|
| 690 550 1 20 8104 | 12 | 340 | 200 | 1 | 20 8100 |
| 14 340 200 1 20 8106 15 340 200 1 20 8110 15 540 400 1 20 8111 16 340 200 1 20 8114 16 340 400 1 20 8116 18 340 400 1 20 8118 18 340 400 1 20 8120 20 320 200 1 20 8120 20 320 200 1 20 8124 920 800 1 20 8126 22 320 200 1 20 8128 22 320 200 1 20 8132 24 320 200 1 20 8132 24 320 200 1 20 8134 25 320 400 1 20 8136 25 320 400 1 20 8146 28 370 250 1 20 8142 28 370 250 1 20 81 | | 540 | 400 | 1 | 20 8102 |
| 15 340 400 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 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 8132 24 320 200 1 20 8134 520 400 1 20 8136 25 320 200 1 20 8146 25 320 200 1 20 8146 25 320 400 1 20 8146 30 370 250 1 <t< td=""><td></td><td>690</td><td>550</td><td>1</td><td>20 8104</td></t<> | | 690 | 550 | 1 | 20 8104 |
| 15 340 200 1 20 8110 16 340 200 1 20 8112 16 540 400 1 20 8114 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 8132 22 320 200 1 20 8132 24 320 200 1 20 8132 24 320 200 1 20 8132 24 320 200 1 20 8136 25 320 200 1 20 8136 25 320 400 1 20 8136 25 320 400 1 20 8144 28 370 250 1 20 8146 30 370 250 1 20 8156 <td< td=""><td>14</td><td>340</td><td>200</td><td>1</td><td>20 8106</td></td<> | 14 | 340 | 200 | 1 | 20 8106 |
| 540 400 1 20 8112 16 340 200 1 20 8114 540 400 1 20 8116 18 340 400 1 20 8120 20 320 200 1 20 8120 20 320 200 1 20 8122 520 400 1 20 8126 22 320 200 1 20 8128 520 400 1 20 8130 920 800 1 20 8130 24 320 200 1 20 8134 25 320 200 1 20 8134 25 320 200 1 20 8136 25 320 200 1 20 8136 25 320 200 1 20 8138 25 320 200 1 20 8140 920 800 1 20 8144 28 370 250 1 20 8146 30 370 250 < | | 540 | 400 | 1 | 20 8108 |
| 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 8128 22 320 200 1 20 8130 920 800 1 20 8132 24 320 200 1 20 8134 25 320 200 1 20 8136 25 320 200 1 20 8136 25 320 200 1 20 8140 25 320 400 1 20 8138 25 320 400 1 20 8140 28 370 250 1 20 8142 28 370 250 1 20 8146 30 370 250 1 20 8156 32 370 <t< td=""><td>15</td><td>340</td><td>200</td><td>1</td><td>20 8110</td></t<> | 15 | 340 | 200 | 1 | 20 8110 |
| 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 8130 920 800 1 20 8130 920 800 1 20 8132 24 320 200 1 20 8134 520 400 1 20 8136 25 320 200 1 20 8136 25 320 200 1 20 8136 25 320 400 1 20 8136 25 320 400 1 20 8136 25 320 800 1 20 8140 920 800 1 20 8144 570 450 1 20 8156 30 370 250 1 20 8156 | | 540 | 400 | 1 | 20 8112 |
| 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 8130 920 800 1 20 8132 24 320 200 1 20 8134 25 320 200 1 20 8136 25 320 200 1 20 8138 25 320 200 1 20 8136 25 320 200 1 20 8136 25 320 200 1 20 8136 25 320 800 1 20 8140 28 370 250 1 20 8144 30 370 250 1 20 8156 30 370 250 1 20 8156 32 370 250 1 20 8156 35 <td< td=""><td>16</td><td>340</td><td>200</td><td>1</td><td>20 8114</td></td<> | 16 | 340 | 200 | 1 | 20 8114 |
| 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 8138 520 400 1 20 8130 920 800 1 20 8134 24 320 200 1 20 8134 520 400 1 20 8138 25 320 200 1 20 8138 25 320 200 1 20 8138 25 320 400 1 20 8140 920 800 1 20 8140 920 800 1 20 8142 28 370 250 1 20 8146 30 370 250 1 20 8150 570 450 1 20 8152 32 370 250 1 20 8156 920 800 1 20 8160 570 | | 540 | 400 | 1 | 20 8116 |
| 20 320 200 1 20 8122 520 400 1 20 8124 920 800 1 20 8126 22 320 200 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 8138 520 400 1 20 8138 25 320 200 1 20 8140 920 800 1 20 8140 920 800 1 20 8142 28 370 250 1 20 8144 30 370 250 1 20 8150 32 370 250 1 20 8154 570 450 1 20 8156 920 800 1 20 8156 920 800 1 20 8156 920 800 | 18 | 340 | 400 | 1 | 20 8118 |
| 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 8140 920 800 1 20 8142 28 370 250 1 20 8144 30 370 250 1 20 8156 30 370 250 1 20 8152 32 370 250 1 20 8156 32 370 250 1 20 8156 35 370 250 1 20 8166 35 370 250 1 20 8162 670 550 1 20 8166 | | 540 | 400 | 1 | 20 8120 |
| 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 8138 520 400 1 20 8140 920 800 1 20 8142 28 370 250 1 20 8144 570 450 1 20 8150 570 450 1 20 8152 32 370 250 1 20 8152 32 370 250 1 20 8154 570 450 1 20 8156 920 800 1 20 8156 920 800 1 20 8156 920 800 1 20 8156 920 800 1 20 8166 570 450 1 20 8162 670 550 1 20 8164 | 20 | 320 | 200 | 1 | 20 8122 |
| 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 8138 520 400 1 20 8140 920 800 1 20 8142 28 370 250 1 20 8144 570 450 1 20 8150 570 450 1 20 8152 32 370 250 1 20 8154 570 450 1 20 8154 570 450 1 20 8156 920 800 1 20 8156 920 800 1 20 8158 35 370 250 1 20 8166 570 450 1 20 8162 670 550 1 20 8164 38 370 250 1 20 8166 670 550 1 20 8166 </td <td></td> <td>520</td> <td>400</td> <td>1</td> <td>20 8124</td> | | 520 | 400 | 1 | 20 8124 |
| 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 8150 30 370 250 1 20 8152 32 370 250 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 8166 670 550 | | 920 | 800 | 1 | 20 8126 |
| 920 800 1 20 8132 24 320 200 1 20 8134 520 400 1 20 8136 25 320 200 1 20 8140 920 800 1 20 8144 920 800 1 20 8142 28 370 250 1 20 8144 570 450 1 20 8150 30 370 250 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 8164 38 370 250 1 20 8164 38 370 250 1 20 8166 670 550 1 20 8168 40 | 22 | 320 | 200 | 1 | 20 8128 |
| 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 8150 30 370 250 1 20 8152 32 370 250 1 20 8154 570 450 1 20 8156 920 800 1 20 8158 35 370 250 1 20 8166 570 450 1 20 8162 670 550 1 20 8162 38 370 250 1 20 8164 38 370 250 1 20 8166 670 450 1 20 8168 40 370 250 1 20 8168 40 370 250 1 20 8168 | | 520 | 400 | 1 | 20 8130 |
| 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 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 8162 670 550 1 20 8164 38 370 250 1 20 8166 570 450 1 20 8168 40 370 250 1 20 8168 40 370 250 1 20 8168 40 370 250 1 20 8168 | | 920 | 800 | 1 | 20 8132 |
| 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 8150 30 370 250 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 8166 40 370 250 1 20 8168 40 370 250 1 20 8168 40 370 250 1 20 8172 | 24 | 320 | 200 | 1 | 20 8134 |
| 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 8150 30 370 250 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 8166 40 370 250 1 20 8168 40 370 250 1 20 8168 40 370 250 1 20 8172 | | 520 | 400 | 1 | 20 8136 |
| 520 400 1 20 8140 920 800 1 20 8142 28 370 250 1 20 8144 570 450 1 20 8150 30 370 250 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 8166 40 370 250 1 20 8168 40 370 250 1 20 8172 | 25 | 320 | 200 | | |
| 920 800 1 20 8142 28 370 250 1 20 8144 570 450 1 20 8150 30 370 250 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 8168 40 370 250 1 20 8172 | | 520 | 400 | 1 | |
| 28 370 250 1 20 8144 570 450 1 20 8150 30 370 250 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 | | |
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| 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 | | | | | |
| 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 | 30 | 370 | 250 | 1 | |
| 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 | | 570 | 450 | 1 | |
| 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 | 32 | 370 | | | |
| 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 | | 570 | | | |
| 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 | | | |
| 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 | 35 | | | | |
| 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 | | | | | |
| 38 370 250 1 20 8166 570 450 1 20 8168 40 370 250 1 20 8170 570 450 1 20 8172 | | | | | |
| 570 450 1 20 8168 40 370 250 1 20 8170 570 450 1 20 8172 | 38 | | | | |
| 40 370 250 1 20 8170 570 450 1 20 8172 | | | | | |
| 570 450 1 20 8172 | 40 | | | | |
| | | | | | |
| | | 920 | 800 | 1 | 20 8174 |

Multi-purpose drill bit

with carbide tipped blades and cylindrical shaft. The ideal universal drill bit for a variety of materials used during construction. A slight impact may be used when drilling in masonry and stone.

| ø mm | Total length | Spiral length | | |
|------|--------------|---------------|---|---------|
| 4 | 85 | 41 | 1 | 20 1880 |
| 5 | 95 | 44 | 1 | 20 1882 |
| 6 | 100 | 54 | 1 | 20 1884 |
| 7 | 110 | 59 | 1 | 20 1886 |
| 8 | 120 | 63 | 1 | 20 1888 |
| 10 | 120 | 83 | 1 | 20 1890 |
| 12 | 150 | 99 | 1 | 20 1892 |









19

Size/mm

300

20 8046

20 8050

Article no.

PU

for the pulling, stemming and cutting of channels.

for the pulling of narrow channels into concrete and masonry.

32 mm

26 mm

Design

Gouge

26

| Design | Size/mm | PU | Article no. | |
|--------------------------------------|--------------------------------------|-----|-------------|--|
| Toothed chisel | | | | |
| for the restoration of joints and ma | sonry. | | | |
| 32 mm | 300 | 1 | 20 8052 | |
| Mortar chisel | | | | |
| for the removal and cleaning of join | ts in masonry and mortar. | | | |
| 10 mm | 300 | 1 | 20 8054 | |
| Tile chisel | | | | |
| for the removal of tiles. | | | | |
| 50 mm | 300 | 1 | 20 8056 | |
| Winged chisel | | | | |
| for the stemming, cutting and pullin | g of channels with a depth restricti | on. | | |
| 35 mm | 380 | 1 | 20 8058 | |

the 6 accurately ground blades soldered with silver achieve excellent durability, even when dealing with hard materials. The hardened steel body with M 16 female thread and the optimised concentricity is ideally suited for concrete, stone, masonry, bricks, tiles and lightweight construction materials.

Receiver shaft in hexagonal or SDS-plus version. Low-wear hard metal teeth with slot soldering ensure maximum stability. With interchangeable centring drill bits for light impacting use (material dependent), precise incorporation of switch / distribution boxes.

| | Drilling ø mm | | |
|---------------------------------------|---------------|---|---------|
| Impact core bits in hexagonal version | 68 | 1 | 20 7311 |
| | 80 (82) | 1 | 20 7315 |
| Impact core bits with SDS-Plus | | | |
| | 68 | 1 | 20 7321 |
| | 80 (82) | 1 | 20 7325 |
| Centring drill bit | 9 (8) | 1 | 20 7340 |
| | | | |
| Hexagonal receiver shaft | Size 12 100 | 1 | 20 7330 |
| SDS-Plus receiver shaft | 110 | 1 | 20 7334 |

HSS step drill

especially for screwed cable glands in electrical assembly, perfectly round and cylindrical holes in various diameters, centring, drilling, drilling out and deburring in a single work stage, suitable for use in hand and box column drills in the fields of trade and industry, for sheet metal and plate metal, profiles and tubes manufactured from steel, brass, copper, aluminium, V2A stainless steel, plastic, wood, etc. up to 3 mm in thickness. 12 mm ø receiver shaft. Surfaces additionally coated with TiN (titanium nitrite) after hardening are extremely hard and smooth. Higher cutting speed permits quicker working, lower wear increases the durability by between 5 and 10 fold!

| Drilling ø mm | I.O.5 through-hole for Management of the form of Management of the form of Management of the form of Management of | | | |
|---------------|--|----------------|---|---------|
| | M 440 M 432 M 32 M 32 | Drill steps | | |
| HSS | • • • • • • • • | 9 | 1 | 20 1201 |
| HSS-TIN | • • • • • • • • | 9 | 1 | 20 1206 |
| HSS | • • • • • • • • • • | 11 | 1 | 20 1200 |
| HSS-TIN | • • • • • • • • • • | 11 | 1 | 20 1205 |
| HSS | • | 10 | 1 | 20 1207 |
| HSS-TIN | • | 10 | 1 | 20 1208 |
| HSS | • | 12 | 1 | 20 1209 |
| HSS-TIN | • | 12 | 1 | 20 1210 |

Replacement centring drill

| suitable for all CIMCO step drills | | | |
|------------------------------------|--------|---|---------|
| Shaft ø 6 mm | 8 mm ø | 1 | 20 1273 |
| Shaft ø 4 mm (new generation) | 8 mm ø | 1 | 20 1274 |

Size/mm





HSS step drill for screwed cable glands

special design for centric core holes and through-holes for metric screwed cable glands, with 2 flutes

Drilling range

M 12 - 32 1 20 1275

Special step drill for screw puncher

HSS step drill for the burr-free drilling of through-holes for screw puncher tension bolts in sizes M 8 ($^{3}/_{8}$ ") – M 10 ($^{7}/_{16}$ ") – M 12 – M 16 – $^{3}/_{4}$ " – M 20 in materials up to 4 mm in thickness. Suitable for use in hand and box column drills, total of 9 drill steps, receiver shaft (ø 10 mm) with 3 driver carriers prevents slipping in the chuck.

Step drill

for mechanical engineering and sheet metal processing, manufactured from HSS, complete with 2 blades, increasing by 1 mm

| Drilling range | Max. drilling depth | Receiver | | |
|----------------|---------------------|------------|---|---------|
| ø mm | mm | shaft ø mm | | |
| 4 - 12 | 5 | 6 | 1 | 20 1214 |
| 12 - 20 | 4 | 9 | 1 | 20 1216 |
| 20 - 30 | 4 | 12 | 1 | 20 1218 |

Drilling paste

| | • . | | | | |
|------|-----|--|---|---------|--|
| 50 g | | | 1 | 20 1307 | |

Sheet taper drill

for the burr-free processing of thin materials, manufactured from HSS

Drilling range

| ø mm | Shaft ø mm | Size | Length mm | | |
|-----------|------------|------|-----------|---|---------|
| 3 - 9.1 | 6 | | 60 | 1 | 20 1294 |
| 3 - 11.2 | 6 | | 60 | 1 | 20 1295 |
| 3 - 14.0 | 6 | 0 | 60 | 1 | 20 1280 |
| 8 - 20.0 | 8 | 1 | 62 | 1 | 20 1282 |
| 16 - 30.0 | 10 | 2 | 72 | 1 | 20 1284 |
| 25 - 40.0 | 12 | 3 | 83 | 1 | 20 1286 |

Sheet taper drill assortment

| in sheet steel cassette, with drilling paste | | | |
|--|---|---------|--|
| 1 unit each of No. 20 1280, No. 20 1282, No. 20 1284 | 1 | 20 1300 | |

Aerial drill

manufactured from HSS

Drilling range

| 0 0 | | | | | | |
|------------|------------|------|-----------|---|---------|--|
| ø mm | Shaft ø mm | Size | Length mm | | | |
| 9.5 - 22.5 | 8 | 1 | 80 | 1 | 20 1290 | |
| 4.0 - 30.5 | 10 | 2 | 100 | 1 | 20 1293 | |

Milling drill

manufactured from premium-quality HSS for excellent performance and high durability, ground milling teeth and deep-ground flutes for drilling, milling, separating, rasping and filing of wood, chipboard, plastics, aluminum, other non-ferrous metals, steel sheets, plasterboard.

| ø mm | Length mm | | | |
|-------------|-----------|---|---------|--|
| 6.35 (1/4") | 94 | 1 | 20 1298 | |

90° countersink bit

manufactured from HSS, 3 blades, with axial and radial back taper, $1\!\!/4$ shaft, according to DIN 3126

| Design | | Size/mm | PU | Article no. |
|--------|-------|-----------|----|-------------|
| 20.5 | 10 | 42 | 1 | 20 1987 |
| 16.5 | 8 | 38 | 1 | 20 1986 |
| 12.4 | 6 | 35 | 1 | 20 1985 |
| 10.4 | 5 | 34 | 1 | 20 1984 |
| 8.3 | 4 | 31 | 1 | 20 1983 |
| 6.3 | 3 | 31 | 1 | 20 1982 |
| ø mm | For M | Length mm | | |























6 piece, in sheet steel cassette

| 1 unit each of countersink bit 6.3 - 20.5 mm ø | 1 | 20 1989 |
|--|---|---------|
|--|---|---------|

Combination thread taps

drilling - thread cutting - deburring in a single work stage, manufactured from HSS, suitable for steel and non-ferrous metals, for material thicknesses up to $1 \times diameter$

| M 3 | 1 20 7372 |
|------|-----------|
| M 4 | 1 20 7373 |
| M 5 | 1 20 7374 |
| M 6 | 1 20 7375 |
| M 8 | 1 20 7376 |
| M 10 | 1 20 7377 |

Combination thread tap assortment

for core hole drilling, thread cutting and deburring in a single work stage, with 1/4" hexagonal shaft. This product is used in the processing of steel non-ferrous metals and plastics. Particularly useful for assembly work and small batches, supplied in a practical plastic box.

| | h of M 3 - 4 | | | | 20 7360 |
|--------------|----------------|-----------|--------|--|----------|
| I linit eaci | n ∩ ti⁴i 1 - 4 | - > - 6 - | 8 - 10 | | 70 / 360 |

HSS thread tap bits

in metal box, with thread taps according to DIN 352 for metric standard threads,

3 piece bits with roughing tap, middle tap and finish tap, 1 bit each in sizes M 3 - 4 - 5 - 6 - 8 - 10 - 12

| 8 8 1, | | |
|---|---|---------|
| | 1 | 20 3920 |
| additionally with HSS twist drills (core hole drills) | | |
| 2.5 - 3.3 - 4.2 - 5 - 6.8 - 8.5 - 10.2 mm ø | 1 | 20 3924 |

Hand thread tap DIN 352/HSS

for metric ISO thread according to DIN 13 (6 H tolerance), 3-piece bit: roughing tap - middle tap - finish tap

| | 044 40001 48 | • | . toloranco), o ploco ola 10 | 488 tap | middio tap imion tap |
|--------|--------------|---------|------------------------------|---------|----------------------|
| Thread | Increase | Shaft-ø | Total length | | |
| | mm | mm | mm | | |
| M 1.0 | 0.25 | 2.5 | 32 | 1 | 20 2100 |
| M 2.0 | 0.40 | 2.8 | 40 | 1 | 20 2110 |
| M 2.2 | 0.45 | 2.8 | 40 | 1 | 20 2112 |
| M 2.5 | 0.45 | 2.8 | 40 | 1 | 20 2114 |
| M 3.0 | 0.45 | 2.8 | 40 | 1 | 20 2116 |
| M 3.5 | 0.60 | 4.0 | 45 | 1 | 20 2118 |
| M 4.0 | 0.70 | 4.5 | 45 | 1 | 20 2120 |
| M 5.0 | 0.80 | 6.0 | 50 | 1 | 20 2123 |
| M 6.0 | 1.00 | 6.0 | 50 | 1 | 20 2124 |
| M 7.0 | 1.00 | 6.0 | 40 | 1 | 20 2125 |
| M 8.0 | 1.25 | 6.0 | 56 | 1 | 20 2126 |
| M 9.0 | 1.25 | 7.0 | 63 | 1 | 20 2127 |
| M 10.0 | 1.50 | 7.0 | 70 | 1 | 20 2128 |
| M 11.0 | 1.50 | 8.0 | 70 | 1 | 20 2129 |

HSS thread tap (Direct cut)

DIN 352/B cutting thread tap with spiral point, for metric standard thread, supplied in a plastic box 1 unit each of thread tap sizes M 3 - 4 - 5 - 6 - 8 - 10 - 12

1 unit each of HSS twist drill (core hole drills) in sizes 2.5 - 3.3 - 4.2 - 5.0 - 6.8 - 8.5 - 10.2 mm 1 tap wrench, size 1 $^{1}/_{2}$ (for M 1 - M 12 thread tap)

| 1 2 |
|-----|
|-----|

















M 12.0

HSS thread tap (direct cut)

with exposed teeth, dimensions according to DIN 352, for metric ISO thread according to DIN 13

| - i | 1 | CI 6 | T / 11 / | | 9 |
|--------|----------|---------|--------------|---|---------|
| Thread | Increase | Shaft-ø | Total length | | |
| | mm | mm | mm | | |
| M 3.0 | 0.50 | 0.50 | 40 | 1 | 20 3050 |
| M 4.0 | 0.70 | 0.70 | 45 | 1 | 20 3051 |
| M 5.0 | 0.80 | 0.80 | 50 | 1 | 20 3052 |
| M 6.0 | 1.00 | 1.00 | 50 | 1 | 20 3053 |
| M 8.0 | 1.25 | 1.25 | 56 | 1 | 20 3054 |
| M 10.0 | 1.50 | 1.50 | 70 | 1 | 20 3055 |
| M 12.0 | 1.75 | 1.75 | 75 | 1 | 20 3060 |







with ratchet for clockwise and anti-clockwise rotation, chrome plated

| Clamping ran | nge For thread | For thread taps | | | | |
|--------------|----------------|-----------------|-----|---|---------|--|
| mm | DIN | ISO | | | | |
| 2.6 - 5.5 | M 3 - 10 | M 3 - 6 | 85 | 1 | 20 7170 | |
| 4.6 - 8 | M 5 - 12 | M 6 - 12 | 110 | 1 | 20 7172 | |





for thread taps according to DIN 352

| Size | | For threa | ad tap | | | |
|-------|-----------|-----------|--|-----------|---|---------|
| | mm | metr. | Wwth. | Wwth. | | |
| | | Μ | | tube G | | |
| 0 | 2.1 - 4.9 | 1 - 8 | ¹ /16 - ¹ /4 | - | 1 | 20 7150 |
| 1 | 2.1 - 5.5 | 1 - 10 | ¹ /16 - ³ /8 | - | 1 | 20 7151 |
| 1 1/2 | 2.1 - 7 | 1 - 12 | 1/16 - 1/2 | - | 1 | 20 7152 |
| 2 | 3.8 - 7 | 4 - 12 | ³ / ₁₆ - ¹ / ₂ | 3/8 - 1/4 | 1 | 20 7153 |
| 3 | 4.9 - 12 | 5 - 21 | 1/4 - 3/4 | 1/8 - 3/8 | 1 | 20 7154 |
| 4 | 5.5 - 16 | 9 - 27 | ³ /8 - 1 | 1/8 - 3/4 | 1 | 20 7155 |



HSS thread cutting tool bit

for metric standard threads.

Supplied in metal box, with thread taps according to DIN 352, 3 piece bit in sizes M 3 - 4 - 5 - 6 - 8 - 10 - 12, threading die according to DIN 223 in sizes M 3 - 4 - 5 - 6 - 8 - 10 - 12, thread gauge,

Threading die holder mm $20 \times 5 - 20 \times 7 - 25 \times 9 - 30 \times 11 - 38 \times 14$

tap wrench size 1 - size 2

| Market Mark | , |
|-------------|---|
| | |

| tap wrench size i | SIZE Z | | |
|-------------------|--------|---|---------|
| | | 1 | 20 3930 |
| | | | |

Nipple threading die

with guidance, threading die and interchangeable thread tap $% \left\{ 1\right\} =\left\{ 1\right\}$

| M 10 + M 13 | | 1 | 14 1000 |
|-------------|--|---|---------|
| M 10 x 1 mm | | 1 | 14 1002 |
| M 13 x 1 mm | | 1 | 14 1004 |



Threading die DIN 223

pre-slit, for metric ISO threads according to DIN 13 (6 G tolerance)

| Thread | Increase | External ø | Height | | |
|--------|----------|------------|--------|---|---------|
| | mm | mm | mm | | |
| M 2.0 | 0.40 | 16 | 5 | 1 | 20 3610 |
| M 2.2 | 0.45 | 16 | 5 | 1 | 20 3612 |
| M 2.5 | 0.45 | 16 | 5 | 1 | 20 3614 |
| M 3.0 | 0.50 | 20 | 5 | 1 | 20 3616 |
| M 3.5 | 0.60 | 20 | 5 | 1 | 20 3618 |
| M 4.0 | 0.70 | 20 | 5 | 1 | 20 3620 |
| M 5.0 | 0.80 | 20 | 7 | 1 | 20 3623 |
| M 6.0 | 1.00 | 20 | 7 | 1 | 20 3624 |
| M 7.0 | 1.00 | 25 | 9 | 1 | 20 3625 |
| M 8.0 | 1.25 | 25 | 9 | 1 | 20 3626 |
| M 9.0 | 1.25 | 25 | 9 | 1 | 20 3627 |
| M 10.0 | 1.50 | 30 | 11 | 1 | 20 3628 |
| M 11.0 | 1.50 | 30 | 11 | 1 | 20 3629 |
| M 12.0 | 1.75 | 38 | 14 | 1 | 20 3630 |



Design Size/mm PU Article no.



123

8

12

15

17

19

21

22

23

2



for DIN 223 threaded dies

| Size | For thread | | Length | | | |
|------|------------|---|---------|---|---------|--|
| | metr. M | Wwth. | mm | | | |
| 0 | 1 - 2 - 6 | ¹ / ₁₆ - ³ / ₃₂ | 16 x 5 | 1 | 20 7200 | |
| 1 | 3 - 4 | ¹ /8 - ⁵ /32 | 20 x 5 | 1 | 20 7201 | |
| 2 | 4.5 - 6 | ³ /16 - ¹ /4 | 20 x 7 | 1 | 20 7202 | |
| 3 | 7 - 9 | 5/16 | 25 x 9 | 1 | 20 7203 | |
| 4 | 10 - 11 | ³ /8 - ⁷ /16 | 30 x 11 | 1 | 20 7204 | |
| 5b | 12 - 14 | ¹ /2 - ⁹ /16 | 38 x 14 | 1 | 20 7206 | |



further thread taps, threading dies and tool holders available upon request.

Thread repair assortment

Threading die holder DIN 225

for metric standard threads in sizes M 5×0.8 mm - M 6×1 mm - M 8×1.25 mm - M 10×1.5 mm - M 12×1.75 mm, the following items are clearly contained in a stable metal box: twist drill for drilling, cutting tap especially for thread attachments, hand installation tool complete with locking ring for the screwing-in of the thread attachments, pin breaker, 25 thread inserts each per size (only 10 units of M 12 size), meaning a total of 100 attachments. The thread attachments are manufactured from stainless steel, are free running and have nominal dimension length of diameter \times 1.5. The system is fully compatible with other leading brands.

> $360 \times 230 \times 30$ 20 1245



Thread cutting tools for screwed cable glands

Thread tap

for metric screwed cable glands, also in plastic, not in VA stainless steel

| | Total length | Thread length | | |
|-----------------------|---------------------|-----------------------|---|---------|
| M 12 x 1.5 | 70 | 24 | 1 | 14 0850 |
| M 16 x 1.5 | 74 | 26 | 1 | 14 0852 |
| M 20 x 1.5 | 80 | 28 | 1 | 14 0854 |
| M 25 x 1.5 | 93 | 33 | 1 | 14 0856 |
| M 32 x 1.5 | 105 | 38 | 1 | 14 0858 |
| M 40 x 1.5 | 105 | 38 | 1 | 14 0860 |
| M 50 x 1.5 | 120 | 40 | 1 | 14 0862 |
| M 63 x 1.5 | 120 | 40 | 1 | 14 0864 |
| for tube PG (steel co | onduit thread) acco | rding to DIN 40430 PG | | |
| PG 7 | 70 | 24 | 1 | 14 0970 |
| PG 9 | 74 | 26 | 1 | 14 0972 |
| PG 11 | 76 | 26 | 1 | 14 0974 |
| PG 13.5 | 80 | 28 | 1 | 14 0976 |
| PG 16 | 85 | 30 | 1 | 14 0978 |
| PG 21 | 93 | 33 | 1 | 14 0980 |
| PG 29 | 105 | 38 | 1 | 14 0982 |
| PG 36 | 110 | 40 | 1 | 14 0984 |
| PG 42 | 120 | 40 | 1 | 14 0986 |
| PG 48 | 120 | 40 | 1 | 14 0988 |



Adjustable tap wrenches

short design

| for thread taps | | | | |
|-----------------|---------------------------------------|---------|---|---------|
| Μ | 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 |









| PG 7 | Design | | Size/mm | PU | Article no. | |
|--|--|---------------|----------------|----|-------------|----------|
| The cip housing both method served cable glands Black equantity Black eq | Screw dies | | | | | |
| March Section Sectio | | | | | | |
| M12 x 15 | | ds | | | | |
| M 12 x 1.5 | | | L x W x H mm | | | |
| M 16 x 1.5 | | | | 1 | 14 0889 | |
| M 20 x 1.5 | | | | | | |
| M 25 x 1.5 | | | | | | |
| M 32 x 1.5 | | | | | | |
| M 40 x 1.5 | | | | | | |
| M 50 x 1.5 | | | | | | |
| M 63 x 1.5 8 100 x 100 x 20 1 14 0896 For table PG (steel conduit thread) according to DIN 40430 PG PG 7 4 47 x 47 x 14 1 14 0910 PG 9 4 47 x 47 x 14 1 14 0914 PG 11 4 47 x 47 x 14 1 14 0914 PG 13.5 4 47 x 47 x 14 1 14 0918 PG 15 6 47 x 47 x 14 1 14 0918 PG 21 6 47 x 47 x 14 1 14 0918 PG 22 7 71 x 71 x 19 1 14 0922 PG 29 7 71 x 71 x 19 1 14 0924 PG 42 8 100 x 100 x 20 1 14 0928 PG 42 8 100 x 100 x 20 1 14 0928 Guides to the clip housing for metric sorewed cable glands M 12 1 14 0870 M 20 1 14 0870 M 20 1 14 0871 M 20 1 14 0872 M 32 1 14 0873 M 40 1 14 0873 M 40 1 14 0875 M 53 1 14 0875 M 63 1 14 0875 M 63 1 14 0875 M 63 1 14 0975 M 63 1 14 0972 PG 7 1 14 0932 PG 11 14 0932 PG 12 1 14 0934 PG 29 1 14 0932 PG 13.5 1 14 0934 PG 29 1 14 0934 PG 29 1 14 0934 PG 29 1 14 0938 PG 29 1 14 0938 PG 29 1 14 0938 PG 42 - 48 1 14 0900 Tap wrench for steel conduit thread manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from malleable cast iron, with sized tube arms, without accessories manufactured from mallea | M 50 x 1.5 | | 100 x 100 x 20 | 1 | | |
| For whe PG (steel conduit thread) according to DIN 40430 PG PG 7 | | | | 1 | | |
| PG 7 | | | | | | |
| PG 9 | | | - | 1 | 14 0910 | |
| PG 11 | | | | | | |
| PG 13.5 | | | | | | |
| PG 16 | | | | | | |
| 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 42 8 10 100 x 100 x 20 1 14 0928 Guides to the clip housing for metric screwed cable glands M 12 1 14 0869 M 16 1 14 0870 M 25 1 14 0872 M 32 1 14 0873 M 32 1 14 0873 M 40 1 14 0875 M 60 1 14 0875 M 70 1 14 0930 PG 9 1 14 0934 PG 9 1 14 0934 PG 11 1 14 0934 PG 11 1 14 0934 PG 12 1 14 0938 PG 29 1 14 0940 Tap wrench for steel conduit thread manufactured from malleable cast iron, with steel tube arms, without accessories M 12 - 25 / PG 7 - 21 1 14 0900 M 32 - 40 / PG 29 - 36 1 14 0900 M 32 - 40 / PG 29 - 36 1 14 0900 M 32 - 40 / PG 29 - 36 1 14 0900 M 32 - 40 / PG 29 - 36 1 14 0900 M 32 - 40 / PG 29 - 36 1 14 0966 M 30 - M 40 1 14 0950 PG 7 - 21 1 14 0950 PG 9 - 21 1 14 0950 M 30 - M 40 1 14 0950 PG 7 - 21 1 14 0950 PG 9 - 21 1 14 0950 M 12 - M 14 0950 M 12 - M 14 0950 M 15 - 63 1 14 0966 M 30 - M 40 1 14 0950 PG 9 - 21 1 14 0966 PG 9 - | | | | | | |
| PG 29 | | | | | | |
| PG 36 | | | | | | |
| PG 42 | | | | | | |
| Guides Contide to the clip housing form retrits crewed cable glands M 12 M 16 M 16 M 10 M 20 M 14 0870 M 20 M 20 M 14 0873 M 40 M 14 0874 M 50 M 14 0874 M 50 M 14 0875 M 63 M 14 0876 For tube PG FG 7 M 1 14 0930 FG 9 M 1 14 0934 FG 13.5 M 1 14 0934 FG 19 FG 19 M 1 14 0942 Tap wrench for steel conduit thread manufactured from malleable cast iron, with steel tube arms, without accessories M 12 - 25 / FG 7 - 21 M 32 - 40 / FG 29 - 36 M 14 0986 M 32 - 40 M 14 0986 M 32 - 40 M 15 - 63 M 14 0986 M 32 - 40 M 15 - 63 M 14 0986 M 32 - 40 M 15 - 63 M 14 0986 M 32 - 40 M 14 0952 with adjustable guide (guide rings not required) M 12 - 25 / FG 9 - 21 M 14 0966 M 30 - M 40 M 1 14 0964 | | | | | | |
| Guides to the dip housing for metric screwed cable glands M 12 1 14 0869 M 16 1 14 0870 M 20 1 14 0871 M 25 1 14 0873 M 32 1 14 0873 M 40 M 50 1 14 0875 M 63 1 14 0876 for tube PG PG 7 1 1 14 0932 PG 9 1 1 14 0934 PG 13.5 1 14 0934 PG 29 1 1 14 0934 PG 29 1 1 14 0940 PG 42 Tap wrench for steel conduit thread manufactured from malleable cast iron, with steel tube arms, without accessories M 12 - 25 / PG 7 - 21 M 32 - 40 / PG 29 - 36 M 1 14 0900 M 32 - 40 / PG 29 - 36 M 1 14 0904 Tap wrench for steel conduit thread with screw dies and guidance M 12 - 25 / PG 7 - 21 M 14 0900 M 32 - 40 / PG 29 - 36 M 1 14 0900 M 32 - 40 / PG 29 - 36 M 1 14 0900 M 32 - 40 / PG 29 - 36 M 1 14 0900 M 50 - 63 M 1 14 0884 PG 9 - 21 M 14 0888 PG 9 - 21 M 14 0966 M 30 - M 40 M 1 14 0968 M 30 - M 40 M 1 14 0968 M 30 - M 40 M 1 14 0966 M 30 - M 40 M 1 14 0966 M 30 - M 40 M 1 14 0966 M 30 - M 40 M 1 14 0966 M 30 - M 40 M 1 14 0966 M 30 - M 40 M 1 14 0966 M 30 - M 40 M 1 14 0966 M 30 - M 40 M 1 14 0960 PG 7 - 21 M 1 0960 PG 7 - 21 M 1 0960 M 1 14 0960 PG 29 - 36 M 1 14 0960 M 20 - 36 M 1 14 0960 M 20 - 36 M 1 14 0960 M 20 - 36 M 10 - 40960 M 10 - 40960 M 20 - 36 M 10 - 40960 | | | | | | |
| to the clip housing for metric screwed cable glands M12 | FG 40 | 10 | 100 X 100 X 20 | 1 | 14 0720 | |
| M 16 M 20 M 20 M 1 14 0871 M 25 M 32 M 32 M 40 M 50 M 50 M 63 M 50 M 63 M 63 M 63 M 63 M 63 M 63 M 64 M 65 M 67 M 68 M 69 | to the clip housing for metric screwed cable glan | ds | | 1 | 14 0869 | |
| M 20 | | | | | | |
| M 25 | | | | | | |
| M 32 | | | | | | |
| M 40 | | | | | | |
| M 50 | | | | | | |
| M 63 for tube PG for tube PG PG 7 | | | | | | 16 |
| for tube PG PG 7 | | | | | | |
| PG 7 PG 9 PG 9 PG 11 PG 11 PG 13.5 PG 13.5 PG 16 PG 29 PG 16 PG 29 PG 42 PG 42 PG 42 PG 7 - 21 PG 10 PG 29 - 36 PG 42 - 48 PG 9 - 21 PG 9 | | | | ' | 14 0070 | |
| PG 9 1 1 14 0932 PG 11 1 14 0934 PG 13.5 1 14 0936 PG 16 1 1 14 0938 PG 29 1 1 14 0940 PG 42 1 1 14 0942 Tap wrench for steel conduit thread manufactured from malleable cast iron, with steel tube arms, without accessories M 12 - 25 / PG 7 - 21 1 14 0902 M 50 - 63 1 14 0984 PG 42 - 48 1 1 14 0904 Tap wrench for steel conduit thread with screw dies and guidance M 16 - 25 1 14 0886 M 32 - 40 M 14 0887 M 50 - 63 1 14 0888 PG 9 - 21 1 14 0950 PG 9 - 36 1 14 0952 with adjustable guide (guide rings not required) M 11 - M 25 M 30 - M 40 1 14 0968 PG 7 - 21 1 14 0968 PG 7 - 21 1 14 0968 PG 9 - 21 1 14 0968 PG 9 - 21 1 14 0968 PG 7 - 21 1 14 0968 PG 7 - 21 1 14 0968 PG 9 - 21 1 14 0968 PG 9 - 21 1 14 0968 PG 7 - 21 1 14 0968 PG 9 - 21 1 14 0968 PG 7 - 21 1 14 0964 | | | | 1 | 14 0930 | |
| PG 11 | | | | | | |
| PG 13.5 PG 16 PG 16 PG 16 PG 29 PG 42 PG 95 PG 16 PG 42 PG 4 | | | | • | | |
| PG 16 | | | | | | |
| PG 29 PG 42 1 14 0940 PG 42 1 14 0942 Tap wrench for steel conduit thread manufactured from malleable cast iron, with steel tube arms, without accessories M 12 - 25 / PG 7 - 21 M 32 - 40 / PG 29 - 36 M 50 - 63 M 1 14 0902 M 50 - 63 M 1 14 0904 Tap wrench for steel conduit thread with screw dies and guidance M 16 - 25 M 1 14 0886 M 32 - 40 M 1 14 0887 M 50 - 63 M 1 14 0888 PG 9 - 21 M 1 14 0950 PG 29 - 36 M 1 14 0950 With adjustable guide (guide rings not required) M 12 - M 25 M 30 - M 40 M 10 - M 25 M | | | | | | |
| Tap wrench for steel conduit thread manufactured from malleable cast iron, with steel tube arms, without accessories M 12 - 25 / PG 7 - 21 M 32 - 40 / PG 29 - 36 M 50 - 63 M 1 14 0904 Tap wrench for steel conduit thread with screw dies and guidance M 16 - 25 M 1 14 0886 M 32 - 40 M 50 - 63 M 1 14 0886 M 32 - 40 M 1 14 0887 M 50 - 63 M 1 14 0888 PG 9 - 21 M 1 14 0950 PG 29 - 36 M 1 14 0950 with adjustable guide (guide rings not required) M 12 - M 25 M 30 - M 40 M 10 - M 25 M 10 - M 26 M 29 - 36 M 10 - M 40 M 11 - M 25 M 10 - M 40 M 12 - M 25 M 10 - M 26 M 10 - M 20 M 20 - M 20 M | | | | | | |
| Tap wrench for steel conduit thread manufactured from malleable cast iron, with steel tube arms, without accessories M 12 - 25 / PG 7 - 21 1 14 0900 M 32 - 40 / PG 29 - 36 1 14 0902 M 50 - 63 1 14 0984 PG 42 - 48 1 14 0904 Tap wrench for steel conduit thread with screw dies and guidance M 16 - 25 1 14 0886 M 32 - 40 1 14 0887 M 50 - 63 1 14 0888 PG 9 - 21 1 14 0950 PG 29 - 36 1 14 0952 with adjustable guide (guide rings not required) M 12 - M 25 1 14 0966 M 30 - M 40 1 14 0968 PG 7 - 21 1 14 0960 PG 29 - 36 1 14 0964 | | | | | | |
| manufactured from malleable cast iron, with steel tube arms, without accessories M 12 - 25 / PG 7 - 21 | PG 42 | | | 1 | 14 0942 | |
| Tap wrench for steel conduit thread with screw dies and guidance M 16 - 25 M 32 - 40 M 50 - 63 M 50 - 63 M 50 - 63 M 1 | manufactured from malleable | | | | | |
| Tap wrench for steel conduit thread with screw dies and guidance M 16 - 25 M 14 0886 M 32 - 40 M 50 - 63 M 50 - 63 M 14 0950 PG 29 - 36 M 12 - M 25 M 14 0966 M 30 - M 40 M 12 - M 25 M 30 - M 40 PG 29 - 36 M 14 0968 PG 29 - 36 M 14 0964 | | | | | | |
| Tap wrench for steel conduit thread with screw dies and guidance M 16 - 25 M 30 - 40 M 50 - 63 M 50 - 63 M 50 - 63 M 1 4 0950 M 29 - 36 M 10 - M 25 M 10 - M 26 M 20 - M 20 M 20 | | | | | | |
| Tap wrench for steel conduit thread with screw dies and guidance M 16 - 25 M 30 - 40 M 50 - 63 M 50 - 63 M 50 - 63 M 1 4 0950 M 29 - 36 M 10 - M 25 M 10 - M 26 M 20 - M 20 M 20 | | | | | | |
| with screw dies and guidance M 16 - 25 1 14 0886 M 32 - 40 1 14 0887 M 50 - 63 PG 9 - 21 PG 29 - 36 with adjustable guide (guide rings not required) M 12 - M 25 M 30 - M 40 PG 7 - 21 PG 29 - 36 1 14 0968 PG 29 - 36 1 14 0960 PG 29 - 36 | PG 42 - 48 | | | 1 | 14 0904 | |
| M 16 - 25 M 32 - 40 M 1 14 0886 M 32 - 40 M 50 - 63 M 50 - 63 M 1 14 0888 PG 9 - 21 M 1 14 0950 PG 29 - 36 M 1 14 0952 with adjustable guide (guide rings not required) M 12 - M 25 M 30 - M 40 M 10 - M 40 M 10 - M 40 M 11 14 0968 PG 7 - 21 M 11 14 0960 PG 29 - 36 M 11 14 0964 | | | onduit thread | | | |
| M 32 - 40 M 50 - 63 PG 9 - 21 PG 29 - 36 M 1 | | | | 1 | 14 0886 | |
| M 50 - 63 PG 9 - 21 PG 9 - 21 PG 29 - 36 1 14 0950 With adjustable guide (guide rings not required) M 12 - M 25 M 30 - M 40 PG 7 - 21 PG 29 - 36 1 14 0960 PG 29 - 36 1 14 0964 | | | | | | |
| PG 9 - 21 | | | | | | |
| M 30 - M 40 PG 7 - 21 PG 29 - 36 1 14 0964 1 14 0964 | | | | 1 | | |
| M 30 - M 40 PG 7 - 21 PG 29 - 36 1 14 0964 1 14 0964 | | | | 1 | | |
| M 30 - M 40 PG 7 - 21 PG 29 - 36 1 14 0964 1 14 0964 | | rings not rea | uired) | | | 18 |
| M 30 - M 40 | | | , | 1 | 14 0966 | M |
| PG 7 - 21 | | | | | | |
| PG 29 - 36 1 14 0964 | | | | | | |
| | | | | | | |
| Design Size/mm PU Article no. | . = +• | | | | | |
| Design Size/mm PU Article no. | | | | | | |
| Design Size/mm PU Article no. | D. J. | | 6. (| | A .41.1 | |
| | Design | | Size/mm | FU | Article no. | Cilico |

Step thread tap for metric screwed cable glands

step thread tap manufactured from the most suitable oil-hardened tool steel for the most common metric screwed cable glands. Suitable for working with plastic and metal as well as stainless steel, between 5 and 6 threads per step, drive via hexagonal shaft (e.g. via ring, open-end or socket wrench). Approximately 85 % of all screwed cable glands are covered with the M 12 - M 32 drill bit (order number 20 1240), approximately 90 % of all screwed cable glands are covered with both of the other drill bits. Compared to many single thread taps, the step thread taps offer a cost saving of up to 25 %.

| M 12 – 16 – 20 – 25 - 32 80 | 13 | 1 | 20 1240 |
|-----------------------------|----|---|---------|
| M 12 – 16 – 20 55 | 10 | 1 | 20 1242 |
| M 25 – 32 – 40 55 | 13 | 1 | 20 1244 |

Step drill and thread tap assortment for screwed cable glands

compact set for the drilling of centric core holes and through-holes as well as for the thread cutting of metric screwed cable glands according to DIN EN 60 423, supplied in a handy plastic transport case. Assortment comprises of 1 HSS step drill for burr-free drilling and reaming, double-edged, with solid centring point and 13 laser-marked drilling steps for through-holes and core holes for screw glands measuring between M 12 and M 32, 12 mm ø receiver shaft with 3 driver carriers to protect against the drill bit from slipping in the chuck, 5 HSS cutting thread taps (direct taps) sorted by ISO fine thread M $12 \times 1.5 - M 16 \times 1.5 - M 20 \times 1.5 - M 25 \times 1.5 - M 32 \times 1.5$, 45 mm long design, with hexagonal drive shaft (10 / 13 mm) for single-handed work even on areas difficult to reach, actuation via socket wrench (groove and ratchet), but also via spanner and ring wrenches.

| 6 piece | 1 | 20 1250 |
|---------|---|---------|
|---------|---|---------|



Nozzle reamer

12 nozzle reamers and holders, supplied in plastic box

| 0.61 - 1.9 mm ø | 10 | 20 4815 |
|-----------------|----|---------|
| | | |

Diamond cutting disk

for dry grinding, suitable for all standard angle grinders (holding fixture 22.2 mm Ø) Sinter-fused diamond stud design, medium hardness (marble, shale)

| 0 | rasea diamena stata design, mediam naranese (marere, share) | | | |
|---|---|---|---------|--|
| | 115 | 1 | 20 7950 | |
| | 125 | 1 | 20 7952 | |

Turbo segment design for dry and wet cutting. For granite, concrete, natural stone, exposed aggregate concrete, hard bricks, roofing tiles (particular problem solver on wall grinders and joint cutters). Tested according to UVV VBG 49 regulation.

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

Fully-covered, sintered-on diamond layer design, smooth steel core with cooling holes (tiles, thin granites, natural stones)

| (tiles, tilli grafites, flattiral stories) | | | | |
|--|-----|---|---------|--|
| | 115 | 1 | 20 7970 | |
| | 125 | 1 | 20 7972 | |
| | 150 | 1 | 20 7974 | |
| | 180 | 1 | 20 7976 | |
| | 230 | 1 | 20 7978 | |

Lasered diamond segment and black steel blade design, increased segment thickness, for abrasive materials for wall grinders (sand-lime brick, plaster, masonry, screed, sandstone)

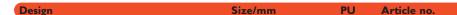
| materials for man 8 maters (same mine strent, plan | oco, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | |
|--|---|---|---------|--|
| | 115 | 1 | 20 7980 | |
| | 125 | 1 | 20 7982 | |
| | 150 | 1 | 20 7984 | |















Cased drill bit

safety cased drill bit manufactured from chrome-vanadium steel for wood, lightweight boards, plasterboards, not suitable for concrete and stone.

| ø mm | | | |
|------|-----|---|---------|
| 6 | 400 | 1 | 20 6306 |
| | 600 | 1 | 20 6346 |
| 8 | 400 | 1 | 20 6308 |
| | 600 | 1 | 20 6348 |
| 10 | 400 | 1 | 20 6310 |
| | 600 | 1 | 20 6350 |
| 12 | 400 | 1 | 20 6312 |
| | 600 | 1 | 20 6352 |
| 14 | 400 | 1 | 20 6314 |
| | 600 | 1 | 20 6354 |
| 16 | 400 | 1 | 20 6316 |
| | 600 | 1 | 20 6356 |
| 18 | 400 | 1 | 20 6318 |
| | 600 | 1 | 20 6358 |
| 20 | 400 | 1 | 20 6320 |
| | 600 | 1 | 20 6360 |
| 22 | 400 | 1 | 20 6322 |
| | 600 | 1 | 20 6362 |
| 24 | 400 | 1 | 20 6324 |
| | 600 | 1 | 20 6364 |
| 25 | 400 | 1 | 20 6325 |
| | 600 | 1 | 20 6365 |
| 26 | 400 | 1 | 20 6326 |
| | 600 | 1 | 20 6366 |
| 28 | 400 | 1 | 20 6328 |
| | 600 | 1 | 20 6368 |
| 30 | 400 | 1 | 20 6330 |
| | 600 | 1 | 20 6370 |

Hole saws manufactured from HSS bi-metal with Vario toothing

the variable tooth distribution (4 - 6 teeth per inch) ensures vibration-free drilling. Hole saws with receiver thread, from 32 mm ø additional driver holes. For the rational drilling of steel, cast iron, stainless steel, copper, non-ferrous metals, hard and soft wood, sheetrock boards and other materials. Saw length 50 mm, max. drilling depth 40 mm, M 16 receiver thread. For receiver shafts (order number 20.7580 and 20.7588).

| ø mm | | |
|------|---|---------|
| 14 | 1 | 20 7414 |
| 16 | 1 | 20 7416 |
| 17 | 1 | 20 7417 |
| 19 | 1 | 20 7419 |
| 20 | 1 | 20 7420 |
| 21 | 1 | 20 7421 |
| 22 | 1 | 20 7422 |
| 24 | 1 | 20 7424 |
| 25 | 1 | 20 7425 |
| 27 | 1 | 20 7427 |
| 29 | 1 | 20 7429 |
| 30 | 1 | 20 7430 |







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Hole saws manufactured from HSS bi-metal with Vario toothing

the variable tooth distribution (4 - 6 teeth per inch) ensures vibration-free drilling. Hole saws with receiver thread, from 32 mm ø additional driver holes. For the rational drilling of steel, cast iron, stainless steel, copper, non-ferrous metals, hard and soft wood, sheetrock boards and other materials. Saw length 50 mm, max. drilling depth 40 mm, M 16 receiver thread. For receiver shafts (order number 20 7584, 20 7586 and 20 7589).

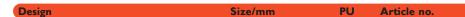
| ø mm | | |
|------|---|---------|
| 32 | 1 | 20 7432 |
| 35 | 1 | 20 7435 |
| 37 | 1 | 20 7437 |
| 38 | 1 | 20 7438 |
| 40 | 1 | 20 7440 |
| 41 | 1 | 20 7441 |
| 43 | 1 | 20 7443 |
| 44 | 1 | 20 7444 |
| 45 | 1 | 20 7445 |
| 46 | 1 | 20 7446 |
| 48 | 1 | 20 7448 |
| 50 | 1 | 20 7450 |
| 51 | 1 | 20 7451 |
| 52 | 1 | 20 7452 |
| 54 | 1 | 20 7454 |
| 55 | 1 | 20 7455 |
| 57 | 1 | 20 7457 |
| 59 | 1 | 20 7459 |
| 60 | 1 | 20 7460 |
| 64 | 1 | 20 7464 |
| 65 | 1 | 20 7465 |
| 67 | 1 | 20 7467 |
| 68 | 1 | 20 7468 |
| 70 | 1 | 20 7470 |
| 73 | 1 | 20 7473 |
| 75 | 1 | 20 7475 |
| 76 | 1 | 20 7476 |
| 79 | 1 | 20 7479 |
| 83 | 1 | 20 7483 |
| 86 | 1 | 20 7486 |
| 89 | 1 | 20 7489 |
| 92 | 1 | 20 7492 |
| 95 | 1 | 20 7495 |
| 98 | 1 | 20 7498 |
| 100 | 1 | 20 7500 |
| 102 | 1 | 20 7502 |
| 105 | 1 | 20 7505 |
| 111 | 1 | 20 7511 |
| 114 | 1 | 20 7514 |
| 121 | 1 | 20 7521 |
| 127 | 1 | 20 7527 |
| 140 | 1 | 20 7540 |
| 146 | 1 | 20 7546 |
| 152 | 1 | 20 7552 |



Hole saws for switch boxes

| 1 7.8 | bit and push-out spring. | |
|---|--------------------------|---------|
| 68 | 1 | 20 7562 |
| additionally with edge countersinker (order number 20 7598) | | |
| 68 | 1 | 20 7563 |









Drive arbors

complete with guide drill bit order number 20 7590 and male thread, suitable for all HSS bi-metal hole saws 9.5 mm hexagonal bar, without driver

| , | | |
|---|---|---------|
| for hole saws 14 - 30 mm ø | 1 | 20 7580 |
| for hole saws 32 - 152 mm ø | 1 | 20 7581 |
| 11 mm hexagonal bar, with driver | | |
| for hole saws 32 - 152 mm ø | 1 | 20 7584 |

| 20 7586 |
|---------|
| |
| |
| 20 7588 |
| |
| |
| 20 7589 |
| |



for drive arbors order numbers 20 7580, 20 7581, 20 7584, 20 7586, 20 7588 and 20 7589

| 6.35 mm ø - 70 mm in length | 1 | 20 7590 |
|------------------------------|---|---------|
| 6.35 mm ø - 115 mm in length | 1 | 20 7592 |

Push-out spring

| suitable from 52 mm ø | | |
|-----------------------|---|---------|
| | 1 | 20 7596 |

Edge countersinker

for HSS bi-metal hole saws with 68 mm ø, with two specially-hardened cutting teeth

| 1 | 20 /598 |
|---|---------|
| | |

HSS bi-metal - hole saw assortments

ELEKTRO-TOP with edge countersinker

Contents: One hole saw each in sizes 35 mm, 68 mm, 75 mm ø

Edge countersinker for 68 mm ø, with two specially-hardened cutting teeth.

Receiver shaft with two driver pins No. 20 7584 HSS guide drill bit, 6.35 mm \varnothing , length 70 mm Push-out spring (for all saws from 52 mm \varnothing)

Comprehensive drilling instructions, supplied in shock-proof plastic box

| 1 | | 20 7400 |
|---|--|---------|
|---|--|---------|

ELEKTRO METRIC

with 6 hole saws for the drilling of through-holes for metric screwed cable glands Receiver shafts with HSS guide drill bit, (order number 20 7580 and 20 7584) Hole saw ø mm

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

Socket cutter

hole saw with metal body, 6 mm \varnothing receiver shaft, induction-hardened saw tips, cutting depth 19 mm 7 saw attachments 25 (1") - 32 (1 $^{1}/_{4}$ ") - 38 (1 $^{1}/_{2}$ ") - 44 (1 $^{3}/_{4}$ ") - 51 (2") - 57 (2 $^{1}/_{4}$ ") - 63 (2 $^{1}/_{2}$ ") mm \varnothing for wood and rigips 1 12 0882















Advice and ordering: Phone: +49 (0)2191 3718 01, Fax: +49 (0)2191 3718 85, E-mail: info@cimco.de

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Hard metal hole saws

for the rational drilling of:

sheetrock boards, Ytong stone, aerated concrete, wood, chipboard, plywood, hard cardboard, PVC, plastic coated boards, glass fibre boards

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

| 9 111111 | | |
|----------|---|---------|
| 35 | 1 | 20 7714 |
| 68 | 1 | 20 7728 |
| 71 | 1 | 20 7730 |
| 74 | 1 | 20 7732 |

Hard metal edge countersinker

| with | 2 | teeth |
|------|---|-------|
| | | |

| for 68 mm ø nard metal nole saws | | | |
|----------------------------------|---|---------|--|
| | 1 | 20 7750 | |

Drive arbors

without guide drill bit, with M 15 receiver thread

| , | | | | |
|---|----|---|---------|--|
| cylindrical 13 mm ø receiver, 3 driver carriers | 70 | 1 | 20 7760 | |
| SDS receiver system | 70 | 1 | 20 7764 | |

Center drill

| hard metal-equipped | | | |
|---------------------|-----|---|---------|
| 8 mm ø | 100 | 1 | 20 7770 |

Hard metal hole saw

68 mm ø. with edge countersinker, receiver shaft and HM guide drill bit

| oo min b, with edge countersmixer, receiver share and in it galde dim bit | | | |
|---|---|---------|--|
| with 13 mm ø receiver shaft (order number 20 7760) | 1 | 20 7740 | |
| with SDS receiver shaft (order number 20 7764) | 1 | 20 7744 | |

Hard metal hole saw assortment, 5 piece

in steel sheet case, 3 hole saws, edge countersinkers for 68 mm ø, 13 mm ø receiver shaft,

| 1 each of HSS and | hard | metal | guide | drill | bit |
|-------------------|------|-------|-------|-------|-----|
| Hole saws ø mm | | | | | |

| 1 1010 30110 2 11111 | | |
|----------------------|---|---------|
| 35, 68, 74 | 1 | 20 7700 |

Diamond core drill bit

laser-welded diamond studs, for dry cutting, no regrinding required, excellent drilling capacity and high durability. **Drilling without impact** in general masonry, stone and concrete, quadro stone, sand-lime brick.

M 16 receiver thread, total length 80 mm, maximum drilling depth 70 mm.

| Diamond stud quantity (segments) | | | | |
|----------------------------------|------|---|---------|--|
| 6 | ø 68 | 1 | 20 7380 | |
| 10 | a 82 | 1 | 20 7382 | |

Drive arbors

| for diamond | core | drill | hit | М | 16 | receiver thread |
|-------------|------|-------|-----|---|----|-----------------|

| for diamond core difficulty in to receive timead | | |
|--|-----|---------|
| Size 12 shaft (hexagonal) | 1 2 | 20 7384 |
| SDS receiver system | 1 2 | 20 7385 |

Hard metal center drill

| for shaft (order number 20 7384) | 9 mm a v 120 mm | 1 | 20 7386 |
|----------------------------------|-----------------|---|---------|



















| Diamond core drill bit complete with drive arbors and HM centring drill with drive arbor (order number 20 7384) Hexagonal size 12 |
|---|
| complete with drive arbors and HM centring drill with drive arbor (order number 20 7384) Hexagonal size 12 |
| ## Hexagonal size 12 |
| Hexagonal size 12 |
| with drive arbor (order number 20 7385) SDS receiver system |
| Engineer´s file assortment, 5 piece with cross cut, cut 2 (medium-fine), length 200 mm, with wooden grip, suitable for metal as well as wood and plastic 1 unit each □ □ □ □ 1 20 6806 Engineer´s files Shape A, flat hand □ 150 10 20 6502 Cut 1 150 10 20 6503 250 10 20 6504 300 5 20 6505 Cut 2 150 10 20 6514 300 5 20 6515 Cut 3 150 10 20 6522 200 10 20 6513 250 10 20 6514 300 5 20 6515 Cut 3 150 10 20 6522 200 10 20 6523 250 10 20 6525 Shape C, triangular □ 150 10 20 6533 250 5 20 6535 Cut 2 150 10 20 6525 Cut 1 150 10 20 6525 Cut 1 150 10 20 6525 Cut 2 150 10 20 6525 Cut 3 150 10 20 6525 Cut 1 150 10 20 6525 Cut 1 150 10 20 6525 Cut 2 150 10 20 6525 Cut 1 150 10 20 6533 250 10 20 6525 Cut 2 150 10 20 6533 Cut 1 150 10 20 6533 Cut 2 150 10 20 6534 300 5 20 6535 Cut 2 150 10 20 6535 Cut 2 150 10 20 6544 300 5 20 6535 Cut 2 150 10 20 6545 Cut 3 150 10 20 6552 Cut 1 150 10 20 6553 Cut 2 150 10 20 6554 300 5 20 6535 Cut 2 150 10 20 6555 Cut 3 150 10 20 6555 Shape D, square □ Cut 1 150 10 20 6555 Shape D, square □ Cut 1 150 10 20 6564 Cut 2 150 10 20 6564 Cut 2 150 10 20 6567 300 5 20 6574 300 5 20 6574 300 5 20 6574 300 5 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 |
| Engineer´s file assortment, 5 piece with cross cut, cut 2 (medium-fine), length 200 mm, with wooden grip, suitable for metal as well as wood and plastic 1 unit each |
| Engineer's file assortment, 5 piece with cross cut, cut 2 (medium-fine), length 200 mm, with wooden grip, suitable for metal as well as wood and plastic 1 unit each |
| with cross cut, cut 2 (medium-fine), length 200 mm, with wooden grip, suitable for metal as well as wood and plastic 1 unit each |
| Engineer´s files according to DIN 7261, without grip Shape A, flat hand Cut 1 150 10 20 6502 250 10 20 6504 300 5 200 10 20 6512 200 10 20 6512 200 10 20 6512 200 10 20 6513 250 10 20 6514 300 5 20 6515 Cut 3 150 10 20 6522 200 10 20 6523 250 10 20 6525 Shape C, triangular Cut 1 150 10 20 6533 250 5 200 10 20 6533 250 5 200 10 20 6532 Cut 1 200 10 20 6532 Cut 2 150 10 20 6532 Cut 1 200 10 20 6532 Cut 1 200 10 20 6533 Cut 2 150 10 20 6532 Cut 1 200 10 20 6533 Cut 2 150 10 20 6534 300 5 20 6535 Cut 2 150 10 20 6542 200 10 20 6543 250 5 20 6544 300 5 20 6545 Cut 3 150 10 20 6553 250 5 20 6544 300 5 20 6555 Shape D, square Cut 1 150 10 20 6561 200 10 20 6561 200 10 20 6564 Cut 2 150 10 20 6567 250 10 20 6564 Cut 2 150 10 20 6567 250 10 20 6567 250 10 20 6567 250 10 20 6567 250 10 20 6567 250 10 20 6567 250 10 20 6567 250 10 20 6577 250 10 20 6582 |
| Engineer's files Stage A, flat hand Cut 1 150 10 20 6502 200 10 20 6503 250 10 20 6504 300 5 20 6505 Cut 2 150 10 20 6512 200 10 20 6512 200 10 20 6513 250 10 20 6514 300 5 20 6515 Cut 3 150 10 20 6514 300 5 20 6515 Cut 3 150 10 20 6522 200 10 20 6522 200 10 20 6523 250 10 20 6523 250 10 20 6524 300 5 20 6525 Shape C, triangular Cut 1 150 10 20 6532 200 10 20 6532 Cut 2 150 10 20 6532 Cut 1 200 10 20 6532 Cut 2 150 10 20 6532 Cut 2 150 10 20 6532 Cut 1 200 10 20 6533 250 5 20 6535 Cut 2 150 10 20 6542 200 10 20 6543 250 5 20 6544 200 10 20 6543 250 5 20 6545 Cut 3 150 10 20 6554 200 10 20 6555 Shape D, square Cut 1 150 10 20 6564 200 10 20 6565 300 5 20 6564 Cut 2 150 10 20 6565 300 5 20 6564 Cut 2 150 10 20 6565 300 5 20 6574 200 10 20 6572 250 10 20 6572 250 10 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6574 Cut 3 150 10 20 6574 Cut 3 150 10 20 6577 200 10 20 6574 Cut 3 150 10 20 6582 |
| Shape A, flat hand ☐ Cut 1 |
| Shape A, flat hand ☐ Cut 1 |
| Cut 1 150 10 20 6502 200 10 20 6503 250 10 20 6504 300 5 20 6505 Cut 2 150 10 20 6512 200 10 20 6513 250 10 20 6514 300 5 20 6514 20 6522 20 70 70 20 6523 20 6525 20 6525 20 6525 20 6525 20 6525 20 6534 20 6532 20 6534 20 6535 20 6534 20 6535 20 6535 20 6534 20 6535 20 6544 20 6542 20 6544 20 6544 20 6544 20 6544 20 6544 20 6544 20 6544 20 6545 20 6544 20 6545 20 6544 20 6555 20 6544 20 6545 <t< td=""></t<> |
| Cut 1 |
| 200 10 20 6503 250 10 20 6504 300 5 20 6505 Cut 2 150 10 20 6512 200 10 20 6513 250 10 20 6513 250 10 20 6514 300 5 20 6515 Cut 3 150 10 20 6522 200 10 20 6523 200 10 20 6523 250 10 20 6524 300 5 20 6525 Shape C, triangular Δ Cut 1 150 10 20 6532 250 5 20 6535 Cut 2 150 10 20 6534 300 5 20 6535 Cut 2 150 10 20 6544 300 5 20 6535 Cut 2 150 10 20 6545 250 5 20 6545 250 5 20 6545 250 5 20 6545 250 5 20 6545 250 5 20 6555 Cut 3 150 10 20 6552 200 10 20 6552 200 10 20 6552 200 10 20 6555 Cut 3 150 10 20 6555 Cut 3 150 10 20 6555 Cut 3 150 10 20 6555 Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6564 250 5 20 6554 300 5 20 6555 Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6564 Cut 2 150 10 20 6561 200 10 20 6564 Cut 2 150 10 20 6574 Cut 3 150 10 20 6581 |
| 250 |
| Cut 2 150 10 20 6512 200 10 20 6513 250 10 20 6514 300 5 20 6515 Cut 3 150 10 20 6522 200 10 20 6523 250 10 20 6524 200 10 20 6524 300 5 20 6525 Shape C, triangular Δ Cut 1 150 10 20 6532 200 10 20 6533 250 5 20 6534 300 5 20 6534 300 5 20 6535 Cut 2 150 10 20 6542 200 10 20 6542 200 10 20 6542 200 10 20 6543 250 5 20 6544 300 5 20 6544 300 5 20 6544 300 5 20 6555 Shape D, square □ Cut 1 150 10 20 6551 200 10 20 6561 200 10 20 6561 200 10 20 6564 Cut 2 150 |
| 200 10 20 6513 250 10 20 6514 300 5 20 6515 Cut 3 150 10 20 6522 200 10 20 6522 250 10 20 6523 250 10 20 6524 300 5 20 6525 Shape C, triangular △ Cut 1 150 10 20 6532 250 5 20 6534 300 5 20 6535 Cut 2 150 10 20 6542 200 10 20 6542 200 10 20 6543 250 5 20 6544 300 5 20 6545 Cut 2 150 10 20 6542 200 10 20 6543 250 5 20 6544 300 5 20 6555 Cut 3 150 10 20 6552 200 10 20 6552 200 10 20 6555 Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6564 300 5 20 6554 300 5 20 6554 300 5 20 6554 300 5 20 6554 300 5 20 6554 300 5 20 6555 Cut 2 150 10 20 6561 200 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6561 200 10 20 6562 250 10 20 6563 300 5 20 6574 Cut 2 150 10 20 6571 200 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 |
| 250 10 20 6514 300 5 20 6515 Cut 3 150 10 20 6522 200 10 20 6523 250 10 20 6524 300 5 20 6524 300 5 20 6525 Shape C, triangular △ Cut 1 150 10 20 6532 250 5 20 6534 300 5 20 6535 Cut 2 150 10 20 6542 200 10 20 6542 200 10 20 6543 Cut 2 150 10 20 6545 Cut 3 150 10 20 6555 Cut 3 150 10 20 6555 Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6564 Cut 2 150 10 20 6555 Cut 3 150 10 20 6555 Cut 3 150 10 20 6564 Cut 3 150 10 20 6565 Cut 1 150 10 20 6565 Cut 1 150 10 20 6561 Cut 2 150 10 20 6561 Cut 1 150 10 20 6561 Cut 1 150 10 20 6561 Cut 1 150 10 20 6561 Cut 2 150 10 20 6563 300 5 20 6571 200 10 20 6573 300 5 20 6574 Cut 2 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 |
| Cut 3 |
| Cut 3 |
| 200 10 20 6523 250 10 20 6524 300 5 20 6525 Shape C, triangular △ Cut 1 150 10 20 6532 250 5 20 6535 Cut 2 150 10 20 6544 300 5 20 6535 Cut 2 150 10 20 6543 250 5 20 6544 300 5 20 6545 Cut 3 150 10 20 6552 200 10 20 6553 250 5 20 6554 300 5 20 6555 Cut 3 150 10 20 6555 200 10 20 6555 200 10 20 6555 200 10 20 6555 Cut 1 150 10 20 6555 200 10 20 6555 Cut 2 150 10 20 6564 250 5 20 6554 250 5 20 6554 250 5 20 6554 250 5 20 6554 250 5 20 6554 250 5 20 6555 Cut 1 150 10 20 6561 200 10 20 6562 250 10 20 6561 200 10 20 6561 200 10 20 6571 200 10 20 6573 300 5 20 6574 Cut 2 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 |
| 250 10 20 6524 300 5 20 6525 Shape C, triangular △ Cut 1 150 10 20 6532 200 10 20 6533 250 5 20 6534 300 5 20 6535 Cut 2 150 10 20 6542 200 10 20 6543 250 5 20 6544 300 5 20 6544 300 5 20 6544 300 5 20 6554 Cut 3 150 10 20 6552 Cut 3 150 10 20 6555 Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6564 300 5 20 6564 Cut 2 150 10 20 6565 Cut 1 150 10 20 6565 Cut 1 150 10 20 6561 Cut 2 150 10 20 6571 Cut 2 150 10 20 6571 Cut 3 150 10 20 6572 250 10 20 6572 250 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 Cut 3 150 10 20 6581 |
| Shape C, triangular △ Cut 1 |
| Shape C, triangular △ Cut 1 150 10 20 6532 200 10 20 6533 250 5 20 6534 300 5 20 6535 Cut 2 150 10 20 6542 200 10 20 6543 250 5 20 6544 300 5 20 6545 Cut 3 150 10 20 6552 200 10 20 6553 250 5 20 6554 300 5 20 6555 Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6562 250 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6563 300 5 20 6571 200 10 20 6572 250 10 20 6572 250 10 20 6574 Cut 3 150 10 20 6581 2 |
| Cut 1 |
| 200 10 20 6533 250 5 20 6534 300 5 20 6535 Cut 2 150 10 20 6542 200 10 20 6543 250 5 20 6544 300 5 20 6544 250 5 20 6545 Cut 3 150 10 20 6552 200 10 20 6553 200 10 20 6553 250 5 20 6554 300 5 20 6554 300 5 20 6555 Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6562 250 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6571 200 10 20 6572 250 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 200 10 20 6581 |
| 250 5 20 6534 300 5 20 6535 Cut 2 150 10 20 6542 200 10 20 6543 250 5 20 6544 300 5 20 6545 Cut 3 150 10 20 6552 200 10 20 6553 200 10 20 6553 200 10 20 6553 250 5 20 6554 300 5 20 6554 300 5 20 6554 300 5 20 6561 Cut 1 150 10 20 6561 200 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6571 200 10 20 6571 200 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6574 Cut 3 150 10 20 6581 |
| Cut 2 150 10 20 6542 200 10 20 6543 250 5 20 6544 300 5 20 6545 Cut 3 150 10 20 6552 200 10 20 6553 200 10 20 6553 200 10 20 6553 250 5 20 6554 300 5 20 6554 300 5 20 6555 Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6572 200 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6573 300 5 20 6574 Cut 3 |
| Cut 2 |
| 200 10 20 6543 250 5 20 6544 300 5 20 6545 Cut 3 150 10 20 6552 200 10 20 6553 250 5 20 6554 300 5 20 6554 300 5 20 6555 Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6572 250 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6574 Cut 3 150 10 20 6581 |
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| Cut 3 |
| 250 5 20 6554 300 5 20 6555 Shape D, square Cut 1 150 10 20 6561 200 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6572 250 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 200 10 20 6581 |
| Shape D, square Cut 1 150 10 20 6561 200 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6572 250 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 200 10 20 6582 |
| Shape D, square □ Cut 1 150 10 20 6561 200 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6572 250 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 200 10 20 6582 |
| Cut 1 150 10 20 6561 200 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6572 250 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 200 10 20 6582 |
| 200 10 20 6562 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6572 250 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 200 10 20 6582 |
| 250 10 20 6563 300 5 20 6564 Cut 2 150 10 20 6571 200 10 20 6572 250 10 20 6573 300 5 20 6574 Cut 3 150 10 20 6581 200 10 20 6582 |
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| 300 5 20 6574 Cut 3 150 10 20 6581 200 10 20 6582 |
| Cut 3 150 10 20 6581 200 10 20 6582 |
| 200 10 20 6582 |
| |
| 250 10 20 0505 |
| 300 5 20 6584 |
| |



| Design | Size/mm | PU | Article no. | |
|--|--|---|--|----------|
| ingineer's files | | | | |
| cording to DIN 7261, without grip | | | | |
| Shape E, semi-circular | | | | |
| Cut 1 | 150 | 10 | 20 6592 | |
| | 200 | 10 | 20 6593 | |
| | 250 | 10 | 20 6594 | |
| | 300 | 5 | 20 6595 | |
| Cut 2 | 150 | 10 | 20 6602 | |
| | 200 | 10 | 20 6603 | |
| | 250 | 10 | 20 6604 | |
| Cut 3 | 300 | 5 | 20 6605 | |
| ut 3 | 150 200 | 10 10 | 20 6612 20 6613 | |
| | 250 | 10 | 20 6614 | |
| | 300 | 5 | 20 6615 | |
| hape F, round | 300 | 5 | 20 0013 | |
| ut 1 | 150 | 10 | 20 6622 | |
| | 200 | 10 | 20 6623 | |
| | 250 | 10 | 20 6624 | |
| | 300 | 5 | 20 6625 | |
| ut 2 | 150 | 10 | 20 6632 | |
| | 200 | 10 | 20 6633 | |
| | 250 | 10 | 20 6634 | |
| | 300 | 5 | 20 6635 | |
| ut 3 | 150 | 10 | 20 6642 | |
| | 200 | 10 | 20 6643 | |
| | 250 | 10 | 20 6644 | |
| | 300 | 5 | 20 6645 | V |
| asps | | | | - |
| • | | | | |
| ithout grip Cut 1 | 250 | 1 | 20 6701 | |
| Cut 2 | 250 | 1 | 20 6711 | |
| | | | | |
| ile grips | | | | |
| cording to DIN ISO 395, manufactured from | beech wood | | | |
| or files mm | | | | |
| p to 100 | 80 | 20 | 20 6850 | |
| p to 125 | 100 | 20 | 20 6852 | O |
| p to 200 | 120 | 20 | 20 6854 | |
| | | | 20 003 1 | |
| | 140 | 20 | 20 6856 | |
| • | 140 160 | 20 20 | | |
| p to 350 | | | 20 6856 | |
| ey file assortment | 160 | 20 | 20 6856 20 6857 | |
| Ley file assortment files with wooden grip, according to DIN 728 | 160 3, shape A - B - C - D | 20 - E - F, length | 20 6856 20 6857 100 mm | |
| Ley file assortment files with wooden grip, according to DIN 728 | 160 3, shape A - B - C - D | 20 | 20 6856 20 6857 | |
| (ey file assortment) files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length | 20 6856 20 6857 100 mm | |
| Key file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length | 20 6856 20 6857 100 mm | |
| Tey file assortment Files with wooden grip, according to DIN 728 Supplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length 10 | 20 6856 20 6857 100 mm 20 6750 | |
| Ley file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D △ ○ | 20 - E - F, length 10 | 20 6856 20 6857 100 mm 20 6750 | |
| Tey file assortment Files with wooden grip, according to DIN 728 Supplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length 10 rier and steel e | 20 6856 20 6857 100 mm 20 6750 | |
| Ley file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length 10 rier and steel e | 20 6856 20 6857 100 mm 20 6750 | |
| ey file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length 10 rier and steel e | 20 6856 20 6857 100 mm 20 6750 | |
| ey file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length 10 rier and steel e 12 | 20 6856 20 6857 100 mm 20 6750 | |
| ey file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length 10 rier and steel e | 20 6856 20 6857 100 mm 20 6750 | |
| Ley file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length 10 rier and steel e 12 | 20 6856 20 6857 100 mm 20 6750 | |
| Ley file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D | 20 - E - F, length 10 rier and steel e 12 | 20 6856 20 6857 100 mm 20 6750 | |
| Ley file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D ctable beech wood can 250 | 20 - E - F, length 10 rier and steel e 12 | 20 6856 20 6857 100 mm 20 6750 ddging. 14 1325 20 6760 | |
| Tey file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D ctable beech wood can 250 | 20 - E - F, length 10 rier and steel e 12 | 20 6856 20 6857 100 mm 20 6750 ddging. 14 1325 | |
| In to 300 In to 350 Key file assortment files with wooden grip, according to DIN 728 upplied in a plastic bag | 160 3, shape A - B - C - D stable beech wood can 250 n ø curved brass edgin | 20 - E - F, length 10 rier and steel e 12 | 20 6856 20 6857 100 mm 20 6750 ddging. 14 1325 20 6760 | |

Universal deburrer

for all deburring works on drill holes as well as on straight, convex and concave edges (e.g. pipe inner and –outer edges), aluminium handle, interchangable, hardened blade

1 20 8500



Jigsaw blades manufactured from CrV steel

self-service packaged, for wood, plastic up to 60 mm,

| for AEG - Bosch - Metabo - machines | 5 | 20 8506 |
|---|---|---------|
| for Black + Decker - Skil - Fein - machines | 5 | 20 8507 |

Jigsaw blades manufactured from HSS bi-metal

self-service packaged, for soft steel, aluminium, non-ferrous metal, stainless steel metal up to 4 mm for AEG - Bosch - Metabo - machines 5 20 8522 for Black + Decker - Skil - Fein - machines 5 20 8523



Design Size/mm PU Article no.

(cimco

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E

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