EN

Around the cable
Working under tension
Standard program

Main catalogue 2019 | 2020

haupa
... convincing solutions

HAUPA | Quality tools and connecting technology for electrical trade and industry uses

Profit from the **HAUPAplus**

HAUPA founder and CEO
Hans-Udo Paas

CEO
Jens-Ole Paas

In 1961 Hans-Udo Paas founded HAUPA in Remscheid, at the centre of the German tool industry. As a result, the company history stretches back almost 60 years, and in this time our medium-sized, value-orientated family company has become one that is active throughout the world. The success story for our stable growth is a combination of tradition, experience, subject competence and innovative energy. It is our constant desire to product products of the highest possible precision that offer added-value to the electrical engineer.

Our product range includes high-quality system tools and certified cable connecting technologies for electrical trade and industry needs. Alongside the „All about cables“ and „Working under voltage“ sectors, we produce and market a wide range of basic tools for commercial electrical technology requirements.

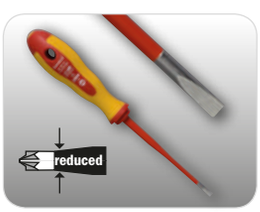
HAUPA represents hand-held tools for electrical engineers that meet the highest of quality and safety standards. When it comes to our products, we pay special attention to the HAUPAplus, the added benefit for our customers. HAUPA screwdrivers are characterised, for example, by their perfect fit which makes your day-to-day work tasks so much easier. Our lever-translated pliers offer up to 50 % savings on energy, and thus take the pressure off your tendons and joints. In order to ensure safe operation under voltage, we subject our tools to comprehensive routine testing. Our safety tools are released to the market only after VDE-/ GS testing has been completed successfully.

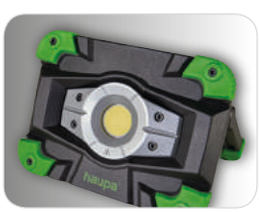
This catalogue includes numerous innovations in all product sectors. One of our highlights is the new **Smart Battery powered crimping tool universal “US-6M”** with 4 replaceable heads for pressing, cutting and punching. Our **HUPslim** screwdriver, with reduced blade insulation diameter, enables access to low-seated screws and clips. The compact **HUPlight10pro** and **HUPlight20pro** spotlights are not only particularly bright, they are also solid, robust, mobile and durable. With our new **SocketFlex** socket system, you will always have the appropriate insert and extension piece at hand – neatly arranged in a handy and practical plastic case. Discover and enjoy these and many more innovations for yourself!

We would like to wish you pleasant browsing, and look forward to welcoming you as a customer.

Our products are only available by way of special electrical wholesalers, in a three-step sales programme.

Your HAUPA team





It is unwise to pay too much, but it is unwise to pay too little. When you pay too much, you lose a little money; that is all. When you pay too little you sometimes lose everything. Because the thing you bought was incapable of doing the thing you bought it to do. The common law of business balance prohibits paying a little and getting a lot. It cannot be done. If you deal with the lowest bidder, it is well to add something for the risk you run and if you do that, you will have enough to pay for something better.

John Ruskin
English social reformer 1819 – 1900

Quality

HAUPA has been certified according to DIN EN ISO 9000 since 1996 (2003 DIN EN ISO 9001).

In order to incorporate a true quality standard the quality management department of HAUPA decided at a very early stage to apply for ISO 9000 certification, which controls and covers the complete internal working and monitoring procedures.

Certificates

From goods receipt to dispatch – all working processes are carried out according to defined procedures.

All HAUPA employees receive regular training in order to comply with these standards and to encourage them to actively suggest ways of improving the processes. Special, so-called QMB inspectors analyse modified structures and integrate these into the defined standards. Independent auditors carry out audits at regular intervals to ensure compliance.

DIN EN ISO 9001:2015 - Certificate

german

english

HAUPA Productcertification

TÜV GS

1000V IEC 60900

RoHS

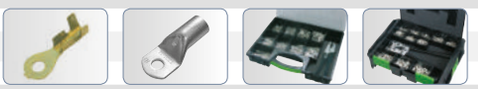
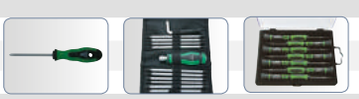
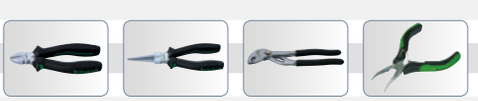
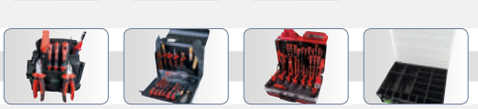
EAC

VDE GS

UL

Brunel

Content

Page		Page
3 - 20		
21 - 32		
33 - 84		
85 - 100		
101 - 134		
135 - 170		
171 - 180		
181 - 199		
200 - 210		
211 - 215		
216 - 217		
218 - 219		
220 - 221		
222 - 233		
234		
237 - 242		
243 - 254		
255 - 263		
264 - 265		
266		
267 - 270		
271 - 284		
285 - 290		
291 - 296		
297 - 300		
301 - 306		
307 - 310		
307 - 310		
311 - 314		
314 - 316		
317 - 322		
323 - 324		
325 - 332		
333 - 340		
341 - 384		
285 - 296		
297 - 412		
		Index 413 - 430

Cutting

haupa®
... convincing solutions

External Ø of wires and cables (average)

No. of wires Cross-section in mm²	External-Ø **NYM** mm	External-Ø **NYY** (ca.) mm	External-Ø **NYCY** (ca.) mm	External-Ø **HO5RR-F** (ca.) mm	External-Ø **HO7RN-F** (ca.) mm
2 x 1,5	8,4 – 8,9	11	12	10,5	11,5
2 x 2,5	9,6 – 11	13	13	12,5	13,5
2 x 4	11 – 12,5	14	15	11	12,5
2 x 6	12 – 13,5	15	16	13	14,5
2 x 10	15 – 17	17	17,5	–	16
2 x 16	17 – 20	19	20	–	20
2 x 25	21 – 24	23	–	–	25,5
2 x 35	23,5 – 27,5	–	–	–	29
3 x 1,5	8,8 – 10,5	12	13	–	–
3 x 2,5	10 – 11,5	13	14	–	–
3 x 4	11,5 – 13	15	15	–	–
3 x 6	12 – 15	16	17	–	–
3 x 10	16 – 18	19	18,5	–	–
3 x 16	18,5 – 22	20	20,5	–	–
3 x 25	22,5 – 26	24	26,5	–	–
3 x 35	25 – 29,5	23	28	–	–
3 x 35/16	–	26	25	–	–
3 x 50/25	–	30	32	–	–
3 x 70/35	–	31	32	–	–
3 x 95/50	–	36	37	–	–
3 x120/70	–	39	39	–	–
3 x 150/70	–	43	43	–	–
4 x 1,5	9,5 – 11	13	14	12,5	13,5
4 x 2,5	11 – 12,5	14	15	14	15,5
4 x 4	12,5 – 14,5	16	16	–	18
4 x 6	14,5 – 16,5	17	18	–	22
4 x 10	17 – 19,5	19	20,5	–	28
4 x 16	20,5 – 23,5	22	24	–	32
4 x 25	25 – 28,5	27	29	–	37
4 x 35	27,5 – 32	26	31	–	42
4 x 50	–	35	34	–	48
4 x 70	–	40	37	–	54
4 x 95	–	45	42	–	60
4 x120	–	50	47	–	–
5 x 1,5	9,9 – 12	13	15	13,5	15
5 x 2,5	11,5 – 13,5	14	17	15,5	17
5 x 4	14 – 16,5	16	18	–	19
5 x 6	15,5 – 18	18	20	–	24
5 x 10	18,5 – 21,5	21	–	–	30
5 x 16	22,5 – 26	24	–	35	–
5 x 25	27,5 – 31,5	–	–	–	–
5 x 35	30,5 – 35,5	–	–	–	–

Cutting diameters of cable cutters Profi Line

art.	200111	200112	200113	200177	200114	200116	200115	200119	200179	200124	200126	200131	200151	200089	200183	200199
Ø	page 9	page 9	page 10	page 10	page 10	page 10	page 11	page 11	page 11	page 13	page 13	page 13	page 13	page 9	page 9	page 9
	Cu/Al 185 mm² 34 mm Ø	Cu/Al 400 mm² 52 mm Ø	Cu/Al 240 mm² 35 mm Ø	Cu/Al 300 mm² 45 mm Ø	Cu/Al 400 mm² 52 mm Ø		Cu/Al 50 mm² 62 mm Ø	Cu/Al 1000 mm² 80 mm Ø	Cu/Al 1400 mm² 100 mm Ø	Cu/Al 120 mm² 25 mm Ø	Cu/Al 185 mm² 34 mm Ø	Cu/Al 240 mm² 35 mm Ø	Cu/Al 550 mm² 55 mm Ø	Cu/Al 185 mm² 32 mm Ø	Cu/Al 400 mm² 52 mm Ø	Cu/Al SWA 45 mm Ø
	Cu/Al 240 mm² 34 mm Ø	Cu/Al 400 mm² 52 mm Ø	Cu/Al 240 mm² 35 mm Ø	Cu/Al 240 mm² 45 mm Ø	Cu/Al 480 mm² 52 mm Ø		Cu/Al 750 mm² 62 mm Ø	Cu/Al 1000 mm² 80 mm Ø	Cu/Al 1400 mm² 100 mm Ø	Cu/Al 120 mm² 25 mm Ø	Cu/Al 185 mm² 34 mm Ø	Cu/Al 240 mm² 35 mm Ø	Cu/Al 550 mm² 55 mm Ø	Cu/Al 185 mm² 32 mm Ø	Cu/Al 240 mm² 45 mm Ø	
	Cu/Al 240 mm² 34 mm Ø	Cu/Al 450 mm² 52 mm Ø	Cu/Al 300 mm² 35 mm Ø	Cu/Al 300 mm² 45 mm Ø	Cu/Al 500 mm² 52 mm Ø	Cu/Al 300 mm² 75 mm Ø	Cu/Al 750 mm² 62 mm Ø	Cu/Al 1000 mm² 80 mm Ø	Cu/Al 1400 mm² 100 mm Ø	Cu/Al 120 mm² 25 mm Ø	Cu/Al 240 mm² 34 mm Ø	Cu/Al 300 mm² 35 mm Ø	Cu/Al 550 mm² 55 mm Ø	Cu/Al 240 mm² 32 mm Ø	Cu/Al 450 mm² 52 mm Ø	SWA

PVC pipe cutters

PVC pipe cutter

for PVC pipes and all materials made from plastics and rubber, exchangeable blade, knife made from tool steel hardened in oil.
- little effort through special cutting geometry
- optimal transmission
- effortless work through ergonomically shaped handle
- incremental knife feed

Art. no.	Ø		kg	PU
200214	35		0,235	1
200215		spare blades	0,040	1

PVC pipe cutter

for PVC pipes and all materials made from plastics and rubber, exchangeable blade, knife made from tool steel hardened in oil, retractable by the press of a button.
- little effort through special cutting geometry
- optimal transmission
- effortless work through ergonomically shaped handle
- incremental knife feed

Art. no.	Ø		kg	PU
200216	42		0,270	1
200217		spare blades	0,055	1

PVC pipe cutter (with ratchet)

for PVC pipes and all materials made from plastics and rubber, exchangeable blade, knife made from tool steel hardened in oil, retractable by the press of a button.
- little effort through special cutting geometry
- optimal transmission
- effortless work through ergonomically shaped handle
- incremental knife feed
- suitable for wiring ducts

Video 200218

Art. no.	Ø		kg	PU
200218	0 - 63		0,270	1
200219		replacement blade	0,055	1

Cable cutters

Kevlar cutter

to cut Kevlar fibre on optical fibre cables. Precision cut with cogs prevents the fibres from slipping and ensures a clean cut.
- Micro-meshing
- riveted joint
- specially coated blade

Art. no.	TL		kg	PU
200153	160		0,085	1

Cable scissors

Allround soft-grip scissors

The new allround Soft - Grip scissors with its relatively short blades and special handles are designed to fulfil the needs of the professional electrical installers. The impressive cutting performance and the tough construction make this new scissors a special tool.
- ergonomic design (2 component)
- slipping free handle - Soft - Grip
- high cutting performance by low cutting force
- precision toothing
- cable stripping device • stainless

Art. no.	TL	mm²	kg	PU
200155 ✷	140	25	0,086	1

Allround soft-grip scissors

The new allround Soft - Grip scissors with its relatively short blades and special handles are designed to fulfil the needs of the professional electrical installers. The impressive cutting performance and the tough construction make this new scissors a special tool.
- ergonomic design (2 component)
- slipping free handle - Soft - Grip
- high cutting performance by low cutting force
- precision toothing
- cable stripping device • stainless

Art. no.	TL	mm²	kg	PU
200185 ✷	150	50	0,083	1

Combination scissors

stainless special steel, shock-proof plastic handles, one cutting edge slightly serrated, for cutting of cable, thin plate, wire, leather, cardboard, plastic, Al, Ms and Cu foils.
- opening spring and locking blade
- jam protection
- adjustable screw joint

Art. no.	TL	Ø	kg	PU
200072	190	10	0,110	1

Our 1000 V pliers can be found on page 216.

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Cable cutter

Cable cutter

- for cutting copper/aluminium cables, fine wire, multiple-core and solid copper
- chrome vanadium steel, dip-insulated handles
- insulating function in upper head area
- cable measuring function thanks to the 180 degree crossover of the legs
- not for solid conductors
- data, telephone and control cable, maximum Ø 8 mm
- Cu single wire, maximum 16 mm²
- Cu fine wire, maximum 16 mm²
- Cu multi-wire, maximum 16 mm²
- Al single wire, maximum 16 mm²
- Al multi-wire, maximum Ø 8 mm = 16 mm²

Ø 8 | Cu AL

Art. no.		TL	Ø	mm²	kg	PU
201085	✷	160	8	16	0,177	1

Cable cutter

- for cutting copper/aluminium cables, fine wire, multiple-core and solid copper
- chrome vanadium steel, dip-insulated handles
- insulating function in upper head area
- cable measuring function thanks to the 180 degree crossover of the legs
- not for solid conductors
- data, telephone and control cable, maximum Ø 12 mm
- Cu single wire, maximum 16 mm²
- Cu fine wire, maximum 35 mm²
- Cu multi-wire, maximum 25 mm²
- Al single wire, maximum 25 mm²
- Al multi-wire, maximum Ø 8 mm = 25 mm²

Ø 12 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
201087	200	12	35	0,289	1

Cable cutter

- for cutting copper/aluminium cables, fine wire, multiple-core and solid copper
- chrome vanadium steel, plug-on handles
- insulating function in upper head area
- cable measuring function thanks to the 180 degree crossover of the legs
- not for solid conductors
- data, telephone and control cable, maximum Ø 8 mm
- Cu single wire, maximum 16 mm²
- Cu fine wire, maximum 16 mm²
- Cu multi-wire, maximum 16 mm²
- Al single wire, maximum 16 mm²
- Al multi-wire, maximum Ø 8 mm = 16 mm²

Ø 8 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
201086	180	8	16	0,216	1

Cable cutter

- for cutting copper/aluminium cables, fine wire, multiple-core and solid copper
- chrome vanadium steel, plug-on handles
- insulating function in upper head area
- cable measuring function thanks to the 180 degree crossover of the legs
- not for solid conductors
- data, telephone and control cable, maximum Ø 12 mm)
- Cu single wire, maximum 16 mm²
- Cu fine wire, maximum 35 mm²
- Cu multi-wire, maximum 25 mm²
- Al single wire, maximum 25 mm²
- Al multi-wire, maximum Ø 8 mm = 25 mm²

Ø 12 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
201088	240	12	35	0,361	1

Cable cutters with spring joint

- for cutting Cu/Al cables, fine and multi-wiring
- not suitable for steel wire and wire rope
- chrome vanadium steel
- self-opening joint spring
- enormous cutting power with reduced force expenditure
- not for solid conductors

Ø 10 | Ø 15 | Cu AL

Art. no.		TL	Ø	mm²	kg	PU
200086	✷	170	10	25	0,266	1
200088	✷	230	15	70	0,475	1

Cable cutter

for cutting Cu/Al cables.

- data, telephone and control cable, maximum Ø 25 mm
- Cu single wire, maximum 16 mm²
- Cu fine wire, maximum 70 mm²
- Cu multi-wire, maximum 25 mm²

Ø 25 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200105	215	20	70	0,281	1

single wire | wire rope
multi-wire | armoured steel cable (SWA)
sector-shaped | ACSR
fine wire | BOLT
communication/ data | solid steel | solid CU

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

One-hand cable cutters

Cable cutter with a snap

PREMIUM

- one-hand cable cutter for fine wire cables only
- low force required
- laser-cut components
- CNC-ground cutting
- inductively hardened blades
- adjustable screw joint
- Cu fine wire cable, maximum Ø 16.9 mm = 70 mm²

Ø 16,9 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
201002	180	16,9	70	0,241	1

Cable cutter with a snap

PREMIUM

- one-handed cable cutters for fine wire cables only
- two-stage adjustment mechanism (patent)
- low force required
- laser-cut components
- CNC-ground cutting
- inductively hardened blades
- adjustable screw joint
- telephone cable maximum Ø 26.1 mm
- Cu fine wire cable, maximum Ø 18.9 mm = 120 mm²

Video 201000

Ø 18,9 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
201000	230	18,9	120	0,514	1

Cable cutters

Cable cutter

- for cutting Cu/Al cables, fine and multi-wiring
- not suitable for steel wire and wire rope
- low force required thanks to best blade geometry and translation ratios
- vanadium electro-steel, forged, oil-hardened
- aluminium legs
- hardened blades with precision grinding
- adjustable screw joint

Ø 27 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200087	500	27	150	1,026	1

Cable cutters

- for cutting Cu/Al cables, fine and multi-wiring
- surface-ground, rust-protected blades made from annealed chrome vanadium steel
- Impact-proof coated, hardened handle tubes, sickle-shaped rounded blades
- highest stability with the lowest own weight

Ø 20 | Ø 35 | Ø 50 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200073	300	20	120	0,620	1
200073/MK			cutting head	0,190	1
200095	530	35	185	1,652	1
200095/MK			cutting head	0,610	1
200099	780	50	400	3,380	1
200099/MK			cutting head	1,202	1

Our 1000 V pliers can be found on page 216.

Cable cutters „Super light”

- for cutting Cu and Al cables, fine and multi-wiring
- not suitable for steel wire and wire rope
- extremely light thanks to full aluminium handles
- dual lever ensures easy cutting
- hardened blades with precision grinding
- adjustable screw joint
- blade head in chrome vanadium steel, forged and oil-hardened

Ø 24 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200197	700	24	120	1,839	1

Cable cutter

PREMIUM

- for cutting Cu and Al cables, fine and multi-wiring
- not suitable for steel wire and wire rope
- dual lever ensures easy cutting
- hardened blades with precision grinding
- adjustable screw joint
- blade head in chrome vanadium steel, forged and oil-hardened

Ø 40 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200100	980	40	400	3,920	1
200104			cutting head	0,606	1

Bolt cutters

Bolt cutter

- cuts soft and hard wires, piano wire
- cuts bolts, nails, rivets etc. up to Ø 3.6 mm
- particularly high cutting performance with low force required thanks to extremely effective joint construction
- blades are also inductively hardened, blade hardness approximately 64 HRC
- chrome vanadium high-performance steel, forged, oil-hardened

Ø 3,6

Art. no.	TL	Ø	kg	PU
200170	200	3,6	0,111	1

Wire cutters (ACSR)

Wire cutter

- Cu and Al cables 10 mm²
- ACSR Ø 6 mm
- solid Ø 4 mm
- also suitable for cable and round steel
- suitable for separating open wires with pull relief wire
- with opening spring and latch
- special cutting geometry prevents the wire from unsplicing

Ø 6 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200173	180	6	10	0,306	1

Wire cutter

- Cu and Al cable 95 mm²
- ACSR Ø 10 mm
- solid Ø 6 mm
- also suitable for cables and round bars
- special cutting geometry prevents the wire from unsplicing
- suitable for separating open wires with pull relief wire
- exchangeable milling head

Ø 10 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200175	180	10	95	0,752	1

Wire cutter

- Cu and Al cable 150 mm²
- ACSR Ø 14 mm
- solid Ø 9 mm
- also suitable for cables and round bars
- special cutting geometry prevents the wire from unsplicing
- suitable for separating open wires with pull relief wire
- angled cutting tip allows you to cut individual cables
- optimal transmission for excellent cutting performance
- exchangeable milling head

Ø 14 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200181	700	14	150	2,390	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Hand cable cutter

ratchet action type, with spare blade, for copper and alu cable

Ø 32 | Cu AL

Art. no. 200089

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	185	32
	Cu/Al wire sector format	185	32
	Cu wire fine wiring	240	32
	Cu wire fine wiring or telecommunication cable		32
Length:			230
Weight:			0,615

Hand cable cutter

ratchet action type, with spare blade, for copper and alu cable

Video 200183

Ø 52 | Cu AL

Art. no. 200183

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	400	52
	Cu/Al wire sector format	4 x 60	
	Cu wire fine wiring	450	52
	Cu wire fine wiring or telecommunication cable		52
Length:			280
Weight:			0,914

Ratchet two handed cable cutter „SCAR45“ for SWA cable

Cutting capacity: Steel reinforced Cu-Al cables up to Ø 45 mm maximum

Ø 45 | Cu AL | SWA

Art. no. 200199

		Ø
Cutting range:	Steel reinforced Cu-Al cables	45
Length:		430
Weight:		1,700

INFO

Cable cutters 200111, 200112

Precise cut!
The blade joints (screw connection on rotation blade) are adjusted to 0.05 mm!

Durable and strong
Serrations on the blade and the transport handle are milled!
The contact pressure is thus lower than for cast teeth.

- One-handed cable cutter
- Lever joint bolts, thickness 6.5 mm
- 16 mm full material, milled knee lever

Cable cutter

Handy one-hand device with smooth-running and robust drive technology up to 34 mm Ø, all moveable parts made from hardened steel

Ø 34 | Cu AL

Art. no. 200111

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	185	34
	Cu/Al wire sector format	240	34
	Cu wire fine wiring	240	34
	Cu wire fine wiring or telecommunication cable		34
Length:			250
Weight:			0,790

Cable cutter

Handy one- and two-hand tool with smooth-running and robust drive technology up to 52 mm Ø, all moving parts made from hardened steel

Video 200112

Ø 52 | Cu AL

Art. no. 200112

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	400	52
	Cu/Al wire sector format	400	52
	Cu wire fine wiring	450	52
	Cu wire fine wiring or telecommunication cable		52
Length:			320
Weight:			1,122

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

INFO

Cable cutters

200113, 200177, 200114, 200116:

- One-hand cable cutters
- Dual needle-bearing offset lever 14 mm
- Particularly easy to move, thanks to reduction of friction on joint
- Considerable reduction of manual force
- Lever joint bolts, thickness 8 mm
- For the toughest of usage conditions
- Locking with a locking shaft
- Accidental opening of handles in tool case is prevented
- Transport handle play is fixed

Cable cutter

PREMIUM

High leverage, perfected cutting force performance, particularly smooth-running cable cutter with needle bearing eccentric drive up to 35 mm Ø. Extremely durable tool

Ø 35 | Cu AL

Art. no. 200113

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	240	35
	Cu/Al wire sector format	240	35
	Cu wire fine wiring	300	35
	Cu wire fine wiring or telecommunication cable		35
Length:			250
Weight:			0,976

Cable cutter

PREMIUM

High leverage, perfected cutting force performance, particularly smooth-running cable cutter with needle bearing eccentric drive for everyday use up to 45 mm Ø. Extremely durable tool

Ø 45 | Cu AL

Art. no. 200177

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	300	45
	Cu/Al wire sector format	240	45
	Cu wire fine wiring	300	45
	Cu wire fine wiring or telecommunication cable		45
Length:			260
Weight:			0,900

Cable cutter

PREMIUM

High leverage, perfected cutting force performance, particularly smooth-running cable cutter with needle bearing eccentric drive up to 52 mm Ø. Extremely durable tool

Ø 52 | Cu AL

Art. no. 200114

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	400	52
	Cu/Al wire sector format	480	52
	Cu wire fine wiring	500	52
	Cu wire fine wiring or telecommunication cable		52
Length:			325
Weight:			1,340

Special cable cutter

PREMIUM

High leverage, perfected cutting force performance, for data and telephone cables up to 75 mm Ø, high cutting quality through special cutting geometry, smooth-running due to needle-bearing drive mechanics, not suitable for steel wire and very wiry conductors of power supply (EVU etc.)

Ø 75 | Cu AL

Art. no. 200116

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	300	75
	Cu/Al wire sector format	240	75
	Cu wire fine wiring	240	75
	Cu wire fine wiring or telecommunication cable		75
Length:			370
Weight:			1,585

- single wire
- multi-wire
- sector-shaped
- fine wire
- communication/ data
- wire rope
- armoured steel cable (SWA)
- ACSR
- BOLT
- solid steel
- solid CU

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

INFO

Cable cutters

200115, 200119, 200179:

- Two-hand cable cutters for armoured steel cable
- Dual needle-bearing offset lever 14 mm
- Particularly easy to move, thanks to reduction of friction on joint
- Considerable reduction of manual force
- Lever joint bolts, thickness 12 mm
- Extremely well reinforced version for particularly tough uses
- Locking with a locking shaft
- Accidental opening of handles is prevented
- Integrated toothed comb for cleaning in handle
- Transport handle play is fixed

Cable cutter

PREMIUM

High leverage, perfected cutting force performance, almost maintenance-free two-hand cable cutter up to 62 mm Ø, smooth-running through needle-bearing eccentric drive, great range of application, comes with cog comb to clean cogs

Ø 62 | Cu AL

Art. no. 200115

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	750	62
	Cu/Al wire sector format	750	62
	Cu wire fine wiring	750	62
	Cu wire fine wiring or telecommunication cable		62
Length:			410
Weight:			2,224

Cable cutter

PREMIUM

High leverage, perfected cutting force performance, almost maintenance-free quality tool up to 80 mm Ø. Smooth-running due to needle-bearing eccentric drive, also suitable for cables with steel plate jacket and soft steel wire reinforcement, ST 52. Comes with cog comb to clean cogs, integrated in the handle

Ø 80 | Cu AL

Art. no. 200119

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	1000	80
	Cu/Al wire sector format	1000	80
	Cu wire fine wiring	1000	80
	Cu wire fine wiring or telecommunication cable		80
Length:			610
Weight:			3,322

Cable cutter

PREMIUM

High leverage, perfected cutting force performance, almost maintenance-free quality tool up to 100 mm Ø. Smooth-running due to needle-bearing eccentric drive, also suitable for cables with steel plate jacket and soft steel wire reinforcement, ST 52. Comes with cog comb to clean cogs, integrated in the handle

Ø 100 | Cu AL

Art. no. 200179

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	1400	100
	Cu/Al wire sector format	1400	100
	Cu wire fine wiring	1400	100
	Cu wire fine wiring or telecommunication cable		100
Length:			610
Weight:			3,322

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Special cable cutters

Universal cable cutter with eccentric drive

- high leverage, perfected cutting force performance
- one-hand universal- and steel rope cutter with exchangeable cutting segments
- in the case of wear or changing requirements only the cutting segment need to be replaced
- cleaner included
- double needle bearing excenter lever 14mm
- very easy to use through reduction of the attrition of the joint
- strong reduction of the manuar force
- lever joint bolt strength 9mm
- central lubrication
- cone fitting in the bolt with cross drilling on the bearing points
- adjustable level of the transport plugs
- opening of the cutter possible at any time, also suitable for the highest demands without additives

Separable materials:

- cable AL /Cu
- cable with soft steel cover
- steel coverd ropes
- steel armoured ropes
- niro ropes
- flexible steel ropes
- tracking rope cable
- steel armoured hose
- ACSR DIN 48 204
- constructional steel 235JR+AR
- screws

Complete set:

- universal cable cutter
- 1 pair of cutting segments S1 (art. 200178/S1)
- ACSR

Ø 50 | Cu AL

Art. no.	TL	mm²	fine wiring mm²	kg	PU
200178	230	300	240	1,140	1

Video 200178 | PDF 200178

Further accessories for cable cutter item no. 200178

Application: AL/CU: Cross-section 300 mm², Ø 50 mm
Flexible steel cables: Cross-section 95 mm², Ø 14 mm
Niro cables Ø 8 mm, 19/1
ACSR DIN 48 204: Cross-section 150/25 mm², Ø 20 mm, 7/2.1 mm
Steel armoured tubing: Ø 50 mm

Art. no.	mm²	kg	PU
200178/S1	300	0,100	1

Application: AL/CU: Cross-section 150 mm, Ø 30 mm
Flexible steel cables: Cross-section 70 mm, Ø 12 mm
Supporting cable: Cross-section 70/300 mm², Ø 12/30 mm, Type 8
ACSR DIN 48 204: Cross-section 70/12 mm², Ø 11.7 mm, 7/1.44 mm

Art. no.	mm²	kg	PU
200178/B	150	0,100	1

Application: AL/CU: Cross-section: 350 mm, Ø 50 mm
Clean cut and low handgrip with large cross sections
suitable for highly flexible conductors
not for steel

Art. no.	mm²	kg	PU
200178/C	350	0,100	1

Application: AL/CU: Cross-section 350 mm, Ø 50 mm
Flexible steel cables: Cross-section 95 mm, Ø 16 mm
Cable with soft steel sleeve: Cross-section 240 mm², Ø 50 mm
Clean cut and normal handgrip

Art. no.	mm²	kg	PU
200178/S	350	0,100	1

Application: AL/CU: Cross-section 200 mm², Ø 50 mm
Flexible steel cables: Cross-section 95 mm², Ø 14 mm
Niro cables: Ø 8 mm, 19/1
ACSR DIN 48 204: Cross-section 300/50 mm², Ø 24.5, 7/3 mm
Steel armoured tubing: Ø 50 mm
Construction steel 235JR+AR: Ø 10 mm, full material
Screws: Ø 8 mm, 8.8
Can lead to crimping of steel cables are highly flexible, slightly edgy cutaway
section, increased handgrip

Art. no.	mm²	kg	PU
200178/S2	200	0,100	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

INFO

Cable cutters

Precise cut!
The blade joints (screw connection on rotation blade) are adjusted to 0.05 mm!

Durable and strong
Serrations on the blade and the transport handle are milled!
The contact pressure is thus lower than for cast teeth.

200124, 200126:
- One-handed cable cutter
- Lever joint bolts, thickness 6.5 mm.
- 16 mm Full material, milled knee lever.
- Transport handle play can be set (2 grub screws 3 mm in lever)

Front cable cutter

for Copper and Alu-cable 25 mm Ø, squeeze-free cutting, optimized lever-transmission

Ø 25 | Cu AL

Art. no. 200124

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	120	25
	Cu/Al wire sector format	120	25
	Cu wire fine wiring	120	25
	Cu wire fine wiring or telecommunication cable		25
Length:			245
Weight:			1,020

Front cable cutter

for Copper and Alu-cable 34 mm Ø, squeeze-free cutting, optimized lever-transmission by eccentric drive system

Ø 34 | Cu AL

Art. no. 200126

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	185	34
	Cu/Al wire sector format	240	34
	Cu wire fine wiring	240	34
	Cu wire fine wiring or telecommunication cable		34
Length:			330
Weight:			1,541

Front cable cutter with eccentric drive

PREMIUM

High leverage, perfected cutting force performance, very easy to use precision one-handed front cutter, excellent crush-free cutting quality even with fine wired cables, tried and tested and almost wear-free offset drive, rotation blade can be locked in any position, cutting range up to a diameter of 35 mm.
- One-handed cable cutter
- Dual needle-bearing offset lever 14 mm
- Particularly easy to move, thanks to reduction of friction on joint
- Considerable reduction of manual force
- Lever joint bolts, thickness 8 mm
- For the toughest of usage conditions
- Locking with a locking shaft
- Accidental opening of handles in tool case is prevented
- Transport handle play is fixed

Ø 35 | Cu AL

Art. no. 200131

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	240	35
	Cu/Al wire sector format	240	35
	Cu wire fine wiring	300	35
	Cu wire fine wiring or telecommunication cable		35
Length:			330
Weight:			1,673

Front cable cutter with eccentric drive

PREMIUM

High leverage, perfected cutting force performance, easy to use two-handed front cutter with patented offset drive, excellent crush-free cutting quality even for large cross-sections, rotation blade can be locked in any position, cutting range up to a diameter of 55 mm.
- Two-handed cable cutter for armoured steel cable
- Dual needle-bearing offset lever 14 mm
- Particularly easy to move, thanks to reduction of friction on joint
- Considerable reduction of manual force
- Lever joint bolts, thickness 12 mm
- Extremely well reinforced version for particularly tough uses
- Locking with a locking shaft
- Accidental opening of handles is prevented
- Integrated toothed comb for cleaning in handle

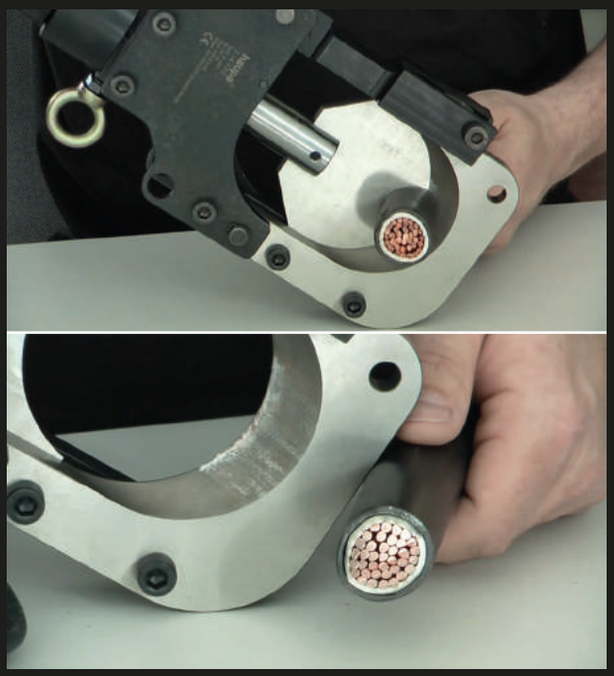
Ø 55 | Cu AL

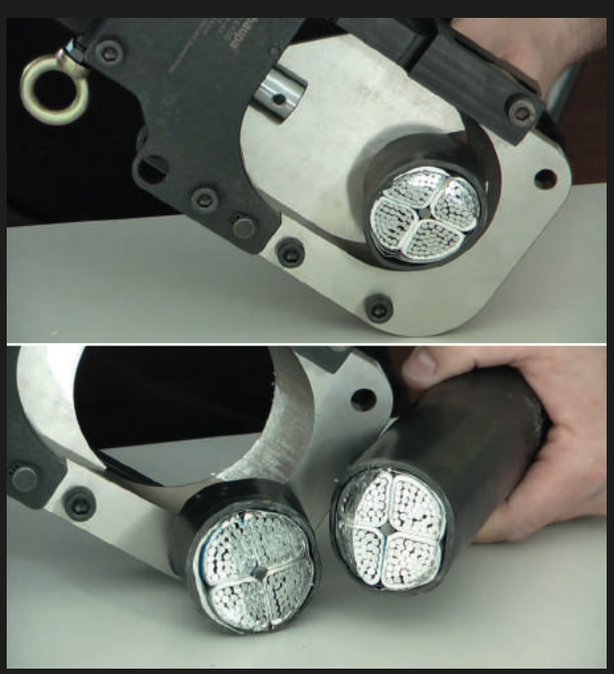
Art. no. 200151

		mm²	Ø
Cutting range:	Cu/Al wire multi wiring	550	55
	Cu/Al wire sector format	550	55
	Cu wire fine wiring	550	55
	Cu wire fine wiring or telecommunication cable		55
Length:			485
Weight:			3,493

haupa®
... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com





Hydraulic cutting

haupa®
... convincing solutions

Hydraulic cable cutters

Hydraulic cable cutter „HH 32-ST“

- in case • cutting head can be rotated 180°
- for copper and aluminium cable • ACSR: Ø 28 mm
- soft CU round bar: Ø 25 mm • soft AL round bar: Ø 22 mm
- soft steel round bar: Ø 16 mm
- CU/AL wire stranded: Ø 32 mm

Ø 32 | Cu AL

Art. no.	TL	Ø	kg	PU
216402	580	32	5,300	1

Hydraulic cutter „HH 85-ST“

- in case • cutting head can be rotated 180°
- with hydraulic quick connections • copper and aluminium cable
- armoured steel cable

For technical data, see page 20

Ø 85 | Cu AL

Art. no.	TL	Ø	kg	PU
216404	690	85	7,000	1

single wire
multi-wire
sector-shaped
fine wire
communication/ data
wire rope
armoured steel cable (SWA)
ACSR
BOLT
solid steel
solid CU

Hydraulic cutting headstocks

Hydraulic cutting headstock

- in bag • with hydraulic quick connections
- copper and aluminium cable • armoured steel cable

For technical data, see page 20

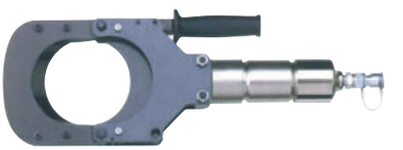
Ø 85 | Cu AL

Art. no.	Ø	kg	PU
216408	85	11,300	1

Hydraulic cutting headstock

- in bag • with hydraulic quick connections
- copper and aluminium cable • armoured steel cable

For technical data, see page 20



Ø 120 | Cu AL

Art. no.	Ø	kg	PU
216410	120	14,600	1

Hydraulic cutting headstock

- in bag • with hydraulic quick connections
- copper and aluminium cable • armoured steel cable

For technical data, see page 20

Ø 95 | Cu AL

Art. no.	Ø	kg	PU
216415	95	11,300	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Hydraulic safety life line cable cutter

DIN EN 50340 HAUPA Schneidgarnituren 60.000 V

used for working under voltage acc. to VDE 0105, part 100.

Consisting of:

- Hydraulic shear with high pressure hose of 10 m, with leak-free coupling system and earth harness acc. to EN 50340
- Double piston pump mounted on foot-pedal, with foot-operated switch
- Transport case
- Fully operational and filled with special oil

According to VDE 0105 Part 1 Para. 9.6.4 the cable cutter 216416 is used for cutting low and medium voltage cables up to 60 KV AC. If a live wire is cut by accident, the operator is not in any danger.
The 10 m long high pressure hydraulic hose, which connects the pump to the cutting head, guarantees the highest standard of safety due to it special insulating features. The cutting process is controlled by watching the manometer attached to the pump, since, in general, the cutting head con not be seen when a cable is cut. This process has been tested repeatedly at medium voltage, with live wires and continuing main supply.
The cutting range goes up to 85 mm. The 12 mm cutting blades are made of high yield point steel and are polished, thus wear- and tear- resistant, A strongly dimensioned guidance of the blades guarantees a high degree of mechanical stability. Even in the event of a short circuit, a safe cutting of the wires is guaranteed, since the individual blades overlap by approx. 20 mm. The blades open themselves when pressure is reduced. The high pressure hose bursts at 2700 bar. The pressure relief safety system of the pump has been adjusted at a 625 bar level.

Ø 85 | Cu AL

Art. no.	Ø	NP	kg	PU
216417	85	625	32,000	1

Hydraulic safety life line cable cutter

PREMIUM

Ø 95 | Cu AL

Art. no.	Ø	NP	kg	PU
216421	95	625	33,000	1

Hydraulic safety life line cable cutter

PREMIUM

Ø 120 | Cu AL

Art. no.	Ø	NP	kg	PU
216416	120	625	36,600	1
216416/850	120	850	36,600	1

- single wire
- multi-wire
- sector-shaped
- fine wire
- communication/ data
- wire rope
- armoured steel cable (SWA)
- ACSR
- BOLT
- solid steel
- Cu solid CU

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Battery powered cable cutters

Battery powered cable cutter „AS-52“

PREMIUM

- for copper and aluminium cable, multi wire
- diameter up to 52 mm

Scope of delivery:
1 cutting tool, 1 quick charger, 1 battery 18V Li-Ion, 4 Ah, in plastic case

Ø 52 | Cu AL | Li-ION 18V 4 Ah

Art. no.	Ø	kg	PU
216434	52	3,000	1

Battery powered cable cutter „AS-52ACSR“

PREMIUM

- Diameter 18,6 mm / 120 mm²
- ACSR 19 mm
- not suitable for Cu/Al

Scope of delivery:
1 cutting tool, 1 quick charger, 1 battery 18V Li-Ion, 4 Ah, in a plastic case

Video 216436

Ø 18,6 | AL Fe | ACSR | Li-ION 18V 4 Ah

Art. no.	Ø	kg	PU
216436	18,6	3,000	1

single wire
multi-wire
sector-shaped
fine wire
communication/ data
wire rope
armoured steel cable (SWA)
ACSR
BOLT
solid steel
solid CU

Hydraulic cable cutters

Battery powered cable cutter „AS6-S20“

PREMIUM

hydraulic for cutting telecommunications cables, cutting head can be rotated by 180°, manual return after the cut has been completed.
Scope of delivery: 1 cutting tool, 1 quick charger, 1 battery, 1 carry strap loop, in SysCon stacking box.

- Pressing force kN: 60 kN
- Working pressure in bar: 700
- Cutting width Ø: 20
- Battery charging time in minutes: 30
- Battery type: Li-Ion, 18 V, 2 Ah
- With the new HAUPA battery item no. 215523 and charger item no. 215527
- ACSR
- Sheet and wire armouring Cu
- Wire rope, bracing wire
- Soft rod steel
- Lead sleeve cable

Video 216418

Ø 20 | Cu AL | 60 kN | 700 bar | 180° | Li-ION 18V 2 Ah | SysCon | ACSR

Art. no.	Ø	kg	PU
216418-1	20	8,100	1

Battery powered wire cutter „AS6-S32“

Hydraulic for cutting telecommunications cables, cutting head can be rotated by 180°, manual return after the cut has been completed.
Scope of delivery: 1 crimping tool, 1 quick charger, 1 battery, 1 carry strap loop, in SysCon stacking box.

- Pressing force kN: 60 kN
- Working pressure in bar: 700
- Cutting width Ø: 32
- Battery charging time in minutes: 30
- Battery type: Li-Ion, 18 V, 2 Ah
- With the new HAUPA battery item no. 215523 and charger item no. 215527

Video 216419

Ø 32 | Cu AL | 60 kN | 700 bar | 180° | Li-ION 18V 2 Ah | SysCon

Art. no.	Ø	kg	PU
216419-1	32	8,100	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Battery powered cable cutter „AS6-40“

Cutting head can be rotated by 180°, manual return, LED for battery control, 1 quick charger, 1 battery, carrying belt, for copper and aluminium cable. The unit also has 2 white LED's to illuminate the respective work area.

Scope of delivery:
1 crimping tool, 1 quick charger, 1 battery, carrying belt in plastic case.

- Pressing force kN: 60
- Working pressure in bar: 700
- Cutting width Ø: 40
- Battery charging time in minutes: 120
- Battery type: Li-Ion, 18 V, 4 Ah

Video 216422

Ø 40 | Cu AL | 60 kN | 700 bar | 180° | 120 min. | Li-ION 18V 4Ah

Art. no.	Ø	TL	kg	PU
216422	40	385	8,100	1

Battery powered cable cutter „AS12-52“

PREMIUM

Cutting head can be rotated by 180°, manual return, LED for battery control, 1 quick charger, 1 battery, carrying belt, for copper and aluminium cable as well as armoured steel cable. The unit also has 2 white LED's to illuminate the respective work area.

Scope of delivery:
1 crimping tool, 1 quick charger, 1 battery, carrying belt in plastic case.

- Pressing force kN: 120
- Working pressure in bar: 700
- Cutting width Ø: 52
- ACSR
- Battery charging time in minutes: 120 • Battery type: Li-Ion, 18 V, 4 Ah

Ø 52 | Cu AL | 120 kN | 700 bar | 180° | 120 min. | Li-ION 18V 4Ah

Art. no.	Ø	TL	kg	PU
216424	52	385	8,500	1

Battery powered cable cutter „AS6-85“

Cutting head can be rotated by 180°, manual return, LED for battery control, 1 quick charger, 1 battery, carrying belt, for copper and aluminium cable, telephon cable. The unit also has 2 white LED's to illuminate the respective work area.

Scope of delivery: 1 crimping tool, 1 quick charger, 1 battery, carrying belt in plastic case.

- Pressing force kN: 60 • Working pressure in bar: 700
- Cutting width Ø: 85 • Battery charging time in minutes: 120
- Battery type: Li-Ion, 18 V, 4 Ah

Video 216428

Ø 85 | Cu AL | 60 kN | 700 bar | 180° | 120 min. | Li-ION 18V 4Ah

Art. no.	Ø	TL	kg	PU
216428	85	385	9,000	1

Battery powered cable cutter „SAS6-85“

PREMIUM

Cutting head can be rotated by 180°, manual return, LED for battery control, 1 quick charger, 1 battery, carrying belt, for copper and aluminium cable as well as armoured steel cable, telephon cable. The unit also has 2 white LED's to illuminate the respective work area.

Scope of delivery:
1 crimping tool, 1 quick charger, 1 battery, carrying belt in plastic case.

- Pressing force kN: 60 • Working pressure in bar: 700
- Cutting width Ø: 85 • Armoured steel cable
- Battery charging time in minutes: 120 • Battery type: Li-Ion, 18 V, 4 Ah

Ø 85 | Cu AL | 60 kN | 700 bar | 180° | 120 min. | Li-ION 18V 4Ah

Art. no.	Ø	TL	kg	PU
216430	85	385	14,000	1

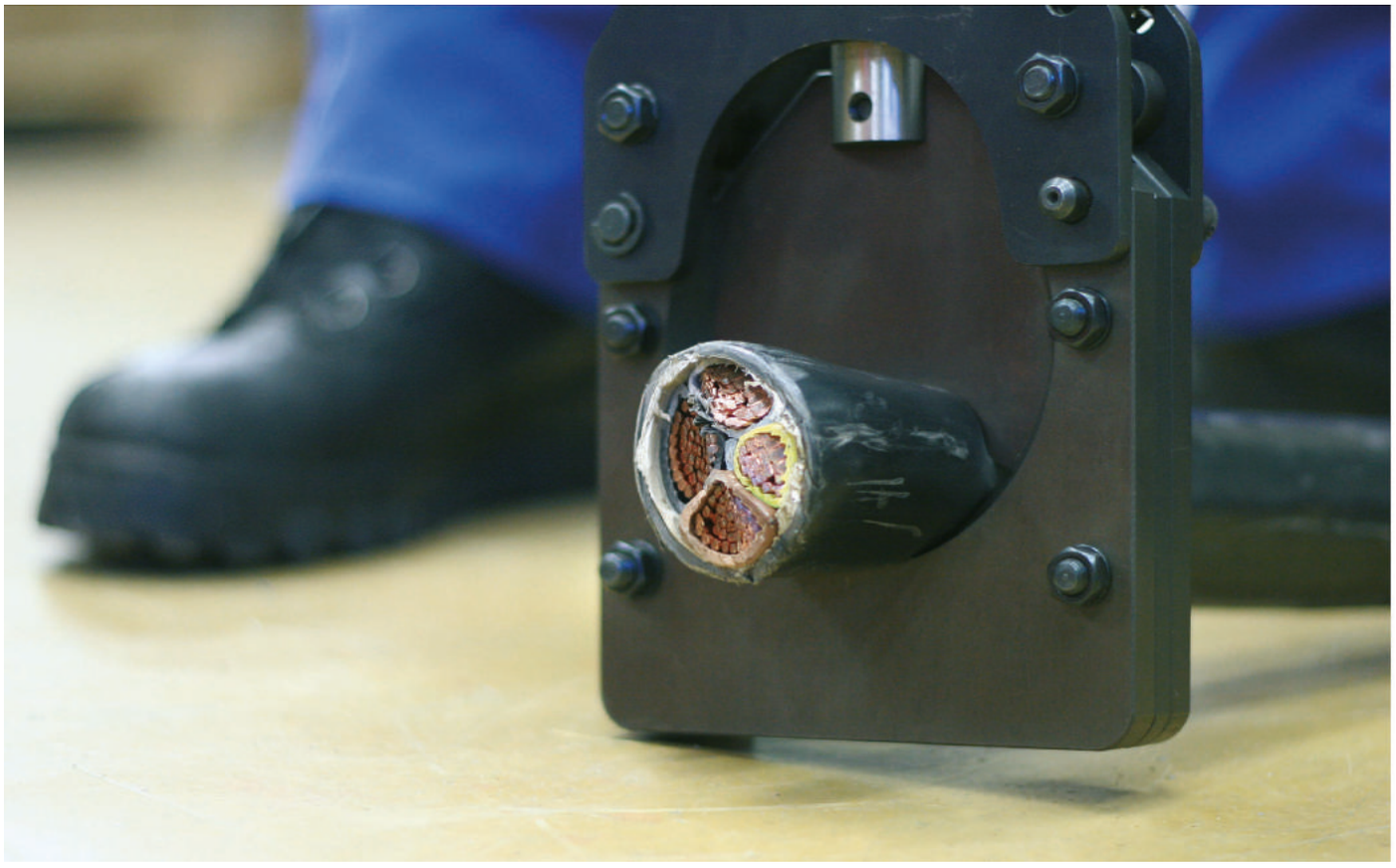
haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Hydraulic cutting tools

Art	216418-1	216419-1	216422	216424	216428	216430	--	--
Type	AS6ST-20	AS6S-32	AS6-40	AS12-52	AS6-85	SAS6-85	--	--
Hand hydraulic cutting tools								
Art	--	--	--	--	--	216404	--	--
Type	--	--	--	--	--	HS-85	--	--
Hydraulic cutting heads								
Art	--	--	--	--	--	216408	216415	216410
Type	--	--	--	--	--	KS-85	KS-95	KS120
Diameter	20	32	40	52	85	85	95	120
Head	swivel	open	swivel	swivel	swivel	swivel	open	swivel
Output force	6	6	6	12	6	700 bar	700 bar	700 - 850 bar
Immediately motor-stop	●	●	●	●	●	●	●	●
Material								
Copper	20	32	40	52	46	85	95	120
Aluminium	20	28	40	52	28	85	95	120
Undergroundcable	--	--	40	52	50	85	95	120
Telephone cable	--	--	40	--	85	85	95	120
ACSR	●	--	--	32	--	--	--	--
Wire rope	●	--	●	●	--	--	●	●
	16	--	22	●	--	--	22	22
	20	--	25	●	--	--	25	25
	20	--	25	●	--	--	25	25
Guy wire	●	--	--	●	--	--	●	●
	20	--	20	●	--	--	15	15
	20	--	25	●	--	--	20	20
Soft steel bar	(under SS41) 13 mm	--	16	25	--	--	--	--
Sheetmetal & Wire armouring, C	20	--	--	●	--	85	95	120
Lead sheated cable	20	--	40	52	85	85	95	120



Stripping

INFO

Cable strippers

Information for strippers

Stripping removes the outer sleeve of a installation cable.
For cables that have already been installed in installation sockets and are thus difficult to access, you use a round stripper.
When stripping, open the stripper and place it on the cable in such a way as to ensure that the round blade is position at the point of the sleeve you wish to remove.
Turn the stripper a quarter turn to the left and to the right, bend the cable a little, and open up the stripper.
Place the tool closer to the end of the cable, close again, and stripper the sleeve away easily.
There is a variety of strippers available for the various types of cable.

Important: Important, when stripping the insulation of inner wires may not be damaged.

Cable stripper „Kabifix“

PREMIUM

- For cutting opening and stripping cables from Ø 6 - 25 mm
- Longitudinal and round cut (swivel lever)
- Ø 6 – 28 mm • NYY 4 – 16 mm² • NYM 5 – 16 mm²
- Coaxial and bell round cable
- Isoflex and PVC piping maximum Ø 25 mm
- Interior adjustment screw for adjusting the cutting depth
- Exchangeable blades

Art. no.	Ø		kg	PU
200022	6 - 28		0,096	1
200024	6 - 28	spare blades	0,010	1

Cable stripper „Kabifix LWL”

PREMIUM

- For cutting opening and stripping fibre-optic and coaxial cables from Ø 6 - 25 mm
- Longitudinal and round cut (swivel lever)
- Interior adjustment screw for adjusting the cutting depth
- Exchangeable blades

Art. no.	Ø		kg	PU
200023	6 - 25		0,136	1
200023/M	6 - 25	spare blades	0,003	1

Cable strippers for short-circuit proof lines

Solar

- For stripping current energy and safety cables
- For stripping short-circuited and grounded, flame retardant, halogen-free cables, e.g. NSGAFÖU, VER H07RN-F
- With lengthwise stop 8 - 10 - 12 mm for even stripping lengths
- For stripping safety and energy cables
- No need to set blades required to cutting depth
- For stripping dual insulated solar cables

Art. no.	Ø	kg	PU
200630	1,5	0,054	1
200632	2,5 - 6	0,054	1
200634	10 - 16	0,054	1

„System 4 – 70“ cable stripper

PREMIUM

Cable stripping knife system with automatic blade protection and interchangeable bracket for stripping any popular round cables. (Main body plus interchangeable bracket item no. 201044, 1 spare blade in the handle)

Scope
- Ø 4 – 70 mm cutting depth
- Inner blade: 35 mm
- Hook blade cutting depth: Level 1: 2.8 mm / Level 2: 3.4 mm / Level 3: 4.0 mm / Level 4: 4.6 mm
- Cable types: Round cable for flexible and fixed installation, moisture-proof cable

Art. no.	Ø	kg	PU
201040	4 - 70	0,068	1

„Profi set“ cable stripping system 4 – 70

PREMIUM

In shockproof plastic boxes, stackable, dimensions: (L 260mm, W 154mm, H 57mm) Set: 6-piece

Contents:
- 201040
- 201042
- 201044
- 201046
- 201048
- 201050

Art. no.	Ø	kg	PU
201054	4 - 70	0,673	1

Interchangeable bracket

Suitable for cable stripping system 4 – 70 (item no. 201040)

Art. no.	Ø		kg	PU
201042	4 - 16	108 x 28 x 33	0,031	1
201044	8 - 28	108 x 28 x 33	0,031	1
201046	27 - 35	133 x 15 x 49	0,060	1
201048	35 - 50	141 x 15 x 56	0,070	1
201050	50 - 70	156 x 15 x 69	0,086	1

Replacement hook blades

Suitable for cable stripping system 4 – 70 (art. no. 201040)

Art. no.	Ø	kg	PU
201052	4 - 70	0,007	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Cable stripping knife

- For removing the sleeve from all current round cables
- Blades, titanium nitride coated, thanks to the higher cutting speed
- Lower wear, increased durability
- Cutting depth can be adjusted using the setting screw on the end of the handle
- Automatic adjustment to round and lengthwise cuts
- Handle security thanks to soft component insert on the bar and handle
- Titanium nitride coated replacement blade in the housing
- Housing made from high-quality, hard wearing polyamide
- With titanium nitride coated hook blade

Video 200031

Art. no.	Ø		kg	PU
200031 ✷	8 - 28		0,100	1
200046		spare blades	0,004	1

Cable stripping knife

- For removing the sleeve from all current round cables
- Blades, titanium nitride coated, thanks to the higher cutting speed
- Lower wear, increased durability
- Cutting depth can be adjusted using the setting screw on the end of the handle
- Automatic adjustment to round and lengthwise cuts
- Handle security thanks to soft component insert on the bar and handle
- Titanium nitride coated replacement blade in the housing
- Housing made from high-quality, hard wearing polyamide

Art. no.	Ø		kg	PU
200038 ✷	4 - 16		0,090	1
200040	8 - 28		0,091	1
200042	28 - 35		0,101	1
200044	35 - 50		0,108	1
200046	35 - 50	spare blades	0,004	1

Stripper standard

- For removing the sleeve from all current round cables
- Blades, titanium nitride coated, thanks to the higher cutting speed
- Lower wear, increased durability
- No need to set blades required to cutting depth
- Fixture clip for safe storage
- Housing made from high-quality, hard wearing polyamide

Video 200036

Art. no.	Ø		kg	PU
200036	8 - 13		0,065	1

„XL“ cable stripper

Use: For stripping round cables with a round cut, extra long for deep flush-mounted boxes
Scope: 8 – 13mm
Cable types: Round cable for flexible and fixed installation, moisture-proof cable

Material:
Casing: Polyamide (PA),
Blade: Speciality steel, hardened, coated with titanium nitride

Video 201045

Art. no.	Ø	kg	PU
201045	0,8 - 13	0,068	1

Universal stripper

- Stripper for removing the sleeve from all current round cables Ø 8 to 13 mm
- Removing the insulation on various cable types, e.g. NYM 3 x 1.5 mm² to 5 x 2.5 mm²
- Contoured blades for stripping wires 0.2-0.3-0.8-1.5-2.5-4.0 mm²
- Ideal for working in distribution and junction boxes
- Longer cable lengths can be stripped using the lengthwise cutting mechanism
- Safe hold thanks to the inclusion of anti-slip handle zones
- No need to set blades required to cutting depth
- Additional titanium nitride coated retractable blade

Video 200043

Art. no.	Ø	kg	PU
200043 ✷	0,2 - 4,0	0,063	1

Stripper „All-rounder“

- Cable stripper for round cables from Ø 4 - 15 mm and flat cables up to 15 mm width
- Stripping 1.5 - 2.5 mm² single wire • Lengthwise cut

Video 200050

Art. no.	Ø	kg	PU
200050 ✷	4 - 15	0,111	1

Flatcable stripper

For stripping round cables with rubber or hard plastic sleeves and flat cables up to 12 mm in width (e.g. NYM cable4 3 x 1.5 to 5 x 2.5 mm², insulated flat cables of flexible cables).

- Stripping tool for cables and litz wire 0.8 - 1.5 - 2.5 mm²
- Ideal for working in tight and difficult to access areas
- Additional blade for lengthwise cut
- Fixture clip for safe storage

Art. no.	Ø	kg	PU
200037	0,8 - 2,5	0,068	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

„Top Coax Plus“ cable stripper

Use:
For stripping all popular coaxial cables and tightening F connectors (HEX 11)
Scope:
Ø 4.8 – 7.5mm F connectors (HEX 11)
Cable types:
Standard coaxial cable, e.g. TV coax, RG58U/RG59U, RG6, PVC flex 3 x 0.75mm²

Art. no.	Ø	kg	PU
201058	4,8 – 7,5 mm	0,320	1

Stripper for coaxial cable

- For removing the sleeve from all current coaxial cables Ø 4,8 to 7.5 mm
- For stripping various cable types, e.g. TV coax, RG 58 / RG 59, PVC flex 3 x 0.75 mm²
- New closure system
- Safe hold thanks to the 2-component handle shells
- Blades, titanium nitride coated, thanks to the higher cutting speed
- Lower wear, increased durability
- 2 blade pairs for two-stage stripping
- Cutting depth does not need to be set
- No damage to the inner sheath and inner cable elements
- Easily recognised, internal length scale

Art. no.	Ø	kg	PU
200636 ✷	4,8 - 7,5	0,041	1

Stripper for coaxial cable

- For coaxial cables, RG-58, RG-59/62, RG-6 and 6QS
- With 3 replaceable and individually adjustable blades
- Cutting distance of 8 and 4 mm

Art. no.	Crimp	kg	PU
200069	RG 58-59-62-6	0,048	1

PC-Strip

- For stripping round cables Ø 5 - 13 mm
- For stripping various cable types, e.g. IBM Type 1, Type 2, flexible cables, etc.
- For stripping PVC insulated data, communication and control cables
- With stripping tool for cables and litz wire from 0.2 - 4 mm²
- Blades, titanium nitride coated, thanks to the higher cutting speed
- Lower wear, increased durability
- No need to set blades required to cutting depth

Art. no.	Ø	kg	PU
200039	5 - 13	0,064	1

PC-Cat

- For stripping round cables Ø 4.5 - 10 mm
- Stripping various cable types, e.g. CAT 5, CAT 6, CAT 7, Twisted-Pair cable
- With stripping tool for cables and litz wire from 0.2 - 0.8 mm²
- For stripping PVC insulated CAT and network cables
- Blades, titanium nitride coated, thanks to the higher cutting speed
- Lower wear, increased durability
- No need to set blades required to cutting depth

Art. no.	TL	Ø	kg	PU
200637	125	4,5 - 10	0,062	1

No.1-Cat

- For stripping PVC insulated data, communication and control cables Ø 4.8 - 10.0 mm
- Cat5, Cat6, Cat7, Twisted-Pair cable
- Blades, titanium nitride coated, thanks to the higher cutting speed
- Lower wear, increased durability
- 2 blade pairs for outer sleeve and foil sheath
- Cutting depth does not need to be set
- With length scale

Art. no.	TL	Ø	kg	PU
200638	128	4,8 - 10	0,050	1

Stripper for UTP-/STP-data cable

Universal tool for cutting, stripping and removing the sleeve from round and flat cables, sheathed and unsheathed cables.
- Cutting depth can be set
- Exchangeable blades
- For cable with a diameter of 3.5 to 9 mm

Art. no.	Ø	kg	PU
200068 ✷	3,5 - 9	0,060	1

Precision stripper PWS Plus

Areas of application: Data processing equipment, control device production, telecommunication, 3 integrated functions:
- Precise stripping from AWG 30 (0.25 mm² Ø) to AWG 20 (0.8 mm² Ø)
- Adjustable straight dog up to 15 mm
- Wire cutter up to 0.8 mm Ø (CU cable)

Art. no.	Ø	kg	PU
200033	0,25 - 0,8	0,039	1

Sensor Tool LSA

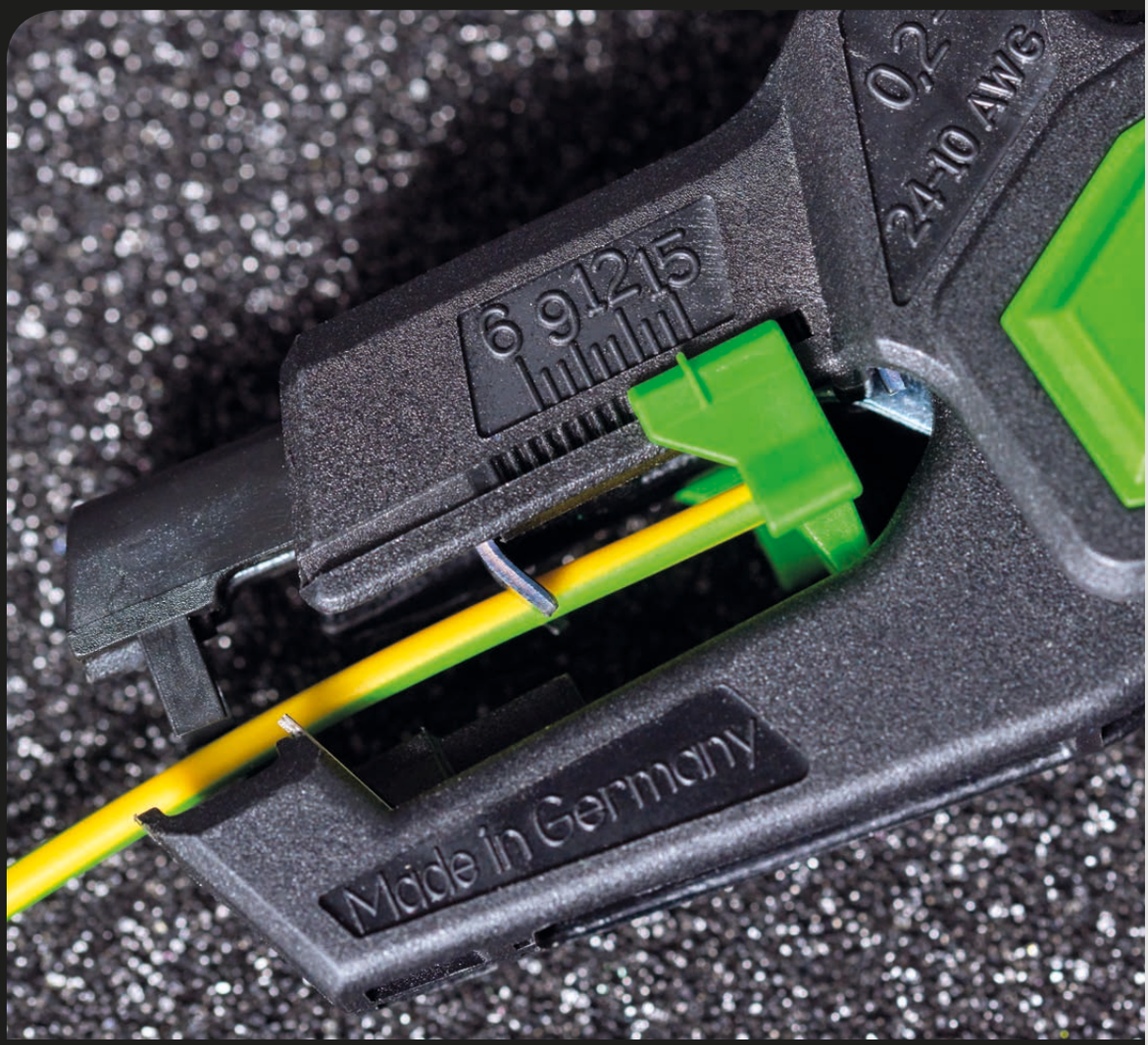
Standard tool for all data, information and telecommunication cables with cutting mechanisms, hook and blade
- Cable diameter: 0.35 - 0.9 mm
- Core diameter: 0.7 - 2.6 mm

Art. no.	Ø	kg	PU
300322 ✷	0,35 - 0,9	0,078	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

Stripping pliers



haupa®
... convincing solutions

INFO

Wire strippers

Stripping is the removal the insulation on an electrical cable (wire).
The following stripping pliers are used to do this:

Manually adjustable stripping pliers
Are set by hand to the stripping diameter by eye. The risk of damaging the cable is thus very high.

Automatic or self-adjusting stripping pliers
For fast and precise cutting and stripping. These tools automatically adjust to the required cable cross-section or insulation thickness. Thus it is not possible to damage the cable or the insulation.
A lengthwise stop makes serial insulation easier.

Micro-precision stripping tools
These are used when fi ne wires are to be stripped. Data technology, network technology, controller construction, telecommunications, electronics, model construction.

Stripping tools for special insulation types
Tefl on insulations are a rubber-like insulation type which make removing the insulation of an electrical cable more diffi cult. In such tough situations we recommend stripping tools that cut the insulation sleeve.

Advantages
- Constant safe stripping results
- Fault free processing
- Precision in every cut
- Serial stripping is made easier by lengthwise stop
- Automatic stripping pliers = 3 in 1 = cut + remove sleeve + strip

Cable stripper, manual

Multi-functional tool including cable cutter for copper cable.
- Comfortable handles
- Precise removal of sleeve thanks to formed blade
- Cutting function
- Gripping function
- With handle lock

Art. no.		TL	mm²	kg	PU
210620	✸	175	0,5 - 2,5	0,158	1
210622		175	0,5 - 1,5	0,158	1
210624		175	0,25 - 0,75	0,161	1

Cable stripper, manual optical fibre

PREMIUM

Multi-functional tool for fibre optic cables.
- For slicing open and cutting cables
- Cutting depth can be set
- Specially designed for use with fibre optic cables (outer sleeves and buffer)
- With handle lock

Art. no.		TL	mm²	kg	PU
200057	✸	150	0 - 0,18	0,120	1

Cable stripper, automatic

- No damage to the cable
- Sleeve is removed according to standard from fine wire cables
- Replaceable blade made from special steel
- Robust metal body
- A pressure spring returns the cutters to the starting position
- Also ideally suited for use with fibre optic cables.

Art. no.		TL	mm²	kg	PU
210691		165	0,5 - 2	0,340	1
210692	✸	165	1 - 4	0,350	1

Wire stripper „High Strip“

- Suitable for cables with problematic insulation types, e.g. rubber, silicone, TPE, etc.
- For cable sized 0.5 - 0.75 - 1.5 -2.5 - 4.0 mm²,
- Adjustable lengthwise stop 5 to 15 mm,

Art. no.	TL	mm²	kg	PU
210684	170	0,5 - 4	0,130	1

Super wire stripper

- Automatic setting to the cross-section
- Working range of 0.5 to 4 mm²
- Integrated side cutter up to 2.5 mm²

Art. no.	TL	mm²	kg	PU
210683	170	0,5 - 4	0,119	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

Wire strippers

Automatic wire stripper Super Plus

for solid and flexible conductors and strands between 0.2 and 6.0 mm² (AWG 24 - 10)

- For fast and precise stripping even of difficult – to-access places
- No adjustment to wire cross section necessary
- Suitable for cables with insulation made from PVC and other materials
- Special scanning system, therefore no damage to conductors
- Adjustable longitudinal stop from 6.0 to 15.0 mm for even serial stripping
- External side cutters for conductors up to 2.5 mm²
- Body of pliers made from fibre-glass reinforced polyamide
- Handle of pliers with elongated hole at the bottom for mounting

Video 210695

Art. no.	TL	mm²		kg	PU
210695	170	0,2 - 6		0,088	1
210695/E			spare blades	0,010	1

Automatic wire stripper

- For single, multiple and fine wire cables from 0.2 to 6.0 mm²
- Ergonomic, automatic strippers
- Increased operating comfort thanks to anti-slip soft components on the stripper handle
- Automatic, energy-saving scanning system
- Cable cross-section does not need to be set
- Optimally positioned side cutter for up to 2.5 mm²
- Adjustable lengthwise stop 6 to 18 mm for same sleeve removal lengths when carrying out series work
- Exchangeable blades

Video 210696

Art. no.	TL	mm²		kg	PU
210696	180	0,2 - 6		0,151	1
210696/2			spare blades	0,030	1

Automatic wire stripper HAUPA-Special

- Ergonomic, automatic strippers
- For cable from 0.5 to 6.0 mm²
- Automatic scanning system
- Cable cross-section does not need to be set
- Optimally positioned side cutter for Cu wires up to Ø 2.8 mm
- Adjustable lengthwise stop to 18 mm

Art. no.	TL	mm²	kg	PU
210681	170	0,5 - 6	0,179	1

Wire stripper / Solar

Solar

- For cables with large cross-sections from 6.0 to 16 mm²
- Also for stripping PVC flex 3 x 0.75 mm² or solar cables Solarflex-X PV1-F
- Automatic strippers
- Optical lengthwise stop to 20 mm
- Cable cross-section does not need to be set
- Any stripping length can be selected as needed
- Exchangeable blades

Art. no.	TL	mm²	kg	PU
210685	160	6 - 16	0,147	1

Flat cable pliers

- For PVC insulated flat cables up to a maximum of 12 mm in width and a cross-section of 0.75 x 2.5 mm²
- Automatic strippers
- Optical lengthwise stop to 20 mm
- Strippers do not need to be set
- Any stripping length can be selected as needed
- Exchangeable blades

Art. no.	TL	mm²	kg	PU
210686	160	0,75 - 2,5	0,148	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Wire strippers

Wire stripper Sensor Mini

The HAUPA Sensor Mini has a specially designed blade geometry with a working area as of 3.2 mm Ø for sensor cables with smaller cross-sections.

- Automatic wire strippers for stripping combination wires for connecting sensor actuators, distribution boxes/bus couplings
- Any length can be stripped
- No need to make setting to the cable cross-section
- Blades can be replaced

Art. no.	Ø	kg	PU
210730	> 3,2	0,121	1

Wire stripper sensor special

Automatic stripper for stripping combination cables for connection of sensor actuators, distribution boxes/bus couplings. For stripping halogen-free screened or unscreened sensor actuator cables with PUR or PVC exterior sleeve and a cable construction with 3 to 8 cores.

- e.g. sensor cable 3 x 0.34 mm² unscreened up to 8 x 0.25 mm² screened
- Any stripping length
- Cable cross-section does not need to be set
- Exchangeable blades

Art. no.	TL	Ø	kg	PU
210729	180	4,4 - 7,0	0,122	1

Cable stripper ASI, automatic

For stripping AS interface cables with TPE/PUR exterior insulation. For use in connecting actuator-sensor interface components.

- Blade contour designed for use with the AS interface cable
- Strippers do not need to be set
- Any stripping length can be selected as needed
- Exchangeable blades

Art. no.	TL		kg	PU
210693	160		0,117	1
210693/1		spare blades	0,030	1

Cable stripper Outlet 20/55

Article number 210697

- For stripping round cable Ø 7.5 to 9 mm
- Insulation thickness of cable maximum 1.2 mm
- Ideal for processing NYM cables 3 x 1.5 mm to 5 x 1.5 mm²
- Compatible with the Cable Outlet laying system from OBO Bettermann or R & M

Article number 210699

- For stripping round cable Ø 7.5 to 9 mm
- Insulation thickness of cable maximum 1.65 mm
- Ideal for processing NYM cables 3 x 1.5 mm to 5 x 1.5 mm²
- Coaxial cable, screened or unscreened measuring control and control cables

Suitable for connecting potential equalising, screened connection system or grounding clips.

Art. no.	TL	Ø		kg	PU
210697	160	7,5 - 9	55	0,104	1
210699	160	7,5 - 9	20	0,100	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Automatic cable stripper

- For stripping fine wires and solid cables 0.08 – 2.5 mm²
- Stripping length, maximum 15 mm
- Automatic setting to the cross-section
- Integrated side cutter of up to 6 mm²
- With stripping lengthwise stop

Art. no.	TL	mm²	kg	PU
211928	160	0,08 - 2,5	0,156	1
211928/1		spare blades	0,005	1

Automatic cable stripper

- For stripping fine wires and solid cables 0.08 – 6 mm²
- Automatic setting to the cross-section
- Integrated side cutter of up to 6 mm²
- With stripping lengthwise stop

Art. no.	TL	mm²	kg	PU
211930 *	205	0,08 - 6	0,255	1
211930/1		spare blades	0,005	1

Automatic cable stripper

- For stripping fine wires and solid cables 0.03 – 6 mm²
- For stripping and cutting dual insulated cables
- For stripping and cutting 4-6-8-pole telephone or data cables
- Automatic setting to the cross-section
- Integrated side cutter of up to 6 mm²
- With stripping lengthwise stop

Art. no.	TL	mm²	kg	PU
210690	200	0,03 - 6	0,184	1

Automatic cable stripper

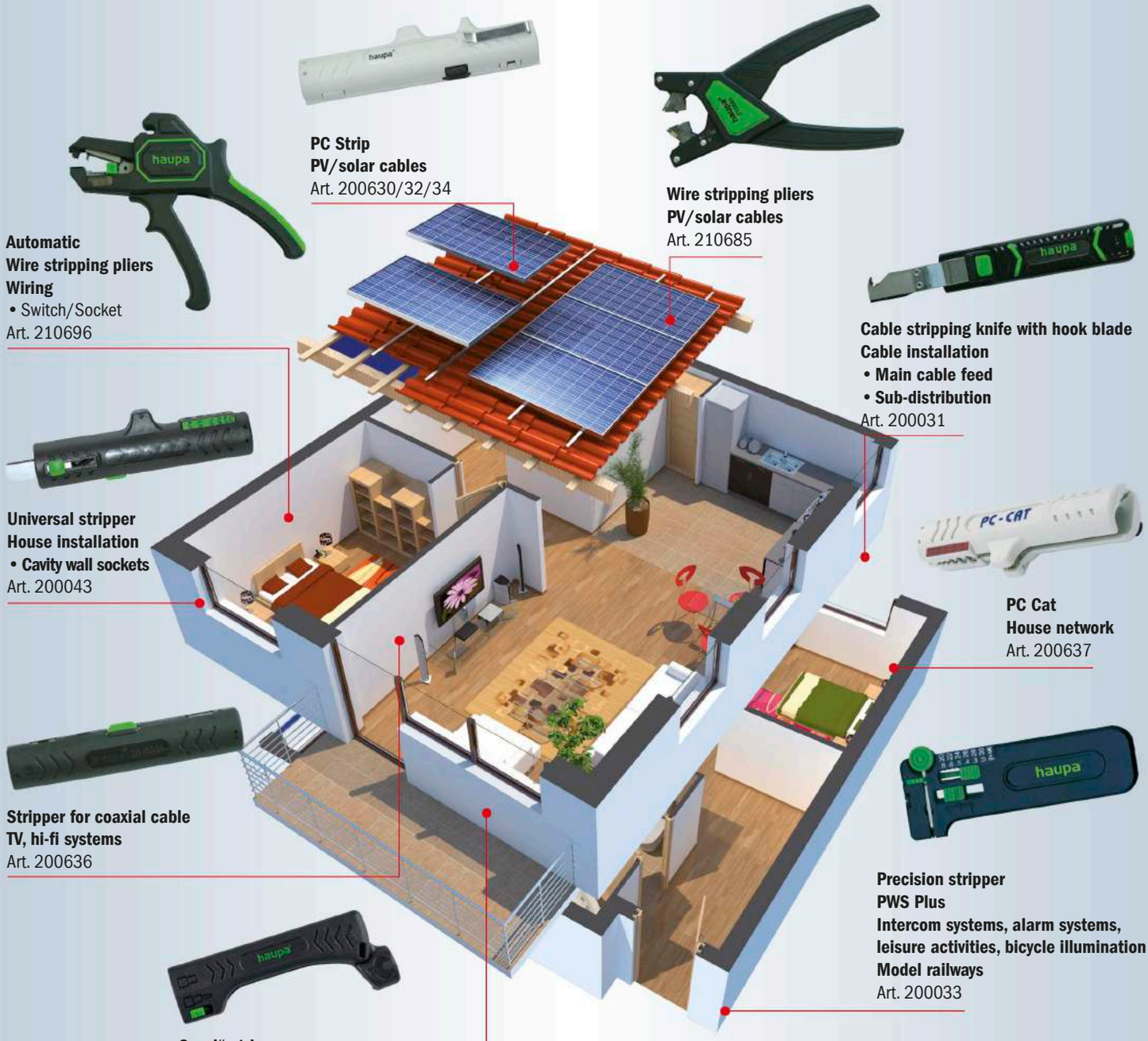
- For stripping fine wires and solid cables 0.03 – 10 mm²
- Automatic setting to the cross-section
- Integrated side cutter of up to 10 mm²
- With stripping lengthwise stop

Art. no.	TL	mm²	kg	PU
211934	205	0,03 - 10	0,413	1

Automatic cable stripper

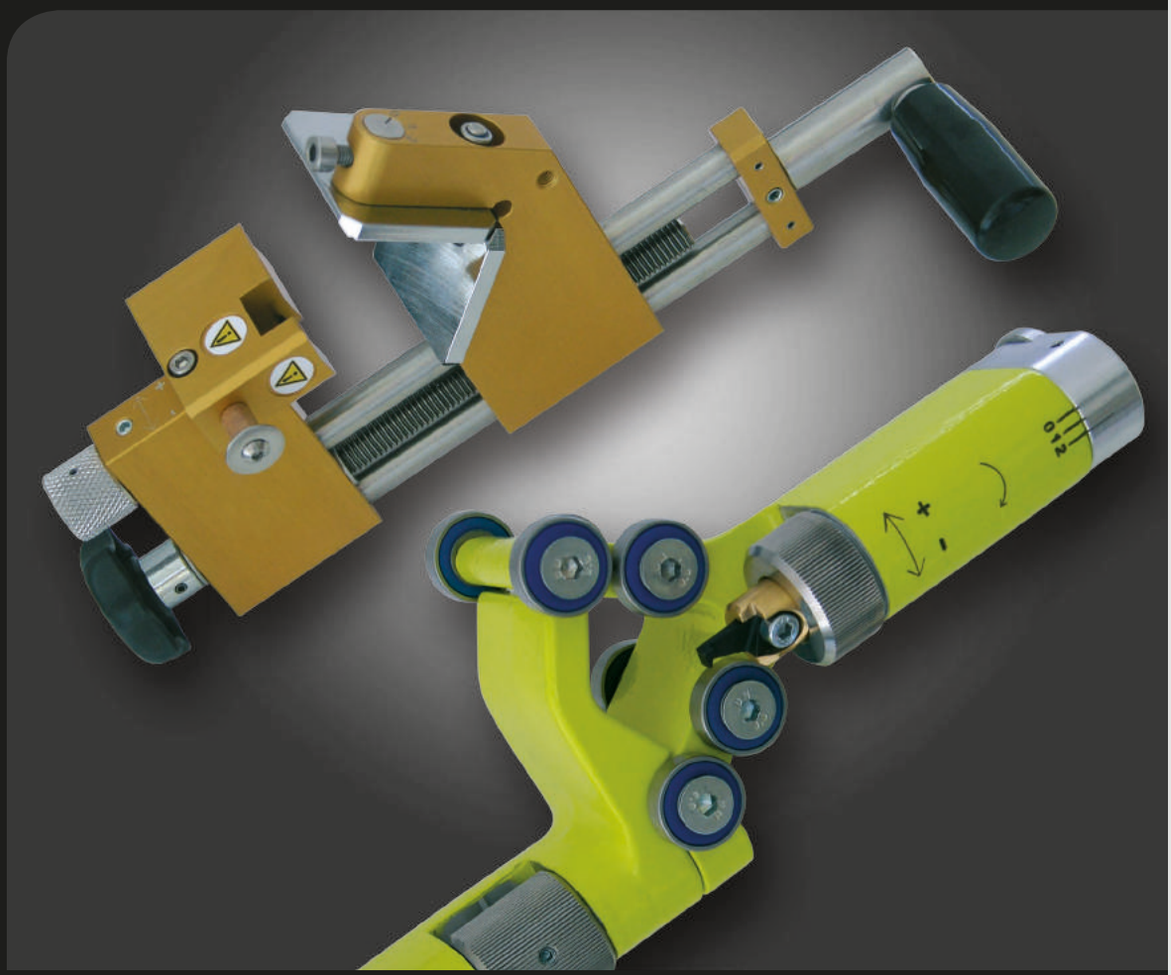
- For stripping fine wires and solid cables 6 – 16 mm²
- Automatic setting to the cross-section
- Integrated side cutter of up to 6 mm²
- With stripping lengthwise stop

Art. no.	TL	mm²	kg	PU
211932	205	6 - 16	0,250	1
211932/1		spare blades	0,005	1



Strippers for building installation work

Stripping



haupa®
... convincing solutions

INFO

Cable strippers

Stripping refers to the removal of the outer sleeve of the cable.
A special tool is used to first cut in a ring around and then along the length of the cable.
Cable sleeve cutters are available in a wide variety of versions.

Important:
When stripping, the insulation of the inner wires and the wires themselves may not be damaged.

Cable sheath cutter

PREMIUM

for removing all insulating layers from cables with diameters as of 25 mm

- Replaceable dual blade
- Cutting depth can be set
- Suitable for lengthwise and circular cuts

Art. no.	Ø		kg	PU
110567	>25		0,220	1
110569		spare blades	0,040	1

Stripping pliers

For cutting and removing the cable sheathing of low and medium-high voltage cables

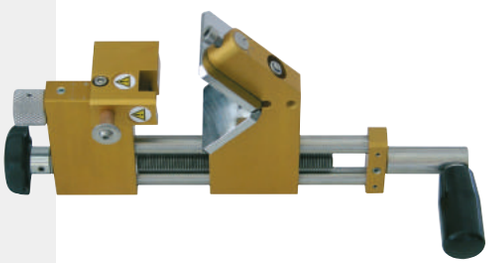
Art. no.	TL	Ø	kg	PU
200187	260	26 - 52	0,760	1
200188	290	47 - 75	1,100	1

Stripping tool for medium-high voltage cable

A universal tool for controlled and safe stripping of the firm extruded exterior semi-conductor layer of medium-high voltage cable with 10-30 KV and for greater voltage levels. Working range 10-50 mm.

- Stripping depth can be set
- Defined round cut
- Automatic work feed

Video 200520



Art. no.	Ø		kg	PU
200520	10 - 50		0,800	1
200520/1		repl. blade set	0,100	5

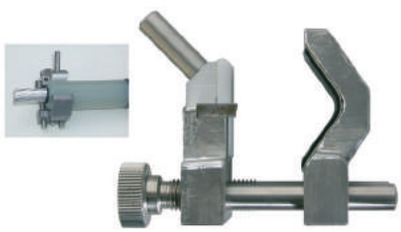
Cable Sheath Stripper

A combination tool for all standard cross-sections in the medium-high voltage range for VPE single-core cables.
Cutting and stripping the exterior sleeve and the inner cable insulation.
Two feeds and a zero setting can be set to ensure precise stripping. The sleeve is lifted at the cutting point and this prevents damage to the construction elements below.

Video 200524

Art. no.	Ø	mm²	kg	PU
200524	15 - 55	35 - 500	0,800	1
200524/1		spare blades	0,020	1

Edge cutter



Art. no.	Ø	kg	PU
200526	40	0,100	1
200528	60	0,100	1

Complete assembly case

PREMIUM

Content:

- Sleeve cutter
- Plastic prism
- Stripping device
- Silicone paste
- Edge cutter
- Key for changing blades

Art. no.	mm²	kg	PU
200522	35 - 500	0,800	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Pressing and crimping

1.5
2.5
4-6
0.5

Crimping pliers for Photovoltaic

INFO

Photovoltaic

The photovoltaic energy conversion is carried out with the assistance of solar cells that are connected in order to form solar modules in photovoltaic plants. The generated electricity can be stored on site in accumulators or fed into the power network. If the energy is fed into the public power network then the direct current generated by the solar cells with be converted by a converter into alternating current. In order to constantly make energy available, the energy must be stored.

Crimping pliers

with locking device, with adjustable crimp pressure, chrome plated **square crimp (MC 3), roll crimp (MC 4)**

Art. no.	mm²		kg	PU
211657	2,5 - 6	MC3	0,560	1
211659	2,5 - 6	MC4	0,560	1

Crimping pliers HUPstar Photovoltaic

for photovoltaic connectors. Crimp pliers for industrial users, revolving precision impression dies with parallel feed, changeable dies.
Pressing star 213084/E
Amphenol Helios H4: 2.5 / 2.5 / 6, Multi-Contact MC3: 2.5 / 2.5 / 6
Multi-Contact MC4: 2.5 / 2.5 / 6, Tyco Solarlok: 1.5 / 1.5 / 4.6

Art. no.	TL		mm²	kg	PU
213084	230		1,5 - 6	0,650	1
213084/E		dies	1,5 - 6	0,160	1

Crimpset „MULTI Photovoltaik“

Innovative crimping tool with rapid change system - one tool for almost all crimping applications

Contents of set: Crimping plier Multi (211962)
Crimping dies for „Multi - Contact“ connectors MC3
2,5 + 4 + 6 mm², AWG 13/11/10
Crimping dies for „Multi - Contact“ connectors MC4
2,5 + 4 + 6 mm², AWG 13/11/10

Other advantages:
- Screw less fast change system for crimping dies
- Single hand operation with expenditure energy
- With ratchet and built-in safety release, guarantees proper electrical connection
- Adjustable crimp pressure
- Chrome plated tool frame
- Additional purchase of other crimping dies possible
- Handy box protects pliers and dies

Art. no.	width	height	Tiefe		kg	PU
212005	260	40	200	MC3 + MC4	1,150	1

HAUPA Crimp System for Photovoltaics

Crimp System Pliers for Photovoltaics

The basic hardware of the carrying case consists of:
- one pair of pliers, chromium-plated without crimping pliers insert
- one allen wrench (A/F 2.5 mm) • one open-jawed wrench (A/F 7)
- 2 pieces spare screws (M4 x 10/M4 x 16 mm)

Specificationen:
- Special crimping pliers for crimping solar contacts of almost all types of connector systems
- Guaranteed exact, solder-free, electric connections
- Parallel closing of the crimping dies
- 30 % reduction of hand force through optimized leverage
- Forced latching for reliable crimping, releasable
- Crimp pressure adjustable
- Long lever arm allowing single-hand and two-hand control
- Easy change of the crimping pliers inserts, Locator fitting option for the determination of the connector position
- Several crimping positions in one crimp die assembly
- Design: chromium-plated with black plastic handle
- Material: specially heat-treated special steel

Art. no.	mm²		kg	PU
212200	6	6 pcs.	0,998	1

Crimp inserts for "Huber & Suhner" contacts		
212206	2,5 + 4 mm², AWG 13/11	1
212208	4 + 6 mm², AWG 13/11	1
Crimp inserts for "multi-contact" contacts		
212210	MC3, 2,5 + 4 + 6 mm², AWG 13/11/10	1
212212	MC3, Locator	1
Crimp inserts for "multi-contact" contacts		
212214	MC4, 2,5 + 4 + 6 mm², AWG 13/11/10	1
212216	MC4, Locator	1
Crimp insert for "Hirschmann" contacts		
212218	2,5 + 4 + 6 mm², AWG 13/11/10	1
Crimp insert for "Tyco" contacts		
212220	Tyco 1,5 + 2,5 + 4 + 6 mm²	1
212222	Locator for Tyco	1
Dies for Solar contacts Amphenol		
212226	2,5 + 4 mm², AWG 13/11	1
212228	2,5 + 4 mm², AWG 13/11	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

INFO

Crimping pliers for end sleeves

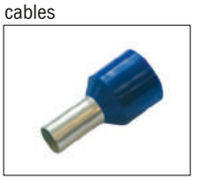
When crimping end sleeves a distinction is made between sleeves with and without plastic collars and between trapezoid, square and hexagon pressing.

The sleeves with a plastic collar make it easier to insert individual stranded wires. The coloured marking on the wire end sleeves is used to classify the cross section.

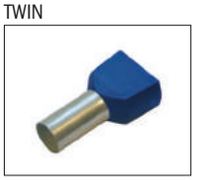
Pliers with a square crimp ensure better contact in the terminal strip. The square crimp also facilitates alignment and assembly, as clamps can be attached to each of the surfaces.

insulated end sleeves

for short-circuit-proof cables



TWIN



tin-plated

bare

Crimping pliers

for end sleeves, with cutting and stripping mechanism, black

Art. no.	TL	mm²	kg	PU
210818	165	0,25 - 2,5	0,210	1

Crimping pliers

for end sleeves, with cutting and stripping mechanism, matt, chrome-plated

Art. no.		TL	mm²	kg	PU
210820	✸	140	0,25 - 2,5	0,202	1
210824	✸	220	0,75 - 16	0,304	1
210826	✸	225	10 - 35	0,277	1

Crimping pliers

for end sleeves, short construction, 20% angled handy form, with locking device, with adjustable crimp pressure, **trapezoid pressing**

Art. no.	mm²	kg	PU
211650	0,14 - 2,5	0,371	1
210841	0,25 - 6	0,380	1
211652	6 - 16	0,374	1

Crimping pliers for twin end sleeves

with locking device, with adjustable crimp pressure, chrome plated, **trapezoid pressing**

Art. no.	mm²	kg	PU
211676	0,5 - 6	0,576	1
211678	6 - 16	0,604	1

Crimping pliers

for end sleeves, with locking device, with adjustable crimp pressure, chrome plated, **trapezoid pressing**

Art. no.		mm²	kg	PU
210763	✸	0,5 - 4	0,578	1
210842	✸	1 - 10	0,553	1
210765		6 - 16	0,582	1
211672		10 - 25	0,580	1
210768		10 - 35	0,606	1
211674		25 - 50	0,600	1

HUPcompact „HC02"

for end sleeves, 100% parallel crimp, precision crimp, handle force: 5 kN, small compact construction, life span: 50,000 crimp cycles, **trapezoidal pressing**, (10 + 16 mm² wave profile/ 0.5-6 mm² trapezoidal profile)

Art. no.	Ø	kg	PU
213088	0,25 - 16	0,480	1

Crimping pliers

for end sleeves, precise **square pressing** profile, automatic setting to the conductor cross-section, unlockable forced lock, guarantees connections that meet DIN, high transmission and ergonomically shaped plastic handles for fatigue free working, **square pressing**,

2 grooved and 2 smooth jaws for better insertion of the sleeve.

Art. no.	mm²		Twin (mm²)	kg	PU
210804	0,08 - 10	square	2 x 4	0,413	1

Crimping pliers

for end sleeves, precise crimping profile, automatic setting to the conductor crosssection, unlockable forced lock, guarantees connections that meet DIN, high transmission and ergonomically shaped plastic handles for fatigue free working, **square pressing**

Art. no.		mm²		Twin (mm²)	kg	PU
211816	✸	0,08 - 16	square	2 x 4	0,413	1

PU Packing unit PE Price unit

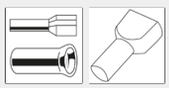
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Crimping pliers for end sleeves

Crimping pliers

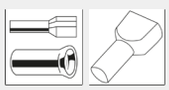
for end sleeves, precise hexagonal crimping profile, automatic setting to the conductor cross-section, unlockable forced lock, guarantees connections that meet DIN, high transmission and ergonomically shaped plastic handles for fatigue free working, **hexagon pressing**



Art. no.	mm²		Twin (mm²)	kg	PU
211805	0,08 - 6	hexagonal	2 x 2,5	0,413	1

Crimping pliers

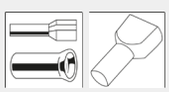
for end sleeves, precise crimping profile, automatic setting to the conductor crosssection, unlockable forced lock, guarantees connections that meet DIN, high transmission and ergonomically shaped plastic handles for fatigue free working, **hexagon pressing**



Art. no.	mm²		Twin (mm²)	kg	PU
211818	0,08 - 10	hexagonal	2 x 4	0,413	1

Front-Crimping pliers

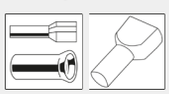
for end sleeves, precise **square pressing** profile, automatic adjustment on wire diameter, frontal approach allows working in small areas, sidewise approach for end sleeves up to 2.5 mm², with locking device, high transmission and ergonomically formed plastic handle, **square pressing**



Art. no.	mm²		Twin (mm²)	kg	PU
210819	0,08 - 10	square	2 x 4	0,489	1
211810	0,08 - 16	square	2 x 6	0,489	1

Front-Crimping pliers

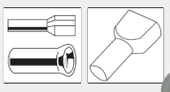
for end sleeves, automatic adjustment of crimp-profile, with locking device, with adjustable crimp pressure, **trapezoid pressing**



Art. no.	mm²		Twin (mm²)	kg	PU
210979	0,14 - 6		2 x 4	0,575	1
210979/B	10 - 16		2 x 6	0,584	1

Crimping pliers

for end sleeves, lever translated version for better transmission of force, with unlockable locking mechanism, with wave profile, also suited for thinned, compacted conductors, **trapezoidal pressing**



Art. no.	mm²	Twin (mm²)	kg	PU
210788	10 - 50	2 x 4	0,732	1
210789	50 - 95	2 x 6	0,800	1

Quadro with magazine

Integration of four functions for precise crimping of connector sleeves from tapes, 0.5 - 2.5 mm Ø.

- Insulation stripping: 0.5 - 2.5 mm Ø
- Twisting: 0.5 - 2.5 mm Ø
- Cutting: cables and cords 0.5 - 2.5 mm Ø
- Crimping: 0.5 - 2.5 mm Ø

Art. no.	TL	mm²	kg	PU
210682/1	170	0,5 - 2,5	0,056	1

Quadro complete set in case

in case:
1 „Quadro“-pliers incl. magazine
2 spare magazines

Art. no.	TL	mm²	kg	PU
210682	170	0,5 - 2,5	0,713	1
210682/2		Magazine for Quadro	0,020	1

haupa®

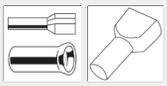
... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Pneumatic crimpers

HAUPA Pneumatic Crimpers

for end sleeves, pneumatic crimpers crimp wire end sleeves quickly and without effort. Table top versions are actuated by a foot switch, allowing the operator to use both hands. The Pneumatic Crimpers are lightweight and easy to use. The crimping mechanism is easily activated, making it perfectly suited for work in control cabinets and electrical equipment. These tools are maintenance free - they require no routine calibration - only 60 - 90 psi to allow proper operation. Incl. spiral hose 2 m

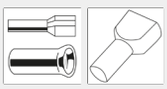


Video 217010-40

Art. no.	TL	mm²	kg	PU
217030	200	0,25 - 2,5	0,720	1
217040	200	4 - 10	0,739	1

HAUPA Pneumatic crimpers table top versions

for end sleeves, table top versions are actuated by a foot switch, allowing the operator to use both hands. Incl. spiral hose, foot switch and table clamp



Art. no.	TL	mm²	kg	PU
217010	200	0,25 - 2,5	5,000	1
217020	200	4 - 10	5,000	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

haupa
MADE IN GERMANY
0804

Crimping pliers for insulated crimp cable lugs

INFO

Crimping pliers for insulated crimp cable lugs

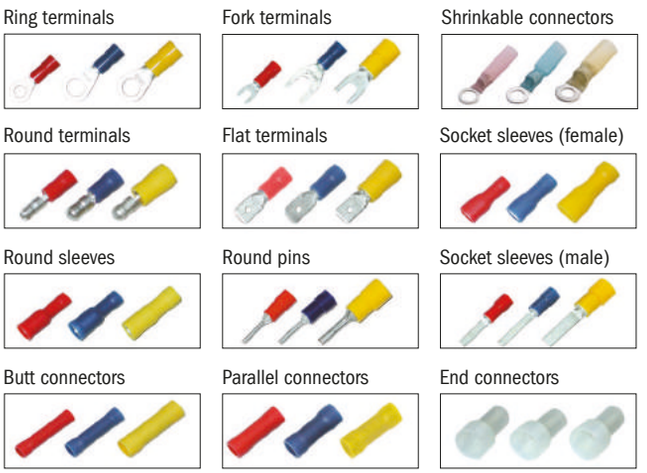
Insulated cable lugs and crimp cable lugs are crimped in an oval form.

The coloured marking of the wire cross section to the insulated cable lug is defined in DIN 46245, Parts 1, 2 and 3.

- Red => stands for 0.5 to 1 mm²
- Blue => stands for >1.5 to 2.5 mm²
- Yellow => stands for >2.5 to 6 mm²

As the cable lug is rolled from a metal sheet, attention should be paid to the position of the butted edge. It should be in the middle of the top profile. If it is on the side, the edge opens up and the wire is not gastight or adequately clamped.

Butted edge



Crimping pliers

for insulated crimp cable lugs, short construction, 20% angled handy form, with locking device, with adjustable crimp pressure, **oval pressing**

Art. no.	mm²	kg	PU
210845	0,08 - 2,5	0,343	1

Crimping pliers

for insulated crimp cable lugs, with locking device, with adjustable crimp pressure, chrome plated, **oval pressing**

Art. no.	mm²	kg	PU
210761 ✸	0,5 - 6	0,566	1

HUPcompact „HC01"

for insulated cable lugs and connectors, 100% parallel crimp, precision crimp, handle force: 5 kN, small compact construction, life span: 50,000 crimp cycles, **oval pressing**

Art. no.	Ø	kg	PU
213090	0,1 - 6	0,578	1

Crimping pliers

for insulated crimp cable lugs, lever translated version for better transmission of force, with unlockable locking mechanism, **oval pressing**

Art. no.	mm²	kg	PU
210827	10 - 16	0,472	1

Crimping pliers

for insulated crimp cable lugs with wire-and bolt-cutters and wire stripper with threaded bolt-cutter, **oval pressing**

Art. no.	mm²	kg	PU
210802	0,5 - 6	0,178	1

Combi-Crimping pliers

for insulated and uninsulated crimp cable lugs and connectors from 0.5 - 6 mm², C 45, cutting edges induction hardened, with wire-and bolt-cutters and wire stripper with threaded bolt-cutter, **oval pressing**

Art. no.	mm²	kg	PU
210808 ✸	0,75 - 6	0,198	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Crimping pliers for shrink connectors

Crimping pliers

for shrink connectors, with locking device, with adjustable crimp pressure, chrome plated, **oval pressing**

Art. no.	mm²	kg	PU
211695	0,5 - 10	0,566	1

Crimping pliers for coaxial connections

Crimping pliers

for coax-connections, short construction, 20% angled handy form, with locking device, with adjustable crimp pressure, **hexagon pressing**

Art. no.	Crimp	kg	PU
210849	RG 55-58-59-62	0,303	1

Crimping pliers

for coax-connections, with locking device, with adjustable crimp pressure, chrome plated, **hexagon pressing**

Art. no.	Crimp	kg	PU
210767 *	RG 55-58-59-62	0,567	1
211680	RG 55-58-59-62-5-6	0,578	1

Crimping pliers HUPstar Coax

for coaxial connectors. Crimp pliers for industrial users, revolving precision impression dies with parallel feed, changeable dies.

Pressing star 213082/E
Coax:
Hexagon crimp, BNC, TNC, SNB, SNC, SMS, SMA, MCX, 1.07 to 10.9 mm

Art. no.	TL	kg	PU
213082	230	0,650	1
213082/E	dies	0,160	1

Crimping pliers for contacts and connectors

INFO

Crimping pliers for contacts and connectors

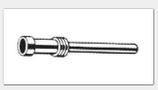
D–Sub plugs are open plug-in connectors that are connected with the wire via a rolling crimp. D-Sub plugs are used in modern office and communication technology.

Rolled contacts are open plug-in connectors that are connected with the wire via a rolling crimp. It is important to choose the correct plug for the cross section of the wire. No single wire may project from the crimp.

Twisted contacts are used to connect computer interfaces, power and control wires in multi-pole plug-in connections and flexible assembly lines in the automotive industry.

Crimping pliers

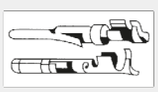
short construction, for twisted contacts, 20% angled handy form, with locking device, with adjustable crimp pressure, **square pressing**



Art. no.	crimp	kg	PU
211656	0,14-4	0,367	1
211658	1,5-6	0,372	1

Crimping pliers

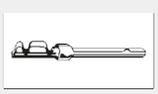
short construction, for rolled contacts, 20% angled handy form, with locking device



Art. no.	crimp	kg	PU
211660	0,5-1,5	0,370	1

Crimping pliers

short construction, for D-Sub-connectors, 20% angled handy form, with locking device



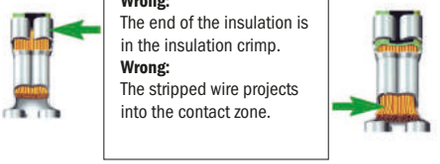
Art. no.	crimp	kg	PU
211662	0,08-0,5	0,365	1

Crimping pliers for uninsulated open brass cable lugs

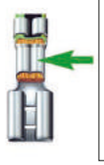
INFO

Crimping pliers for uninsulated open brass cable lugs

We distinguish between wire crimps and insulation crimps. The end of the wire should be flush with the wire crimp or extend beyond it no further than 1 mm, so that the plug function is not affected.
The insulation end must not project into the wire crimp, however it must also not lie just half beneath the insulation crimp. Only in this way can a standard-compliant crimp be ensured.
In a good crimp the wire must be deformed. In this case one talks of a “gastight crimp”.



Wrong:
The end of the insulation is in the insulation crimp.
Wrong:
The stripped wire projects into the contact zone.

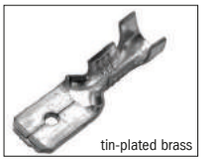


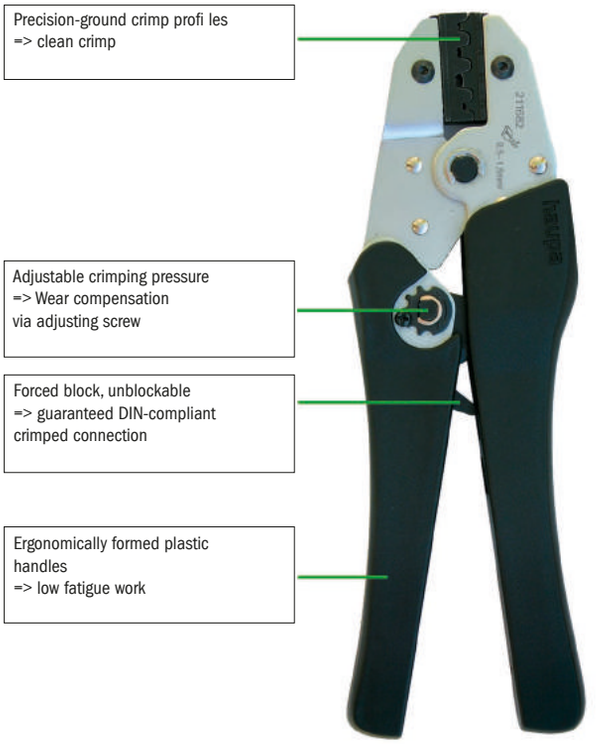
Correct:
The end of the insulation and the stripped wire are crimped accurately.
To facilitate accurate crimping a positioning aid is available for crimping pliers.

Socket sleeves (female) with cable stop

Socket sleeves (female) with cable stop and side cable connection

Flat terminals





Crimping pliers

for open brass cable lugs, short construction, 20% angled handy form, with locking device, with adjustable crimp pressure, **roll pressing**

Art. no.	mm²	kg	PU
210777	0,5 - 1,5	0,366	1

Crimping pliers

for open brass cable lugs, with locking device, with adjustable crimp pressure, chrome plated, **roll pressing**

Art. no.	mm²	kg	PU
211682	0,5 - 2,5	0,568	1
210762	0,5 - 6	0,575	1

Crimping pliers

for open brass cable lugs, with locking device, with adjustable crimp pressure, chrome plated, **roll pressing**

Art. no.	mm²	kg	PU
210785	0,05 - 1	0,537	1
210786	1,5 - 2,5	0,535	1

HUPcompact „HC04"

for open brass tab connectors, 100% parallel crimp, precision crimp, handle force: 5 kN, small compact construction, life span: 50,000 crimp cycles, with locator, **roll pressing**

Art. no.	Ø	kg	PU
213094	0,5 - 6	0,490	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

INFO

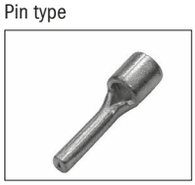
Crimping pliers for uninsulated terminals

Important when crimping uninsulated terminals and butt space connectors: Uninsulated crimping terminals are pressed together by means of so-called piercing compression. The crimp sleeve is compressed in the middle. The pressing thorn should be set to the separating seam of the sleeve.

Crimping terminals
Ring type

Crimping terminals
Fork type

Crimping terminals
Pin type



Crimping terminals
Butt connectors

Crimping terminals
Parallel connectors

Crimping pliers

for non insulated crimp cable lugs, short construction, 20% angled handy form, with locking device, with adjustable crimp pressure, **mandrel shape pressing**

DIN 46234 | DIN 46341

Art. no.	mm²	kg	PU
210778	0,25 - 2,5	0,363	1
210779	1,25 - 6	0,366	1

Crimping pliers

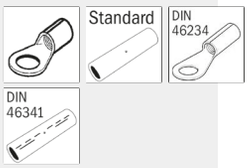
for non insulated crimp cable lugs, with locking device, with adjustable crimp pressure, chrome plated, **mandrel shape pressing**

DIN 46234 | DIN 46341

Art. no.	mm²	kg	PU
210764	1,5 - 10	0,565	1

HUPcompact „HC03"

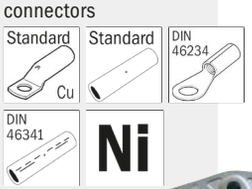
for non insulated cable lugs and connectors, 100% parallel crimp, precision crimp, handle force: 5 kN, small compact construction, life span: 50,000 crimp cycles, **mandrel shape pressing**



Art. no.	Ø	kg	PU
213092	0,75 - 10	0,480	1

Crimping pliers

for non insulated crimp cable lugs, lever translated version for better transmission of force, with mandrel pressing, for standard tubular cable lugs and connectors. Particularly well suited to nickel tubular cable lugs and connectors



Art. no.		mm²	kg	PU
210772	1-2,5-4 > 6-10	1 - 10	0,478	1
210774	1 > 2-6-10-16	1 - 16	0,503	1

Crimping pliers

for non insulated crimp cable lugs, lever translated version for better transmission of force, with mandrel pressing, for standard tubular cable lugs and connectors

DIN 46234 | DIN 46341

Art. no.	mm²	kg	PU
210799	0,5 - 16	0,903	1

INFO

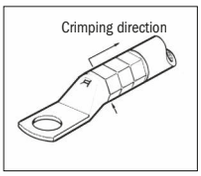
Crimping pliers for uninsulated tubular cable lugs

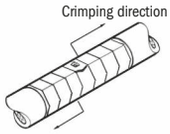
1. Choosing the connector
To achieve a standard-compliant connection it is necessary to choose the correct connector for the application and the right cable cross section.

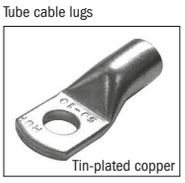
2. Stripping
Before notching, the cable must be stripped according to the insertion length (+10% due to change in length of the crimping sleeve.

3. Cleaning
The ends of the wire must be cleaned thoroughly to remove all traces of dirt and oxidation before being assembled.

4. Assembly
Insert the cable into the cable lug or connector to its full insertion length. Crimp the cable lug or connector with the correct tool, taking account of the crimping direction (see figure).







Crimping pliers

for non insulated crimp cable lugs, lever translated version for better transmission of force, with **mandrel pressing**, for standard tubular cable lugs and connectors. Particularly well suited to nickel tubular cable lugs and connectors

Art. no.		mm²		kg	PU
210772		1-2,5-4 > 6-10	1 - 10	0,478	1
210774		1 > 2-6-10-16	1 - 16	0,503	1

Crimping pliers

Lever translated version for better transmission of force, with **mandrel pressing**, for standard tubular cable lugs and connectors. Particularly well suited to nickel tubular cable lugs and connectors

Art. no.		mm²		kg	PU
210830	✸	0,75 - 16	standard	0,574	1

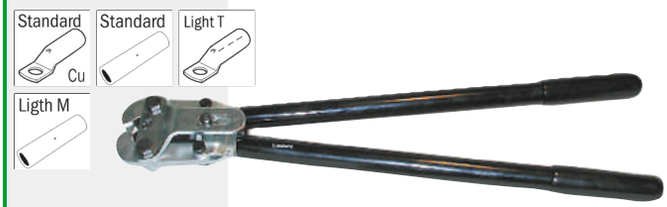
Crimping pliers

with punch and adjustable screw for different cross-sections, for standard tube terminals and connectors, **mandrel shape pressing**

Art. no.	mm²	kg	PU
210791	10 - 120	3,040	1

Crimping pliers

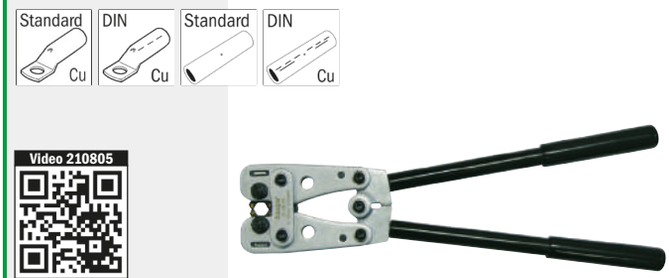
for uninsulated “Standard” tube terminals/connectors and tube terminals for fine-wire cables, with integrated rotatable profile disc, **mandrel shape pressing**, with telescopic grips, also suited for thinned, compacted conductors



Art. no.	mm²	kg	PU
210834	6 - 50	2,588	1
210836	50 - 120	5,280	1
210838	120 - 240	5,200	1
210840	185 - 400	5,200	1

Crimping pliers

with built-in rotable profile disk, **hexagon pressing**



Art. no.		mm²		kg	PU
210805	✸	6 - 50	standard	1,351	1
210805 K	✸	6 - 50	DIN	1,352	1
210850	✸	10 - 120	standard	3,970	1
210853	✸	10 - 120	DIN	4,016	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

INFO

Crimping pliers for modular plugs

Stripping and crimping in one step. The following distinctions can be made between Western plugs:

4pole plug for telephone, power supply
6pole plug for fax and telephone connection
8pole plug for ISDN and PC connections

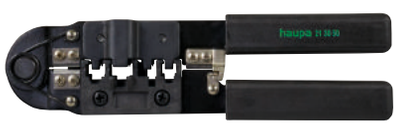
Crimping pliers for modular plugs

for unshielded modular plugs, inexpensive, lightweight tool for the casual usage

Art. no.	crimp	kg	PU
210867	RJ10 4(4), RJ14	0,218	1
210865	RJ11 6(4), RJ12 6(4)	0,220	1
210869	RJ45	0,233	1

Crimping pliers for modular plugs

for unshielded modular plugs, with cable cutter and stripper, light construction (6p, 8p, 6DEC, 4p)



Art. no.	crimp	kg	PU
213050	RJ11 6(4), RJ12 6(4), RJ45, RJ10 4(4), RJ14	0,300	1

Crimping pliers for modular plugs

for unshielded modular plugs, with cable cutter and stripper. Exactly crimp process through parallel crimping, even crimping quality by means of safety catch

Art. no.	crimp	kg	PU
210857	RJ11, RJ12 6(4), RJ45	0,471	1

Crimping pliers for modular plugs

for unshielded modular plugs 4-,6- and 8pole plug, 6DEC, heavy construction, with linear stroke and locking device, with cable cutter and stripper. Exactly crimp process through parallel crimping, even crimping quality by means of safety catch

Video 210871

Art. no.	crimp	kg	PU
210871	RJ11 6(4), RJ12 6(4), RJ45, RJ10 4(4), RJ14	0,520	1

Crimping pliers for modular plugs

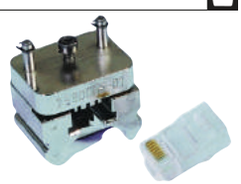
Semi-professional crimping pliers for shielded and unshielded Western plugs, with replaceable crimping dies, easy to use, light on the arms due to optimum leverage, optimum crimping, pliers body made of hardened quality steel, quick and simple replacement of crimping dies, adjustable crimping pressure and depth, application area for small and medium series, 50.000 working processes guaranteed, without dies

Hirose

Art. no.	kg	PU
213000	0,420	1

Dies

Hirose



Art. no.	crimp	kg	PU
213002	RJ10 4(4)	0,082	1
213004	RJ11 6(4), RJ12 6(4)	0,081	1
213006	6DEC	0,080	1
213008	RJ45	0,076	1
213010	RJ50	0,074	1
213012	8pole, shielded	0,076	1
213014	10pole plug, shielded	0,071	1

PDF

213000

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Crimping pliers for modular plugs

Professional crimping pliers for screened and unscreened Western plugs, with replaceable crimping dies, easy to use, light on the arms due to optimum leverage, optimum crimping, pliers body made of hardened quality steel, quick and simple replacement of crimping dies, adjustable crimping pressure and depth, application area for medium to large series, 50.000 working processes guaranteed, without dies

Art. no.	kg	PU
213020	0,474	1

Network range

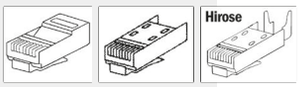
Case with insert. With tools for cable stripping, cutting, crimping and applying to strips, sockets or fields.

Content:
- 1 crimping pliers for Western plugs (213050)
- 1 wire stripper for UTP/STP data cable (200068)
- 1 Sensor input tool LSA for UTP and STP cable (300322)

Art. no.	kg	PU
300033	0,700	1

Dies

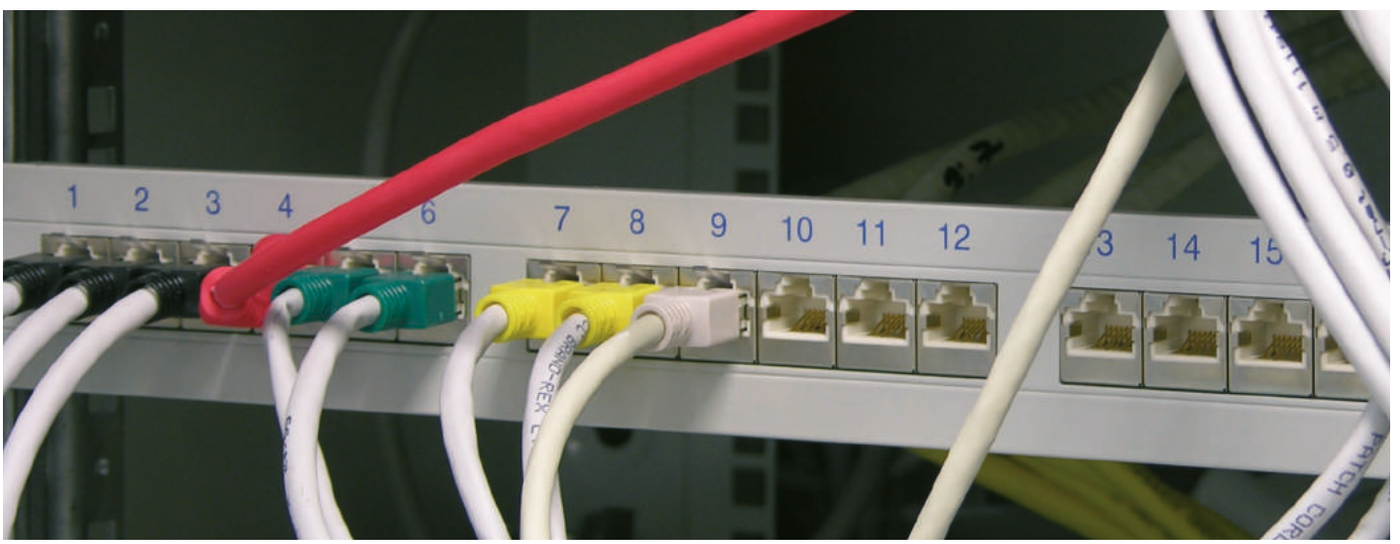
for crimping pliers 213020



Art. no.	crimp	kg	PU
213022	8pole, shielded	0,103	1
213024	10pole, shielded	0,102	1
213026	RJ10 4(4)	0,096	1
213028	RJ11 6(4), RJ12 6(4)	0,093	1
213030	6DEC	0,091	1
213032	RJ45	0,106	1
213034	RJ50	0,102	1
213036	8pole, CAT 5	0,106	1
213038	6pole, shielded	0,106	1
213040	8pole, shielded	0,113	1
213042	Ø 3,7 mm	0,030	1
213044	Ø 4,5 mm	0,030	1
213046	Ø 5,2 mm	0,030	1
213048	Ø 6,0 mm	0,030	1

PDF 213000

PDF 213020



PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Multi-functional pliers

haupa®
... convincing solutions

INFO

Crimp stars for open and closed tool frames

Crimping pliers HUPstar from HAUPA
When it comes to high-end crimping technology for professional, industrial users, with the HUPstar HAUPA has succeeded in introducing a range which uses 3 different frame types to handle all common connection pressings simply by quickly and reliably replace the relevant star. Thus making it the ideal complete tool for your tool case and in the workshop.

7 versions of HUPstar are already permanent components of the range:

1. **End sleeves**
   Insulated crimp-style cable lugs
   Ring cable lugs (DIN 46234 / DIN 46341)

2. **End sleeves 0.14 – 16 mm²**
   Open brass cable lugs

3. **Coaxial:**

4. **Photovoltaics / Solar**

5. **Fibre Optic Connector**

6. **Twisted contacts, square**

7. **Automotive contacts**

The star can be changed in just 30 seconds!
The colour code on the stars enables fast and correct assignment.
The extremely precise parallel feed and the eroded precision crimp profile mean that this product has been very well received by the industry. Not just thanks to the high quality processing of the crimp star which is, thanks to the surface properties for around 80,000 precision crimps.
After all a precise and safe normed crimp is the guarantee for complication-free, high quality and long-lasting connections.

Ergonomically, the HUPstar can, thanks to the short construction of the handles and the rather small opening angle, also be operated quickly, safely and gentle to joints even with small hands.

Due to the innovative manufacturing procedure, individual stars, designed for industrial customers, can also be made without additional costs.

Tool frame „HUPstar" – open

Tool frame without star crimp, open design specifically for connectors

Art. no.	TL	kg	PU
213078	230	0,510	1

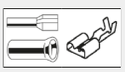
Crimping pliers „HUPstar"

Pressing star 213086/E:
End sleeves: 0,5 / 0,75 / 1,5 / 2,5 / 4 / 6 / 10
Insulated crimp cable lugs:
0.1-0.25 / 0.5-1 / 1.5 / 2.5 / 4 / 6
Non-insulated crimp cable lugs:
0.25 / 0.5 / 1 / 1.5 / 2.5 / 4 / 6 / 10

Art. no.	TL	kg	PU
213086	230	0,650	1

Crimping pliers „HUPstar"

Pressing star 213080/E:
End sleeves:
0.14-0.25 / 0.25-0.5 / 1 / 1.5 / 2.5 / 4 / 6 / 10 / 16
Open non-insulated brass cable lugs:
0.14-0.25 / 0.25-0.5 / 1 / 1.5 / 2.5 / 2.54 / 6



Art. no.	TL	kg	PU
213080	230	0,650	1

213086/E		
		DIN46234 DIN46341
0,5	0,1-0,25	0,25
0,75	0,5-1,0	0,5
1,5	1,5	1,0
2,5	2,5	1,5
4,0	4,0	2,5
6,0	6,0	4,0
10,0	-	6,0
-	-	10,0

213080/E	
0,14-0,25	0,14-0,25
0,25-0,5	0,25-0,5
0,75	0,75
1,0	1,0
1,5	1,5
2,5	2,5
4,0	2,54
6,0	6,0
10,0	-
16,0	-

213082/E
1,07
1,2
1,46
1,69
1,72
1,75
2,54
3,25
6,48
7,0
8,1
8,23
9,73
10,9

213098/E
Fibre Optic
1,69
2,5
3,0
3,25
3,65
4,2
4,52
4,95
5,0
6,5
10,9

213102/E
0,1
0,14
0,25
0,34
0,5
1,0
1,5
2,5
4,0
6,0
10
Locator for
ø 1,6
ø 2,5
ø 4,0

213084/E - Photovoltaic			
Amphenol	Multi Contact	Multi Contact	Tyco
2,5	2,5	2,5	1,5
2,5	2,5	2,5	1,5
6,0	6,0	6,0	4,6

Video HUPstar

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Crimping pliers HUPstar Coax

Pressing star 213082/E
Coax:
Hexagon pressure bonding, BNC, TNC, SNB, SNC, SMS, SMA, MCX, 1.07 to 10.9 mm

Art. no.	TL	kg	PU
213082	230	0,650	1

Crimping pliers HUPstar Photovoltaic

Pressing star 213084/E
Photovoltaics:
Amphenol Helios H4: 2.5 / 2.5 / 6
Multi-Contact MC3: 2.5 / 2.5 / 6
Multi-Contact MC4: 2.5 / 2.5 / 6
Tyco Solarlok: 1.5 / 1.5 / 4.6

Art. no.	TL	kg	PU
213084	230	0,650	1

HUPstar „Fibre Optic Connector"

Fiber Optic Connector
1.69; 2.5; 3; 3.25; 3.65; 4.2; 4.52; 4.95; 5; 6.5; 10.9

Art. no.	TL	kg	PU
213098	230	0,650	1

HUPstar „Twisted contacts"

Twisted contacts, square
0,1; 0,14; 0,25; 0,34; 0,5 1; 1,5; 2,5; 4; 6; 10
Locator for Ø 1,6; 2,5; 4

Art. no.	TL	kg	PU
213102	230	0,650	1

HUPstar „Automotive"

Automotive contacts
Hirose DF1B-2428SC UL1007 / Litz wire
Hirose DF1B-2428PC UL1007 / Litz wire 0,08; 0,14; 0,25
Hirose DF1B-30SC UL1007 / Litz wire
Hirose DF1B-30PC UL1007 / Litz wire 0,05
Hirose DF1B-2022SC, Hirose DF1B-2022PC 0,34; 0,50

Art. no.	TL	kg	PU
213100	230	0,650	1

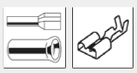
HUPstar

End sleeves 0.5 – 10 mm²
Insulated cable lugs 0.25 – 6 mm²
Ring cable lugs (DIN 46234 / DIN 46341) 0.75 – 10 mm²

Art. no.		kg	PU
213086/E	dies	0,160	1

HUPstar

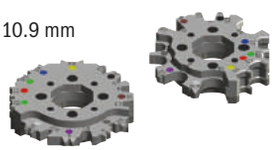
End sleeves 0.25 - 16 mm²
Socket sleeves 0,25 – 6 mm



Art. no.		kg	PU
213080/E	dies	0,160	1

HUPstar „Coaxial"

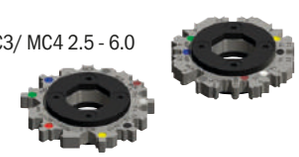
Coaxial
BNC, TNC, SNB, SNC, SMS, SMA, MCX, 1.07 – 10.9 mm



Art. no.		kg	PU
213082/E	dies	0,160	1

HUPstar „Photovoltaic"

for art. 213077
Photovoltaics / Solar
Amphenol Helios H4 2.5 - 6, multi-contact MC3/ MC4 2.5 - 6.0
Tyco Solarlok, 1.5 – 6 mm²



Art. no.		mm²	kg	PU
213084/E	dies	1,5 - 6	0,160	1

HUPstar „Fibre Optic Connector"

Fibre Optic Connector
1.62; 2.5; 3; 3.25; 3.65; 4.2; 4.52; 4.95; 5; 6.5; 10.9

Art. no.		kg	PU
213098/E	dies	0,170	1

HUPstar „Twisted contacts, square"

Twisted contacts, square
0.1; 0.14; 0.25; 0.34; 0.5 1; 1.5; 2.5; 4; 6; 10
Locator for Ø 1.6; 2.5; 4

Art. no.		kg	PU
213102/E	dies	0,170	1

haupa®
... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Multi-function pliers

Crimping pliers Combi-Crimp

crimping pliers for insulated terminals 0,5 - 2,5 mm² and end sleeves 0,5 - 6 mm²

Art. no.	mm²	kg	PU
210784 ✷	0,5 - 6,0	0,560	1

Crimpset X-Crimp including nylon bag

Crimping pliers used to quickly change HAUPA precision pressing inserts. Supplied in robust nylon bag (article 220260).

- Reliable crimping results just like with fixed pressing inserts
- Forced lock ensures standardised pressing actions
- Flat construction enables you to work precisely even when space is at a premium

Content:
Art. 211690
Art. 210763/E
Art. 210764/E
Art. 210765/E
Art. 210761/E

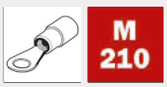
Video 211692

Art. no.		kg	PU
211692 ✷	set	0,900	1
220260	bag	0,060	1

Crimping pliers X-Crimp

Crimping pliers used to quickly change HAUPA precision pressing inserts, including dies article 210761/E.

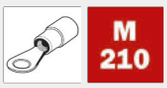
- Reliable crimping results just like with fixed pressing inserts
- Forced lock ensures standardised pressing actions
- Flat construction enables you to work precisely even when space is at a premium



Art. no.	kg	PU
211690	0,566	1

Crimping dies for insulated crimp cable lugs

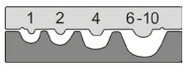
for insulated crimp cable lugs, **oval pressing**



Art. no.	mm²	kg	PU
210761/E	0,5 - 6,0	0,053	1

Crimping dies for uninsulated terminals

for uninsulated terminals, **mandrel shape pressing**



Art. no.	mm²	kg	PU
210764/E	1 - 10	0,111	1

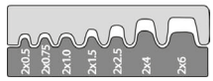
Crimping dies for end sleeves

for end sleeves, **trapezoid pressing**

Art. no.	mm²	kg	PU
210763/E	0,5 - 4	0,072	1
210842/E	1 - 10	0,054	1
210765/E	1 - 16	0,111	1
211672/E	10 - 25	0,050	1

Crimping dies for TWIN end sleeves

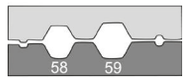
for TWIN-end sleeves, **trapezoid pressing**



Art. no.	mm²	kg	PU
211676/E	0,5 - 6	0,050	1

Crimping dies for coaxial cable

for coaxial cable, **hexagon pressing**



Art. no.	crimp	kg	PU
210767/E	RG 58-59-62-6	0,050	1

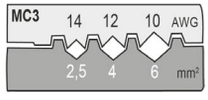
Crimping dies for flat connectors

for flat connectors, uninsulated open brass cable lugs, **roll pressing**

Art. no.	mm²	kg	PU
210762/E	0,5 - 6	0,111	1

Crimping dies for Photovoltaik

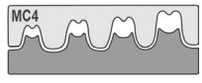
for „multi-contact“ contacts



Art. no.	mm²		kg	PU
211657/E	2,5 - 6	MC3	0,050	1

Crimping dies for Photovoltaik MC4

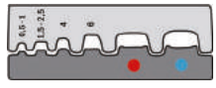
for „multi-contact“ contacts



Art. no.	mm²		kg	PU
211659/E	2,5 - 6	MC4	0,050	1

Crimping dies for cable lugs / end sleeves

for end sleeves 0,5 - 6 mm² / cable lugs 0,5 - 2,5 mm²



Art. no.	mm²	kg	PU
210784/E	0,5 - 6,0	0,56	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

Multi-function pliers

Crimpset MULTI

Innovative crimping tool with rapid change system for the expert - tools for almost all crimping applications

Contents:
- crimping plier MULTI

Dies for:
- (211998) insulated terminals 0.5 - 6 mm²
- (211963) insulated and uninsulated end sleeves 0.5 - 16 mm²
- (211999) uninsulated terminals 0.5 - 10 mm²
- (210000) dies for BNC and TNC coaxial connectors RG 58-59-62-71

Product specifications
- fast change system • easy changing of crimp dies by means of thumb screws
- easy interlock • Nickel plated surface
- no big strength required
- with ratchet and built-in safety release, garantees proper electrical connection
- adjustable crimp pressure
- Pliers body from 3 mm, specially compensated, hardened sheet steel
- ergonomic 2 component handle with soft synthetic material insert

Video 211960

Art. no.	width	height	depth	kg	PU
211960	260	40	200	1,119	1

Crimping pliers „Multi“

Long version, also suitable for two-handed operation, no dies

Art. no.	kg	PU
211962	0,582	1

More possibilities of dies - please, order separately

211963	End sleeves 0,5 - 16 mm²	1
211964	End sleeves 16 - 35 mm²	1
211965	Sockets 0.5 - 2.5 mm²	1
211990	Coax, Thinnet, Mini-UHF, BNC/TNC RG 58, RG 174	1
211991	Coax, BNC/TNC RG 174, RG 179, small coaxial connectors	1
211992	SMA, SMB, Mini-59, Mini-UHF, BNC/TNC RG 6, RG 6 Quad	1
211993	Coax, CATV “F” Typ, BNC/TNC RG 6, RG 6 Quad	1
211994	N-Typ RG 8, RG 11	1
211995	Coax, N-Typ RG 8, RG 11, RG 213, RG 216	1
211996	Fibre Optic, SMA Typ	1
211997	Fibre Optic, SMA, SMB, SFR, ST, SC Typ	1
211968	RJ 45 - 8P8K, Steward Connectors, 22-24 AWG	1
211969	RJ 11, RJ 12 - 6P6K, Steward Connectors, 22-24 AWG	1
211970	Telefon 4P4K, AMP+Steward Connectors, 22-24 AWG	1
211971	RJ 45 - 8P8K, AMP, 22-24 AWG	1
211972	RJ 11, RJ 12 - 6P6C, AMP, 22-24 AWG	1
211973	RJ 11, DEC MMJ - 6P6K, AMP, 22-24 AWG	1
211974	RJ 50 - 10P10K, AMP, 22-24 AWG	1
211980	RJ 45 - 8P8K, short, Steward Connectors, STP 22-24 AWG	1
211981	RJ 45 - 8P8K, long, Hirose, STP 22-24 AWG	1
211982	RJ 45 - 8P8K, short, Hirose, STP 22-24 AWG	1
211985	RJ 45 - 8P8K, AMP, Molex, for Ø 6.0 mm, STP 22-24 AWG	1
211998	insulated terminals 0,5-6,0 mm²	1
211999	uninsulated terminals 0,5-6,0 mm²	1
212000	Coax RG58-59-62-71	1
212007	MC3	1
212008	MC4	1

Elektric crimper

HAUPA electric crimper

The Electric crimper is an ideal device to securely crimp wires and cable terminals such as:

- insulated cable lugs to 6 mm²/10 AWG
- Tubular cable lugs, solderl. terminals to 10 mm²/8 AWG
- Flat tab terminals to 6 mm²/10 AWG
- Wire end sleeves to 50 mm²/1 AWG

The Electric Crimper can be operated in one of two modes:

Mode 1: controls the entire crimp process by pressing down the pedal switch.

Mode 2: allows the user to fix the terminal on the cable by actuating the foot switch once. To finish the crimping process, he presses down the foot switch once again. Mode 2 is used for more complex terminals.
The onset of compression force can be adjusted for each new terminal to satisfy crimp integrity. That way, damage to dies and terminals can be minimised. Simply press a button to select the opening for each die. Since some female terminals are more difficult to crimp, a moveable locator can be utilised to ensure proper crimping. Various standard dies are available, as well as dies designed to customer specifications.
Technical Data Art. No. 217050: Dimensions (w x h x d): 140 x 220 x 320 mm
Weight: 10 kg / Weight of foot pedal: 1.2 kg / Max. press capacity: 10 kN
Pressing time: 1 s / Counter: -digit LCD display /
Mains connection: 30 V/50 Hz (120 V/60 Hz) / Power consumption: 160 VA

Video 217050

Art. no.	mm²	kg	PU
217050	6 - 50	10,000	1

Dies for elektro crimper 217050

217052	Rolled contacts 0.14-1/1,5/2.5/4 mm²	1
217056	Rolled contacts 0.1-1.5 mm²	1
217058	Rolled crimp contacts 0.1-1.5 mm²	1
217060	Rolled crimp contacts 0.5-6 mm²	1
217062	End sleeves 0.25-6 mm²	1
217064	Insolated terminals 0.5-6 mm² symetric	1
217066	Insolated terminals 0.5-6 mm² asymetric	1
217068	Tube terminals 0.34-2.5 mm²	1
217070	Tube terminals “super flex” 4-10 mm²	1
217072	Tube terminals “standard” 4-10 mm²	1
217074	Crimping terminals 4-10 mm²	1
217076	Crimping terminals 0.5-10 mm²	1
217078	Protection cover to 21 70 56, 21 70 60	1
217080	Protection cover to 21 70 70, 21 70 72, 21 70 74, 21 70 76	1
217082	Protection cover to 21 70 68	1
217084	Protection cover to 21 70 62	1
217086	Protection cover to 21 70 64, 21 70 66	1
217088	Locator to 21 70 60, socket sleeves 6.3 mm	1
217090	Locator to 21 70 56, 21 70 58, 21 70 60, socket sleeves 4.8 mm	1
217092	Locator to 21 70 56, socket sleeves (female) 2.8 x 5 mm	1
217094	Locator to 21 70 56, socket sleeves (female) 2.8 x 6 mm	1
217096	Locator to 21 70 60, socket (male) 6.3 mm	1
217098	Locator to 21 70 60, socket (male) 6.3 mm HN	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

INFO

Mechanical crimping pliers for tubular cable lugs

Mechanical crimping tool characterised by its compact design. It is possible to make crimps even in confined working conditions, where conventional large tools cannot be used.

The mature construction of the drive has proven its reliability many times over in practice. In this manual crimping tool very little wear can be seen even after many years of use, this is decisive for the reliable repetition of the required crimping depth. After all, today's highly stressed crimped connections only comply with safety regulations when the required electrical and mechanical values are achieved over long periods.

Another safety aspect is that the crimping tool can only be detached from the crimped lug when the required crimping depth has been reached. By turning the wheel on the handle in an anti-clockwise direction the crimping inset can be set in position on the lug. Only then does the actual crimping process begin with the one-hand lever.

The quality of the crimped connection is dependent on the choice of cable lug, the crimp inset and the correct choice of cable cross section.

Crimping pliers

one hand precise tool, with ratchet and built-in-force-blocking device, crimping pressure 20 kN, interchangeable dies, easy to remove from the crimped lug by opening the crimping head, special small design for working in small areas

Product-specific features
- outstanding manageability
- compact construction
- precision drive
- fast forward feed
- can be used anywhere

Art. no.	mm²	kg	PU
215000	6 - 50	1,531	1

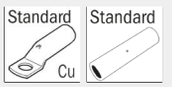
Metal box

for storing of crimping pliers and dies

Art. no.	kg	PU
215002	0,934	1

Crimping dies

for standard cable lugs and compacted cables, suitable for compacted cables, **WM pressing**



Art. no.	mm²	kg	PU
215004	10	0,041	1
215006	16	0,040	1
215008	25	0,037	1
215010	35	0,036	1
215012	50	0,033	1

Crimping dies

noninsulated crimping terminals, **mandrel shape pressing**, DIN 46234

Art. no.	mm²	kg	PU
215014	6	0,018	1
215016	10	0,190	1
215018	16	0,190	1
215020	25	0,190	1
215022	35	0,020	1
215024	6 - 35	0,020	1

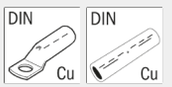
Crimping dies

noninsulated crimping terminals, **mandrel shape pressing**, DIN 46234

Art. no.	mm²	kg	PU
215026	10	0,039	1
215028	16	0,039	1

Crimping dies

for crimping terminals DIN, **hexagon pressing**



Art. no.	Cu	Al	KZ	kg	PU
215030	6	-	5	0,100	1
215032	10	-	6	0,100	1
215034	16	10	8	0,100	1
215036	25 - 25	16	10	0,150	1
215038	35 - 35	25	12	0,150	1
215040	50 - 50	35	14	0,150	1

Crimping dies

for end sleeves, **trapezoid pressing**

Art. no.	mm²	kg	PU
215042	6	0,150	1
215044	10	0,150	1
215046	16	0,150	1
215048	25	0,200	1
215050	35	0,200	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

INFO

Mechanical crimping pliers for tubular cable lugs

These mechanical manual crimping pliers are modern, high performance tools. They can be used anywhere in the wide range of solder-free connection technology thanks to a comprehensive range of crimping dies.

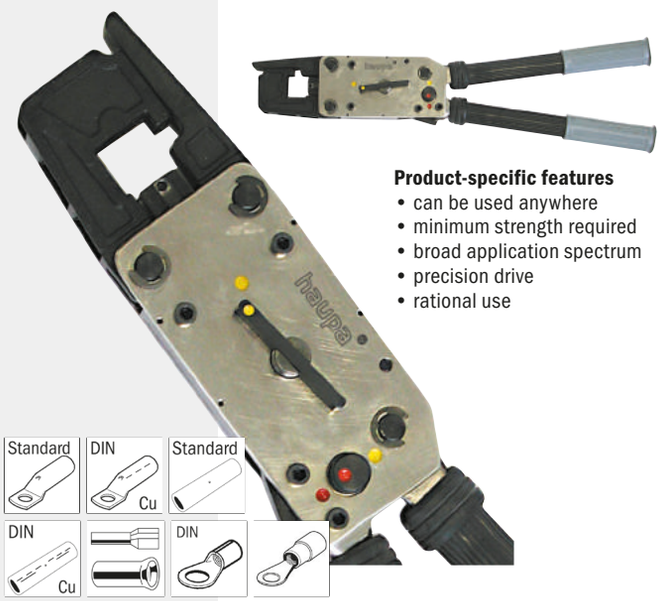
Crimping stroke and pressure (to approx. 5.5 t) are created by several hand lever movements. The manual force required is low due to the high efficiency of the system. The press and the connecting parts can only be separated from one another when the crimp is complete. This drive system ensures that the required crimping depth is always achieved. The hinged cover guarantees comfortable handling of the press, even in awkward-to-reach positions such as in control cabinets.

By turning the fast forward feed lever to place the crimp inset on the cable lug, the number of manual lever movements is considerably reduced and rational work is guaranteed.

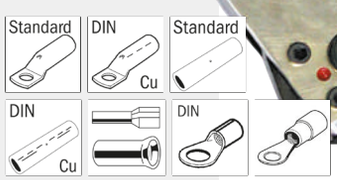
Only then does the actual crimping process begin with the hand lever. When the required crimping depth has been reached the press releases pressure spontaneously and the hinged cover can be opened to remove the connector. The crimping process can be interrupted if an error has been made in the choice of the inset, cable lug or cable. To do this swing the hand lever completely out, depress the ratchet and turn the forward feed lever backwards.

Crimpiang pliers

precise tool with ratchet and built-in-force-locking device, crimping pressure 50 kN, interchangeable dies, easy to remove from the crimped lug by opening the crimping head



Product-specific features
- can be used anywhere
- minimum strength required
- broad application spectrum
- precision drive
- rational use



Art. no.	mm²	kg	PU
215100	6 - 120	2,100	1

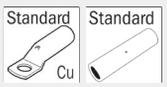
Metal box

for storing of crimping pliers and dies

Art. no.	kg	PU
215102	1,700	1

Crimping dies

for standard cable lugs and compacted cables, **WM pressing**



Art. no.	mm²	kg	PU
215104	10 - 70	0,130	1
215106	16 - 35	0,132	1
215108	25 - 50	0,126	1
215110	95	0,138	1
215112	120	0,136	1

Crimping dies

for uninsulated crimping terminals, for up to four diameter, **mandrel shape pressing**, DIN 46234 + DIN 46341

Art. no.	mm²	kg	PU
215114	6 - 70	0,080	1
215116	10 - 35	0,060	1
215118	16 - 50	0,055	1
215120	6 - 50	0,150	1
215122	70	0,150	1

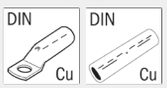
Crimping dies

for insulated crimping terminals, **oval pressing**

Art. no.	mm²	kg	PU
215124	10	0,147	1
215126	16	0,152	1
215128	25	0,153	1
215130	35	0,154	1

Crimping dies

for crimping terminals DIN, **hexagonal pressing**



Art. no.	Cu	Al	KZ	kg	PU
215142	-	10 - 50	6 - 16	0,128	1
215144	16 - 35	16 - 25	8 - 12	0,130	1
215146	25 - 50	25 - 35	10 - 14	0,130	1
215148	95	70	18	0,130	1
215150	120	-	20	0,130	1

Crimping dies

for rounding of square copper and aluminium

Art. no.	mm²	kg	PU
215152	25 - 35	0,155	1
215154	35 - 70	0,150	1
215156	95	0,150	1

Crimping dies

for end sleeves, **trapezoid pressing**

Art. no.	mm²	kg	PU
215164	25	0,059	1
215166	35	0,059	1
215168	50	0,059	1
215170	70	0,059	1
215172	95	0,059	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

INFO

Mechanical crimping pliers for tubular cable lugs

In this hand press the crimping stroke is produced by a number of hand lever movements. The transport ratchet starts the eccentric wheel moving and con-rods convert the eccentric turning motion into a straight-line stroke of the guide that runs in grooves.

The bottom crimping inset is placed in the guide. It sits on an adjustment plate that is screwed on to the guide. This plate compensates for all the tolerances resulting from the manufacturing process or wear and tear.

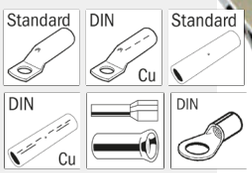
By turning the wheel on the handle in an anti-clockwise direction the crimping inset can be transported directly to the installation on the connecting part. Only then does the actual crimping process begin with the hand lever. When the required crimping depth has been reached the press releases the pressure spontaneously and the hinged cover can be opened to remove the connector.

The crimping process can be interrupted if an error has been made in the classification of the inset, cable lug or cable. To do this swing the hand lever completely out, depress the ratchet and turn the forward feed lever backwards. The quality of the crimped connection is dependent on the choice of cable lug, the crimp inset and the correct choice of cable cross section.

Crimping pliers

precise tool with ratchet and built-in-force-locking device, interchangeable dies, easy to remove from the crimped lug by opening the crimping head

Product-specific features
- can be used anywhere
- minimum strength required
- broad application spectrum
- precision drive
- rational use



Art. no.	mm²	kg	PU
215200	10 - 240	4,500	1

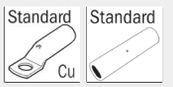
Metal box

for storing of crimping pliers and dies

Art. no.	kg	PU
215202	3,700	1

Crimping dies

for standard cable lugs and compacted cables, **WM pressing**



Art. no.	mm²	kg	PU
215204	10 - 25	0,221	1
215206	16 - 35	0,320	1
215208	50	0,349	1
215210	70	0,331	1
215212	95	0,330	1
215201	120	2,486	1
215203	150	0,308	1
215205	185	0,317	1
215207	240	0,300	1

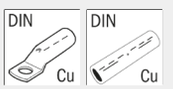
Crimping dies

for uninsulated crimping terminals, **mandrel shape pressing**, DIN 46234 + DIN 46341

Art. no.	mm²	kg	PU
215214	10 - 70	0,178	1
215216	95 - 150	0,169	1
215218	10 - 70	0,163	1
215220	16 - 35	0,170	1
215222	25 - 50	0,163	1
215224	95	0,161	1
215226	120	0,152	1
215228	150	0,144	1

Crimping dies

for crimping terminals DIN, **hexagon pressing**



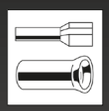
Art. no.	Cu	Al	KZ	kg	PU
215230	10	-	6	0,350	1
215232	16	-	8	0,330	1
215234	25	16	10	0,328	1
215236	35	25	12	0,330	1
215238	50	35	14	0,326	1
215240	70	50	16	0,326	1
215242	95	70	18	0,321	1
215244	120	-	20	0,300	1
215246	150	95 - 120	22	0,305	1
215248	185	150	25	0,305	1
215250	240	185	28	0,290	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

0,5
1,5
0,25
1,5
0,5
10

Pictogram cable connectors


End sleeves

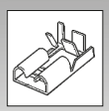
TWIN end sleeves

Insulated crimp-style cable lugs

Insulated shrink connectors

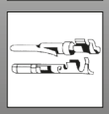
non-insulated cable lugs

Socket sleeves (female)


Socket sleeves (female) with cable stop

Coaxial connectors

for twisted contacts and connectors


for rolled contacts and connectors

for D-Sub connectors

Multi-contact M3 for Photovoltaics

Multi-contact M4 for Photovoltaics

Amphenol for Photovoltaics

Tyco-Solar for Photovoltaics

Connectors for modular connectors

Stewart connectors for modular connectors

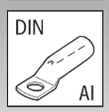
Hirose connectors for modular connectors

non-insulated cable lugs DIN 46234

non-insulated connectors DIN 46341

standard tubular terminals

DIN tubular terminals CU



DIN tubular terminals AL

standard tubular terminals, light

Nylon-insulated tubular cable terminals

standard connectors CU

DIN connectors CU

DIN connectors AL

standard connectors, light

F-type

Deep indent connectors

Four thorn pressing without inserts

Pictogram press-profiles

Technical notes for the various pressing formats for the pressing of cables using HAUPA cable lugs and connectors.

The following pressing formats are available:

Hexagonal pressing
for pressing standard CU tubular terminals and connectors, tubular terminals for switching device connections, pressing cable lugs and connectors DIN 46235/DIN 46267, Al pressing cable lugs and connectors and end sleeves

Mandrel shape pressing
for pressing of standard CU tubular terminals and connectors, tubular terminals for switching device connections, crimp-style cable lugs DIN 46234 and pin cable lugs DIN 46230, insulated crimp-style cable lugs, conduit terminals for fine-wired conductors, nickel tubular terminals and connectors

Oval pressing
for pressing of dual pressing cable lugs, C clamps, insulated tubular terminals and connectors, insulated pin cable lugs, press connectors DIN 48217, insulated cable connections

Trapezoidal pressing
for pressing of end sleeves ends and twin end sleeves

Square pressing
for pressing of end sleeves ends and twin end sleeves

Hexagonal pressing
for pressing of end sleeves

Square pressing
Multi-contact
Application area:
Photovoltaics, twisted contacts

Roll pressing
for pressing of brass cable lugs, D-Sub, MC4

WM pressing
for standard cable lugs and compacted cables

Round pressing
of sector-shaped conductors 90° and 120°

Four thorn pressing
for pressing standard tubular terminals and connectors - also on sealed conductors -
F-type tubular terminals and connectors
Light cable lugs and connectors
Tubular terminals = Switching device connections

Hydraulic crimping tools

haupa®
... convincing solutions

Battery powered crimping tools with sensor technology

- Compression force in kN: 60 - 120
- Working pressure in bar: 700
- Pressing time, battery-operated in seconds: 4 - 10
- Battery type: Li-Ion, 18 V, 2 - 4 Ah

Working area illumination

Light is green: Pressing completed in accordance with standard, motor stopped

Light is orange: Battery voltage not sufficient

Light is red: Pressing interrupted before completed

Smart Battery powered crimping tool universal „US-6M“

Sensor

Hydraulics for interchangeable pressing tools, crimping head can be rotated by 180°, with fast opening, manual return flow after perfect pressure.

- for 4 different interchangeable heads (item no. 216761, item no. 216762, item no. 216763, item no. 216764)
- Heads can be changed easily
- Can be locked using 2 extractable pins
- Battery charging time in minutes: 30
- Battery type: Li-Ion, 18 V, 2 Ah
- With the new HAUPA battery item no. 215523 and charger item no. 215527
- Pressing load kN: 60
- Working pressure in bar: 700

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 1 white LED designed to illuminate the working area.

Video 216760-1

60 kN 700 bar 180° 30 min. Li-ION 18V 2Ah SysCon Sensor Technik

Art. no.	TL	kg	PU
216760-1	315	7,200	1

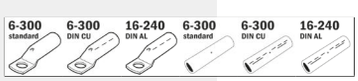
Crimping headstock „U-KO-6“

Pressing head for interchangeable pressing applications, with quick opening, without inserts.

- Head can be opened
- Opening / Hub: 17 mm
- Pressing width: slim
- Cable lugs: standard Cu 6-300 / DIN Cu 6-300 / DIN Al 16-240
- Connectors: standard Cu 6-300 / DIN Cu 6-300 / DIN Al 16-240

Corresponding inserts can be found on page 64.

300-06

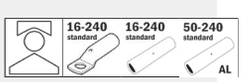


Art. no.	mm²	TL	kg	PU
216761	6 - 300	140	1,700	1

Crimping headstock „U-KDE240-6“

Pressing head with quick opening, indent v-shape pressing, no inserts required.

- Head can be opened
- Cable lugs: standard Cu 16-240
- Connectors: standard Cu 16-240



Art. no.	mm²	TL	kg	PU
216763	16 - 240	130	1,200	1

Cutting headstock „U-KS6-S50“

for copper and aluminium cable

Ø 50 Cu AL

Art. no.	Ø	TL	kg	PU
216762	50	233	2,800	1

Punching headstock „U-S-6“

without inserts, including tension rods and adapter
Advantages:

- Head can be rotated by 360°
- Flexible aluminium head

Punching capacity:
Shaped holes 138 x 138 mm (ST37 2.5 mm)
Round holes 150 mm (ST37 3 mm) / 63 mm (VA 2 mm)

Corresponding punch inserts can be found on page 82.

Art. no.	TL	kg	PU
216764	180	2,700	1

Adapter for pumps

For hydraulic pump item 216357 so the interchangeable heads for the smart universal can be used (items 216761, 216762, 216763, 216764)

- with quick-lock hydraulic connection (Cejn Series 115)

Art. no.	TL	kg	PU
216765	155	1,200	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Universal set 1

Made up of item 216760-1, item 216763 and item 216762.

Technical data and scope of delivery see item 216760-1, item 216763 and item 216762.

Ø 50 | Cu AL | 10-240 standard | 10-240 standard | DIN 46234 | 60 kN | 700 bar | 180° | 30 min. | Li-ION 18V 2Ah | SysCon

Art. no.		kg	PU
216766	Set	11,200	1

Universal set 2

Made up of item 216760-1, item 216761 and item 216762.

Technical data and scope of delivery see item 216760-1, item 216761 and item 216762.

300-06

Ø 50 | Cu AL | 6-300 standard | 6-300 DIN CU | 16-240 DIN AL | 6-300 standard | 6-300 DIN CU | 16-240 DIN AL | 60 kN | 700 bar | 180° | 30 min. | Li-ION 18V 2Ah | SysCon

Art. no.		kg	PU
216767	Set	11,700	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Hydraulic hand pliers „HHs-6“

Crimping head can be rotated by 180°, manual return after completed pressing, light and compact construction in black plastic case, without dies.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Head can be opened
- Pressing width: slim
- Cable lugs: standard Cu 10-240
- DIN Cu 10-185 • DIN Al 16-150
- Connectors: standard Cu 10-240
- DIN Cu 10-185 • DIN Al 16-150

185-H6

10-240 standard | 10-185 DIN CU | 16-150 DIN AL | 10-240 standard | 10-185 DIN CU | 16-150 DIN AL

60 kN | 700 bar | 180°

Video 215765

Art. no.	mm²	dimension	kg	PU
215765	10 - 240	370 x 140 x 75 mm	4,600	1

Battery powered crimping tool „SHs-6“

for interchangeable interchangeable dies, Crimping head can be rotated by 180°, manual return flow after perfect pressure.
Extent of supply: 1 crimping tool, 1 charger, 1 battery, 1 strap, in light plastic box, without crimping headstock.

- Pressing force in kN: 60 kN
- Working pressure in bar: 700
- Head can be opened
- Pressing width: slim
- Cable lugs: standard Cu 10-240 • DIN Cu 10-185 • DIN Al 16-150
- Connectors: standard Cu 10-240 • DIN Cu 10-185 • DIN Al 16-150
- Pressing time, battery-operated in seconds: 5
- Battery charging time in minutes: 30
- Battery type: Li-Ion 18 V, 2 Ah
- With the new HAUPA battery item no. 215523 and charger item no. 215527
- Weight in kg without batterie: 2,1
- Weight of set in kg with batterie: 7,9

185-H6

10-240 standard | 10-185 DIN CU | 16-150 DIN AL | 10-240 standard | 10-185 DIN CU | 16-150 DIN AL

60 kN | 700 bar | 180° | 30 min. | Li-ION 18V 2Ah | SysCon

Art. no.	mm²	dimension	kg	PU
215770-1	10 - 185	398 x 75 mm	7,900	1

Battery powered crimping tool „SHs-6M“ Sensor

Technical data and scope of delivery, see 215770-1.

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 1 white LED designed to illuminate the working area.

185-H6

10-240 standard | 10-185 DIN CU | 16-150 DIN AL | 10-240 standard | 10-185 DIN CU | 16-150 DIN AL

60 kN | 700 bar | 180° | 30 min. | Li-ION 18V 2Ah | SysCon | Sensor

Video 215770/M

Art. no.	mm²	dimension	kg	PU
215770/M-1	10 - 185	398 x 75 mm	7,900	1

Crimping dies standard

standard copper tube terminals and connectors, hexagonal pressing

Standard Cu | Standard | 185-H6

Art. no.	mm²	PW	kg	PU
215641	10/16	5	0,157	1
215642	25/35	5	0,155	1
215643	50/70	5	0,150	1
215644	95/120	5	0,145	1
215645	150	5	0,159	1
215646	185	5	0,156	1
215648	240	5	0,156	1

Crimping dies DIN

DIN Cu/Al tube terminals and connectors, hexagonal pressing

DIN Cu | DIN Cu | DIN Al | DIN Al | 185-H6

Art. no.	mm²	PW	Id.	kg	PU
215650	10/16	5	6/8	0,155	1
215651	25/35	5	10/12	0,151	1
215652	50/70	5	14/16	0,149	1
215653	95/120	5	18/20	0,129	1
215654	150	5	22	0,145	1
215655	185	5	25	0,147	1

Battery powered crimping tool „SH-6“

Hydraulic for interchangeable dies, crimping head can be rotated by 180°, with fast opening, manual return flow after perfect pressure.
Extent of supply: 1 crimping tool, 1 charger, 1 battery, 1 strap, in SysCon stacking box without dies.

- Pressing force in kN: 60 kN
- Working pressure in bar: 700
- Head can be opened yes
- Opening/ Hub: 17 mm
- Pressing width: slim
- Cable lugs: standard Cu 10-240 • DIN Cu 10-240 • DIN Al 16-185
- Connectors: Cu 10-240 • DIN Cu 10-240 • DIN Al 16-185
- Pressing time, battery-operated in seconds: ca. 5
- Battery charging time in minutes: 30
- Battery type: Li-Ion, 18 V, 2 Ah
- With the new HAUPA battery item no. 215523 and charger item no. 215527
- Weight in kg without batterie: 2,4
- Weight of set in kg with batterie: 7,9

240-H6

10-240 standard | 10-240 DIN CU | 16-185 DIN AL | 10-240 standard | 10-240 DIN CU | 16-185 DIN AL

60 kN | 700 bar | 180° | 30 min. | Li-ION 18V 2Ah | SysCon

Art. no.	mm²	dimension	kg	PU
215881-1	10 - 240	415 x 75 mm	7,900	1

Battery powered crimping tool „SH-6M“ Sensor

Technical data and scope of delivery, see 215881-1.

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 1 white LED designed to illuminate the working area.

240-H6

10-240 standard | 10-240 DIN CU | 16-185 DIN AL | 10-240 standard | 10-240 DIN CU | 16-185 DIN AL

60 kN | 700 bar | 180° | 30 min. | Li-ION 18V 2Ah | SysCon | Sensor technik

Video 215881/M

Art. no.	mm²	dimension	kg	PU
215881/M-1	10 - 240	415 x 75 mm	7,900	1

Hydraulic hand pliers „HH-6“

Crimping head can be rotated by 180°, manual return after completed pressing, light and compact construction, in SysCon stacking box, without dies.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Opening / Hub: 17 mm
- Head can be opened
- Pressing width: slim
- Cable lugs: standard Cu 10-240 • DIN Cu 10-240 • DIN Al 16-185
- Connectors: standard Cu 10-240 • DIN Cu 10-240 • DIN Al 16-185
- Dual-piston pump
- Weight in kg: 3,0
- Weight of set in kg: 4,5

240-H6

10-240 DIN CU | 10-240 DIN CU | 16-185 DIN AL | 10-240 standard | 10-240 DIN CU | 16-185 DIN AL

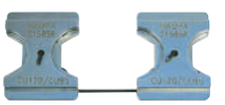
60 kN | 700 bar | 180°

Art. no.	mm²	dimension	kg	PU
215800	10 - 240	400 x 150 x 65 mm	4,500	1

Crimping dies

standard copper tube terminals and connectors, **hexagonal pressing**

Standard Cu | Standard | 240-H6

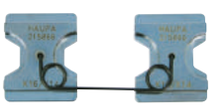


Art. no.	mm²	kg	PU
215852	10 - 16	0,157	1
215854	25 - 35	0,155	1
215856	50 - 70	0,150	1
215858	95 - 120	0,145	1
215859	150	0,159	1
215860	185	0,156	1
215861	240	0,156	1

Crimping dies DIN Cu + Al

DIN Cu/Al tube terminals and connectors, **hexagonal pressing**

DIN Cu | DIN Cu | DIN Al | DIN Al | 240-H6



Art. no.	mm²	Al	Id.	kg	PU
215862	10 - 16	-	6 - 8	0,155	1
215864	25 - 35	16 - 25	10 - 12	0,151	1
215866	50 - 70	35 - 50	14 - 16	0,149	1
215868	95 - 120	70	18 - 20	0,129	1
215869	150	95 - 120	22	0,145	1
215870	185	150	25	0,147	1
215872	240	185	28	0,114	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Battery powered crimping tool „S0-6“

Hydraulic for interchangeable dies, crimping head can be rotated by 180°, Head can be opened, manual return flow after perfect pressure.
Extent of supply: 1 crimping tool, 1 charger, 1 battery, 1 strap, in SysCon stacking box „SysCon M“ 220372 without dies.

- Pressing force in kN: 60 kN
- Working pressure in bar: 700
- Head can be opened
- Opening/ Hub: 17 mm
- Pressing width: slim
- Pressing time, battery-operated in seconds: ca. 5
- Battery charging time in minutes: 30
- Battery type: Li-Ion, 18 V, 2 Ah
- With the new HAUPA battery item no. 215523 and charger item no. 215527
- Cable lugs: standard Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240
- Connectors: Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240

300-06

6-300 standard | 6-300 DIN CU | 16-240 DIN AL | 6-300 standard | 6-300 DIN CU | 16-240 DIN AL

60 kN | 700 bar | 180° | 30 min. | Li-ION 18V 2Ah | SysCon

Art. no.	mm²	dimension	kg	PU
216801-1	6 - 300	383 x 75 mm	7,900	1

Battery powered crimping tool „S0-6M“ Sensor

Technical data and scope of delivery, see 216801.

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 1 white LED designed to illuminate the working area.

300-06

6-300 standard | 6-300 DIN CU | 16-240 DIN AL | 6-300 standard | 6-300 DIN CU | 16-240 DIN AL

60 kN | 700 bar | 180° | 30 min. | Li-ION 18V 2Ah | SysCon | Sensor Technik

Video 216801/M

Art. no.	mm²	dimension	kg	PU
216801/M-1	6 - 300	383 x 75 mm	7,900	1

Battery powered crimping tool „A0-6“ Sensor

2 step hydraulic for replaceable pressing dies, crimping head can be rotated by 180°, can be opened, with quick opening, manual return after completed pressing, LED to check battery status.

Included in delivery: 1 crimping tool, 1 charger, 1 battery, 1 carry strap, in plastic case, without dies.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Opening/ Hub: 17 mm
- Head can be opened
- Pressing width: slim
- Cable lugs: standrad Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240
- Connectors: standard Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240
- Pressing time, battery-operated in seconds: 4
- Battery charging time in minutes: 120
- Battery type: Li-Ion 18 V, 4 Ah
- Dual-piston pump
- Weight in kg: 4,5
- Weight of set in kg: 9,5

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 2 white LED designed to illuminate the working area.

300-06

6-300 standard | 6-300 DIN CU | 16-240 DIN AL | 6-300 standard | 6-300 DIN CU | 16-240 DIN AL

60 kN | 700 bar | 180° | 120 min. | Li-ION 18V 4Ah | Sensor Technik

Video 216800

Art. no.	mm²	dimension	kg	PU
216800	6 - 300	375 x 343 x 75 mm	9,500	1

haupa®
... convincing solutions

Hydraulic hand pliers „HO-6“

Crimping head can be rotated by 180°, manual return after completed pressing, light and compact construction in black plastic case, without dies.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Head can be opened
- Opening / Hub: 17 mm
- Pressing width: slim
- Cable lugs: standard Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240
- Connectors: standard Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240
- Dual-piston pump
- Weight in kg: 3,5
- Weight of set in kg: 5,0

300-06

6-300 standard | 6-300 DIN CU | 16-240 DIN AL | 6-300 standard | 6-300 DIN CU | 16-240 DIN AL

60 kN | 700 bar | 180°

Art. no.	mm²	dimension	kg	PU
216802	6 - 300	500 x 170 x 80 mm	5,000	1

Hand pliers „MO-6“ for exchangeable dies

Extent of supply: 1 crimping tool, in metal suitcase.

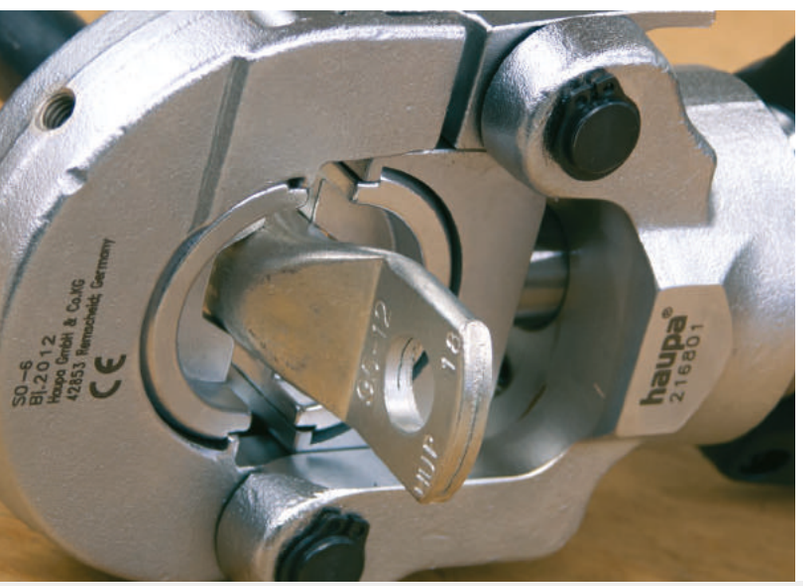
- Crimping range cable lugs: Cu 6-300 • DIN Cu 6-300 / DIN Al 16-240
- Crimping range connectors: Cu 6-300 • DIN Cu 6-300 / DIN Al 16-240

300-06

6-300 standard | 6-300 DIN CU | 16-240 DIN AL | 6-300 standard | 6-300 DIN CU | 16-240 DIN AL

60 kN | 180°

Art. no.	mm²	dimension	kg	PU
216804	10 - 300	765 x 175 mm	11,800	1



Crimping headstock „KO-6“

in plastic case, without dies.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Head can be opened
- Opening/ Hub: 17 mm
- Pressing width: slim
- Cable lugs: standard Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240
- Connectors: standard Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240
- Quick coupling
- Weight in kg: 3,2
- Weight of set in kg: 4,2

300-06

6-300 standard | 6-300 DIN CU | 16-240 DIN AL | 6-300 standard | 6-300 DIN CU | 16-240 DIN AL

60 kN | 700 bar

Art. no.	mm²	dimension	kg	PU
216807	6 - 300	235 x 91,5 x 57 mm	4,200	1

Dies for terminals and connectors DIN

DIN Cu | DIN Cu | DIN Al | DIN Al | 300-06

Art. no.	Cu	Al	Id.	PW	kg	PU
216832	6	-	5	5	0,123	1
216834	10	-	6	5	0,122	1
216836	16	-	8	5	0,125	1
216838	25	-	10	5	0,120	1
216840	35	16 - 25	12	5	0,120	1
216842	50	35	14	5	0,119	1
216844	70	50	16	5	0,120	1
216846	95	70	18	5	0,120	1
216848	120	-	20	5	0,120	1
216850	150	95 - 120	22	5	0,120	1
216852	185	150	25	5	0,120	1
216854	240	185	28	5	0,115	1
216856	300	240	32	5	0,120	1

Dies for terminals and connectors standard

Standard | Standard | 300-06

Art. no.	mm²	PW	kg	PU
216806	6	5	0,136	1
216808	10	5	0,136	1
216810	16	5	0,136	1
216812	25	5	0,135	1
216814	35	5	0,135	1
216816	50	5	0,134	1
216818	70	5	0,132	1
216820	95	5	0,132	1
216822	120	5	0,130	1
216824	150	5	0,128	1
216826	185	5	0,125	1
216828	240	5	0,121	1
216830	300	5	0,118	1

PU Packing unit PE Price unit

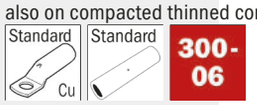
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller | Premium product

Dies

Dies for terminals and compacted connectors

for standard tube terminals and compacted connectors,
also on compacted thinned connectors

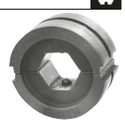


300-06

Art. no.	mm²	PW	kg	PU
216806/V	6	5	0,136	1
216808/V	10	5	0,136	1
216810/V	16	5	0,136	1
216812/V	25	5	0,135	1
216814/V	35	5	0,135	1
216816/V	50	5	0,134	1
216818/V	70	5	0,132	1
216820/V	95	5	0,132	1
216822/V	120	5	0,130	1
216824/V	150	5	0,128	1
216826/V	185	5	0,125	1
216828/V	240	5	0,121	1
216830/V	300	5	0,118	1

Dies for tubular terminals „F-Type“

haupa F-Type 300-06



Art. no.	mm²	PW	kg	PU
216878	10	8	0,146	1
216880	16	9	0,153	1
216882	25	11	0,162	1
216884	35	13	0,171	1
216886	50	13	0,167	1
216888	70	13	0,160	1
216890	95	13	0,164	1
216892	120	20	0,174	1
216894	150	20	0,162	1
216896	185	8	0,124	1
216898	240	8	0,119	1
216899	300	8	0,089	1

Dies for end sleeves

for end sleeves on compacted thinned connectors **(wave form)**

300-06

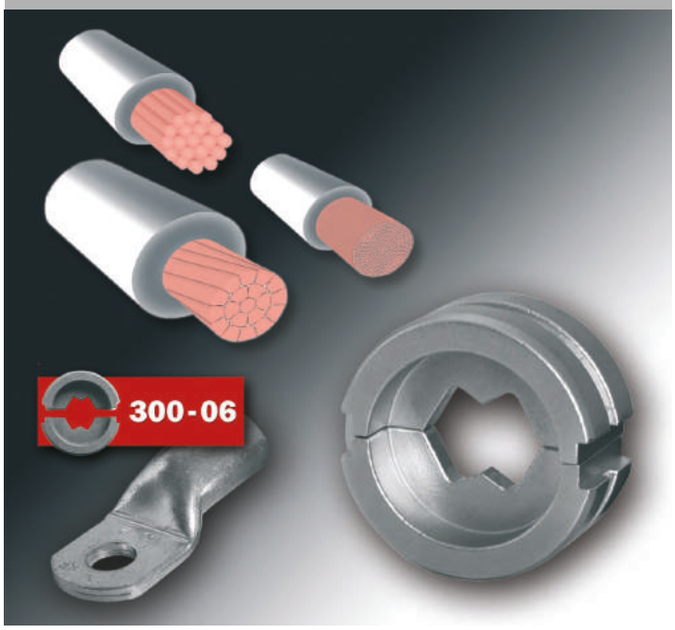
Art. no.	mm²	kg	PU
216950	6	0,120	1
216952	10	0,120	1
216954	16	0,120	1
216956	25	0,120	1
216958	35	0,120	1
216960	50	0,120	1
216962	70	0,120	1
216964	95	0,120	1
216966	120	0,120	1
216968	150	0,120	1
216970	185	0,120	1
216972	240	0,120	1

Dies for rounding of round conductors

300-06

Art. no.	mm²	sm	se	kg	PU
216926	10	10	-	0,120	1
216928	16	16	-	0,120	1
216930	25 - 35	25	35	0,120	1
216932	35 - 50	35	50	0,120	1
216934	50 - 70	50	70	0,120	1
216936	70 - 95	70	95	0,120	1
216938	95 - 120	95	120	0,120	1
216940	120 - 150	120	150	0,240	1
216942	150 - 185	150	185	0,197	1
216944	185 - 240	185	240	0,120	1
216946	240 - 300	240	300	0,120	1

Dies for compacted connectors



Battery powered crimping tool „AC25-12“ Sensor

2 step hydraulic for replaceable pressing dies, crimping head can be rotated by 180°, can be opened, with quick opening, manual return after completed pressing, LED to check battery status.
Included in delivery: 1 crimping tool, 1 charger, 1 battery, 1 carry strap, in plastic case, without dies.

- Pressing force in kN: 120
- Working pressure in bar: 700
- Opening/ Hub: 25 mm
- Pressing width: wide
- Cable lugs: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Connectors: standard Cu 10-185 • DIN Cu 10-150 • DIN Al 16-120
- Pressing time, battery-operated in sec.: 6 - 12
- Battery charging time in min.: 120
- Battery type: Li-Ion, 18 V, 4 Ah
- Dual-piston pump
- Weight in kg: 7 • Weight of set in kg: 12

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 2 white LED designed to illuminate the working area.

400-C12

10-400 standard | 10-300 DIN CU | 16-240 DIN AL | 10-185 standard | 10-150 DIN CU | 16-240 DIN AL

120 kN | 700 bar | 180° | 120 min. | Li-ION 18V 4Ah | Sensor

Video 216601

Art. no.	mm²	dimension	kg	PU
216601	10 - 400	375 x 375 x 75 mm	12	1

Hydraulic hand pliers „HC25-12“

Crimping head can be rotated by 180°, manual return after completed pressing, light and compact construction in black plastic case, without dies.

- Pressing force in kN: 120
- Working pressure in bar: 700
- Opening/ Hub: 25 mm
- Pressing width: wide
- Cable lugs: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Connectors: standard Cu 10-185 • DIN Cu 10-150 • DIN Al 16-120
- Dual-piston pump
- Weight in kg: 6,2
- Weight of set in kg: 7,7

400-C12

10-400 standard | 10-300 DIN CU | 16-240 DIN AL | 10-185 standard | 10-150 DIN CU | 16-120 DIN AL

120 kN | 700 bar | 180°

Art. no.	mm²	dimension	kg	PU
216124	10 - 400	585 x 180 x 72 mm	7,700	1

Hydraulic crimping headstock „KC25-12“

in plastic case, without dies.

- Pressing force in kN: 120
- Working pressure in bar: 700
- Cable lugs: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Connectors: standard Cu 10-185 • DIN Cu 10-150 • DIN Al 16-120
- Opening/ Hub: 25 mm
- Pressing width: wide
- Quick coupling
- Weight in kg: 3,6
- Weight of set in kg: 4,6

400-C12

10-400 standard | 10-300 DIN CU | 16-240 DIN AL | 10-185 standard | 10-150 DIN CU | 16-120 DIN AL

120 kN | 700 bar

Art. no.	mm²	dimension	kg	PU
216004	10 - 400	245 x 130 x 72 mm	4,600	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Battery powered crimping tool „AC42-12“ Sensor

2 step hydraulic for replaceable pressing dies, crimping head can be rotated by 180°, can be opened, with quick opening, manual return after completed pressing, LED to check battery status.
Included in delivery: 1 crimping tool, 1 charger, 1 battery, 1 carry strap, in plastic case, without dies.

- Pressing force in kN: 120
- Working pressure in bar: 700
- Opening/ Hub: 42 mm
- Pressing width: wide
- Cable lugs: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Connectors: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Pressing time, battery-operated in sec.: 7 - 13
- Battery charging time in min.: 120
- Battery type: Li-Ion, 18 V, 4 Ah
- Dual-piston pump
- Weight in kg: 8,5 • Weight of set in kg: 13

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 2 white LED designed to illuminate the working area.

400-C12

10-400 standard | 10-300 DIN CU | 16-240 DIN AL | 10-400 standard | 10-300 DIN CU | 16-240 DIN AL

120 kN | 700 bar | 180° | 120 min. | Li-ION 18V 4Ah | Sensor

Video 216622

Art. no.	mm²	dimension	kg	PU
216622	10 - 400	430 x 340 x 75 mm	13,000	1

Hydraulic hand pliers „HC42-12“

Crimping head can be rotated by 180°, manual return after completed pressing, light and compact construction in black plastic case, without dies.

- Pressing force in kN: 120
- Working pressure in bar: 700
- Opening/ Hub: 42 mm
- Pressing width: wide
- Cable lugs: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Connectors: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Dual-piston pump
- Weight in kg: 8,2
- Weight of set in kg: 9,7

400-C12

10-400 standard | 10-300 DIN CU | 16-240 DIN AL | 10-400 standard | 10-300 DIN CU | 16-240 DIN AL

120 kN | 700 bar | 180°

Art. no.	mm²	dimension	kg	PU
216125	10 - 400	640 x 170 x 77 mm	9,700	1

Hydraulic crimping headstock „KC42-12“

in plastic case, without dies.
Pressing force in kN: 120

- Working pressure in bar: 700
- Opening/ Hub: 42 mm
- Pressing width: wide
- Cable lugs: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Connectors: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Quick coupling
- Weight in kg: 5,3
- Weight of set in kg: 6,3

400-C12

10-400 standard | 10-300 DIN CU | 16-240 DIN AL | 10-400 standard | 10-300 DIN CU | 16-240 DIN AL

120 kN | 700 bar

Art. no.	mm²	dimension	kg	PU
216005	10 - 400	320 x 130 x 76 mm	6,300	1

Battery powered crimping tool „AH-12“ Sensor

2 step hydraulic for replaceable pressing dies, crimping head can be rotated by 180°, can be opened, with quick opening, manual return after completed pressing, LED to check battery status.
Pressing tool for deep indent pressing.
Included in delivery: 1 crimping tool, 1 charger, 1 battery, 1 carry strap, in plastic case, without dies.

- Pressing force in kN: 120
- Working pressure in bar: 700
- Head can be opened
- Opening/ Hub: 20 mm
- Pressing width: wide
- Cable lugs: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Connectors: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Pressing time, battery-operated in sec.: 6 - 13
- Battery charging time in minutes: 120
- Battery type: Li-Ion, 18 V, 4 Ah
- Dual-piston pump
- Weight in kg: 7 • Weight of set in kg: 12

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 2 white LED designed to illuminate the working area.

400-C12

10-400 standard | 10-300 DIN CU | 16-240 DIN AL | 10-400 standard | 10-300 DIN CU | 16-240 DIN AL

120 kN | 700 bar | 180° | 120 min. | Li-ION 18V 4Ah | Sensor

Video 216503

Art. no.	mm²	dimension	kg	PU
216503	10 - 400	405 x 353 x 75 mm	12,000	1

Hydraulic hand pliers „HH-12“

Crimping head can be rotated by 180°, manual return flow after perfect pressure, in black metal suitcase, without dies.

- Pressing force in kN: 120
- Working pressure in bar: 700
- Head can be opened
- Opening/ Hub: 20 mm
- Pressing width: wide
- Cable lugs: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Connectors: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Dual-piston pump
- Weight in kg: 4,0
- Weight set in kg: 5,0

400-C12

10-400 standard | 10-300 DIN CU | 16-240 DIN AL | 10-400 standard | 10-300 DIN CU | 16-240 DIN AL

120 kN | 700 bar | 180°

Art. no.	mm²	dimension	kg	PU
215946	10 - 400	615 x 180 x 76 mm	7,500	1

Crimping headstock „KH-12“

in plastic case, without dies.

- Pressing force in kN: 120
- Working pressure in bar: 700
- Head can be opened
- Opening/ Hub: 20 mm
- Pressing width: wide
- Cable lugs: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Connectors: standard Cu 10-400 • DIN Cu 10-300 • DIN Al 16-240
- Quick coupling
- Weight in kg: 4
- Weight of set in kg: 5

400-C12

10-400 standard | 10-300 DIN CU | 16-240 DIN AL | 10-400 standard | 10-300 DIN CU | 16-240 DIN AL

120 kN | 700 bar

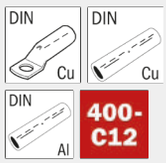
Art. no.	mm²	dimension	kg	PU
215980	10 - 400	275 x 90 x 76 mm	5,000	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Crimping dies DIN Cu + Al

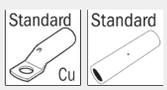
Standard copper tube terminals and connectors, **hexagonal pressing**



Art. no.	mm²	PW	Al	Id.	kg	PU
216036	10	10	-	6	0,248	1
216038	16	10	-	8	0,248	1
216040	25	13	-	10	0,244	1
216042	35	13	16 - 25	12	0,235	1
216044	50	13	35	14	0,231	1
216046	70	13	50	16	0,226	1
216048	95	14	70	18	0,229	1
216050	120	14	-	20	0,225	1
216052	150	10	95 - 120	22	0,197	1
216054	185	10	150	25	0,193	1
216056	240	10	185	28	0,185	1
216060	300	10	-	32	0,142	1

Crimping dies

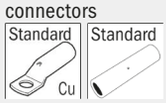
Standard copper tube terminals and connectors, **hexagonal pressing**



Art. no.	mm²	PW	kg	PU
216008	10	10	0,211	1
216010	16	10	0,212	1
216012	25	10	0,210	1
216014	35	13	0,207	1
216016	50	13	0,224	1
216018	70	14	0,221	1
216020	95	14	0,226	1
216022	120	14	0,200	1
216024	150	11	0,200	1
216026	185	11	0,191	1
216028	240	11	0,186	1
216030	300	11	0,200	1
216032	400	11	0,200	1

Dies for compacted connectors

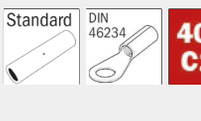
for standard cable lugs and compacted connectors, also on compacted thinned connectors



Art. no.	mm²	PW	kg	PU
216008/V	10	10	0,211	1
216010/V	16	10	0,212	1
216012/V	25	10	0,210	1
216014/V	35	13	0,207	1
216016/V	50	13	0,224	1
216018/V	70	14	0,221	1
216020/V	95	14	0,226	1
216022/V	120	14	0,200	1
216024/V	150	11	0,200	1
216026/V	185	11	0,191	1
216028/V	240	11	0,186	1
216030/V	300	11	0,200	1
216032/V	400	11	0,200	1

Crimping dies

Standard copper tube terminals and connectors, **mandrel shape crimping**



Art. no.	mm²		kg	PU
216064	10		0,200	1
216066	16		0,120	1
216068	25		0,118	1
216070	35		0,116	1
216072	50		0,118	1
216074	70		0,131	1
216076	95		0,119	1
216078	120		0,111	1
216080	150		0,107	1
216082	185		0,095	1
216084	240		0,085	1
216086	300		0,060	1
216065	10 - 25		0,112	1
216067	35 - 50		0,121	1
216069	70 - 120		0,136	1
216071	150 - 300		0,125	1

Crimping dies for cable class 5+6, F-Type

tubular terminals and connectors, F-Type

Art. no.	mm²	PW	kg	PU
216160	10	8	0,211	1
216162	16	8	0,216	1
216164	25	11	0,227	1
216168	50	13	0,232	1
216166	35	13	0,234	1
216170	70	13	0,111	1
216172	95	13	0,230	1
216174	120	20	0,247	1
216176	150	20	0,235	1
216178	185	8	0,190	1
216180	240	8	0,179	1
216182	300	8	0,126	1

Crimping dies

for rounding of square connectors

Art. no.	mm²	sm	se	kg	PU
216088	50	50	70	0,518	1
216090	70	70	95	0,505	1
216092	95	95	120	0,489	1
216094	120	120	150	0,474	1
216096	150	150	185	0,463	1
216098	185	185	240	0,441	1
216100	240	240	300	0,406	1

Crimping dies

for end sleeves and compacted thinned conductors, **wave form**

Art. no.	mm²	PW	kg	PU
216112	50	26	0,194	1
216114	70	26	0,200	1
216116	95	26	0,188	1
216118	120	26	0,200	1
216120	150	26	0,200	1
216122	185	26	0,200	1
216123	240	26	0,200	1

Crimping dies

for insulated tube terminals, **oval pressing**

Art. no.	mm²	PW	kg	PU
216126	10	5	0,200	1
216128	16	5	0,200	1
216130	25	5	0,220	1
216132	35	5	0,218	1
216134	50	5	0,200	1
216136	70	5	0,200	1
216138	95	5	0,200	1
216140	120	5	0,200	1
216142	150	5	0,200	1

Crimping dies

C-connectors, **oval pressing**

Art. no.	mm²	kg	PU
216148	16 - 25	0,218	1
216150	35	0,208	1
216152	50 - 70	0,260	1
216154	95	0,217	1
216156	120	0,261	1

Pressing inserts „Deep Indend“ (AH-12/KH-12/HH-12)

for conduit terminals and connectors, **thorn pressing**

Art. no.	mm²		kg	PU
216552	50 - 70	cable lugs	0,211	1
216554	95 - 185	cable lugs	0,211	1
216556	240	cable lugs	0,211	1
216562	50 - 70	connectors	0,211	1
216564	95 - 185	connectors	0,211	1
216566	240	connectors	0,211	1

Adapter pressing thorn

Art. no.	dimension	kg	PU
216570	1 - 4	0,211	1

Pressing thorn

Art. no.	mm²	dimension	kg	PU
216574	50 - 70	1	0,211	1
216576	95 - 185	2	0,211	1
216578	240	4	0,211	1

Holder for „Deep Indend“ pressing inserts

Art. no.	mm²	kg	PU
216580	50 - 185	0,211	1
216582	240	0,211	1

Battery powered crimping tool „SDE240-6“

Crimping head can be rotated by 180°, with fast opening, return manually once compressing is complete, no inserts required, mandrel shape pressing.
Extent of supply: 1 crimping tool, 1 charger, 1 battery, 1 strap, in SysCon stacking box.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Pressing width: thorn
- Cable lugs: standard Cu 10-240
- Connectors: standard Cu 10-240
- Pressing time, battery-operated in sec.: 6-12
- Battery charging time in min.: 30
- Battery type: Li-Ion, 18 V, 2 Ah
- With the new HAUPA battery item no. 215523 and charger item no. 215527
- Weight in kg: 2,4
- Weight of set in kg: 7,9

Art. no.	mm²	dimension	kg	PU
216669-1	10 - 240	455 x 75 mm	7,900	1

Battery powered crimping tool „SDE240-6M“ Sensor

Technical data and scope of delivery, see 216669-1.

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 1 white LED designed to illuminate the working area.

Art. no.	mm²	dimension	kg	PU
216669/M-1	10 - 240	455 x 75 mm	7,900	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Battery powered crimping tool „SD300-6“

Crimping head can be rotated by 360°, manual return flow after perfect pressure, mandrel shape pressing.
Extent of supply: 1 crimping tool, 1 charger, 1 battery, 1 strap, in SysCon stacking box „SysCon M“ 220372.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Pressing width: thorn
- Cable lugs: standard Cu 16-300
- Connectors: standard Cu 16-120
- Pressing time, battery-operated in sec.: 6-12
- Battery charging time in min.: 30
- Battery type: Li-Ion, 18 V, 2 Ah
- Weight in kg: 2,4
- Weight of set in kg: 7,9

16-300 standard | 16-120 standard | 60 kN | 700 bar | 360° | 30 min. | Li-ION 18V 2Ah | SysCon

Art. no.	mm²	dimension	kg	PU
216663-1	16 - 300	443 x 75 mm	7,900	1

Battery powered crimping tool „SD300-6M“ Sensor

Technical data and scope of delivery, see 216663-1.

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 1 white LED designed to illuminate the working area.

16-300 standard | 16-120 standard | Video 216663/M | 60 kN | 700 bar | 360° | 30 min. | Li-ION 18V 2Ah | Sensor technik | SysCon

Art. no.	mm²	dimension	kg	PU
216663/M-1	16 - 300	443 x 75 mm	7,900	1

Test pin and gauge, see page 72.

Hydraulic hand pliers „HD300-6“

Crimping head can be rotated by 360°, manual return after completed pressing, light and compact construction in black plastic case.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Cable lugs: standard Cu 16-300
- Connectors: standard Cu 16-120
- Dual-piston pump
- Weight in kg: 5,0
- Weight of set in kg: 6,5

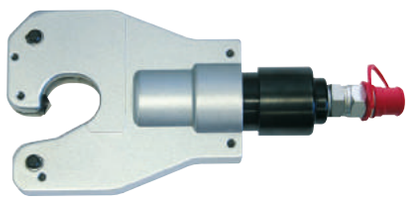
16-300 standard | 16-120 standard | 60 kN | 700 bar | 360°

Art. no.	mm²	dimension	kg	PU
216660	16 - 300	570 x 160 x 60 mm	6,500	1

Crimping headstock „KD300-6“

in plastic case.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Cable lugs: standard Cu 16-300
- Connectors: standard Cu 16-120
- Quick coupling
- Weight in kg: 2,8
- Weight of set in kg: 3,8



16-300 standard | 16-120 standard | 60 kN | 700 bar

Art. no.	mm²	dimension	kg	PU
216665	16 - 300	375 x 343 x 75 mm	3,800	1

Hydraulic 4-thorn pressing tool for pressing ordinary conduit terminals and connectors, wide pressing
Reliable, robust, hydraulic pressing tool. The solution for your tough jobs!

- Tool adjusts automatically to the conductor cross-section being pressed
- Guaranteed DIN suitable connection
- No need to purchase further pressing inserts
- No need to change insert for each conductor cross-section
- Ideally suited for pressing extremely flexible finest-wired conductors of the cable classes 5 & 6
- Ideally suited to pressing of compacted conductors (no sleeve, no special cable shoe)
- Test thorn and guide for fast, simple, optical pressing pressure control

Note:
DIN pressing cable shoes must be processed in accordance with

Battery powered crimping tool „SD400-6“

Crimping head can be rotated by 360°, manual return flow after perfect pressure, mandrel shape pressing.
Extent of supply: 1 crimping tool, 1 charger, 1 battery, 1 strap, in SysCon stacking box „SysCon M“ 220372.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Head can be opened
- Cable lugs: standard Cu 25-400
- Connectors: standard Cu 25-400
- Pressing time, battery-operated in sec.: 6-12
- Battery charging time in min.: 30
- Battery type: Li-Ion, 18 V, 2 Ah
- With the new HAUPA battery item no. 215523 and charger item no. 215527
- Weight in kg: 2,4
- Weight of set in kg: 7,9

Art. no.	mm²	dimension	kg	PU
216667-1	25 - 400	455 x 75 mm	7,900	1

Battery powered crimping tool „SD400-6M“ Sensor

Technical data and scope of delivery, see 216667-1.

With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:

- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

The device also has 1 white LED designed to illuminate the working area.

Art. no.	mm²	dimension	kg	PU
216667/M-1	25 - 400	455 x 75 mm	7,900	1

Test pin

Test pin for hydraulic four mandrel pressing tools

Art. no.	kg	PU
216660/B	0,566	1

Hydraulic hand pliers „HD400-6“

Crimping head can be rotated by 360°, manual return after completed pressing, light and compact construction in black plastic case.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Head can be opened
- Cable lugs: standard Cu 25-400
- Connectors: standard Cu 25-400
- Dual-piston pump
- Weight in kg: 5,2
- Weight of set in kg: 6,7

Art. no.	mm²	dimension	kg	PU
216661	25-400	585 x 160 x 75 mm	6,700	1

Crimping headstock „HKD400“

in plastic case.

- Pressing force in kN: 60
- Working pressure in bar: 700
- Head can be opened
- Cable lugs: standard Cu 25-400
- Connectors: standard Cu 25-400
- Quick coupling
- Weight in kg: 3
- Weight of set in kg: 4

Art. no.	mm²	dimension	kg	PU
216666	400	375 x 343 x 75 mm	4,000	1

Template for four mandrel pressing

Template for hydraulic four mandrel pressing tools

Art. no.	kg	PU
216660/L	0,566	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Pressure testing tool

Pressure testing tool C-head

Dies and indicating manometer for monitoring the pressing force of article 216601, 216124, 216004, 216622, 216125, 216005

400-C12

Art. no.	kg	PU
217100	1,900	1

Pressure testing tool pistol-format

Dies and indicating manometer for monitoring the pressing force, only for battery-operated pressing tools in the 400-C12 and 216800 series

400-C12

Art. no.	kg	PU
217101	0,800	1

Pressure testing tool H-head

Dies and indicating manometer for monitoring the pressing force of article 215946, 215980, 216503

400-C12

Art. no.	kg	PU
217102	5,000	1

Pressure testing tool O-head

Dies and indicating manometer for monitoring the pressing force of article 216801-1, 216801/M-1, 216800, 216802, 216804, 216807

300-06

Art. no.	kg	PU
217103	2,000	1

Pressure testing tool 240-H6

Dies and indicating manometer for monitoring the pressing force of article 215881-1, 215881/M-1, 215800

240-H6

Art. no.	kg	PU
217104	3,400	1

Pressure testing tool 185-H6

Dies and indicating manometer for monitoring the pressing force of article 215765-1, 215770-1, 215770/M-1

185-H6

Art. no.	kg	PU
217105	3,300	1

Pressure testing tool recorder

Sensor

for all accumulator hydraulics with sensor technology

Art. no.	kg	PU
217107	0,700	1

Accessories

Battery Li-Ion 18 V 2 Ah

Compatible with all Li-Ion 18 V battery devices
- Intelligent battery monitoring, temperature protection, LED capacity indicator
- Charging possible using the HAUPA compact charger item 215527 or original Makita charging technology
- Please note: This battery cannot be charged using the HAUPA quick charger item 215513.

Art. no.	kg	PU
215523	0,350	1

Battery Li-Ion 18 V 4 Ah

Compatible with all Li-Ion 18 V battery devices
- intelligent battery monitoring, temperature protection, LED capacity indicator
- Charging possible using the HAUPA compact charger item 215527 or original Makita charging technology
- Please note: This battery cannot be charged using the HAUPA quick charger item 215513.

Art. no.	kg	PU
215525	0,580	1

Li-Ion 18 V compact charger

For battery models 215503, 215511, 215523, 215525

Art. no.	kg	PU
215527	0,819	1

Battery Li-Ion 18 V 2 Ah

for all 18 Volt Li-Ion battery tools

Art. no.	kg	PU
215503	0,383	1

Battery Li-Ion 18 V 4 Ah

for all 18 Volt Li-Ion battery tools

Art. no.	kg	PU
215511	0,651	1

Quick charger Li-Ion 18 V

for all 18 Volt Li-Ion battery tools, for art. 215503, 215511

Art. no.	kg	PU
215513	0,819	1

Hydraulic oil

0,5 l

Art. no.	kg	PU
216254	1,000	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Hydraulic crimping headstocks

Hydraulic crimping headstock „KH-25“

for uninsulated terminals 95 - 630 mm², pressure 250 kN, for crimping dies hexagon shape according to DIN 48083 page 3 and 4.

- Pressing force in kN: 250
- Working pressure in bar: 700
- Opening/ Hub:Pin
- Pressing width: wide
- Pressing area Cu/Al: 95-630
- Dual-piston pump
- Quick coupling
- Weight in kg: 6,4
- Weight of set in kg: 9

630-H250

Art. no.	TL	mm²	kg	PU
216236	185	95 - 630	9,000	1

Crimping dies DIN-connection, Cu/Al

hexagon pressing dies according DIN 48083 page 4 suitable for DIN-connection material according to DIN. Cu ze (free of tensile)

DIN Cu | DIN Cu | 630-H250

Art. no.	mm²	Al	Id.	kg	PU
212372	95	70	18	1,340	1
212376	120	-	20	1,340	1
212380	150	95-120	22	1,335	1
212382	185	150	25	1,325	1
212384	240	185	28	1,250	1
212388	300	240	32	1,275	1
212390	300	300	34	1,180	1
212392	400	400	38	1,160	1
212394	-	-	42	1,110	1
212396	625	500	44	1,100	1

Crimping dies, standard, Cu

standard, **hexagonal pressing**

Standard Cu | Standard | 630-H250

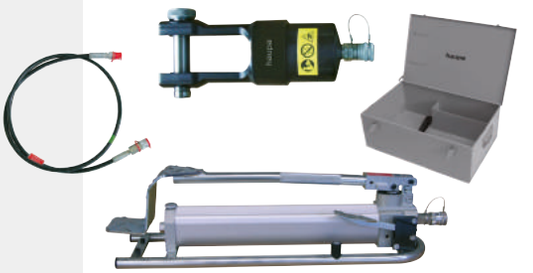
Art. no.	Cu	kg	PU
212580	95	1,340	1
212581	120	1,340	1
212582	150	1,335	1
212583	185	1,325	1
212584	240	1,250	1
212585	300	1,275	1
212586	400	1,160	1
212587	500	1,110	1
212588	625	1,100	1

Hydraulic crimping headstock set

Content: Art. No. 216236 Hydraulic crimping headstock, Art. No. 216238 Hydraulic high-pressure hose, 2 m, Art. No. 216348 Hydraulic foot pump, Art. No. 216251 Carrycase.

- Pressing force in kN: 250
- Working pressure in bar: 700
- Opening/ Hub: Pin
- Pressing width: wide
- Pressing area Cu/Al: 95-630
- Dual-piston pump
- Quick coupling
- Weight in kg: 18,4
- Weight of set in kg: 21

630-H250



Art. no.	mm²	kg	PU
216250	95 - 630	21,000	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Hydraulic crimping headstock + cylinder „KH-45“

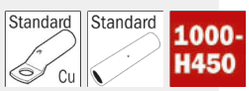
for terminals and butt connectors to 1000 mm², together with an adapter it is possible to use all other crimping dies of the other crimping headstock, low weight in comparison to the crimping range, excellent price relation, snap head, extensionable system to bend and punch electric bus bars socket-joint connection.

- Pressing force in kN: 450
- Working pressure in bar: 700
- Pressing width: wide
- Pressing area Cu/Al: 120-1000
- Quick coupling
- Weight of set in kg: 13,5

Art. no.	TL	mm²	kg	PU
216355	185	120 - 1000	13,500	1

Crimping dies, standard

standard, **hexagon pressing**



for crimping terminals and connectors DIN 46235 and for Al terminals and Al connectors

Art. no.	mm²	kg	PU
216304	120	2,635	1
216306	150	2,600	1
216308	185	2,620	1
216310	240	2,580	1
216312	300	2,580	1
216314	400	2,235	1
216316	500	2,300	1
216318	625	2,300	1

Crimping dies, DIN

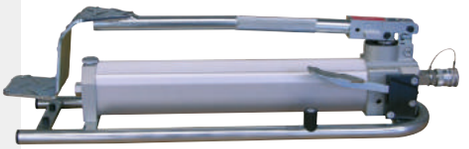
DIN, **hexagon pressing** for terminals and connectors DIN 46235 and for Al terminals and Al connectors

Art. no.	mm²	Al	Id.	kg	PU
216320	120	-	20	2,635	1
216322	150	95-120	22	2,600	1
216324	185	150	25	2,620	1
216326	240	185	28	2,580	1
216328	300	240	32	2,580	1
216330	300	300	34	2,380	1
216332	400	-	38	2,325	1
216334	500	-	42	2,300	1
216336	625	-	44	2,300	1
216338	800	-	52	2,300	1
216340	1000	-	58	2,040	1

Pumps for hydraulic crimping headstocks

Hydraulic foot pump „F-700“

material: aluminium alloy, light design, twin-cam pump, automatic switching from closing (ca. 25 ccm/Hub) to working feed rate (ca. 2.5 ccm/Hub), security valve, max. working pressure 700 bar (+ 10/- 30 bar), without hose, **with quick coupling**



Art. no.	NP	kg	PU
216348	700	12,000	1

Hydraulic high-pressure hose

steel-reinforced with rapid coupling to foot pump art. 216348 and electro-hydraulic pump art. 216352

Art. no.	m	kg	PU
216238	2	0,950	1
216240	3	1,100	1
216242	4	1,600	1
216244	5	2,000	1

Electro-hydraulic pump „PN700 I“

electric foot switch, completely self-acting, also the release of the dies at the end of the operation, 2 m high pressure tube and hydraulic connectors, for industrial uses, where a high level of production is needed, 230 volt, with foot switch control, pump for working outside

Art. no.	NP		kg	PU
216352	700	230V	20,000	1
216358	700	Battery	20,000	1

Battery-hydraulic pump „PA-700“ Sensor

2 stage hydraulics, manual control switch, manual return flow after perfect pressure, LED for battery control, 1 quick charger, 1 battery Li-Ion, 4 Ah, carrying belt, max. operating pressure: 700 bar with 1,8 m hose, **with quick coupling**.

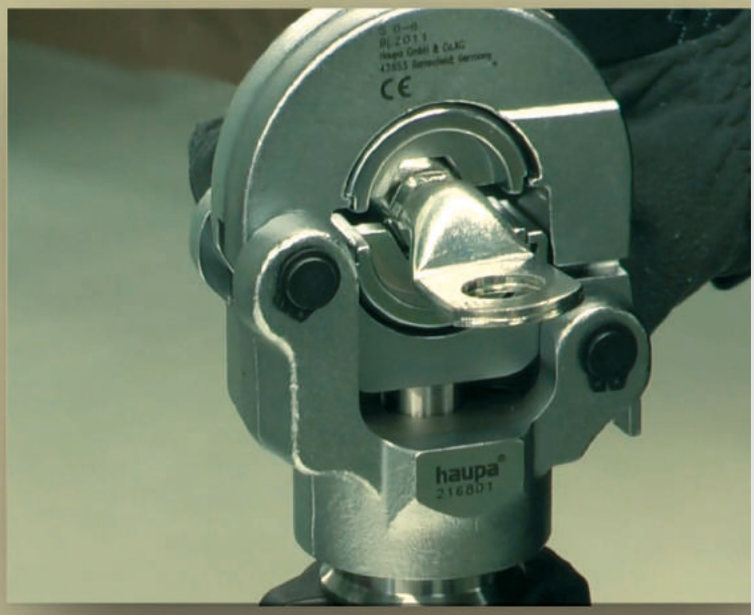
With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:
- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

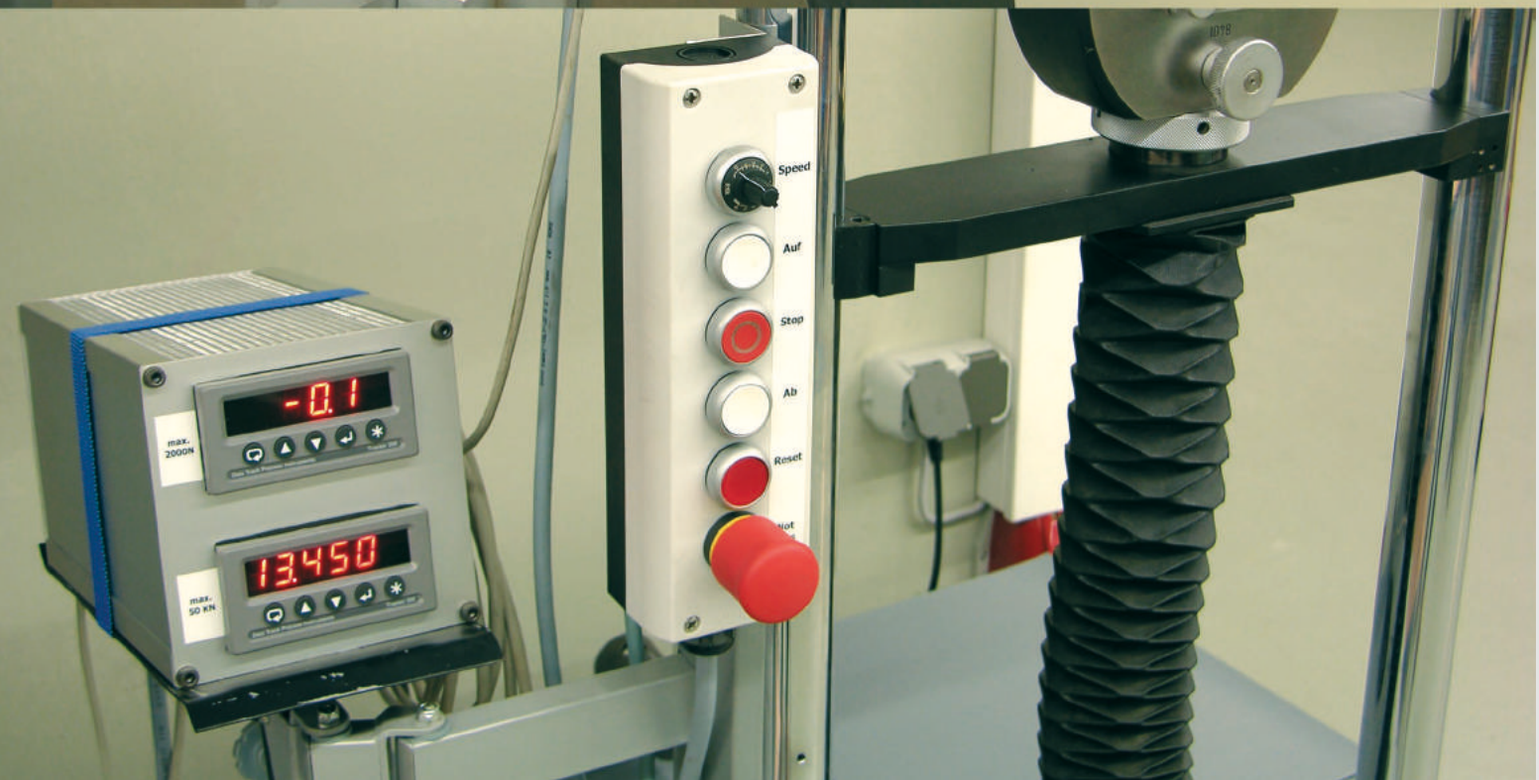
Cutting/Pressing/Punching

Art. no.	NP		kg	PU
216357	700	Battery	8,000	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product


haupa
216801


Speed
Auf
Stop
Ab
Reset
-0.1
13.450

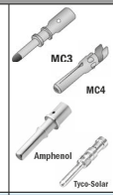
6 tonne pressing tools

Tool	Article No.	Type	Insert range	Pressing width	Sensor techno-logy	Pressing width thorn	Pressing force kN	Working pressure in bar	Head can be opened	Quick coupling	HUB/ opening mm	Pressing range for cable lugs						Pressing range for connectors						Dual piston pump	kg	Set kg	Battery	Pressing time in sec.
												Cu	Cu DIN	F-Type	Al DIN	CU standard PL	CU standard light T	Cu	Cu DIN	F-Type	Al DIN	Cu standard PL	Cu standard light M					
	215765	HHs-6	185 H6	slim	-	-	60	700	●	-	17	10 - 240	10 - 185	-	10 - 185	10 - 185	-	10 - 185	10 - 185	-	10 - 185	10 - 185	-	●	3,000	7,900	-	-
	215770-1	SHs-6	185 H6	slim	-	-	60	700	●	-	17	10 - 240	10 - 185	-	16 - 150	10 - 240	-	10 - 240	10 - 240	-	16 - 185	10 - 240	-	-	2,400	7,900	Li-Ion 18V 1,5 Ah	5
	215770/M-1	SHs-6	185 H6	slim	●	-	60	700	●	-	17	10 - 240	10 - 185	-	16 - 185	10 - 240	-	10 - 240	10 - 240	-	16 - 185	10 - 240	-	-	2,400	7,900	Li-Ion 18V 1,5 Ah	5
	215800	HH-6	240 H6	slim	-	-	60	700	●	-	17	10 - 240	10 - 240	-	16 - 185	10 - 240	-	10 - 240	10 - 240	-	16 - 185	10 - 240	-	●	3,000	4,500	-	-
	215881-1	SH-6	240 H6	slim	-	-	60	700	●	-	17	10 - 240	10 - 240	-	16 - 185	10 - 240	-	10 - 240	10 - 240	-	16 - 185	10 - 240	-	-	2,400	7,900	Li-Ion 18V 1,5 Ah	5
	215881/M-1	SH-6	240 H6	slim	●	-	60	700	●	-	17	10 - 240	10 - 240	-	16 - 185	10 - 240	-	10 - 240	10 - 240	-	16 - 185	10 - 240	-	-	2,400	7,900	Li-Ion 18V 1,5 Ah	5
	216807	KO-6	300 06	slim	-	-	60	700	●	●	17	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	-	3,200	4,200	-	-
	216804	MO-6	300 06	slim	-	-	60	700	●	-	17	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	-	8,100	11,800	-	-
	215802	HO-6	300 06	slim	-	-	60	700	●	-	17	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	●	3,500	5,000	-	-
	215801-1	SO-6	300 06	slim	-	-	60	700	●	-	17	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	-	2,400	7,900	Li-Ion 18V 1,5 Ah	5
	215801/M-1	SO-6	300 06	slim	●	-	60	700	●	-	17	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	-	2,400	7,900	Li-Ion 18V 1,5 Ah	5
	216800/M	AO-6	300 06	slim	●	-	60	700	●	-	17	6 - 300	6 - 300	6 - 300	6 - 240	6-300	6 - 300	6 - 300	6 - 300	6 - 300	6 - 240	6 - 300	6 - 300	●	4,500	9,500	Li-Ion 18V 3 Ah	4
	216665	KD300-6		wide	-	●	60	700	-	●	-	16 - 300	-	16 - 240	-	16 - 300	16 - 300	16 - 120	16 - 300	16 - 95	-	16 - 120	16 - 120	-	2,800	3,800	-	-
	216660	HD300-6		wide	-	●	60	700	-	-	-	16 - 300	-	16 - 240	-	16 - 300	16 - 300	16 - 120	16 - 300	16 - 95	-	16 - 120	16 - 120	●	5,000	6,500	-	-
	216663/M-1	AD300-6		wide	●	●	60	700	-	-	-	16 - 300	-	16 - 240	-	16 - 300	16 - 300	16 - 120	16 - 300	16 - 95	-	16 - 120	16 - 120	-	4,500	9,500	Li-Ion 18V 1,5 Ah	6
	216666	KD400-6		wide	-	●	60	700	●	●	-	25 - 400	-	25 - 400	-	25 - 400	25 - 400	25 - 400	25 - 400	25 - 400	-	25 - 400	25 - 400	-	3,000	4,000	-	-
	216661	HD400-6		wide	-	●	60	700	●	-	-	25 - 400	-	25 - 400	-	25 - 400	25 - 400	25 - 400	25 - 400	25 - 400	-	25 - 400	25 - 400	●	5,200	6,700	-	-
	216667/M-1	AD400-6		wide	●	●	60	700	●	-	-	25 - 400	-	25 - 400	-	25 - 400	25 - 400	25 - 400	25 - 400	25 - 400	-	25 - 400	25 - 400	-	4,800	9,800	Li-Ion 18V 1,5 Ah	6
	216669/M-1	SDE240-6		wide	●	●	60	700	●	-	-	6 - 240	-	6 - 240	-	6 - 240	6 - 240	6 - 240	6 - 240	6 - 240	-	6 - 240	6 - 240	-	2,900	7,900	Li-Ion 18V 1,5 Ah	5

12 tonne pressing tools

Tool	Article No.	Type	Insert range	Pressing width	Sensor techno-logy	Pressing force kN	Working pressure in bar	Head can be opened	Quick coupling	HUB/ opening mm	Pressing range for cable lugs						Pressing range for connectors						Groove pressing	Dual piston pump	kg	Set kg	Battery	Pressing time in sec.
											Cu	Cu DIN	F-Type	Al DIN	CU standard PL	CU standard light T	Cu	Cu DIN	F-Type	Al DIN	Cu standard PL	Cu standard light M						
	216004	KC25-12	400 C12	wide	-	120	700	-	●	25	10 - 400	10 - 300	10 - 300	16 - 240	10 - 400	10 - 300	10 - 185	10 - 150	10 - 150	16 - 120	10 - 185	10 - 150	-	-	3,600	4,600	-	-
	216124	HC25-12	400 C12	wide	-	120	700	-	-	25	10 - 400	10 - 300	10 - 300	16 - 240	10 - 400	10 - 300	10 - 185	10 - 150	10 - 150	16 - 120	10 - 185	10 - 150	-	●	6,200	7,700	-	-
	216601	AC25-12	400 C12	wide	●	120	700	-	-	25	10 - 400	10 - 300	10 - 300	16 - 240	10 - 400	10 - 300	10 - 185	10 - 150	10 - 150	16 - 120	10 - 185	10 - 150	-	●	7,000	12,000	Li-Ion 18V 1,5 Ah	6
	216005	KC42-12	400 C12	wide	-	120	700	-	●	42	10 - 400	10 - 300	10 - 300	16 - 240	10 - 400	10 - 300	10 - 400	10 - 300	10-300	16 - 240	10 - 400	10 - 300	-	-	5,300	6,300	-	-
	216125	HC42-12	400 C12	wide	-	120	700	-	-	42	10 - 400	10 - 300	10 - 300	16 - 240	10 - 400	10 - 300	10 - 400	10 - 300	10-300	16 - 240	10 - 400	10 - 300	-	●	8,200	9,700	-	-
	216622	AC42-12	400 C12	wide	●	120	700	-	-	42	10 - 400	10 - 300	10 - 300	16 - 240	10 - 400	10 - 300	10 - 400	10 - 300	10-300	16 - 240	10 - 400	10 - 300	-	●	8,500	13.000	Li-Ion 18V 1,5 Ah	7
	215980	KH-12	400 C12	wide	-	120	700	●	●	20	10 - 400	10 - 300	10 - 300	16 - 240	10 - 400	10 - 300	10 - 400	10 - 300	10-300	16 - 240	10 - 400	10 - 300	●	-	4,000	5,000	-	-
	215946	HH-12	400 C12	wide	-	120	700	●	-	20	10 - 400	10 - 300	10 - 300	16 - 240	10 - 400	10 - 300	10 - 400	10 - 300	10-300	16 - 240	10 - 400	10 - 300	●	●	6,000	7,500	-	-
	216503	AH-12	400 C12	wide	●	120	700	●	-	20	10 - 400	10 - 300	10 - 300	16 - 240	10 - 400	10 - 300	10 - 400	10 - 300	10-300	16 - 240	10 - 400	10 - 300	●	●	7,000	12,000	Li-Ion 18V 1,5 Ah	6
	216236	KH-25	630 - H250	wide	-	250	700	●	●	20	-	95 - 630	-	70 - 500	-	-	-	95 - 630	-	70 - 500	-	-	-	-	6,400	9,000	-	-
	216355	KH-45	1000 - H450	wide	-	450	700	●	●	-	120 - 625	120 - 1000	-	95 - 300	120 - 625	-	120 - 625	120 - 1000	-	120 - 625	-	-	-	-	10,300	13,500	-	-

Series of dies

							DIN 46234		light T/M	standard	F-Type	DIN CU	Ni	Al DIN	PL Al standard	Al/Cu DIN	Al/Cu standard
M210		0,5 - 6	0,5 - 35	RG58 RG59 RG62 RG6	0,5 - 6	✓	1 - 10	-	-	-	-	-	-	-	-	-	-
185-H6		-	-	-	-	-	-	-	-	-	-	10 - 185	-	16 - 150	10 - 240	-	-
240-H6		-	on request	-	-	-	on request	on request	-	10 - 240	-	10 - 240	-	10 - 185	10 - 240	10 - 185	-
300-06		-	6 - 185	-	-	-	10 - 150	on request	6 - 300	6 - 300	6 - 300	6 - 300	on request	16 - 240	10 - 300	16 - 240	-
400-C12		-	50 - 150	-	-	-	10 - 300	10 - 150	10 - 300	10 - 300	10 - 185	10 - 300	on request	16 - 240	10 - 400	16 - 240	-
400-C12		-	50 - 150	-	-	-	10 - 300	10 - 150	10 - 300	10 - 300	10 - 185	10 - 300	on request	16 - 240	10 - 400	16 - 240	-
400-C12 TN218		-	50 - 150	-	-	-	10 - 300	10 - 150	10 - 300	10 - 300	10 - 185	10 - 300	on request	16 - 240	10 - 400	16 - 240	35 - 240 TN 218
630-H250		-	-	-	-	-	-	-	-	-	-	70 - 630	-	95 - 500	-	95 - 500	-
1000-H450		-	-	-	-	-	-	-	-	-	-	120 - 1000	-	95 - 300	-	95 - 300	-

Hydraulic punching tools

haupa®

... convincing solutions

Hydraulic punching tools

Hydraulic hand-punching tool „HS-8“

Punches precise holes with almost no burring. Ideal for fast, frontal punching of control panels.
Extent of supply: 1 hydraulic hand punch, 1 connecting rod 3/8-24 UNF (article no. 217660), 1 connecting rod 3/4-16 UNF (article no. 217662), 1 adapter (article no. 217664), 1 spacer bushing (article no. 217666), 1 transport case.

- Punching performance: Steel sheet of up to a maximum of 3 mm
- Pressing force: 80 kN
- Length: 308 mm
- Weight: 2,4 kg
- Weight Set: 3,8 kg

80 kN

Art. no.	kg	PU
217604	3,800	1

Hydraulic hand-punch-cutter „HS-6“

Punches accurate slugs nearly free of burs. Usable for building and maintaining control boxes, for car retrofitting and for sanitary application.
Extent of supply: 1 hydraulic punching tool, 1 rod 3/8-24 UNF (art. 217660), 1 rod 3/4-16 UNF (art. 217662), 1 adapter (art. 217664), 1 sleeve (art. 217666), 1 plastic case with insert.

- Punching capacity: Steel plates up to max. 3 mm
- Pressing force: 60 kN
- Length: 230 mm
- Weight: 2,4 kg
- Weight Set: 3,8 kg

60 kN

Art. no.	kg	PU
217602	3,800	1

The corresponding punching head "U-S-6" (art. no. 216764) and adapter for pumps (art. nr. 216765) can be found on P. 59.

Punching dies, metric

- ST37, 3 mm

Art. no.	Ø		Connecting rod	kg	PU
217610	16,5	ISO 16	217660	0,070	1
217612	20,5	ISO 20	217660	0,090	1
217614	25,5	ISO 25	217660	0,150	1
217616	32,5	ISO 32	217660	0,220	1
217618	40,5	ISO 40	217662	0,900	1
217620	50,5	ISO 50	217662	0,640	1
217622	63,5	ISO 63	217662	0,950	1

Punching dies, PG

- ST37, 3 mm

Art. no.	Ø		Connecting rod	kg	PU
217630	15,2	PG9	217660	0,060	1
217632	18,6	PG11	217660	0,084	1
217634	20,4	PG13,5	217660	0,091	1
217636	22,5	PG16	217660	0,120	1
217638	28,3	PG21	217660	0,170	1
217640	37	PG29	217662	0,330	1
217642	47	PG36	217662	0,536	1
217644	54	PG42	217662	0,731	1
217646	60	PG48	217662	0,896	1

Punching dies, square

- ST37, 2,5 mm
- UNF

Art. no.	width/height	kg	PU
217650	46	1,862	1
217652	68	1,500	1
217654	92	2,000	1

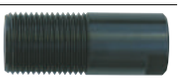
Connecting rod

Art. 217660 - 3/8-24 UNF
Art. 217662 - 3/4-16 UNF

Art. no.		kg	PU
217660	1	0,040	1
217662	2	0,203	1

Adapter

for connecting rod art. 217660
- UNF



Art. no.	kg	PU
217664	0,100	1

Spacer bushing

Art. no.	kg	PU
217666	0,100	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Punch and bending centre

Basic unit

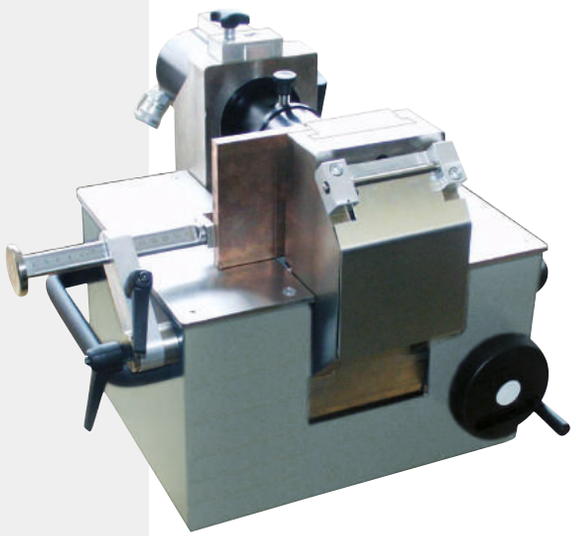
Basic unit to accommodate bending, hole-making, cutting and cranking tools. The processing of lamellar copper rails is possible! Hydraulic tool for connection to a hydraulic pump with 700 bar (10,000 PSI).
The universal tool system is particularly suited for use in workshops and on building sites. Copper and aluminium rails can be processed up to dimension of 12 x 120 mm. The changing of the individual tools is carried out in seconds thanks to the user-friendly construction. The compact construction and light weight enable transportation in any car.

Bending:
Thanks to an integrated proximity switch a 100% repeat accuracy is achieved. The maximum bending angle is 110°.

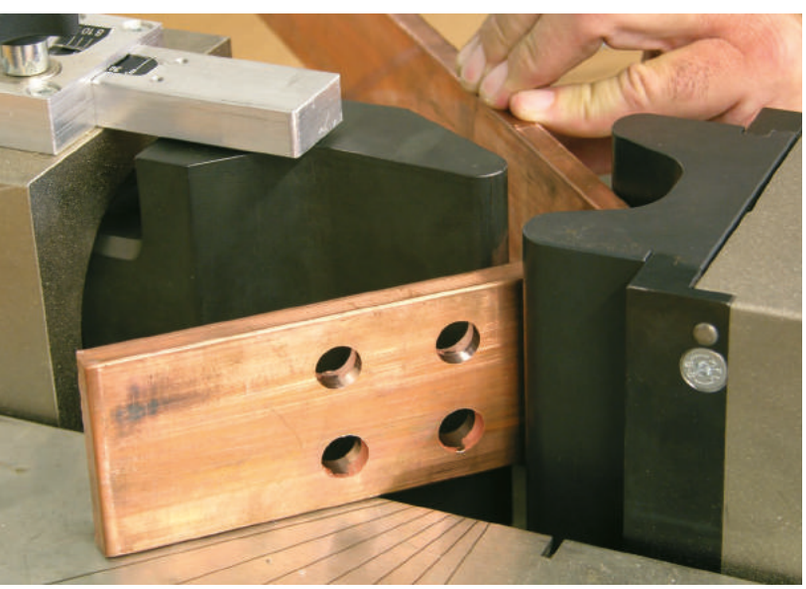
Hole-making:
The height-adjustable table with side stopper makes working easier. Marking out and measuring is not necessary. Holes from 6.5 to 21.0 mm in diameter can be punched. Slotted holes up to 14 x 20 mm. With the hole tool II holes can be made in lamellar copper rails and grounding bands.

Cutting:
Our cutting blade geometry enables clean and burr-free cutting.

Cranking:
The offsetting (stepped bending) by a material thickness is carried out in a single process.



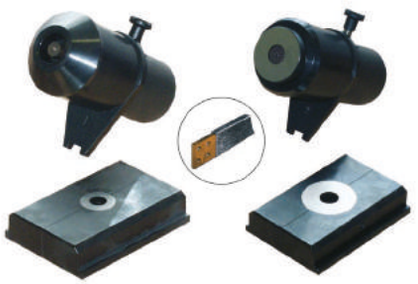
Art. no.	kg	PU
216770	51,000	1



Hole-making tools

For punching round and slotted holes.
- Maximum material thickness: 12 mm
- Maximum diameter: 21 mm
- Maximum slotted hole: 17 x 20 mm

216776:
Hole tool for solid copper and aluminium rails
216777:
Hole-making tool for solid copper and aluminium rails as well as for laminated copper rails and grounding bands



Art. no.	kg	PU
216776	4,300	1
216777	4,300	1

Hole inserts for round holes

For both hole-making tools, the following diameters can be supplied

Art. no.	Ø		kg	PU
216778	6,5	M6 > 216776	0,118	1
216778/L	6,5	M6 > 216777	0,421	1
216779	9,0	M8 > 216776	0,114	1
216779/L	9,0	M8 > 216777	0,420	1
216780	10,5	M8 > 216776	0,110	1
216780/L	10,5	M8 > 216777	0,419	1
216781	11,0	M10 > 216776	0,106	1
216781/L	11,0	M10 > 216777	0,418	1
216782	12,7	M10 > 216776	0,102	1
216782/L	12,7	M10 > 216777	0,416	1
216783	13,0	M12 > 216776	0,098	1
216783/L	13,0	M12 > 216777	0,414	1
216784	17,0	M16 > 216776	0,094	1
216784/L	17,0	M16 > 216777	0,412	1
216785	21,0	M20 > 216776	0,090	1
216785/L	21,0	M20 > 216777	0,411	1

Hole inserts for slotted holes

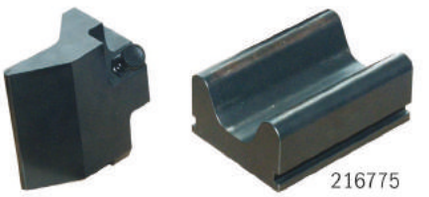
For both hole-making tools, the following diameters can be supplied

Art. no.	Ø		kg	PU
216786	9 x 18	M8 > 216776	0,098	1
216786/L	9 x 18	M8 > 216777	0,423	1
216787	11 x 20	M10 > 216776	0,095	1
216787/L	11 x 20	M10 > 216777	0,421	1
216788	13 x 20	M12 > 216776	0,092	1
216788/L	13 x 20	M12 > 216777	0,419	1
216789	17 x 20	M16 > 216776	0,089	1
216789/L	17 x 20	M16 > 216777	0,417	1

haupa®
... convincing solutions

Bending tool

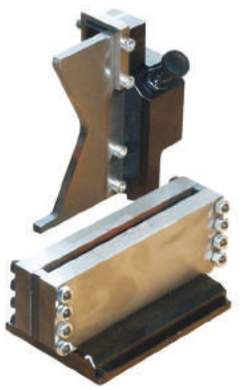
for bending of solid copper or aluminium rails up to 12 x 120 mm. The bending matrix suits all bending radii



Art. no.			kg	PU
216772	8		4,100	1
216775		universal (counterholder)	3,200	1

Cutting tool

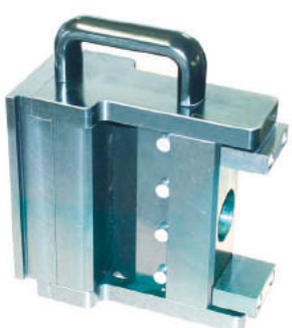
for separating solid copper and aluminium rails up to 12 x 120 mm



Art. no.	mm	kg	PU
216790	12 x 120	5,500	1

Cutting tool for lamellar rails

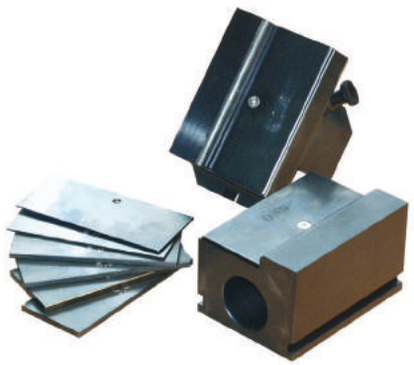
for separating lamellar rails made from copper, maximum dimensions: 12 x 120 mm



Art. no.	mm	kg	PU
216791	12 x 120	9,000	1

Cranking tool for stepped bending of power rails

for creating a material offset in rail thicknesses on a length of just 30 mm. Possible offset 5, 6, 8, 10 and 12 mm



Art. no.	kg	PU
216792	10,000	1

Tool cases

stable metal sheet case for accommodation of hole-making tool with inserts (1) or two tools (2)

Art. no.	numbers	kg	PU
216793	1	2,000	1
216794	2	2,000	1

Electro-hydraulic pump „Special“

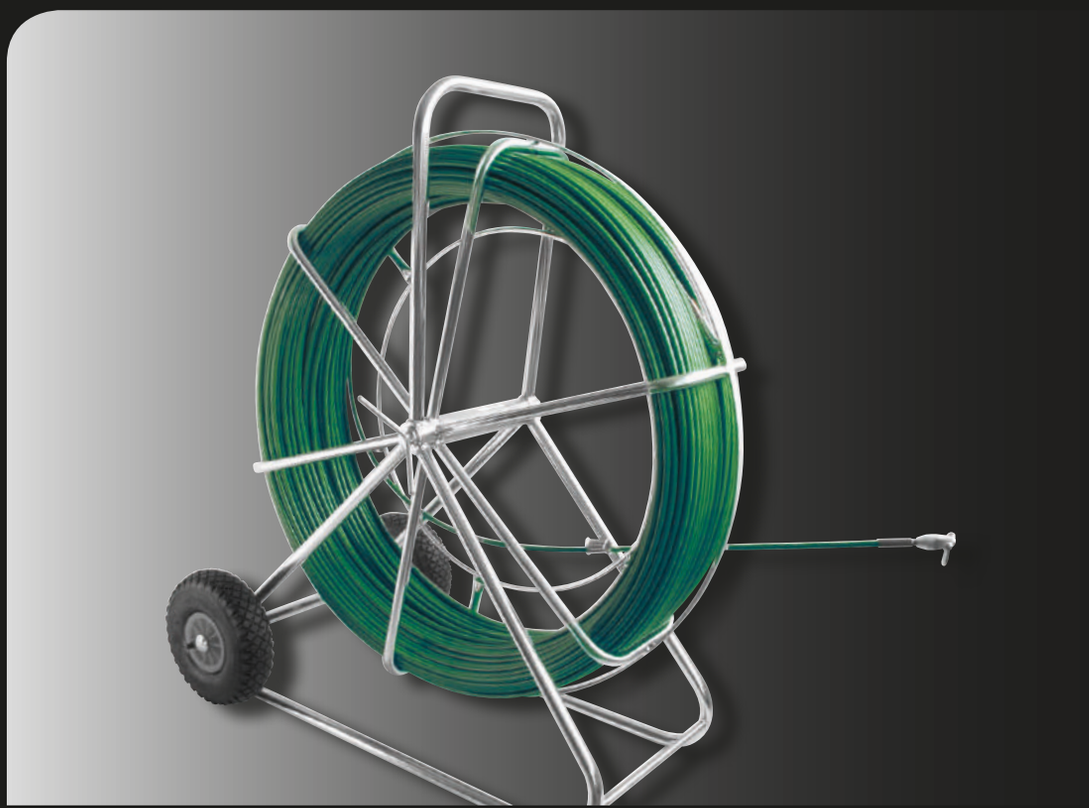
electric foot switch, completely self-acting, also the release of the dies at the end of the operation, 2 m high pressure tube and hydraulic connectors, for industrial uses, where a high level of production is needed, 230 volt, with foot switch control, pump for working outside

Art. no.		kg	PU
216359	230V	22,000	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Fish tapes
Cable pulling device system

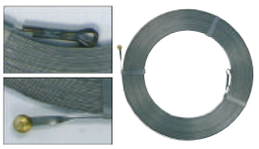


haupa®
... convincing solutions

Fish tapes

Steel fish tapes

with eyelet and brass rolling ball, without additional pilot spring



Art. no.	TL	Ø	kg/100	PU	PE
150152	10	3,5	13,100	1	1
150154	15	3,5	20,800	1	1
150156	20	3,5	26,800	1	1
150158	25	3,5	32,300	1	1

Spiral fish tapes

made from steel spirals, fourfold twisted, with solid steel end pieces, strip size 4 mm

Art. no.	TL	Ø	kg/100	PU	PE
150200	5	4	31,200	1	1
150202	10	4	69,100	1	1
150204	15	4	98,800	1	1
150206	20	4	134,300	1	1
150208	25	4	182,000	1	1
150210	30	4	185,900	1	1

Perlon fish tapes

made from stretched „Bayer-Perlon wire“, black, with solid steel end pieces, with additional pilot spring, approx. 120 mm length

Art. no.	TL	Ø	kg/100	PU	PE
150220 ✷	5	3	6,000	1	1
150222 ✷	10	3	10,300	1	1
150224 ✷	15	3	14,100	1	1
150226 ✷	20	3	18,800	1	1
150228	25	3	24,600	1	1
150230	30	3	24,400	1	1
150241 ✷	10	4	16,000	1	1
150243 ✷	15	4	23,400	1	1
150245 ✷	20	4	30,300	1	1
150247 ✷	25	4	38,600	1	1

Perlon fish tapes

made from stretched „Bayer-Perlon wire“, black, with solid steel end pieces, without additional pilot spring, strip size 4 mm

Art. no.	TL	Ø	kg/100	PU	PE
150232	10	4	15,200	1	1
150234	15	4	23,600	1	1
150236	20	4	30,300	1	1
150238	25	4	40,200	1	1
150239	30	4	44,500	1	1

Perlon fish tapes

made from stretched „Bayer-Perlon wire“, black, with solid steel end pieces, with 2 eyes, strip size 3 mm

Art. no.	TL	Ø	kg/100	PU	PE
150450	5	3	4,800	1	1
150452	10	3	9,900	1	1
150454	15	3	13,900	1	1
150456	20	3	16,300	1	1
150458	25	3	21,800	1	1
150462	5	4	8,000	1	1
150464	10	4	15,800	1	1
150466	15	4	24,000	1	1
150468	20	4	29,200	1	1
150470	25	4	38,900	1	1

Perlon fish tapes

made from stretched „Bayer-Perlon wire“, black, with solid steel end pieces, with 2 spring and 2 eyes, strip size 4 mm

Art. no.	TL	Ø	kg/100	PU	PE
150476	10	4	18,000	1	1
150478	15	4	26,000	1	1
150480	20	4	33,200	1	1
150482	25	4	41,200	1	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

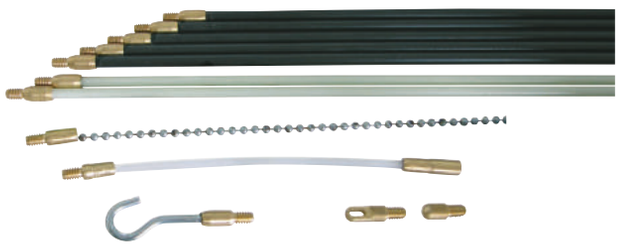
Fibreglas section fish rods kits

Fibre glass push rod set

in nylon bag.

Scope of delivery:
Push rod length: 7 m
5 rods 8 mm Ø black
2 rods 8 mm Ø white

Accessories:
1 hook, 1 chain, 1 magnet, 1 starting block, 1 pulling knob



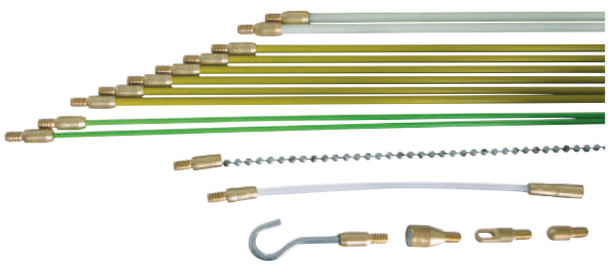
Art. no.	TL		kg	PU
150560	7	12 pcs.	0,500	1

Fibre glass push rod set

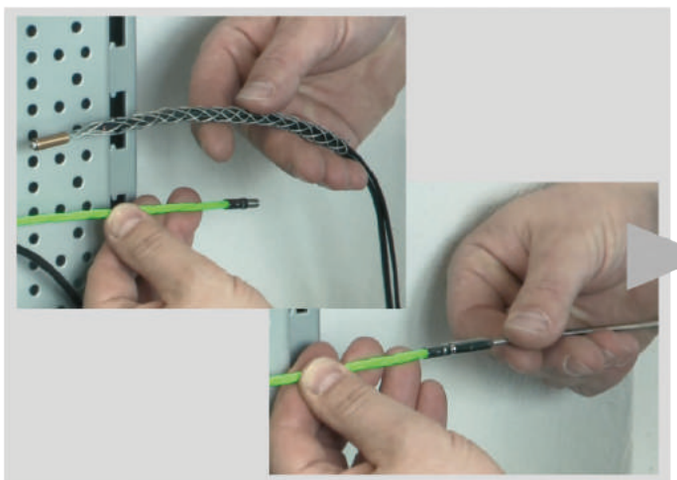
in nylon bag.

Scope of delivery:
Push rod length: 10 m
2 rods 6 mm Ø white
6 rods 5 mm Ø yellow
2 rods 4 mm Ø green

Accessories:
1 hook, 1 chain, 1 magnet, 1 starting block, 1 pulling knob, 1 LED lamp



Art. no.	TL		kg	PU
150562	10	16 pcs.	0,700	1



HAUPA PullTec

Cable pulling device HAUPA PullTec

with special plastic coating, M5 thread and probe, in durable plastic housing, colour: black
„Single Composite“, 4 mm green

The advantages of the HAUPA PullTec at a glance:
- Material: Coated with a special plastic
- Slides very well and is highly elastic
- Low friction • Does not break or bend
- M5 thread • With probe
- In durable plastic housing • Breaking load: 300 kg

Art. no.	TL		Ø		kg	PU
143500	20	M5	4		1,300	1
143502	30	M5	4		1,500	1
143501	20	M5	4	replacement rod	1,000	1
143503	30	M5	4	replacement rod	1,200	1
143508		M5	6	guiding head	0,200	1

Cable pulling device HAUPA PullTec

with special plastic coating, M5 thread and probe, in durable plastic housing, colour: black
„Single Composite“, 5,2 mm black

The advantages of the HAUPA PullTec at a glance:
- Material: Coated with a special plastic
- Slides very well and is highly elastic
- Low friction • Does not break or bend
- M5 thread • With probe
- In durable plastic housing • Breaking load: 350 kg

Art. no.	TL		Ø		kg	PU
143504	20	M5	5,2		1,500	1
143506	30	M5	5,2		1,700	1
143505	20	M5	5,2	replacement rod	1,100	1
143507	30	M5	5,2	replacement rod	1,300	1
143509		M5	6	guiding head	0,200	1

Additional accessories, see HAUPA fibre, page 88

haupa®
... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Cable pulling device, accessories

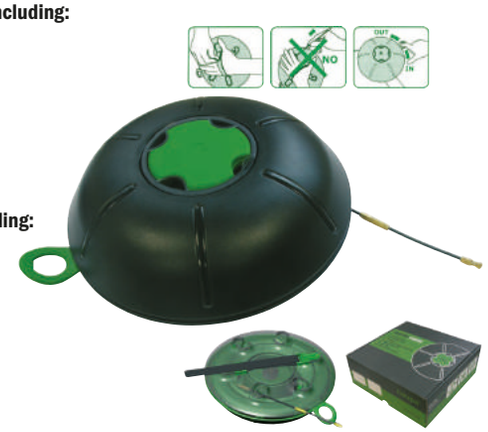
Cable pulling device HAUPA-FIBRE

Cable pulling device with glass fibre rod Ø 3 mm, with PP casing, including front/end sleeve M5, 143010, 143024.

143000/143002 including:
143008 (2x)
143016 (2x)
143018 (2x)
143012
143014
143020
143026

143002/ECO including:
143008 (1x)

Video 143000



Art. no.	TL		Ø		kg	PU
143000	20	M5	3	HAUPA-FIBRE 20 m	1,199	1
143002	30	M5	3	HAUPA-FIBRE 30 m	1,500	1
143002/ECO	30	M5	3	HAUPA-FIBRE 30 m	1,198	1

Pulling unit with loop M5

Art. no.		Ø	kg	PU
143008	M5	6	0,020	1

Guiding head with loop M5

Art. no.		Ø	kg	PU
143010	M5	6	0,200	1

Guiding head M5

Art. no.		Ø	kg	PU
143012	M5	7	0,010	1

Guiding head M5

Art. no.		Ø	kg	PU
143014	M5	10	0,011	1

Guiding head Ø 13 mm M5

Art. no.		Ø	kg	PU
143030	M5	13	0,017	1

Front/end sleeve M5

Art. no.		kg	PU
143016	M5	0,005	1

Connection sleeve for probes Ø 3 mm

Art. no.		Ø	kg	PU
143018	M5	3	0,003	1

Cable grips

Art. no.	TL		Ø	kg	PU
143020	200	M5	4-6	0,007	1

Special pulling aid

for fast pulling of glass fibre rods Ø 3 mm

Art. no.	Ø	kg	PU
143024	3 - 6	0,047	1

Special fast glue for glass fibre rod Ø 3 mm

Art. no.	kg	PU
143026	0,012	1

Replacement glass fibre rod

Ø 3 mm, length 20/30 m, including front/end sleeve M5

Art. no.	TL	Ø	kg	PU
143004	20	3	0,022	1
143006	30	3	0,034	1

Service set for HAUPA-FIBRE

5 front sleeves, 5 guiding heads,
3 connection sleeves, 1 special fast glue

Art. no.		kg	PU
143028	M5	0,041	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Cable pulling device, accessories

Cable pulling device FOX

Cable pulling device FOX with glass fibre rod Ø 4.5 mm and green PP coating RAL 6018, with zinced steel winder Ø 330 mm, standing version, complete with front/end sleeve M5 and pulling head M5 with loop

Art. no.	TL		Ø	kg	PU
143050	40	M5	4,5	3,900	1
143052	60	M5	4,5	4,400	1
143054	80	M5	4,5	4,800	1

Replacement glass fibre rod FOX

Ø 4.5 mm, complete with front/end sleeve M5

Art. no.	TL		Ø	kg	PU
143056	40	M5	4,5	0,900	1
143058	60	M5	4,5	1,400	1
143060	80	M5	4,5	1,800	1

Guiding head with loop M5

Art. no.		kg	PU
143062	M5	0,011	1

Front bulb with shackle M5

Art. no.		kg	PU
143064	M5	0,100	1

Guiding role made from aluminium M5

Art. no.		kg	PU
143066	M5	0,100	1

Guiding head M5

Art. no.		Ø	kg	PU
143012	M5	7	0,010	1
143014	M5	10	0,011	1
143030	M5	13	0,017	1

Guiding head set with heads Ø 7, 10, 13 mm M5

Art. no.			kg	PU
143068	M5	3-pieces	0,038	1

Front/end sleeve M5

Art. no.		kg	PU
143070	M5	0,100	1

Connection sleeve for probes Ø 4.5 mm

Art. no.	Ø	kg	PU
143072	4,5	0,002	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Cable pulling device, accessories

Cable pulling device SIX

Cable pulling device SIX with glass fibre rod Ø 6.0 mm and green PP coating RAL 6018, with zinced steel winder Ø 550 mm, in lying and standing version with wheels, complete with front/end sleeve M6 and pulling head M6 with loop

lying version

Art. no.	TL		Ø	kg	PU
143100	40	M6	6	5,200	1
143102	60	M6	6	5,900	1
143104	80	M6	6	6,800	1
143105	100	M6	6	7,700	1

standing version

Art. no.	TL		Ø	kg	PU
143106	40	M6	6	7,200	1
143108	60	M6	6	8,300	1
143110	80	M6	6	9,400	1
143111	100	M6	6	10,300	1

standing version with wheels

Art. no.	TL		Ø	kg	PU
143112	40	M6	6	7,400	1
143114	60	M6	6	8,500	1
143116	80	M6	6	9,600	1
143117	100	M6	6	10,500	1

Replacement glass fibre rod SIX

Ø 6 mm, including front/end sleeve M5

Art. no.	TL		Ø	kg	PU
143118	40	M6	6	1,700	1
143120	60	M6	6	2,500	1
143122	80	M6	6	3,250	1
143124	100	M6	6	4,150	1

Guiding head with loop M6

Art. no.		Ø	kg	PU
143126	M6	6	0,018	1

Front bulb with shackle M6

Art. no.		Ø	kg	PU
143128	M6	6	0,022	1

Guiding role made from aluminium M6

Art. no.		Ø	kg	PU
143130	M6	6	0,026	1

Guiding head M6

Art. no.		Ø	kg	PU
143132	M6	6	0,017	1

Front/end sleeve M6

Art. no.		Ø	kg	PU
143134	M6	6	0,013	1

Connection shackle for probes Ø 6 mm

Art. no.	Ø	kg	PU
143136	6	0,012	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Cable pulling device, accessories

Cable pulling device FIX

Cable pulling device FIX with glass fibre rod Ø 7.5 mm ad green PP coating RAL 6018, with zinced steel winder Ø 630 mm, in standing version and with wheels, including front/end sleeve M12 and front bulb with shackle M12

standing version

Art. no.	TL		Ø	kg	PU
143150	40	M12	7,5	8,100	1
143152	60	M12	7,5	9,400	1
143154	80	M12	7,5	10,700	1
143156	100	M12	7,5	11,900	1
143158	120	M12	7,5	13,100	1

standing version with wheels

Art. no.	TL		Ø	kg	PU
143160	40	M12	7,5	9,100	1
143162	60	M12	7,5	10,400	1
143164	80	M12	7,5	11,700	1
143166	100	M12	7,5	12,900	1
143168	120	M12	7,5	14,100	1

Replacement glass fibre rod FIX

Ø 7.5 mm, including front/end sleeve M12

Art. no.	TL		Ø	kg	PU
143170	40	M12	7,5	1,500	1
143172	60	M12	7,5	2,000	1
143174	80	M12	7,5	3,000	1
143176	100	M12	7,5	3,700	1
143178	120	M12	7,5	4,500	1

Front bulb with shackle M12

Art. no.		kg	PU
143180	M12	0,010	1

Guiding role made from aluminium M12

Art. no.		kg	PU
143182	M12	0,200	1

Guiding role made from aluminium, length 80 mm M12

Art. no.		Ø	kg	PU
143184	M12	40	0,220	1

Front/end sleeve M12

Art. no.		Ø	kg	PU
143186	M12	7,5	0,004	1

Connection sleeve for probes Ø 9 + 11 mm

Art. no.	Ø	kg	PU
143187	7,5	0,003	1

Connection sleeve with rotator

Art. no.	TL		Ø	kg	PU
143190	83	M12	30	0,006	1

Pipe cleaning brush

Art. no.	Ø	kg	PU
143200	80 mm	0,200	1
143202	97 mm	0,098	1
143204	117 mm	0,400	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Cable pulling device, accessories

Cable pulling device STRONG

Cable pulling device STRONG with glass fibre rid Ø 9 mm and green PP coating RAL 6018, with zinced steel winder Ø 795 mm (1000 with wheels), in standing version and with wheels, including front/end sleeve M12 and front bulbs with shackle M12

standing version

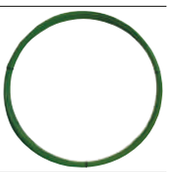
Art. no.	TL		Ø	kg	PU
143210	40	M12	9	9,100	1
143212	60	M12	9	12,900	1
143214	80	M12	9	14,820	1

standing version with wheels

Art. no.	TL		Ø	kg	PU
143216	100	M12	9	29,400	1
143218	120	M12	9	31,300	1
143220	150	M12	9	33,900	1

Replacement glass fibre rod STRONG

Ø 9 mm, including front/end sleeve M12



Art. no.	TL		Ø	kg	PU
143222	40	M12	9	3,800	1
143224	60	M12	9	5,500	1
143226	80	M12	9	7,500	1
143228	100	M12	9	9,400	1
143230	120	M12	9	11,300	1
143232	150	M12	9	13,900	1

Cable pulling device POWER

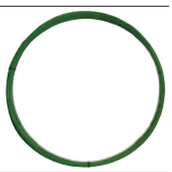
Cable pulling device POWER with glass fibre rod Ø 11 mm and green PP coating RAL 6018, with zinced steel winder Ø 1000 mm, width 150 mm, standing version with wheels, including front/end sleeve M12 and front bulb with shackle M12

standing version with wheels

Art. no.	TL		Ø	kg	PU
143250	150	M12	11	43,000	1
143252	200	M12	11	50,000	1
143254	250	M12	11	56,500	1
143256	300	M12	11	64,500	1

Replacement glass fibre rod POWER

Ø 9 mm, including front/end sleeve M12



Art. no.	TL		Ø	kg	PU
143258	150	M12	11	21,900	1
143260	200	M12	11	29,200	1
143262	250	M12	11	36,400	1
143264	300	M12	11	43,900	1

Cable pulling device KING

Cable pulling device KING with glass fibre rod Ø 14.5 mm and black PP coating, with steel winder Ø 1500 mm with wheels, including front/end sleeve M12 and front bulb with shackle M12

standing version with wheels

Art. no.	TL		Ø	kg	PU
143270	150	M12	14,5	85,000	1
143272	200	M12	14,5	99,000	1
143274	250	M12	14,5	113,000	1
143276	300	M12	14,5	127,000	1
143278	350	M12	14,5	141,000	1
143280	400	M12	14,5	156,000	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Cable pulling device, accessories

Front bulb with shackle M12

Art. no.		kg	PU
143180	M12	0,010	1

Guiding role made from aluminium M12

Art. no.		kg	PU
143182	M12	0,200	1

Guiding role made from aluminium, length 80 mm M12

Art. no.		Ø	kg	PU
143184	M12	40	0,220	1

Front/end sleeve M12

Art. no.		Ø	kg	PU
143185	M12	11	0,004	1

Connection sleeve for probes

Art. no.	Ø	kg	PU
143188	9	0,150	1
143266	11	0,075	1

Connection sleeve with rotator

Art. no.	TL		Ø	kg	PU
143190	83	M12	30	0,006	1

Pipe cleaning brush

Art. no.	Ø	kg	PU
143200	80 mm	0,200	1
143202	97 mm	0,098	1
143204	117 mm	0,400	1

Cable grips for electrical installations

Hand-braided cable grips made from zinced steel braid with a flexible Towing ring with front unit M5 and integrally moulded Talurit ferrule

Art. no.	TL		Ø	kg	PU
143300	200	M5	4-6	0,009	1
143302	210	M5	6-9	0,013	1
143304	350	M5	9-12	0,024	1
143306	350	M5	12-15	0,029	1
143308	500	M5	15-19	0,200	1
143310	500	M5	19-25	0,052	1
143312	450	M5	25-31	0,400	1

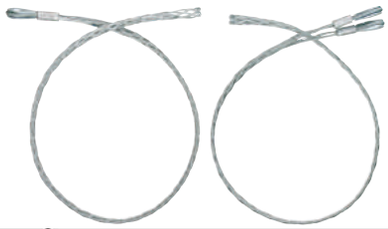
Cord und cable grips

Art. no.	TL	Ø	kg	PU
143336	2000	8-16	0,250	1
143338	2000	10-20	0,250	1
143340	2000	20-30	0,250	1
143342	2000	30-40	0,250	1

Cable grips for subterraneous cable laying

Hand-braided cable grips made from zinced steel braid with 1 loop or 2 loops and integrally moulded Talurit ferrule.

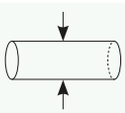
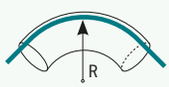
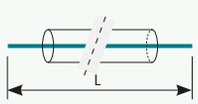
Cable stocking with 2 loops enables, both the pulling of cables and the tightening of cables by way of relocating the stocking on the pulled cable.



Art. no.	TL	Ø	○	kg	PU
143314	1250	10-20	1	0,378	1
143318	1250	20-30	1	0,380	1
143322	1250	30-40	1	0,424	1
143326	1250	40-50	1	0,430	1
143330	1250	50-65	1	0,388	1
143334	1250	65-80	1	1,120	1

Art. no.	TL	Ø	○	kg	PU
143316	1250	10-20	2	0,465	1
143320	1250	20-30	2	0,460	1
143324	1250	30-40	2	0,510	1
143328	1250	40-50	2	0,200	1
143332	1250	50-65	2	0,520	1

Legend cable pulling device

Rod diameter	Pipe diameter	Pushing energy	Min. bending radius	Breaking strength	Pulling strength with starting/ ending	Advised length	
ø mm	ø mm	kg	mm	kg	kg	m	
							page
FIBRE 3,0 mm	16-32	+++	160	400	110	20-30 (+ 2-3 m)	88
PullTec 4,0 mm	16-32	+++	100	300	130	10-30 (+ 3-5 m)	87
PullTec 5,2 mm	20-32	+++	100	350	140	10-40 (+ 3-5 m)	87
FOX 4,5 mm	40-60	+++	310	1200	170	20-40 (+ 3-5 m)	89
SIX 6,0 mm	50-80	++++	400	2000	230	30-60 (+ 3-5 m)	90
FIX 7,5 mm	63-100	++++	500	3200	290	40-70 (+ 3-5 m)	91
STRONG 9,0 mm	63-125	++++	620	4400	340	60-150 (+ 3-5 m)	92
POWER 11,0 mm	63-150	++++	770	6250	500	100-300 (+ 3-5 m)	92
KING 15,0 mm	100-250	++++	1150	15000	550	150-450 (+ 3-5 m)	92
PERLON® 3,0 mm	16	+	80	200	110	5-15 (+ 2-3 m)	86
SPIRAL 4,0 mm	20-32	+	180	115	115	10-25 (+ 3-5 m)	86

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Decoiler

haupa®

... convincing solutions

Decoiler

Decoiler 600

The new HAUPA decoiler have been designed for daily intensive use. The most important characteristics of this product are the ease of operation and the light weight. The side elements are made from galvanised powder-coated steel. The ball bearing drums can be adjusted without the need for specialist tools. Four vibration-damping feet prevent unwanted movement of the roller and protect the floor.

Technical data
Length: 350 mm
Width: 350 mm
Height: 105 mm

Art. no.	drum/width	drum-Ø	drum/kg	kg	PU
143398	330	600	50	3,5	1

Decoiler 1200

The new HAUPA cable decoilers are developed for intensive use. Ease of use and a low weight are fundamental characteristics of this product. The front and the rear sides are made of anodized aluminum with antiskid ribs. For the left and the right side, sink steel with powder coating has been used. Because of this construction, the decoilers are strong, flexible to use, and resistant against heavy circumstances. The roles have bearings and a sliding axis, which make it easy to change the position of the roles without any special tools. Four antiskid buffers ensure that vibrations are subdued and floors remain intact.

Technical data
Length: 610 mm
Width: 570 mm
Height: 115 mm

Art. no.	drum/width	drum-Ø	drum/kg	kg	PU
143400 ✷	560	1200	175	9	1

Decoiler 1200 +

The new HAUPA cable decoilers are developed for intensive use. Ease of use and a low weight are fundamental characteristics of this product. The front and the rear sides are made of anodized aluminum with antiskid ribs. For the left and the right side, sink steel with powder coating has been used. Because of this construction, the decoilers are strong, flexible to use, and resistant against heavy circumstances. The roles have bearings and a sliding axis, which make it easy to change the position of the roles without any special tools. Four antiskid buffers ensure that vibrations are subdued and floors remain intact.

Technical data
Length: 705 mm
Width: 670 mm
Height: 115 mm

Art. no.	drum/width	drum-Ø	drum/kg	kg	PU
143402	660	1200	300	10,5	1

Cable unwinder

Cable unwinder

4 box cable unwinder.

Carton size 240 x 240 mm

Art. no.	drum/width	drum-Ø	drum/kg	kg	PU
143406	600	130	50	5,5	1

Cable unwinder

Length: 400 mm
Width: 400 mm
Height: 390 mm

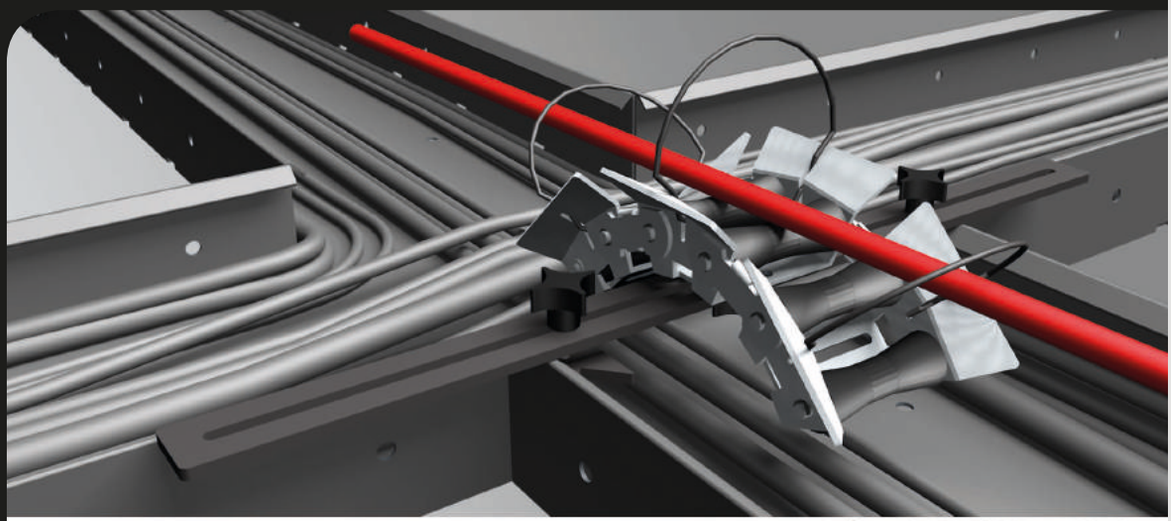
Video 143404

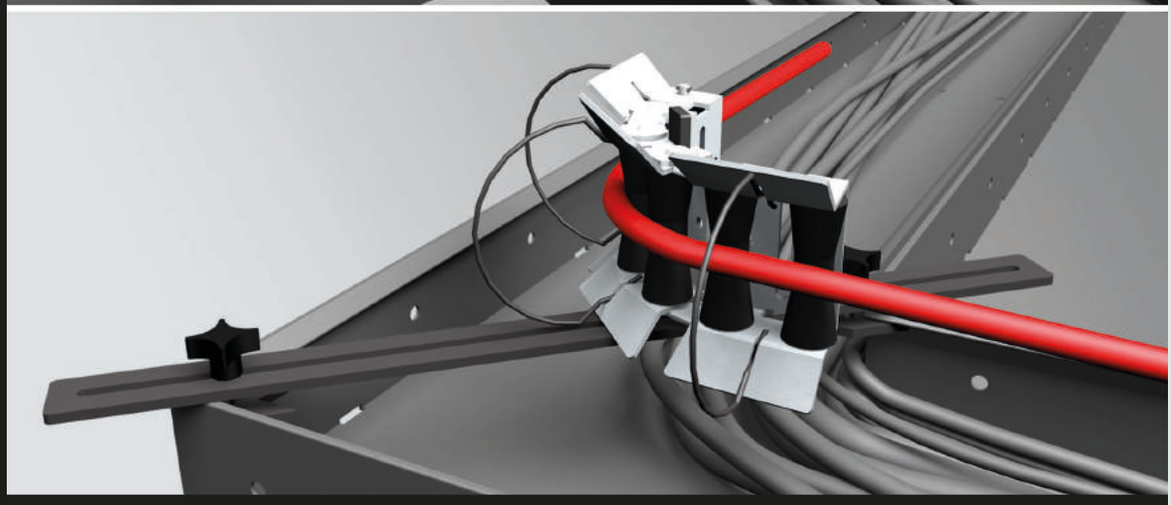
Art. no.	drum-Ø	drum/kg	kg	PU
143404	600	50	8	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

CableGo





haupa®

... convincing solutions

INFO

CableGo

An innovation in the cable pulling device technology

- suitable for all cable pulling devices
- quick and easy, with just one person
- reduced force expenditure
- no damage to cables, thus particularly suitable for cables in the field of data technology (for example, fiber optic cables)

Cable pulling device „CableGo starter“

Content in plastik case:
1 x basic module „CableGo“ + 3 wire brackets
1 x table clamp „CableGo“
1 x mounting bracket „CableGo“

Art. no.		kg	PU
143420	6 pcs.	9,000	1

Cable pulling device „CableGo profi“

PREMIUM

Content in plastik case:
3 x basic module „CableGo“ + 3 wire brackets
3 x table clamp „CableGo“
3 x mounting bracket „CableGo“
1 x connection set and several mounting parts „CableGo“

Video 143422

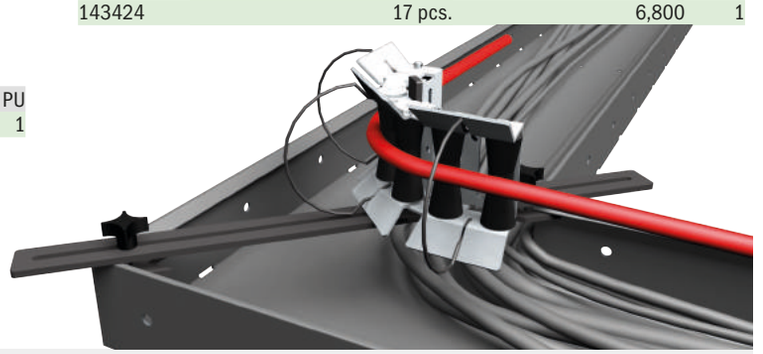
Art. no.		kg	PU
143422	14 pcs.	4,800	1

Cable pulling device „CableGo master“

PREMIUM

Content in plastik case:
5 x basic module „CableGo“ + 3 wire brackets
5 x table clamp „CableGo“
5 x mounting bracket „CableGo“
1 x connection set and several mounting parts „CableGo“

Art. no.		kg	PU
143424	17 pcs.	6,800	1



PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

SysCon CableGo

SysCon cable pulling device „CableGo starter“

Content in SysCon stacking box art. 220372:
1 x basic module „CableGo“ + 3 wire brackets
1 x table clamp „CableGo“
1 x connection set and several mounting parts „CableGo“

Art. no.		kg	PU
143430	6 pcs.	3,700	1

SysCon cable pulling device „CableGo profi“

PREMIUM

Content in SysCon stacking box art. 220372:
3 x basic module „CableGo“ + 3 wire brackets
3 x table clamp „CableGo“
3 x mounting bracket „CableGo“
1 x connection set and several mounting parts „CableGo“

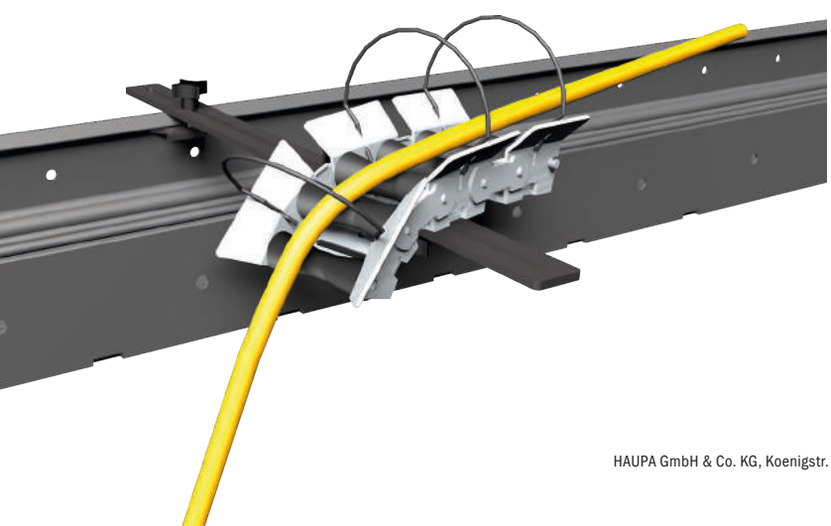
Art. no.		kg	PU
143432	14 pcs.	5,700	1

SysCon cable pulling device „CableGo master“

PREMIUM

Content in SysCon stacking box art. 220372:
5 x basic module „CableGo“ + 3 wire brackets
5 x table clamp „CableGo“
5 x mounting bracket „CableGo“
1 x connection set basic module „CableGo“

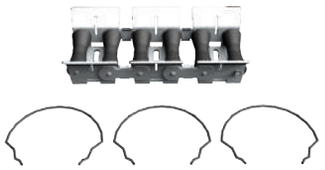
Art. no.		kg	PU
143434	17 pcs.	7,700	1



CableGo, accessories

Basic module „CableGo“ + 3 wire brackets

Basic module for easy cable penetrations in corners and roundings.



Art. no.		kg	PU
143440	4 pcs.	0,500	1

Table clamp „CableGo“

Table clamp for fixing basic modules.

Art. no.		kg	PU
143441	1 pcs.	0,080	1

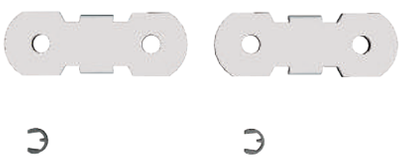
Mounting bracket „CableGo“

Mounting bracket for fixing basic modules.

Art. no.		kg	PU
143442	7 pcs.	0,360	1

Connection set basic module „CableGo“

Connection set for connecting several basic modules.



Art. no.		kg	PU
143443	2 pcs.	0,025	1

Set 3 wire brackets „CableGo“

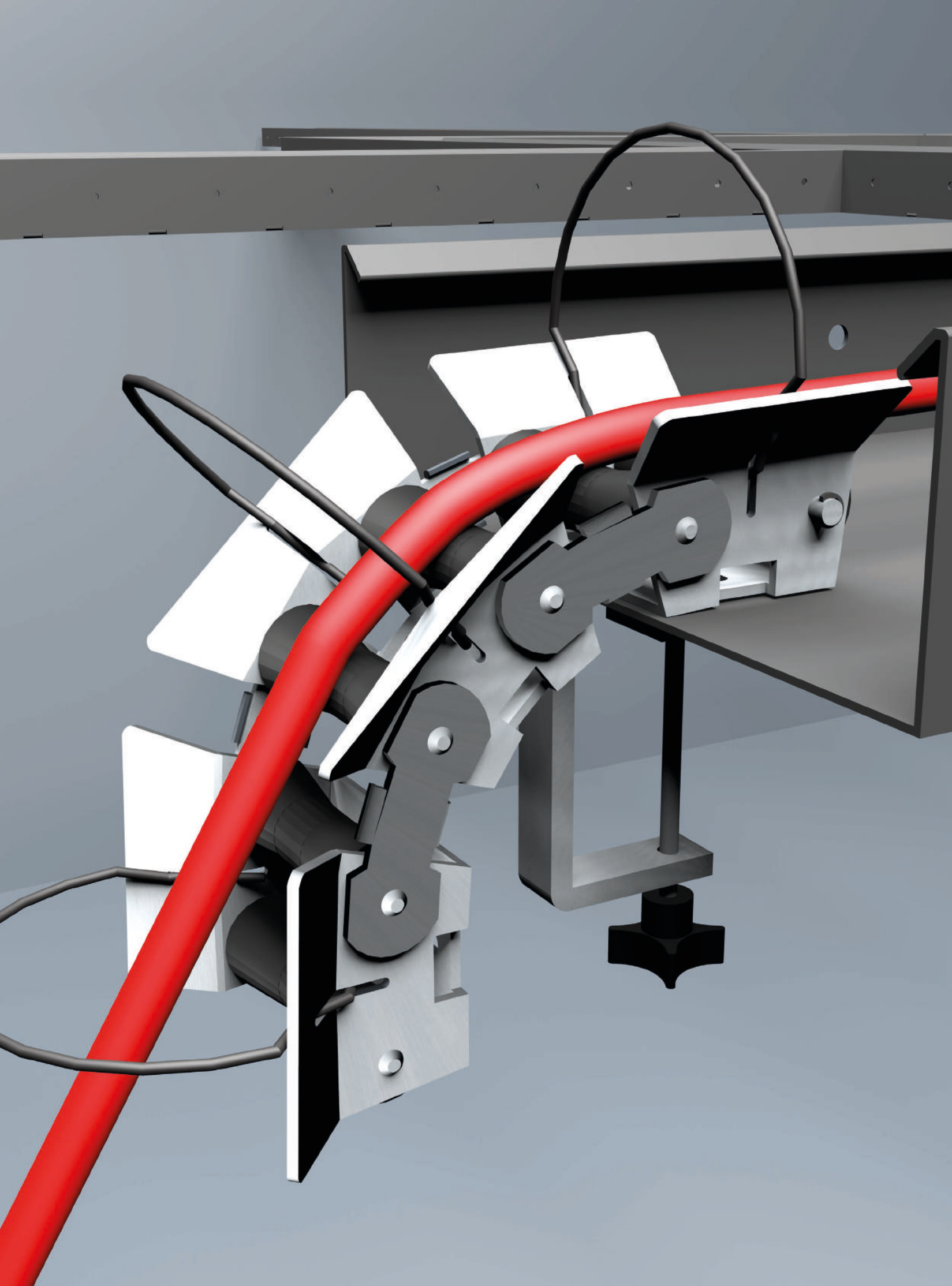
Wire brackets for basic modules.

Art. no.		kg	PU
143444	3 pcs.	0,045	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com



Connecting clamps

haupa®

... convincing solutions

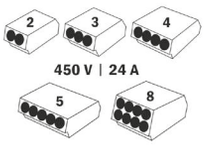
RoHS

Connecting clamps PC

PC

Transparent connecting clamps 2-8 pin, polycarbonate

Art. no.	CSS	Pol	Volt	A	kg/100	PU
265013	**1,0 - 2,5**	2	450	24	0,013	100
265014	**1,0 - 2,5**	3	450	24	0,013	100
265015	**1,0 - 2,5**	4	450	24	0,013	100
265016	**1,0 - 2,5**	5	450	24	0,013	100
265017	**1,0 - 2,5**	8	450	24	0,013	100

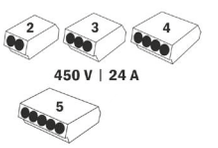


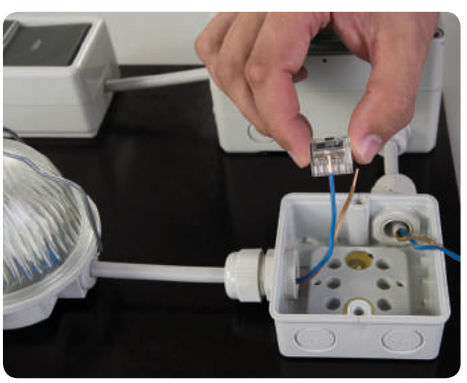
Connecting clamps, Nylon

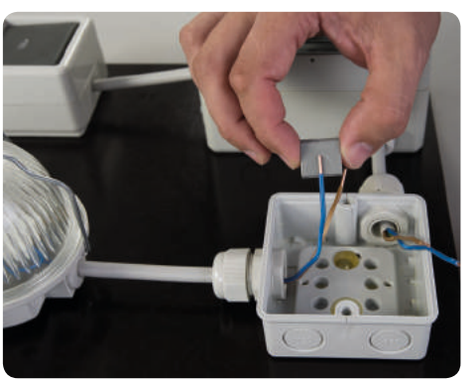
Nylon

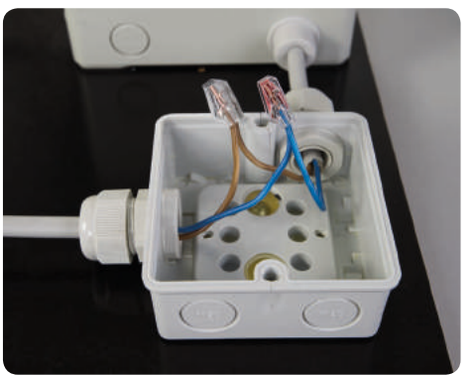
Connecting clamps, 2-8 pin, Nylon

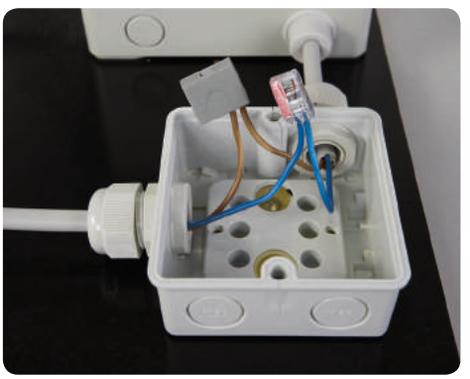
Art. no.	CSS	Pol	Volt	A	kg/100	PU
265033	**1,0 - 2,5**	2	450	24	0,013	100
265034	**1,0 - 2,5**	3	450	24	0,013	100
265035	**1,0 - 2,5**	4	450	24	0,013	100
265036	**1,0 - 2,5**	5	450	24	0,013	100

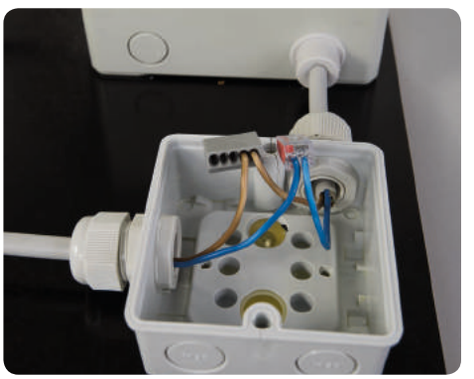












PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

End sleeves

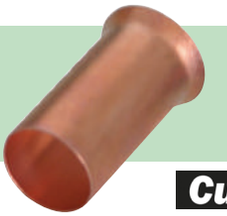
haupa®

... convincing solutions

RoHS

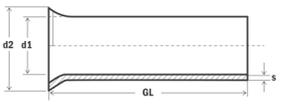
End sleeves

- **of electrolytic copper, bare**
- **Dimensions to DIN 46228, Part 1**



Cu

Art. no.	CSS	d1	d2	s	TL	kg/100	PU
270141	**0,34**	0,85	1,8	0,15	**5**	0,003	1000
270140	**0,5**	1,0	2,1	0,15	**6**	0,004	1000
270140/500		1,0	2,1	0,15	**6**	0,002	500
270142	**0,75**	1,2	2,3	0,15	**6**	0,005	1000
270142/500		1,2	2,3	0,15	**6**	0,003	500
270143		1,2	2,3	0,15	**10**	0,005	1000
270143/500		1,2	2,3	0,15	**10**	0,005	500
270144		1,2	2,3	0,15	**12**	0,007	1000
270146	**1**	1,4	2,5	0,15	**6**	0,005	1000
270146/500		1,4	2,5	0,15	**6**	0,004	500
270148		1,4	2,5	0,15	**10**	0,007	1000
270148/500		1,4	2,5	0,15	**10**	0,006	500
270149		1,4	2,5	0,15	**12**	0,009	1000
270149/500		1,4	2,5	0,15	**12**	0,009	500
270150	**1,5**	1,7	2,8	0,15	**7**	0,005	1000
270150/500		1,7	2,8	0,15	**7**	0,005	500
270152		1,7	2,8	0,15	**10**	0,009	1000
270152/500		1,7	2,8	0,15	**10**	0,008	500
270154		1,7	2,8	0,15	**12**	0,012	1000
270154/500		1,7	2,8	0,15	**12**	0,009	500
270156		1,7	2,8	0,15	**18**	0,014	1000
270156/500		1,7	2,8	0,15	**18**	0,014	500
270158	**2,5**	2,5	3,4	0,15	**7**	0,008	1000
270158/500		2,5	3,4	0,15	**7**	0,010	500
270159		2,5	3,4	0,15	**10**	0,013	1000
270159/500		2,5	3,4	0,15	**10**	0,013	500
270160		2,5	3,4	0,15	**12**	0,012	1000
270160/500		2,5	3,4	0,15	**12**	0,011	500
270164	**4**	2,8	4,0	0,2	**9**	0,018	1000
270164/500		2,8	4,0	0,2	**9**	0,014	500
270166		2,8	4,0	0,2	**12**	0,019	1000
270166/500		2,8	4,0	0,2	**12**	0,018	500
270168		2,8	4,0	0,2	**18**	0,030	1000
270168/500		2,8	4,0	0,2	**18**	0,030	500
270170	**6**	3,5	4,7	0,2	**10**	0,020	250
270172		3,5	4,7	0,2	**12**	0,022	250
270174		3,5	4,7	0,2	**15**	0,034	250
270176		3,5	4,7	0,2	**18**	0,034	250
270178	**10**	4,5	5,8	0,2	**12**	0,028	250
270180		4,5	5,8	0,2	**15**	0,054	250
270182		4,5	5,8	0,2	**18**	0,068	250
270184	**16**	5,8	7,5	0,2	**12**	0,045	250
270186		5,8	7,5	0,2	**15**	0,057	250
270188		5,8	7,5	0,2	**18**	0,059	250
270190	**25**	7,3	9,5	0,2	**12**	0,058	250
270192		7,3	9,5	0,2	**18**	0,080	250
270194	**35**	8,3	11,0	0,2	**18**	0,114	100
270195		8,3	11,0	0,2	**20**	0,108	100
270196		8,3	11,0	0,2	**22**	0,100	100
270198		8,3	11,0	0,2	**26**	0,110	100



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

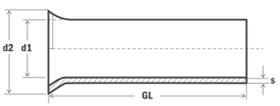
RoHS

End sleeves

- **of electrolytic copper, tin-plated**
- **Dimensions to DIN 46228, Part 1**

Cu

Art. no.	CSS	d1	d2	s	TL	kg/100	PU
270066	**0,25**	0,75	1,7	0,15	**5**	0,003	1000
270066/500		0,75	1,7	0,15	**5**	0,002	500
270068	**0,34**	0,85	1,8	0,15	**5**	0,003	1000
270068/500		0,85	1,8	0,15	**5**	0,001	500
270070	**0,5**	1,0	2,1	0,15	**6**	0,003	1000
270070/500		1,0	2,1	0,15	**6**	0,003	500
270072	**0,75**	1,2	2,3	0,15	**6**	0,003	1000
270072/500		1,2	2,3	0,15	**6**	0,003	500
270074		1,2	2,3	0,15	**12**	0,007	1000
270074/500		1,2	2,3	0,15	**12**	0,003	500
270076	**1**	1,4	2,5	0,15	**6**	0,004	1000
270077		1,4	4,0	0,15	**8**	0,005	1000
270078		1,4	2,5	0,15	**10**	0,007	1000
270078/500		1,4	2,5	0,15	**10**	0,003	500
270079		1,4	2,5	0,15	**12**	0,008	1000
270079/500		1,4	2,5	0,15	**12**	0,004	500
270080	**1,5**	1,7	2,8	0,15	**7**	0,006	1000
270082		1,7	2,8	0,15	**10**	0,009	1000
270082/500		1,7	2,8	0,15	**10**	0,005	500
270084		1,7	2,8	0,15	**12**	0,010	1000
270084/500		1,7	2,8	0,15	**12**	0,005	500
270086		1,7	2,8	0,15	**18**	0,010	1000
270086/500		1,7	2,8	0,15	**18**	0,010	500
270087		1,7	2,8	0,15	**20**	0,018	1000
270088	**2,5**	2,2	3,4	0,15	**7**	0,008	1000
270089		2,2	3,4	0,15	**10**	0,017	1000
270089/500		2,2	3,4	0,15	**10**	0,017	500
270090		2,2	3,4	0,15	**12**	0,011	1000
270090/500		2,2	3,4	0,15	**12**	0,011	500
270091		2,2	3,4	0,15	**15**	0,015	1000
270091/500		2,2	3,4	0,15	**15**	0,015	500
270092		2,2	3,4	0,15	**18**	0,023	1000
270092/500		2,2	3,4	0,15	**18**	0,023	500
270093		2,2	3,4	0,15	**20**	0,020	1000
270093/500		2,2	3,4	0,15	**20**	0,020	500
270094	**4**	2,8	4,0	0,2	**9**	0,015	1000
270096		2,8	4,0	0,2	**12**	0,020	1000
270097		2,8	4,0	0,2	**15**	0,024	1000
270098		2,8	4,0	0,2	**18**	0,030	1000
270100	**6**	3,5	4,7	0,2	**10**	0,020	250
270102		3,5	4,7	0,2	**12**	0,024	250
270104		3,5	4,7	0,2	**15**	0,031	250
270106		3,5	4,7	0,2	**18**	0,036	250
270107		3,5	4,7	0,2	**20**	0,040	250
270108	**10**	4,5	5,8	0,0	**12**	0,032	250
270110		4,5	5,8	0,2	**15**	0,039	250
270112		4,5	5,8	0,2	**18**	0,045	250
270114	**16**	5,8	7,5	0,2	**12**	0,044	250
270116		5,8	7,5	0,2	**15**	0,056	250
270118		5,8	7,5	0,2	**18**	0,068	250
270119		5,8	7,5	0,2	**24**	0,104	250
270120	**25**	7,3	9,5	0,2	**12**	0,063	250
270121		7,3	9,5	0,2	**15**	0,075	250
270122		7,3	9,5	0,2	**18**	0,085	250
270123		7,3	9,5	0,2	**25**	0,121	100
270124	**35**	8,3	11,0	0,2	**18**	0,112	100
270126		8,3	11,0	0,2	**22**	0,132	100
270128		8,3	11,0	0,2	**25**	0,143	100
270130		8,3	11,0	0,2	**30**	0,155	100
270131	**50**	10,3	13,0	0,3	**22**	0,202	100
270132	**70**	12,5	15,0	0,4	**25**	0,259	100
270134	**95**	14,5	17,0	0,4	**30**	0,500	50
270135	**120**	16,5	19,0	0,5	**32**	0,660	50
270136	**150**	18,5	21,0	0,5	**38**	0,529	50
270137	**185**	20,0	23,5	0,6	**40**	1,350	25



haupa®

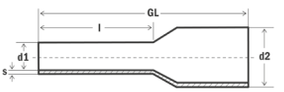
... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

End sleeves DIN colour range

- **insulated**
- **Electrolytic copper, tin-plated**
- **Dimensions to DIN 46228. Part 4**
- **DIN colour range III**



Art. no.	CSS		d1	d2	s	TL	l	kg/100	PU	
270800 ✸	**0,5**	white	1,1	3,1	0,15	14,0	**8**	0,010	100	
270801		white	1,1	3,1	0,15	14,0	**8**	0,009	500	
270802 ✸	**0,75**	grey	1,25	3,3	0,15	14,0	**8**	0,009	500	
270803		grey	1,25	3,3	0,15	14,0	**8**	0,013	100	
272803		grey	1,2	2,8	0,15	16,0	**10**	0,012	100	
270804	**1**	red	1,5	3,5	0,15	14,6	**8**	0,014	100	
270805		red	1,5	3,5	0,15	14,6	**8**	0,009	500	
272804		red	1,4	3,0	0,15	16,0	**10**	0,013	100	
270806		red	1,5	3,5	0,15	18,0	**12**	0,013	500	
270807 ✸	**1,5**	black	1,7	4,0	0,15	14,6	**8**	0,013	500	
270808		black	1,7	4,0	0,15	14,6	**8**	0,014	100	
270809		black	1,7	4,0	0,15	14,6	**10**	0,111	100	
270810	**2,5**	blue	2,3	4,9	0,15	15,0	**8**	0,020	100	
270811		blue	2,3	4,9	0,15	15,0	**8**	0,017	500	
270812		blue	2,3	4,9	0,15	16,5	**10**	0,018	500	
272812		blue	2,2	4,2	0,15	17,4	**10**	0,030	100	
270813		blue	2,3	4,9	0,15	25,0	**18**	0,030	500	
270814 ✸	**4**	grey	2,9	5,6	0,2	17,7	**10**	0,030	100	
270815		grey	2,9	5,6	0,2	17,7	**10**	0,030	500	
270816		grey	2,9	5,6	0,2	25,7	**18**	0,040	100	
270818 ✸	**6**	yellow	3,6	7,0	0,2	20,0	**12**	0,045	100	
270820		yellow	3,6	7,0	0,2	26,0	**18**	0,055	100	
270822 ✸	**10**	red	4,6	8,4	0,2	21,5	**12**	0,057	100	
270824		red	4,6	8,4	0,2	27,5	**18**	0,072	100	
270826 ✸	**16**	blue	6,0	9,6	0,2	22,2	**12**	0,082	100	
270828		blue	6,0	9,6	0,2	28,2	**18**	0,103	100	
270830 ✸	**25**	yellow	7,3	12,0	0,2	30,0	**16**	0,142	50	
270832		yellow	7,3	12,0	0,2	32,0	**18**	0,152	50	
270834		yellow	7,3	12,0	0,2	36,0	**22**	0,168	50	
270836 ✸	**35**	red	8,3	13,5	0,2	30,0	**16**	0,168	50	
270838		red	8,3	13,5	0,2	32,0	**18**	0,178	50	
270840		red	8,3	13,5	0,2	39,0	**25**	0,218	50	
270842 ✸	**50**	blue	10,3	15,0	0,3	36,0	**20**	0,344	50	
270844		blue	10,3	15,0	0,3	40,0	**25**	0,404	50	

PU Packing unit PE Price unit

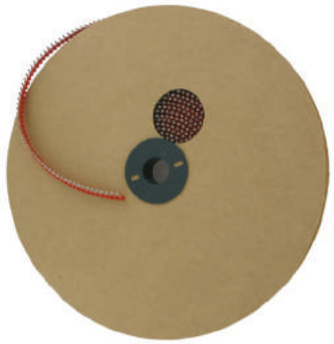
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

RoHS

End sleeves in tape form, to DIN 46228 P. 4

- **insulated**
- **Copper/plastic, tin-plated surface**
- **DIN color range III**



Art. no.	CSS		l	coils		kg/100	PU
272250	**0,5**	white	**8**	Ø 250 mm		0,010	3000
272254	**0,75**	grey	**8**	Ø 250 mm		0,030	3000
272260	**1,0**	red	**8**	Ø 250 mm		0,010	3000
272264	**1,5**	black	**8**	Ø 250 mm		0,010	2500
272268	**2,5**	blue	**8**	Ø 250 mm		0,010	1500

End sleeves in tape form, to DIN 46228 P. 4

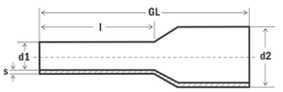
- **insulated**
- **Copper/plastic, tin-plated surface**

Art. no.	CSS		l	dispenser		kg/100	PU
272280	**0,5**	white	**8**	150x150x18 mm		0,070	1000
272284	**0,75**	grey	**8**	150x150x18 mm		0,100	1000
272290	**1**	red	**8**	150x150x18 mm		0,120	1000
272294	**1,5**	black	**8**	150x150x18 mm		0,120	1000
272298	**2,5**	blue	**8**	150x150x18 mm		0,140	500

RoHS

End sleeves, colour range I, (french)

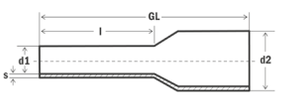
- insulated
- Electrolytic copper, tin-plated
- Dimensions to DIN 46228. Part 4
- Colour range I, french



Art. no.	CSS		d1	d2	s	TL	l	kg/100	PU
270014	**0,25**	yellow	0,8	2,3	0,15	10,4	**6**	0,005	100
270015		yellow	0,8	2,3	0,15	10,4	**6**	0,023	500
270016	**0,34**	green	0,8	2,5	0,15	12,4	**6**	0,022	500
270800	**0,5**	white	1,1	3,1	0,15	14,0	**8**	0,010	100
270801		white	1,1	3,1	0,15	14,0	**8**	0,009	500
270021	**0,75**	blue	1,25	3,3	0,15	14,5	**8**	0,021	100
270022		blue	1,25	3,3	0,15	14,5	**8**	0,021	500
270804	**1**	red	1,5	3,5	0,15	14,6	**8**	0,014	100
270805		red	1,5	3,5	0,15	14,6	**8**	0,009	500
270808	**1,5**	black	1,7	4,0	0,15	14,6	**8**	0,014	100
270027		black	1,7	4,0	0,15	24,4	**18**	0,022	100
270028		black	1,7	4,0	0,15	24,4	**18**	0,022	500
270029	**2,5**	grey	2,3	4,9	0,15	15,0	**8**	0,020	100
270030		grey	2,3	4,9	0,15	15,0	**8**	0,020	500
270031		grey	2,3	4,9	0,15	21,0	**18**	0,028	100
270032		grey	2,3	4,9	0,15	21,0	**18**	0,028	500
270033	**4**	orange	2,9	5,6	0,2	17,7	**10**	0,029	100
270034		orange	2,9	5,6	0,2	17,7	**10**	0,029	500
270036		orange	2,9	5,6	0,2	25,7	**18**	0,040	100
270038	**6**	green	3,6	7,0	0,2	20,0	**12**	0,043	100
270040		green	3,6	7,0	0,2	26,0	**18**	0,065	100
270042	**10**	brown	4,6	8,4	0,2	21,5	**12**	0,046	100
270044		brown	4,6	8,4	0,2	27,5	**18**	0,073	100
270046	**16**	ivory	6,0	9,6	0,2	24,2	**12**	0,081	100
270048		ivory	6,0	9,6	0,2	28,2	**18**	0,103	100
270049	**25**	black	7,3	12,0	0,2	30,0	**16**	0,070	50
270050		black	7,3	12,0	0,2	32,0	**18**	0,079	50

End sleeves, colour range II, (german)

- insulated
- Electrolytic copper, tin-plated
- Colour range II, german



Art. no.	CSS		d1	d2	s	TL	l	kg/100	PU
270714	**0,25**	light blue	0,8	2,3	0,15	10,4	**6**	0,007	100
270715		light blue	0,8	2,3	0,15	10,4	**6**	0,005	500
270716	**0,34**	emerald	0,8	2,5	0,15	10,4	**6**	0,005	500
270719	**0,5**	orange	1,1	3,1	0,15	14,0	**8**	0,010	100
270720		orange	1,1	3,1	0,15	14,0	**8**	0,009	500
270721	**0,75**	white	1,25	3,3	0,15	14,6	**8**	0,012	100
270722		white	1,25	3,3	0,15	14,6	**8**	0,011	500
272721		white	1,2	2,8	0,15	16,0	**10**	0,012	100
270723	**1**	yellow	1,5	3,5	0,15	14,6	**8**	0,013	100
270724		yellow	1,5	3,5	0,15	14,6	**8**	0,011	500
272723		yellow	1,4	3,0	0,15	16,0	**10**	0,013	100
270725	**1,5**	red	1,7	4,0	0,15	14,6	**8**	0,015	100
270726		red	1,7	4,0	0,15	14,6	**8**	0,013	500
272725		red	1,7	3,5	0,15	16,0	**10**	0,015	100
270727		red	1,7	4,0	0,15	24,4	**18**	0,023	100
270728		red	1,7	4,0	0,15	24,4	**18**	0,023	500
270810	**2,5**	blue	2,3	4,9	0,15	15,0	**8**	0,020	100
270811		blue	2,3	4,9	0,15	15,0	**8**	0,017	500
270813		blue	2,3	4,9	0,15	25,0	**18**	0,030	500
270814	**4**	grey	2,9	5,6	0,2	17,7	**10**	0,030	100
270815		grey	2,9	5,6	0,2	17,7	**10**	0,030	500
270816		grey	2,9	5,6	0,2	25,7	**18**	0,040	100
270738	**6**	black	3,6	7,0	0,2	20,0	**12**	0,050	100
270740		black	3,6	7,0	0,2	26,0	**18**	0,062	100
270742	**10**	ivory	4,6	8,4	0,2	21,5	**12**	0,066	100
270744		ivory	4,6	8,4	0,2	27,5	**18**	0,081	100
270746	**16**	green	6,0	9,6	0,2	22,2	**12**	0,080	100
270748		green	6,0	9,6	0,2	28,2	**18**	0,104	100
270750	**25**	brown	7,3	11,2	0,2	29,0	**16**	0,132	50
270754	**35**	beige	8,3	12,7	0,2	30,0	**16**	0,170	50
270756		beige	8,3	12,7	0,2	39,0	**25**	0,400	25
270758	**50**	olive	10,3	15,0	0,3	36,4	**20**	0,328	25
270760		olive	10,3	15,0	0,3	41,0	**25**	0,300	25
270762	**70**	yellow	13,5	17,2	0,4	37,0	**21**	0,536	25

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

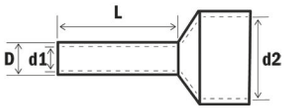
Best-seller Premium product

RoHS

End sleeves for short-circuit-proof cables

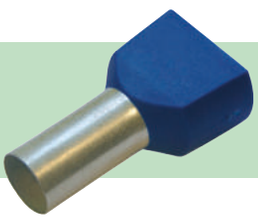
- **for short-circuit-proof cables with extra thick insulation (NSFGAFÖU)**
  Application: Infeed or branches in front of mains switch, in switching stations, distributors or with rail vehicles, solar heating units, ignition cables

Art. no.	CSS		d1	d2	l	kg/100	PU
270900	**1,5**	black	1,8	6,8	**8**	0,026	100
270902		black	1,8	6,8	**10**	0,024	100
270904	**2,5**	blue	2,3	7,8	**8**	0,033	100
270906		blue	2,3	7,8	**12**	0,360	100
270908	**4**	grey	2,9	7,8	**10**	0,046	100
270910	**6**	yellow	3,8	7,3	**12**	0,062	100
270912	**10**	red	4,5	9,8	**12**	0,081	100
270914	**16**	blue	6,0	12,2	**12**	0,107	100

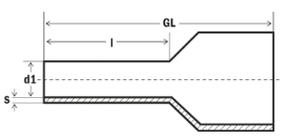


Twin-end sleeves two cables DIN

- **tube section of electrolytic copper**
- **galvanically tin-plated**
- **plastic collar of PP**
- **heat-resistant to 105°C**



Art. no.	CSS		d1	s	TL	l	kg/100	PU
270778 ✷	**0,5**	white	1,5	0,15	15,0	**8**	0,011	100
270780 ✷	**0,75**	grey	1,8	0,15	15,0	**8**	0,013	100
270782		grey	1,8	0,15	17,0	**10**	0,014	100
270784 ✷	**1**	red	2,05	0,15	15,0	**8**	0,014	100
270787		red	2,05	0,15	17,0	**10**	0,015	100
270788 ✷	**1,5**	black	2,3	0,15	16,0	**8**	0,017	100
270790		black	2,3	0,15	20,0	**12**	0,022	100
270792 ✷	**2,5**	blue	2,9	0,2	18,5	**10**	0,029	100
270794 ✷		blue	2,9	0,2	21,5	**13**	0,033	100
270796 ✷	**4**	grey	3,8	0,2	23,0	**12**	0,049	100
270797 ✷	**6**	yellow	4,9	0,2	25,0	**14**	0,072	100
270798 ✷	**10**	red	6,5	0,2	26,0	**14**	0,090	100
270799 ✷	**16**	blue	8,3	0,2	31,0	**16**	0,078	50

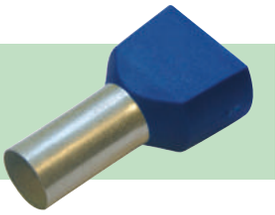


End sleeves

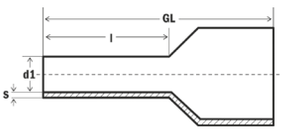
RoHS

Twin-end sleeves, colour series II (German)

- **insulated**
- **Copper/plastic, tin-plated surface**
- **Colour range II, german**



Art. no.	CSS		d1	s	TL	l	kg/100	PU
273350	**0,5**	orange	1,5	0,15	15,0	**8**	0,031	100
273352	**0,75**	white	1,8	0,15	15,0	**8**	0,031	100
273354		white	1,8	0,15	17,0	**10**	0,031	100
273356	**1**	yellow	2,05	0,15	15,0	**8**	0,031	100
273358		yellow	1,7	0,15	17,0	**12**	0,031	100
273360	**1,5**	red	2,3	0,15	16,0	**8**	0,031	100
273362		red	2,3	0,15	20,0	**12**	0,031	100
273392	**2,5**	blue	2,9	0,2	18,5	**10**	0,029	100
273394		blue	2,9	0,2	21,5	**13**	0,029	100
273396	**4**	grey	3,8	0,2	23,0	**12**	0,049	100
273364	**6**	black	4,9	0,2	25,0	**14**	0,031	100
273366	**10**	ivory	6,5	0,2	26,0	**14**	0,031	100
273368	**16**	green	8,3	0,2	31,0	**16**	0,031	50



End sleeves colour range III, DIN “SmallPack”

- **insulated**
- **Electrolytic copper, tin-plated**
- **Dimensions to DIN 46228. Part 4**
- **DIN colour range III**

Art. no.	CS		d1	d2	s	TL	l	kg/100		PU
270800/25	**0,5**	white	1,1	3,1	0,15	14,0	**8**	0,010	250	25
270803/25	**0,75**	grey	1,25	3,3	0,15	14,0	**8**	0,013	250	25
270804/25	**1**	red	1,5	3,5	0,15	14,6	**8**	0,014	250	25
270808/25	**1,5**	black	1,7	4,0	0,15	14,6	**8**	0,014	250	25
270810/25	**2,5**	blue	2,3	4,9	0,15	15,0	**8**	0,020	250	25
270814/25	**4**	grey	2,9	5,6	0,2	17,7	**10**	0,030	250	25
270818/10	**6**	yellow	3,6	7,0	0,2	20,0	**12**	0,045	100	10
270822/10	**10**	red	4,6	8,4	0,2	21,5	**12**	0,057	100	10
270826/10	**16**	blue	6,0	9,6	0,2	22,2	**12**	0,082	100	10
270830/5	**25**	yellow	7,3	12,0	0,2	30,0	**16**	0,142	50	5
270836/5	**35**	red	8,3	13,5	0,2	30,0	**16**	0,168	50	5

Twin-end sleeves two cables DIN “SmallPack”

- **tube section of electrolytic copper**
- **galvanically tin-plated**
- **plastic collar of PP**
- **heat-resistant to 105°C**

Art. no.	LCSQ		d1	s	TL	l	kg/100		PU
270778/25	**0,5**	white	1,5	0,15	15,0	**8**	0,011	250	25
270780/25	**0,75**	grey	1,8	0,15	15,0	**8**	0,013	250	25
270784/25	**1**	red	2,05	0,15	15,0	**8**	0,014	250	25
270788/25	**1,5**	black	2,3	0,15	16,0	**8**	0,017	250	25
270792/25	**2,5**	blue	2,9	0,2	18,5	**10**	0,029	250	25
270796/10	**4**	grey	3,8	0,2	23,0	**12**	0,049	100	10
270797/10	**6**	yellow	4,9	0,2	25,0	**14**	0,072	100	10
270798/10	**10**	red	6,5	0,2	26,0	**14**	0,090	100	10
270799/5	**16**	blue	8,3	0,2	31,0	**16**	0,078	50	5

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

RoHS

Empty dispenser box

Art. no.	kg	PU
270870	0,049	5

Dispenser box with uninsulated end sleeves

Contents: tín-plated end sleeves
700 pcs. 0.5 mm², art. 270070
1000 pcs. 0.75 mm², art. 270072
800 pcs. 1.0 mm², art. 270076
500 pcs. 1.5 mm², art. 270080
450 pcs. 2.5 mm², art. 270088

Art. no.	kg	PU
270217	0,240	1

Dispenser box with uninsulated end sleeves

Contents: tín-plated end sleeves
200 pcs. 4 mm², art. 270094
100 pcs. 6.0 mm², art. 270102
50 pcs. 10.0 mm², art. 270108
50 pcs. 16.0 mm², art. 270114

Art. no.	kg	PU
270218	0,158	1

Dispenser box with insulated end sleeves (DIN)

Contents: Colour range III, DIN
50 pcs. white, 0.5 mm², art. 270800
100 pcs. grey, 0.75 mm², art. 270802
100 pcs. red, 1.0 mm², art. 270804
100 pcs. black, 1.5 mm², art. 270807
50 pcs. blue, 2.5 mm², art. 270810

Art. no.	kg	PU
270854 ✷	0,090	1

Dispenser box with insulated end sleeves (DIN)

Contents: Colour range III, DIN
50 pcs. grey, 4 mm², art. 270815
20 pcs. yellow, 6 mm², art. 270818
20 pcs. red, 10 mm², art. 270822
10 pcs. blue, 16 mm², art. 270826

Art. no.	kg	PU
270858	0,089	1

Dispenser box with Twin end sleeves (DIN)

Contents:
50 pcs. grey, 0.75 mm², art. 270780
50 pcs. red, 1.0 mm², art. 270784
50 pcs. black, 1.5 mm², art. 270788
50 pcs. blue, 2.5 mm², art. 270792

Art. no.	kg	PU
270795 ✷	0,080	1

Dispenser box with insulated end sleeves (german)

Contents: Colour range II
50 pcs. orange, 0.5 mm², art. 270719
100 pcs. white, 0.75 mm², art. 270721
100 pcs. yellow, 1.0 mm², art. 270723
100 pcs. red, 1.5 mm², art. 270725
50 pcs. blue, 2.5 mm², art. 270810

Art. no.	kg	PU
270852	0,089	1

Dispenser box with insulated end sleeves (german)

Contents: Colour range II
50 pcs. grey, 4 mm², art. 270814
20 pcs. black, 6 mm², art. 270738
20 pcs. ivory, 10 mm², art. 270742
10 pcs. green, 16 mm², art. 270746

Art. no.	kg	PU
270856	0,087	1

Dispenser box with insulated end sleeves (french)

Contents: Colour range I
50 pcs. white, 0.5 mm², art. 270800
100 pcs. blue, 0.75 mm², art. 270021
100 pcs. red, 1.0 mm², art. 270804
100 pcs. black, 1.5 mm², art. 270808
50 pcs. grey, 2.5 mm², art. 270029

Art. no.	kg	PU
270850	0,090	1

haupa®
... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Slide Box with DIN end sleeves

The transparent sliding lids enable easy access and prevent the contents from becoming mixed up.

Product features:
Handy plastic box with Euro holes, 5 separate compartments, simple access through sliding lids, no mixing of contents.
Dimensions: 165 x 58 x 38 mm (L x W x H)

Content: Colour range III DIN
50 pcs white, 0.5 mm², art. 270800
100 pcs. grey, 0.75 mm², art. 270802
100 pcs. red, 1.0 mm², art. 270804
100 pcs. black, 1.5 mm², art. 270807
50 pcs. blue, 2.5 mm², art. 270810

Art. no.	kg	PU
270864	0,109	1

Slide Box with DIN TWIN end sleeves

Content:
50 pcs. white, 2 x 0,5 mm², art. 270778
50 pcs. grey, 2 x 0.75 mm², art. 270780
50 pcs. red, 2 x 1.0 mm², art. 270784
50 pcs. black, 2 x 1.5 mm², art. 270788
25 pcs. blue, 2 x 2.5 mm², art. 270792

Art. no.	kg	PU
270866	0,104	1

Assortments of wire-end sleeves

Content: 5.000 insulated wire-end sleeves, 1 crimping pliers (21 08 04), crimping range 0,08 – 10 mm² in plastic bulk storage chest 415 x 335 x 90 mm.
100 Twin end sleeves 8/0,5, white, art. 270778
100 Twin end sleeves 8/0,75, grey, art. 270780
100 Twin end sleeves 8/1, red, art. 270784
100 Twin end sleeves 8/1,5, black, art. 270788
100 Twin end sleeves 10/2,5, blue, art. 270792
100 Twin end sleeves 12/4,0, grey, art. 270796
100 Twin end sleeves 14/6,0, yellow, art. 270797
500 insulated end sleeves 8/0,5, white, art. 270801
500 insulated end sleeves 8/0,75, grey, art. 270802
1.000 insulated end sleeves 8/1, red, art. 270805
1.000 insulated end sleeves 8/1,5, black, art. 270807
500 insulated end sleeves 8/2,5, blue, art. 270811
500 insulated end sleeves 10/4, grey, art. 270815
200 insulated end sleeves 12/6, yellow, art. 270818
200 insulated end sleeves 12/10, red, art. 270822

Art. no.	Content	type	kg	PU
270888	5000	DIN	2,150	1
270890	5000	II	2,150	1

Assortments of wire-end sleeves

Content: 5.300 insulated wire-end sleeves, 1 crimping pliers (21 08 42), crimping range 1 – 10 mm², in plastic bulk storage chest 415 x 335 x 90 mm.
1.000 insulated end sleeves 8/1, red, art. 270805
1.000 insulated end sleeves 8/1,5, black, art. 270807
1.000 insulated end sleeves 8/2,5, blue, art. 270811
500 insulated end sleeves 10/4, grey, art. 270815
200 insulated end sleeves 12/6, yellow, art. 270818
200 insulated end sleeves 12/10, red, art. 270822
500 insulated end sleeves 12/1, red, art. 270806
300 insulated end sleeves 18/1,5, black, art. 270027
250 insulated end sleeves 18/2,5, blue, art. 270813
200 insulated end sleeves 18/4, grey, art. 270816
100 insulated end sleeves 18/6, yellow, art. 270820
50 insulated end sleeves 18/10, red, art. 270824

Art. no.	Content	type	kg	PU
270891	5300	DIN	2,100	1
270892	5300	I	2,100	1
270893	5300	II	2,100	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

RoHS

End sleeve assortment – serie DIN

Content: 1.150 insulated end sleeves
crimping pliers (art. no. 210824), crimp 0,75 - 16,0 mm², in plastic bulk storage chest 415 x 335 x 90 mm.
200 insulated end sleeves 8/0,75, grey, art. 270803
200 insulated end sleeves 8/1, red, art. 270804
200 insulated end sleeves 8/1,5, black, art. 270808
200 insulated end sleeves 8/2,5, blue, art. 270810
100 insulated end sleeves 10/4, grey, art. 270814
100 insulated end sleeves 12/6, yellow, art. 270818
100 insulated end sleeves 18/10, red, art. 270824
50 insulated end sleeves 18/16, blue, art. 270828

Art. no.	Content	type	kg	PU
270882/DIN	1150	DIN	1,740	1
270882	1150	I	1,700	1
270894	1150	II	2,150	1

End sleeve assortment – serie DIN

Content: 4.700 insulated end sleeves, in plastic bulk storage chest 415 x 335 x 90 mm.
100 Twin end sleeves 8/0,5, white, art. 270778
100 Twin end sleeves 8/0,75, grey, art. 270780
100 Twin end sleeves 8/1, red, art. 270784
100 Twin end sleeves 8/1,5, black, art. 270788
100 Twin end sleeves 10/2,5, blue, art. 270792
100 Twin end sleeves 12/4, grey, art. 270796
100 Twin end sleeves 14/6, yellow, art. 270797
100 Twin end sleeves 14/10, red, art. 270798
500 insulated end sleeves 8/0,5, white, art. 270801
500 insulated end sleeves 8/0,75, grey, art. 270802
500 insulated end sleeves 8/1, red, art. 270805
1000 insulated end sleeves 8/1,5, black, art. 270807
500 insul. end sleeves 8/2,5, blue, art. 270811
500 insulated end sleeves 10/4, grey, art. 270815
200 insul. end sl. 10/6, yellow, art. 270818
200 insul. end sl. 12/10, red, art. 270822

Art. no.	Content	kg	PU
270899	4700	2,150	1

Assortment for Combi-Crimp – DIN

Content: 1 crimping pliers (210784) for insulated terminals 0,5 - 2,5 mm² and end sleeves 0,5 - 6 mm², 2.700 insulated end sleeves, 1.100 insulated terminals in plastic bulk storage chest 415 x 335 x 90 mm.
500 insulated end sleeves 0,5/8, white, art. 270801
500 insulated end sleeves 0,75/8, grey, art. 270802
500 insulated end sleeves 1/8, red, art. 270805
500 insulated end sleeves 1,5/8, black, art. 270807
500 insulated end sleeves 2,5/8, blue, art. 270811
100 insulated end sleeves 4/10, grey, art. 270814
100 insulated end sleeves 6/12, yellow, 270818
200 insulated butt connectors 0,25-1,5, art. 260350
200 insulated butt connectors 1,5-2,5, art. 260352
100 insulated socket sleeves 0,25-1,5/6,3x0,8, art. 260392
100 insulated socket sleeves 1,5-2,5/6,3x0,8, art. 260394
100 insulated ring terminals 0,25-1,5, M5, art. 260258
100 insulated ring terminals 1,5-2,5, M4, art. 260270
100 insulated ring terminals 1,5-2,5, M5, art. 260272
100 insulated ring terminals 1,5-2,5, M6, art. 260274
100 insulated ring terminals 0,25-1,5, M4, art. 260256

Art. no.	Content	type	kg	PU
270895	3900	DIN	4,300	1
270896	3900	I	4,300	1
270897	3900	II	4,300	1

haupa®
... convincing solutions

Assortments of end sleeves - SysCon

SysCon end sleeves & 210804

Content: 4100 insulated end sleeves

1	220370	ABS plastic box „SysCon S”
1	220375	Assortment insert „SysCon“
1	220399	Foam „SysCon” 400 x 300 x 10 mm
1	210804	Crimping pliers for end sleeves 0,08 – 10 mm²

1000	270805	insulated end sleeves, red	1/8
1000	270802	insulated end sleeves, grey	0,75/8
500	270807	insulated end sleeves, black	1,5/8
500	270811	insulated end sleeves, blue	2,5/8
500	270815	insulated end sleeves, grey	4/10
100	270818	insulated end sleeves, yellow	6/12
200	270788	Twin-end sleeves, black	1,5/8
200	270792	Twin-end sleeves, blue	2,5/10
100	270796	Twin-end sleeves, grey	4,0/12

Art. no.	Content	kg	PU
220382	4100	4,300	1

SysCon end sleeves & 210842

Content: 4950 insulated end sleeves

1	220370	ABS plastic box „SysCon S”
1	220399	Foam „SysCon” 400 x 300 x 10 mm
1	220375	Assortment insert „SysCon“
1	210842	Crimping pliers for end sleeves 1 – 10 mm²

1000	270805	insulated end sleeves, red	1/8
1000	270807	insulated end sleeves, black	1,5/8
1000	270811	insulated end sleeves, blue	2,5/8
500	270815	insulated end sleeves, grey	4/10
200	270818	insulated end sleeves, yellow	6/12
200	270822	insulated end sleeves, red	10/12
500	270806	insulated end sleeves, red	1/12
300	270027	insulated end sleeves, black	1,5/18
250	270813	insulated end sleeves, blue	2,5/18

Art. no.	Content	kg	PU
220390	4950	4,300	1

Insulated crimp terminals

haupa®

... convincing solutions

INFO

The Quality

The elimination of every need to weld complicated operations to effect an electrical connection, the high productivity in cable termination, the low contact resistance as well as the high connection reliability are only some of the multiple advantages guaranteed by the HAUPA crimp systems.

Variety
The wide and complete range of crimp terminals satisfies the most different connection requirements with the widest application field even referring to the hardest and least favourable conditions of operation.

Materials
The high conductivity and the top mechanical caracteristics are guaranteed by the purity (up to 99,9%) of the copper utilized for the production of crimp terminals.
Hot treatment
In order to ensure the maximum malleability of materials during the crimping operations all copper terminals undergo a hot treatment with forced ventilation and controlled temperature.

Surface treatment
The crimp terminals are treated with processes of electrolytic tin plating. This method guarantees the maximum adhesion of tin to the crimp terminal surface in order to reduce the electrical resistance to a minimum and to maximalize the protection against corrosion.

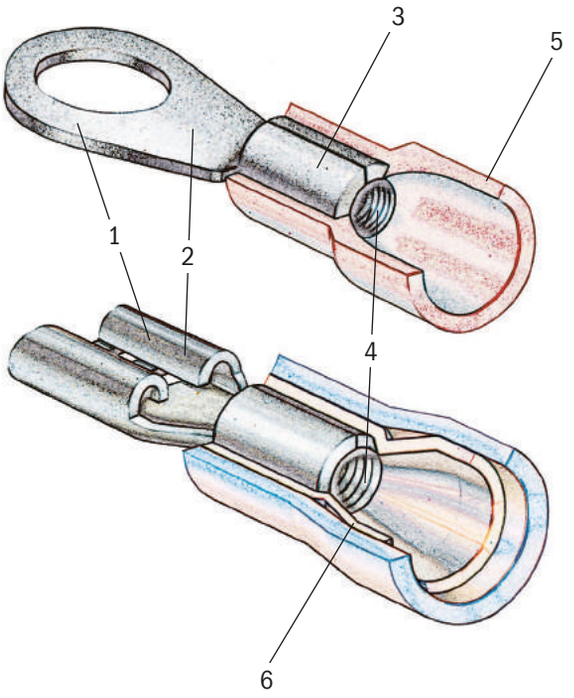
Insulation
The standard models are available with insulation in special self-extinguishing PVC or in Nylon and in colours according to International Standards. The high quality of the insulation materials employed for all crimp terminals ensure a high degree of resistance to the mechanical solicitations that they must undergo during the crimping operations without alteration of their insulation characterictics.

RoHS

PVC insulated crimp terminals Easy Entry

1. Sleeves, made of purest copper
2. Treated with processes of electrolytic tin plating
3. Hot treatment
4. Internal serration for the best most electric contact
5. Insulation Easy Entry sleeve
6. Copper sleeve Easy Entry: for quick wire insertions with no strand turn-back and a strong mechanical retention.

Funnel shaped insulating sleeve



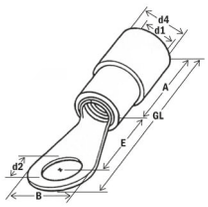
Underwriters Laboratories Inc.
Listed File E338116, E336314

RoHS

Ring terminals DIN 46237

- of electrolytic copper, tin-plated, soldered • Easy Entry
- PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables

PVC +75°/600V

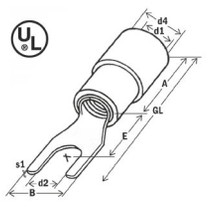


Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
260243	**0,2 - 0,5**	2	2,2	1,00	2,3	0,5	8,0	16,5	6,0	5,0	0,050	500	100
260245		3	3,2	1,00	2,3	0,5	8,0	16,5	6,0	5,0	0,070	500	100
260246		3,5	3,7	1,00	2,3	0,5	8,0	16,5	8,0	6,0	0,070	500	100
260247		4	4,3	1,00	2,3	0,5	8,0	19,3	8,0	6,5	0,065	500	100
260248		5	5,3	1,00	2,3	0,5	8,0	20,0	8,0	8,0	0,040	500	100
260250	**0,5 - 1,0**	2,5	2,6	1,95	4,2	0,8	10,4	22,2	8,6	8,0	0,071	500	100
260252		3	3,2	1,95	4,2	0,8	10,4	15,4	4,4	5,5	0,072	500	100
260254		3,5	3,6	1,95	4,2	0,8	10,4	22,2	7,8	8,0	0,065	500	100
260256 *		4	4,2	1,95	4,2	0,8	10,4	22,0	7,5	8,0	0,079	500	100
260258 *		5	5,2	1,95	4,2	0,8	10,4	22,4	8,0	8,0	0,096	500	100
260260 *		6	6,2	1,95	4,2	0,8	10,4	23,7	8,6	10,0	0,106	500	100
260262		8	8,3	1,95	4,2	0,8	10,4	30,0	12,6	14,0	0,136	500	100
260264		10	10,4	1,95	4,2	0,8	10,4	30,0	12,8	14,0	0,190	500	100
260267	**1,5 - 2,5**	3	3,2	2,45	4,8	0,8	11,0	18,5	4,3	6,4	0,078	500	100
260268		3,5	3,7	2,45	4,8	0,8	11,0	23,0	8,0	8,0	0,078	500	100
260270 *		4	4,2	2,45	4,8	0,8	11,0	23,0	8,0	8,0	0,092	500	100
260272 *		5	5,2	2,45	4,8	0,8	11,0	26,0	9,8	10,0	0,111	500	100
260274 *		6	6,2	2,45	4,8	0,8	11,0	28,0	11,7	11,0	0,123	500	100
260276		8	8,2	2,45	4,8	0,8	11,0	33,0	14,5	15,0	0,147	500	100
260278		10	10,5	2,45	4,8	0,8	11,0	33,0	14,5	15,0	0,200	500	100
260282	**4 - 6**	3,5	3,7	3,5	6,6	1,0	14,0	26,5	8,4	8,0	0,163	500	100
260284		4	4,2	3,5	6,6	1,0	14,0	26,5	8,4	8,0	0,168	500	100
260286		5	5,2	3,5	6,6	1,0	14,0	29,6	10,2	10,0	0,186	500	100
260288 *		6	6,2	3,5	6,6	1,0	14,0	30,6	11,0	11,0	0,196	500	100
260290 *		8	8,2	3,5	6,6	1,0	14,0	37,0	15,3	15,0	0,243	500	100
260292		10	10,5	3,5	6,6	1,0	14,0	40,0	16,5	19,0	0,299	500	100

Fork terminals DIN 46237

- of electrolytic copper, tin-plated, soldered • Easy Entry
- PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables

PVC +75°/600V

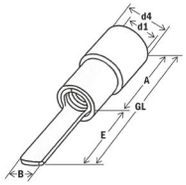


Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
260300	**0,5 - 1,0**	3	3,2	1,95	4,2	0,8	10,4	20,0	6,7	5,6	0,065	500	100
260302		3,5	3,7	1,95	4,2	0,8	10,4	19,4	6,5	6,5	0,065	500	100
260304		4	4,2	1,95	4,2	0,8	10,4	20,9	6,3	6,4	0,070	500	100
260306		5	5,2	1,95	4,2	0,8	10,4	21,2	8,0	8,0	0,092	500	100
260308		6	6,2	1,95	4,2	0,8	10,4	22,4	8,3	9,2	0,101	500	100
260310	**1,5 - 2,5**	3	3,2	2,45	4,8	0,8	11,0	23,0	8,4	5,6	0,079	500	100
260312		3,5	3,7	2,45	4,8	0,8	11,0	20,3	5,3	6,6	0,085	500	100
260314		4	4,2	2,45	4,8	0,8	11,0	20,3	5,3	6,6	0,084	500	100
260316		5	5,2	2,45	4,8	0,8	11,0	25,0	9,5	9,1	0,109	500	100
260318		6	6,3	2,45	4,8	0,8	11,0	27,0	11,2	10,0	0,118	500	100
260320	**4,0 - 6,0**	4	4,2	3,5	6,6	1,0	14,0	26,0	7,2	8,1	0,116	500	100
260322		5	5,2	3,5	6,6	1,0	14,0	28,5	10,5	9,0	0,179	500	100
260324		6	6,3	3,5	6,6	1,0	14,0	29,5	11,0	11,0	0,188	500	100
260326		8	8,2	3,5	6,6	1,0	14,0	35,2	15,0	15,2	0,229	500	100
260328		10	10,5	3,5	6,6	1,0	14,0	38,0	16,6	19,0	0,291	500	100

Socket sleeves (male) DIN 46231

- of electrolytic copper, tin-plated, soldered • Easy Entry
- PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables

PVC +75°/600V



Art. no.	CSS	d1	d4	A	TL	E	B		kg/100		PU
260330	**0,5 - 1,0**	1,7	4,2	10,4	19,4	9,0	2,8		0,058	500	100
260331		1,7	4,2	10,4	24,9	14,5	3,0		0,070	500	100
260332	**1,5 - 2,5**	2,3	4,8	10,4	19,4	9,0	2,8		0,066	500	100
260333		2,3	4,8	10,4	26,4	16,0	2,8		0,080	500	100
260334	**4 - 6**	3,4	6,8	13,5	23,5	10,0	2,8		0,120	500	100
260335		3,4	6,8	13,5	31,7	18,2	4,5		0,170	500	100

haupa®

...convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Crimp terminals, PVC-insulated

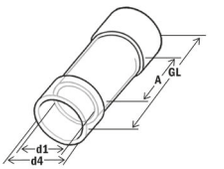
RoHS

Butt connectors

- of electrolytic copper, tin-plated • Easy Entry
- PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables

PVC >75°/600V

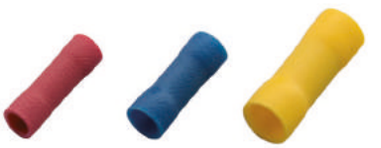
Art. no.	CSS	d1	d4	A	TL	kg/100		PU
260350 ✸	**0,5 - 1,0**	1,7	4,0	15	22,7	0,110	500	100
260352 ✸	**1,5 - 2,5**	2,3	4,5	15	22,7	0,130	500	100
260354 ✸	**4,0 - 6,0**	3,4	6,8	15	26,7	0,230	500	100



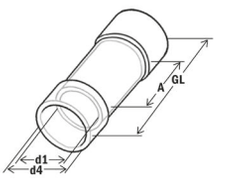
Parallel connectors

- of electrolytic copper, tin-plated • Easy Entry
- PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables

PVC >75°/600V



Art. no.	CSS	d1	d4	A	TL	kg/100		PU
260360	**0,5 - 1,0**	1,7	4,0	8,0	16,0	0,060	500	100
260362	**1,5 - 2,5**	2,3	4,5	8,0	16,0	0,080	500	100
260364	**4,0 - 6,0**	3,4	6,8	8,0	20,5	0,140	500	100

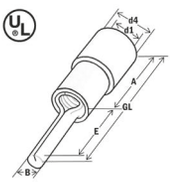


Round pins

- of electrolytic copper, tin-plated • Easy Entry
- PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables

PVC >75°/600V

Art. no.	CSS	d1	d4	A	TL	E	B	kg/100		PU
260370	**0,5 - 1,0**	1,95	4,20	10,4	22,4	12,0	1,8	0,070	500	100
260371		1,95	4,20	10,4	20,0	9,0	1,8	0,060	500	100
260372	**1,5 - 2,5**	2,45	4,8	11,0	23,0	12,0	1,8	0,080	500	100
260373		2,45	4,8	11,0	20,0	9,0	1,8	0,070	500	100
260374	**4,0 - 6,0**	3,5	6,6	14,0	28,0	14,0	2,6	0,170	500	100
260376	**10**	4,5	8,3	21,5	38,0	15,0	4,0	0,300	500	100

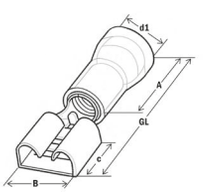


Socket sleeves (female)

- Brass, tin-plated, PVC-insulated
- with vibration-free copper sleeve • Easy Entry

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
260380	**0,5 - 1,0**	2,8x0,5	3,5	9,5	17,9	6,4	3,2	PVC	0,070	500	100
260382		2,8x0,8	3,5	9,5	17,9	6,4	3,2	PVC	0,070	500	100
260384		4,8x0,5	3,5	9,5	18,7	6,0	5,0	PVC	0,080	500	100
260386		4,8x0,8	3,5	9,5	18,7	6,0	5,0	PVC	0,080	500	100
260400		5,2x0,8	3,5	9,5	18,7	6,4	5,5	PVC	0,090	500	100
260392 ✸		6,3x0,8	3,5	9,5	20,5	7,8	6,6	PVC	0,100	500	100
260388	**1,5 - 2,5**	4,8x0,5	4,3	9,5	18,7	6,0	5,0	PVC	0,090	500	100
260390		4,8x0,8	4,3	9,5	18,7	6,0	5,0	PVC	0,090	500	100
260402		5,2x0,8	4,3	9,5	18,7	6,4	5,5	PVC	0,090	500	100
260394 ✸		6,3x0,8	4,3	9,5	20,5	7,8	6,6	PVC	0,120	500	100
260396 ✸	**4,0 - 6,0**	6,3x0,8	6,2	13,5	24,5	7,8	6,6	PVC	0,190	500	100
260404		9,8x1,1	6,2	13,5	29,2	12,0	10,0	PVC	0,260	500	100



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

Crimp terminals, PVC-insulated

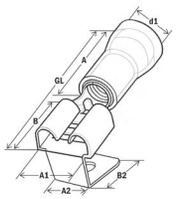
RoHS

Socket sleeves (female) with branch

- **Brass, tin-plated, PVC-insulated**
- **with vibration-free copper sleeve • Easy Entry**

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	A1	A2	B	B2	material	kg/100		PU	
260410	**0,5 - 1,0**	6,3x0,8	3,5	9,5	22,2	6,6	6,3	7,8	8,0	PVC	0,140	500	100	
260412	**1,5 - 2,5**	6,3x0,8	4,3	9,5	22,2	6,8	6,3	7,8	8,0	PVC	0,150	500	100	
260411	**4,0 - 6,0**	6,3x0,8	4,3	9,5	22,2	6,8	6,3	7,8	8,0	PVC	0,280	500	100	

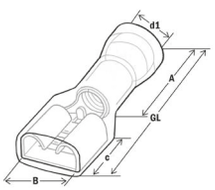


Socket sleeves (female), fully-insulated

- **Brass, tin-plated, PVC-insulated**
- **with vibration-free copper sleeve • Easy Entry**

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU	
260414	**0,5 - 1,0**	6,3x0,8	2,7	11,0	22,0	6,8	6,6	PVC	0,129	500	100	
260415		4,8x0,8	2,7	11,0	20,0	6,0	5,0	PVC	0,100	500	100	
260416	**1,5 - 2,5**	6,3x0,8	3,2	11,0	22,0	6,8	6,6	PVC	0,130	500	100	
260417		4,8x0,8	3,2	11,0	20,0	6,0	5,0	PVC	0,110	500	100	
260418	**4,0 - 6,0**	6,3x0,8	3,8	14,0	25,0	6,8	6,6	PVC	0,220	500	100	

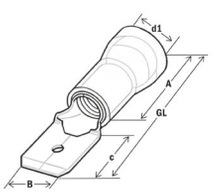


Flat terminals

- **Brass, tin-plated, PVC-insulated**
- **with vibration-free copper sleeve • Easy Entry**

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU	
260510	**0,5 - 1,0**	2,8x0,5	3,8	10,5	19,2	6,5	2,8	PVC	0,060	500	100	
260512		2,8x0,8	3,8	10,5	19,2	6,5	2,8	PVC	0,065	500	100	
260514		4,8x0,5	3,8	10,5	19,2	6,5	4,8	PVC	0,075	500	100	
260516		4,8x0,8	3,8	10,5	19,2	6,7	4,8	PVC	0,080	500	100	
260422 ✷		6,3x0,8	3,5	10,0	20,5	7,7	6,3	PVC	0,090	500	100	
260518	**1,5 - 2,5**	4,8x0,5	3,8	10,5	19,2	6,5	4,8	PVC	0,085	500	100	
260520		4,8x0,8	3,8	10,5	19,2	6,7	4,8	PVC	0,090	500	100	
260424 ✷		6,3x0,8	4,0	10,0	20,5	7,7	6,3	PVC	0,100	500	100	
260426 ✷	**4,0 - 6,0**	6,3x0,8	5,5	13,5	24,5	7,7	6,3	PVC	0,180	500	100	

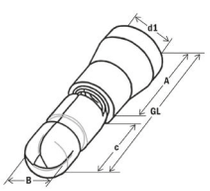


Round terminals

- **of electrolytic copper, tin-plated • Easy Entry**
- **PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables**

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU	
260446	**0,5 - 1,0**	4 mm	3,5	9,5	20,2	8,7	4,0	PVC	0,090	500	100	
260448	**1,5 - 2,5**	5 mm	4,3	9,5	20,7	8,7	5,0	PVC	0,110	500	100	
260449		4 mm	4,3	9,5	20,2	8,7	4,0	PVC	0,100	500	100	
260450	**4,0 - 6,0**	5 mm	6,5	13,5	25,0	10,0	5,0	PVC	0,170	500	100	



haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

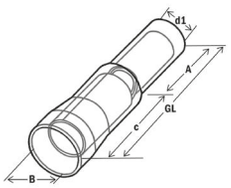
Crimp terminals, PVC-insulated

RoHS

Round sleeves

- **of electrolytic copper, tin-plated • Easy Entry**
- **PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables**

PVC >75°/600V



Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
260440	**0,5 - 1,0**	4 mm	3,5	9,5	20,2	8,7	4,0	PVC	0,130	500	100
260442	**1,5 - 2,5**	5 mm	4,3	9,5	20,7	8,7	5,0	PVC	0,150	500	100
260443		4 mm	4,3	9,5	20,2	8,7	4,0	PVC	0,130	500	100
260444	**4,0 - 6,0**	5 mm	6,5	13,0	25,0	12,0	5,0	PVC	0,250	500	100

Rapid connectors

- **of electrolytic copper, tin-plated**
- **Polypropylene**

Art. no.	CSS	A	TL	kg/100		PU
260336 ✸	**0,5 - 1,0**	13,5	20,0	0,130		100
260500		13,5	20,5	0,100		100
260337	**1,5 - 2,5**	13,5	20,5	0,130		100
260502		17,0	10,0	0,120		100
260338	**4,0 - 6,0**	17,0	10,0	0,290		100
260504		17,0	10,0	0,140		100

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

INFO

Counter display for small packages

Small package in resealable, transparent plastic packaging with blister hanger.
Ideally suited to sale on space-saving counter stands and small display units.

Counter display

- **Ring terminals • Butt connectors**
- **Twin-end sleeves • Shrinkable connectors**
- **Socket sleeves (female)**

Art. no.	Contents	L	W	H	kg	VE
300169	**350 SmallPacks, various**	410	580	180	9,500	1

Crimp terminals, PVC-insulated

Ring terminals DIN 46237 „SmallPack“

- **of electrolytic copper, tin-plated • Easy Entry**
- **PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables**

PVC +75°/600V

Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
260256/10	**0,5 - 1,0**	4	4,2	1,95	4,2	0,8	10,4	22,0	7,5	8,0	0,096	100	10
260258/10		5	5,2	1,95	4,2	0,8	10,4	22,4	8,0	8,0	0,096	100	10
260270/10	**1,5 - 2,5**	4	4,2	2,45	4,8	0,8	11,0	23,0	8,0	8,0	0,092	100	10
260272/10		5	5,2	2,45	4,8	0,8	11,0	26,0	9,8	10,0	0,111	100	10
260274/10		6	6,2	2,45	4,8	0,8	11,0	28,0	11,7	11,0	0,123	100	10
260288/10	**4,0 - 6,0**	6	6,2	3,5	6,6	1,0	14,0	30,6	11,0	11,0	0,196	100	10
260290/10		8	8,2	3,5	6,6	1,0	14,0	37,0	15,3	15,0	0,243	100	10

Fork terminals DIN 46237 „SmallPack“

- **of electrolytic copper, tin-plated · Easy Entry**
- **PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables**

PVC +75°/600V

Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
260304/10	**0,5 - 1,0**	4	4,2	1,95	4,2	0,8	10,4	20,9	6,3	6,4	0,100	100	10
260306/10		5	5,2	1,95	4,2	0,8	10,4	21,2	8,0	8,0	0,100	100	10
260314/10	**1,5 - 2,5**	4	4,2	2,45	4,8	0,8	11,0	20,3	5,3	6,6	0,100	100	10
260316/10		5	5,2	2,45	4,8	0,8	11,0	25,0	9,5	9,1	0,100	100	10
260324/10	**4,0 - 6,0**	6	6,3	3,5	6,6	1,0	14,0	29,5	11,0	11,0	0,200	100	10

Butt connectors „SmallPack“

- **of electrolytic copper, tin-plated · Easy Entry**
- **PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables**

PVC +75°/600V

Art. no.	CSS	d1	d4	A	TL		kg/100		PU
260350/10	**0,5 - 1,0**	1,7	4,0	15	22,7		0,110	100	10
260352/10	**1,5 - 2,5**	2,3	4,5	15	22,7		0,130	100	10
260354/10	**4,0 - 6,0**	3,4	6,8	15	26,7		0,230	100	10

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

Socket sleeves (female) „SmallPack“

- **Brass, tin-plated, PVC-insulated**
- **with vibration-free copper sleeve • Easy Entry**

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
260386/10	**0,5 - 1,0**	4,8x0,8	3,5	9,5	18,7	6,0	5,0	PVC	0,100	100	10
260392/10		6,3x0,8	3,5	9,5	20,5	7,8	6,6	PVC	0,100	100	10
260390/10	**1,5 - 2,5**	4,8x0,8	4,3	9,5	18,7	6,0	5,0	PVC	0,100	100	10
260394/10		6,3x0,8	4,3	9,5	20,5	7,8	6,6	PVC	0,120	100	10
260396/10	**4,0 - 6,0**	6,3x0,8	6,2	13,5	24,5	7,8	6,6	PVC	0,190	100	10

Socket sleeves (female), fully-insulated

- **Brass, tin-plated, PVC-insulated**
- **with vibration-free copper sleeve • Easy Entry**

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
260414/10	**0,5 - 1,0**	6,3x0,8	2,7	11,0	22,0	6,8	6,6	PVC	0,129	100	10
260416/10	**1,5 - 2,5**	6,3x0,8	3,2	11,0	22,0	6,8	6,6	PVC	0,130	100	10

Flat terminals „SmallPack“

- **Brass, tin-plated, PVC-insulated**
- **with vibration-free copper sleeve • Easy Entry**

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
260516/10	**0,5 - 1,0**	4,8x0,8	3,8	10,5	19,2	6,7	4,8	PVC	0,100	100	10
260422/10		6,3x0,8	3,5	10,0	20,5	7,7	6,3	PVC	0,090	100	10
260520/10	**1,5 - 2,5**	4,8x0,8	3,8	10,5	19,2	6,7	4,8	PVC	0,100	100	10
260424/10		6,3x0,8	4,0	10,0	20,5	7,7	6,3	PVC	0,100	100	10
260426/10	**4,0 - 6,0**	6,3x0,8	5,5	13,5	24,5	7,7	6,3	PVC	0,180	100	10

Round terminals „SmallPack“

- **of electrolytic copper, tin-plated • Easy Entry**
- **PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables**

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
260448/10	**0,5 - 1,0**	6,3x0,8	2,7	11,0	22,0	6,8	6,6	PVC	0,129	100	10

Round sleeves „SmallPack“

- **of electrolytic copper, tin-plated • Easy Entry**
- **PVC-insulated, with expanded insulating sleeve, suitable for harmonised cables**

PVC >75°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
260442/10	**1,5 - 2,5**	5 mm	4,3	9,5	20,7	8,7	5,0	PVC	0,200	100	10

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

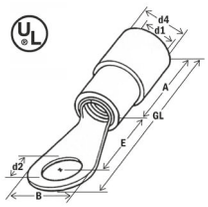
Best-seller Premium product

RoHS

Ring terminals DIN 46237

- of electrolytic copper, tin-plated, soldered • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon -105°/600V

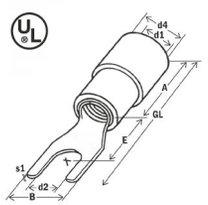


Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU	
260650	**0,5 - 1,0**	2,5	2,6	1,95	4,2	0,8	10,4	22,2	8,6	8,0	0,072	500	100	
260651		3	3,2	1,95	4,2	0,8	10,4	22,2	8,6	8,0	0,070	500	100	
260654		3,5	3,6	1,95	4,2	0,8	10,4	22,2	7,8	8,0	0,067	500	100	
260656		4	4,2	1,95	4,2	0,8	10,4	22,0	7,5	8,0	0,079	500	100	
260658		5	5,2	1,95	4,2	0,8	10,4	22,4	8,0	8,0	0,096	500	100	
260660		6	6,2	1,95	4,2	0,8	10,4	23,7	8,6	10,0	0,105	500	100	
260662		8	8,3	1,95	4,2	0,8	10,4	30,0	12,6	14,0	0,136	500	100	
260664		10	10,4	1,95	4,2	0,8	10,4	30,0	12,8	14,0	0,103	500	100	
260665	**1,5 - 2,5**	2,5	2,6	2,45	4,8	0,8	11,0	23,0	8,0	8,0	0,100	500	100	
260666		3	3,2	2,45	4,8	0,8	11,0	23,0	8,0	8,0	0,110	500	100	
260667		3,5	3,7	2,45	4,8	0,8	11,0	23,0	8,0	8,0	0,080	500	100	
260670		4	4,2	2,45	4,8	0,8	11,0	23,0	8,0	8,0	0,088	500	100	
260672		5	5,2	2,45	4,8	0,8	11,0	26,0	9,8	10,0	0,107	500	100	
260674		6	6,2	2,45	4,8	0,8	11,0	28,0	11,7	11,0	0,120	500	100	
260676		8	8,2	2,45	4,8	0,8	11,0	33,0	14,5	15,0	0,142	500	100	
260678		10	10,5	2,45	4,8	0,8	11,0	33,0	14,5	15,0	0,133	500	100	
260682	**4,0 - 6,0**	3,5	3,7	3,5	6,6	1,0	14,0	26,5	8,4	8,0	0,150	500	100	
260684		4	4,2	3,5	6,6	1,0	14,0	26,5	8,4	8,0	0,165	500	100	
260686		5	5,2	3,5	6,6	1,0	14,0	29,6	10,2	10,0	0,182	500	100	
260688		6	6,2	3,5	6,6	1,0	14,0	30,6	11,0	11,0	0,190	500	100	
260690		8	8,2	3,5	6,6	1,0	14,0	37,0	15,3	15,0	0,237	500	100	
260692		10	10,5	3,5	6,6	1,0	14,0	40,0	16,5	19,0	0,311	500	100	

Fork terminals DIN 46237

- of electrolytic copper, tin-plated, soldered • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon -105°/600V

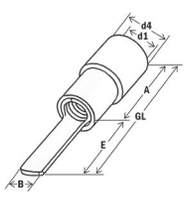


Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU	
260700	**0,5 - 1,0**	3	3,2	1,95	4,2	0,8	10,4	20,0	6,7	5,6	0,068	500	100	
260702		3,5	3,7	1,95	4,2	0,8	10,4	19,4	6,5	6,5	0,066	500	100	
260704		4	4,2	1,95	4,2	0,8	10,4	20,9	6,3	6,4	0,071	500	100	
260706		5	5,2	1,95	4,2	0,8	10,4	21,2	8,0	8,0	0,092	500	100	
260708		6	6,2	1,95	4,2	0,8	10,4	22,4	8,3	9,2	0,080	500	100	
260710	**1,5 - 2,5**	3	3,2	2,45	4,8	0,8	11,0	23,0	8,4	5,6	0,079	500	100	
260712		3,5	3,7	2,45	4,8	0,8	11,0	20,3	5,3	6,6	0,086	500	100	
260714		4	4,2	2,45	4,8	0,8	11,0	20,3	5,3	6,6	0,084	500	100	
260716		5	5,2	2,45	4,8	0,8	11,0	25,0	9,5	9,1	0,110	500	100	
260718		6	6,3	2,45	4,8	0,8	11,0	27,0	11,2	10,0	0,170	500	100	
260721	**4,0 - 6,0**	4	4,2	3,5	6,6	1,0	14,0	26,0	7,2	8,1	0,157	500	100	
260722		5	5,2	3,5	6,6	1,0	14,0	28,5	10,5	9,0	0,179	500	100	
260724		6	6,3	3,5	6,6	1,0	14,0	29,5	11,0	11,0	0,190	500	100	
260726		8	8,2	3,5	6,6	1,0	14,0	35,2	15,0	15,2	0,230	500	100	
260728		10	10,5	3,5	6,6	1,0	14,0	38,0	16,6	19,0	0,273	500	100	

Socket sleeves (male) DIN 46231

- of electrolytic copper, tin-plated, soldered • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon -105°/600V



Art. no.	CSS	d1	d4	A	TL	E	B		kg/100		PU	
260730	**0,5 - 1,0**	1,7	4,2	10,4	19,4	9,0	2,8		0,059	500	100	
260731		1,7	4,2	10,4	24,9	14,5	3,0		0,072	500	100	
260732	**1,5 - 2,5**	2,3	4,8	10,4	19,4	9,0	2,8		0,067	500	100	
260733		2,3	4,8	10,4	26,4	16,0	2,8		0,084	500	100	
260734	**4,0 - 6,0**	3,4	6,8	13,5	23,5	10,0	2,8		0,160	500	100	
260735		3,4	6,8	13,5	31,7	18,2	4,5		0,173	500	100	

haupa®

...convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

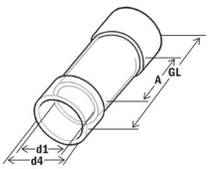
Crimp terminals, Nylon-insulated

RoHS

Butt connectors

- of electrolytic copper, tin-plated • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon >105°/600V

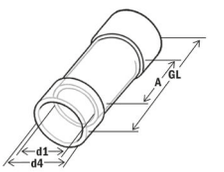


Art. no.	CSS	d1	d4	A	TL	kg/100		PU
260750	**0,5 - 1,0**	1,7	4,0	15,0	22,7	0,103	500	100
260752	**1,5 - 2,5**	2,3	4,5	15,0	22,7	0,128	500	100
260754	**4,0 - 6,0**	3,4	6,8	15,0	26,7	0,221	500	100

Parallel connectors

- of electrolytic copper, tin-plated • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon >105°/600V

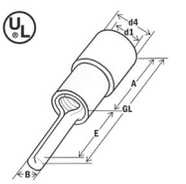


Art. no.	CSS	d1	d4	A	TL	kg/100		PU
263360	**0,5 - 1,0**	1,7	4,0	8,0	16,0	0,069	500	100
263362	**1,5 - 2,5**	2,3	4,5	8,0	16,0	0,080	500	100
263364	**4,0 - 6,0**	3,4	6,8	8,0	16,0	0,150	500	100

Round pins

- of electrolytic copper, tin-plated • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon >105°/600V

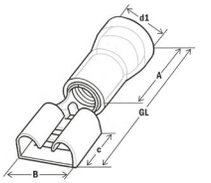


Art. no.	CSS	d1	d4	A	TL	E	B	kg/100		PU
260770	**0,5 - 1,0**	1,95	4,2	10,4	22,0	12	1,9	0,072	500	100
260771		1,95	4,2	10,4	20,0	9,0	1,9	0,064	500	100
260772	**1,5 - 2,5**	2,45	4,8	11,0	23,0	12,0	1,9	0,079	500	100
260773		2,45	4,8	11,0	20,0	9,0	1,9	0,074	500	100
260774	**4,0 - 6,0**	3,6	6,6	14,0	28,0	14,0	2,7	0,078	500	100

Socket sleeves (female)

- Brass, tin-plated, Nylon-insulated
- with vibration-free copper sleeve • Easy Entry

Nylon >105°/600V



Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
263380	**0,5 - 1,0**	2,8x0,5	3,5	9,5	17,9	6,4	3,2	Nylon	0,070	500	100
263382		2,8x0,8	3,5	9,5	17,9	6,4	3,2	Nylon	0,077	500	100
263384		4,8x0,5	3,5	9,5	18,7	6,0	5,0	Nylon	0,080	500	100
263386		4,8x0,8	3,5	9,5	18,7	6,0	5,0	Nylon	0,080	500	100
263400		5,2x0,8	3,5	9,5	18,7	6,4	5,5	Nylon	0,090	500	100
263392		6,3x0,8	3,5	9,5	20,5	7,8	6,6	Nylon	0,100	500	100
263388	**1,5 - 2,5**	4,8x0,5	4,3	9,5	18,7	6,0	5,0	Nylon	0,090	500	100
263393		4,8x0,8	4,3	9,5	18,7	6,0	5,0	Nylon	0,100	500	100
263402		5,2x0,8	4,3	9,5	18,7	6,4	5,5	Nylon	0,090	500	100
263394		6,3x0,8	4,3	9,5	20,5	7,8	6,6	Nylon	0,110	500	100
263396	**4,0 - 6,0**	6,3x0,8	6,2	13,5	24,5	7,8	6,6	Nylon	0,190	500	100
263404		9,8x1,1	6,2	13,5	29,2	12,0	10,0	Nylon	0,260	500	100

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Crimp terminals, Nylon-insulated

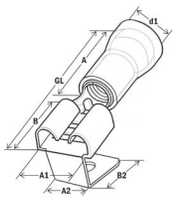
RoHS

Socket sleeves (female) with branch

- Brass, tin-plated, Nylon-insulated
- with vibration-free copper sleeve • Easy Entry

Nylon >105°/600V

Art. no.	CSS	plug	d1	A	TL	A1	A2	B	B2	material	kg/100		PU
263410	**0,5 - 1,0**	6,3x0,8	3,5	9,5	22,2	6,8	6,3	7,8	8	Nylon	0,140	500	100
263412	**1,5 - 2,5**	6,3x0,8	4,3	9,5	22,2	6,8	6,3	7,8	8,0	Nylon	0,150	500	100
263413	**4,0 - 6,0**	6,3x0,8	4,3	9,5	22,2	6,8	6,3	7,8	8,0	Nylon	0,200	500	100

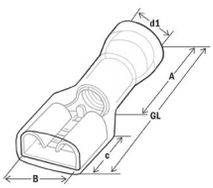


Socket sleeves (female), fully-insulated

- Brass, tin-plated, Nylon-insulated
- with vibration-free copper sleeve - Easy Entry

Nylon >105°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
263451	**0,5 - 1,0**	2,8x0,5	4,0	11,0	19,5	6,5	3,2	Nylon	0,085	500	100
263452		2,8x0,8	4,0	11,0	19,5	6,5	3,2	Nylon	0,086	500	100
263453		4,8x0,5	4,0	11,0	20,2	6,4	5,0	Nylon	0,088	500	100
263414		6,3x0,8	4,0	11,0	21,5	7,5	6,6	Nylon	0,120	500	100
263415		4,8x0,8	4,0	11,0	20,2	6,4	5,0	Nylon	0,100	500	100
263456	**1,5 - 2,5**	4,8x0,5	5,0	11,0	20,2	6,4	5,0	Nylon	0,104	500	100
263416		6,3x0,8	5,0	11,0	21,5	7,5	6,6	Nylon	0,130	500	100
263417		4,8x0,8	5,0	11,0	20,2	6,4	5,0	Nylon	0,110	500	100
263418	**4,0 - 6,0**	6,3x0,8	6,5	13,0	24,2	7,5	6,6	Nylon	0,220	500	100

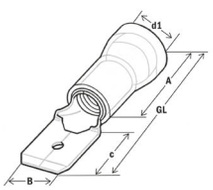


Flat terminals

- Brass, tin-plated, Nylon-insulated
- with vibration-free copper sleeve - Easy Entry

Nylon >105°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
263510	**0,5 - 1,0**	2,8x0,5	3,8	10,5	19,2	6,5	2,8	Nylon	0,068	500	100
263512		2,8x0,8	3,5	10,5	19,2	6,5	2,8	Nylon	0,066	500	100
263514		4,8x0,5	3,8	10,5	10,5	6,5	4,8	Nylon	0,076	500	100
263516		4,8x0,8	3,8	10,5	19,2	6,7	4,8	Nylon	0,077	500	100
263422		6,3x0,8	3,5	10,0	20,5	7,7	6,3	Nylon	0,090	500	100
263518	**1,5 - 2,5**	4,8x0,5	3,8	10,5	19,2	6,5	4,8	Nylon	0,080	500	100
263520		4,8x0,8	3,8	10,5	19,2	6,7	4,8	Nylon	0,086	500	100
263424		6,3x0,8	4,0	10,0	20,5	7,7	6,3	Nylon	0,100	500	100
263426	**4,0 - 6,0**	6,3x0,8	5,5	13,5	24,5	7,7	6,3	Nylon	0,180	500	100

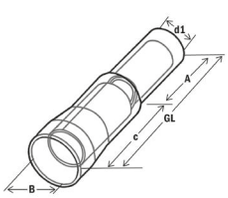


Round sleeves

- of electrolytic copper, tin-plated • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon >105°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
263440	**0,5 - 1,0**	4 mm	3,5	9,5	20,2	8,7	4,0	Nylon	0,130	500	100
263442	**1,5 - 2,5**	5 mm	4,3	9,5	20,7	8,7	5,0	Nylon	0,150	500	100
263443		4 mm	4,3	9,5	20,2	87	4,0	Nylon	0,130	500	100
263444	**4,0 - 6,0**	5 mm	6,5	13,0	25,0	12,0	5,0	Nylon	0,200	500	100



haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

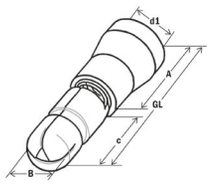
Crimp terminals, Nylon-insulated

Round terminals

- of electrolytic copper, tin-plated • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon >105°/600V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
263446	**0,5 - 1,0**	4 mm	3,5	9,5	20,2	8,7	4,0	Nylon	0,090	500	100
263448	**1,5 - 2,5**	5 mm	4,3	9,5	20,7	8,7	5,0	Nylon	0,110	500	100
263449		4 mm	4,3	9,5	20,2	8,7	4,0	Nylon	0,100	500	100
263450	**4,0 - 6,0**	5 mm	6,5	13,5	25,0	10,0	5,0	Nylon	0,200	500	100

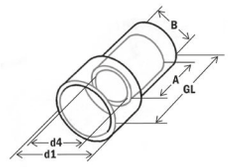


End connectors

- of electrolytic copper, tin-plated
- Nylon-insulated

Nylon >105°/600V

Art. no.		CSS	d1	d4	A	TL	B		kg/100		PU
260427	*	**0,5 - 1,0**	6,2	2,2	8,0	15,2	5,0		0,060	500	100
260428		**1,5 - 2,5**	6,5	2,5	8,0	15,2	5,9		0,065	500	100
260430		**4,0 - 6,0**	9,4	3,5	8,5	17,8	7,3		0,125	500	100
260431		**10**	12,0	4,6	9,5	22,2	9,3		0,260	500	100



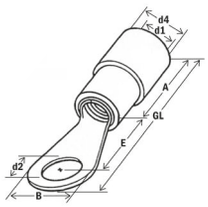
RoHS

Ring terminals DIN 46237

- of electrolytic copper, tin-plated, soldered • suitable for harmonised cables
- PC-insulated, with expanded insulating sleeve • Easy Entry

PC >125°/600V

Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
340256	**0,5 - 1,0**	4	4,3	1,6	4,0	0,8	11,0	22,0	7,0	8,0	0,170	500	100
340258		5	5,3	1,6	4,0	0,8	11,0	24,0	8,0	10,0	0,220	500	100
340270	**1,5 - 2,5**	4	4,3	2,3	4,5	0,8	11,0	22,0	7,0	8,0	0,220	500	100
340272		5	5,3	2,3	4,5	0,8	11,0	25,0	9,0	10,0	0,250	500	100
340274		6	6,5	2,3	4,5	0,8	11,0	27,5	11,0	11,0	0,130	500	100
340288	**4,0 - 6,0**	6	6,5	3,6	6,4	1,0	13,0	28,5	10,0	11,0	0,200	500	100
340290		8	8,4	3,6	6,4	1,0	13,0	33,0	13,0	14,0	0,280	500	100

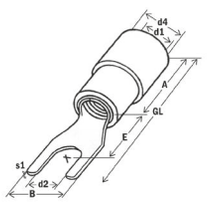


Fork terminals DIN 46237

- of electrolytic copper, tin-plated, soldered • suitable for harmonised cables
- PC-insulated, with expanded insulating sleeve • Easy Entry

PC >125°/600V

Art. no.	CSS	M	d2	d1	s1	A	TL	E	B	kg/100		PU
340304	**0,5 - 1,0**	4	4,3	1,6	0,8	11,0	22,3	7,0	6,6	0,105	500	100
340314	**1,5 - 2,5**	4	4,3	2,3	0,8	11,0	22,3	7,0	6,6	0,200	500	100
340322	**4,0 - 6,0**	6	6,5	3,6	1,0	13,0	29,5	10,0	10,7	0,220	500	100

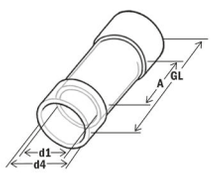


Butt connectors

- of electrolytic copper, tin-plated, soldered • suitable for harmonised cables
- PC-insulated, with expanded insulating sleeve • Easy Entry

PC >125°/600V

Art. no.	CSS	d1	d4	A	TL		kg/100		PU
340350	**0,5 - 1,0**	1,7	4,0	14,7	25,0		0,110	500	100
340352	**1,5 - 2,5**	2,3	4,5	14,7	25,0		0,130	500	100
340354	**4,0 - 6,0**	3,4	6,3	14,7	27,0		0,240	500	100

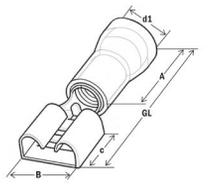


Socket sleeves (female)

- Brass, tin-plated • PC-insulated
- with vibration-free copper sleeve • Easy Entry

PC >125°/300V

Art. no.	CSS	plug	d1	A	TL	c	B		kg/100		PU
340392	**0,5 - 1,0**	6,3x0,8	4,0	11,0	21,5	7,5	6,6		0,080	500	100
340394	**1,5 - 2,5**	6,3x0,8	4,5	11,0	21,5	7,5	6,6		0,085	500	100
340396	**4,0 - 6,0**	6,3x0,8	6,3	13,0	23,5	7,5	6,6		0,230	500	100



haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Crimp terminals, PC-insulated

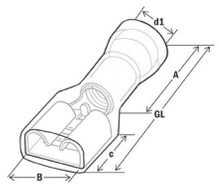
RoHS

Socket sleeves (female), fully-insulated

- **Brass, tin-plated • PC-insulated**
- **with vibration-free copper sleeve • Easy Entry**

PC >125°/300V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
340414	**0,5 - 1,0**	6,3x0,8	4,0	10,0	21,5	7,5	6,6	PC	0,090	500	100
340416	**1,5 - 2,5**	6,3x0,8	4,5	10,0	21,5	7,5	6,6	PC	0,100	500	100

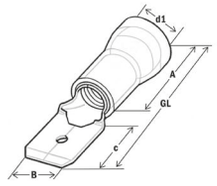


Flat terminals

- **Brass, tin-plated • PC-insulated**
- **with vibration-free copper sleeve • Easy Entry**

PC >125°/300V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
340422	**0,5 - 1,0**	6,3x0,8	4,0	11,0	22,0	7,7	6,35	PC	0,150	500	100
340424	**1,5 - 2,5**	6,3x0,8	4,5	11,0	22,0	7,7	6,35	PC	0,155	500	100
340426	**4,0 - 6,0**	6,3x0,8	6,3	13,0	24,0	7,7	6,35	PC	0,260	500	100



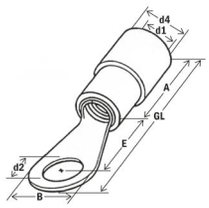
RoHS

Ring terminals “ECO-Line”

• of electrolytic copper, tin-plated, not soldered • PVC-insulated, with expanded insulating sleeve • suitable for harmonised cables

PVC ECO-Line +75°/300V

Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
370256	**0,5 - 1,0**	4	4,3	1,7	4,0	0,75	10,0	19,4	6,3	6,6	0,130	500	100
370258		5	5,3	1,7	4,0	0,75	10,0	20,8	7,0	8,0	0,130	500	100
370270	**1,5 - 2,5**	4	4,3	2,3	4,5	0,8	10,0	19,4	6,3	6,6	0,150	500	100
370272		5	5,3	2,3	4,5	0,8	10,0	21,8	7,8	8,5	0,170	500	100
370274		6	6,4	2,3	4,5	0,8	10,0	26,8	11,0	12,0	0,135	500	100
370288	**4,0 - 6,0**	6	6,4	2,3	4,5	0,8	10,0	26,8	11,0	12,0	0,210	500	100
370290		8	8,4	3,4	6,4	1,0	13,0	34,0	13,3	15,0	0,260	500	100

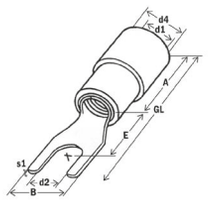


Fork terminals “ECO-Line”

• of electrolytic copper, tin-plated, not soldered • PVC-insulated, with expanded insulating sleeve • suitable for harmonised cables

PVC ECO-Line +75°/300V

Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
370304	**0,5 - 1,0**	4	4,3	1,7	4,0	0,75	10,0	21,0	6,5	6,4	0,150	500	100
370314	**1,5 - 2,5**	4	4,3	2,3	4,5	0,8	10,0	21,0	6,5	6,4	0,170	500	100
370322	**4,0 - 6,0**	6	6,4	3,4	6,4	1,0	13,0	25,5	7,0	9,0	0,160	500	100

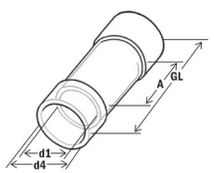


Butt connectors “ECO-Line”

• of electrolytic copper, tin-plated • PVC-insulated, with expanded insulating sleeve
• suitable for harmonised cables

PVC ECO-Line +75°/300V

Art. no.	CSS	d1	d4	A	TL		kg/100		PU
370350	**0,5 - 1,0**	1,7	4,0	14	24,6		0,081	500	100
370352	**1,5 - 2,5**	2,5	4,5	14	24,6		0,103	500	100
370354	**4,0 - 6,0**	3,4	6,3	14	26,5		0,173	500	100

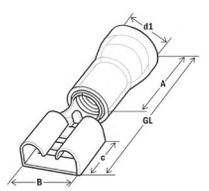


Socket sleeves (female) “ECO-Line”

• Brass, tin-plated • PVC-insulated
• with vibration-free copper sleeve

PVC ECO-Line +75°/300V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
370392	**0,5 - 1,0**	6,3x0,8	4,0	10,0	20,5	7,5	6,6	PVC	0,070	500	100
370394	**1,5 - 2,5**	6,3x0,8	4,5	10,0	20,5	7,5	6,6	PVC	0,077	500	100
370396	**4,0 - 6,0**	6,3x0,8	5,5	13,0	23,5	7,5	6,6	PVC	0,097	500	100



Crimp terminals, PVC-insulated

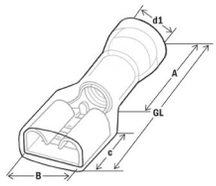
RoHS

Socket sleeves (female), fully-insulated “ECO-Line”

- **Brass, tin-plated • PVC-insulated**
- **with vibration-free copper sleeve**

PVC ECO-Line >75°/300V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
370414	**0,5 - 1,0**	6,3x0,8	4,0	10,0	22,0	7,5	6,6	PVC	0,113	500	100
370416	**1,5 - 2,5**	6,3x0,8	4,5	10,0	22,0	7,5	6,6	PVC	0,102	500	100

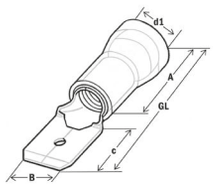


Flat terminals “ECO-Line”

- **Brass, tin-plated • PVC-insulated**
- **with vibration-free copper sleeve**

PVC ECO-Line >75°/300V

Art. no.	CSS	plug	d1	A	TL	c	B	material	kg/100		PU
370422	**0,5 - 1,0**	6,3x0,8	4,0	10,0	21,0	7,7	6,35	PVC	0,058	500	100
370424	**1,5 - 2,5**	6,3x0,8	4,5	10,0	21,0	7,7	6,35	PVC	0,064	500	100
370426	**4,0 - 6,0**	6,3x0,8	5,5	13,0	24,0	7,7	6,35	PVC	0,088	500	100



RoHS

INFO

Shrinkable connectors

These shrinkable connectors are an insulated connecting element for the production of cable connections and circuit points. Their outstanding properties are based on the use of a Polyolefi n shrinkable tube, which is coated with a special adhesive on the inside, which protects the metal crimp connections from environmental infl uences. These connectors or terminal clamps are used wherever a reliable connection is needed under severe environmental conditions.
The shrinkable connectors of the HAUPA-SHRINK series combine crimp technology with the completely waterproof shrink technology in one part: crimp first – **then shrink and make waterproof!**

USE: To create simple, durable and weatherproof electrical connections. Particularly suitable well as in the motor vehicle, agricultural machinery and commercial vehicle sector.

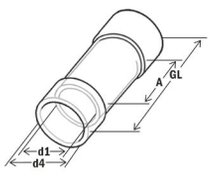
SPECIAL FEATURE: The fusible inside adhesive cover provides excellent durability and is safer than traditional connectors.

SUITABLE FOR MAKING WATERPROOF CONNECTIONS: • Shrink ratio 3:1 • Shrink temperature: >+125°C • Temperature resistance: -55°C to + 125°C • Insulating sleeve: Polyolefi n with inside adhesive • Non-halogen • RoHS conform • No additional insulating and sealing required • Waterproof splice connection • Space-saving and compact • Extremely high strain relief • Easy installation • Full visual testing possible

INSTRUCTIONS: The connector is crimped and then shrunk using a hot air blower (with deflector page 196).
The connection Check whether the fusible inside adhesive comes out on the sides to ensure optimal tightness.

Butt connectors

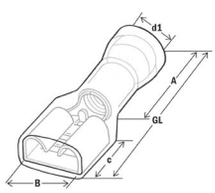
- **Copper, tin-plated • Insulating cover: Polyolefin with inside adhesive**
- **RoHS conform**



Art. no.		CSS	A	TL	kg/100		PU	
363500	*	**0,5 - 1,0**	14	36	0,120	500	100	
363502	*	**1,5 - 2,5**	15	36	0,132	500	100	
363504	*	**4,0 - 6,0**	15	41	0,300	500	100	

Socket sleeves (female)

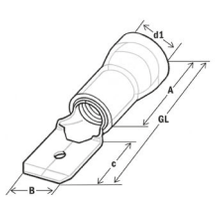
- **Brass, tin-plated • Insulating cover: Polyolefin with inside adhesive**
- **RoHS conform**



Art. no.	CSS	plug	TL	B	kg/100		PU	
363510	**0,5 - 1,0**	6,3x0,8	30,0	6,6	0,129	500	100	
363512	**1,5 - 2,5**	6,3x0,8	30,0	6,6	0,138	500	100	
363514	**4,0 - 6,0**	6,3x0,8	30,0	6,6	0,200	500	100	

Flat terminals

- **Brass, tin-plated • Insulating cover: Polyolefin with inside adhesive**
- **RoHS conform**



Art. no.	CSS	plug	TL	B	kg/100		PU	
363520	**0,5 - 1,0**	6,3x0,8	30,0	6,6	0,092	500	100	
363522	**1,5 - 2,5**	6,3x0,8	30,0	6,6	0,106	500	100	
363524	**4,0 - 6,0**	6,3x0,8	30,0	6,6	0,159	500	100	

haupa®

... convincing solutions

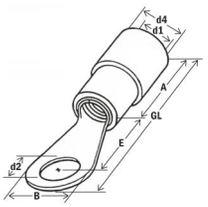
HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Shrinkable connectors, Polyolefin-insulated

RoHS

Ring terminals

- **Copper, tin-plated • Insulating cover: Polyolefin with inside adhesive**
- **RoHS conform**



Art. no.	CSS	M	d2	TL	B	kg/100		PU	
363530	**0,5 - 1,0**	4	4,3	28,5	8,0	0,073	500	100	
363532		5	5,3	28,5	8,0	0,066	500	100	
363534		6	6,5	34,5	11,6	0,104	500	100	
363536		8	8,4	34,5	11,6	0,089	500	100	
363538		10	10,5	37,5	13,6	0,112	500	100	
363540	**1,5 - 2,5**	4	4,3	30,5	8,5	0,085	500	100	
363542		5	5,3	30,5	9,5	0,083	500	100	
363544		6	6,5	35,5	12,0	0,122	500	100	
363546		8	8,4	35,5	12,0	0,118	500	100	
363548		10	10,5	37,5	13,6	0,128	500	100	
363550	**4,0 - 6,0**	4	4,3	34,2	9,5	0,173	500	100	
363552		5	5,3	34,0	9,5	0,172	500	100	
363554		6	6,5	37,5	12,0	0,201	500	100	
363556		8	8,4	42,0	15,0	0,251	500	100	
363558		10	10,5	42,0	15,0	0,226	500	100	

Shrink connectors

Butt connectors „SmallPack“

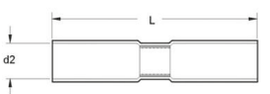
- **Copper, tin-plated • RoHS-conform**
- **Insulating cover: Polyolefin with inside adhesiver**

Art. no.	CSS	A	TL	kg/100		PU	
363500/10	**0,5 - 1,0**	14	36	0,120	100	10	
363502/10	**1,5 - 2,5**	15	36	0,132	100	10	
363504/5	**4,0 - 6,0**	15	41	0,300	50	5	

Welded shrink connectors

Welded shrink connectors

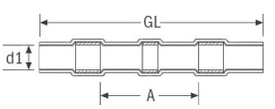
- **Copper, tin-plated • Insulating cover: Polyolefin with inside adhesive**
- **RoHS conform**



Art. no.	CSS	d4	TL	kg/100		PU	
363600	**0,5 - 1,0**	4,2	37	0,090	500	100	
363602	**1,5 - 2,5**	4,7	37	0,110	500	100	
363604	**4,0 - 6,0**	6,0	42	0,160	500	100	

Welded shrink connector, transparent

- **Copper, tin-plated • RoHS conform**
- **Insulating cover: Polyolefin with inside adhesive • transparent**



Art. no.	CSS	d1	A	TL	kg/100		PU	
363606	**0,5 - 1,0**	2,7	15,2	42	0,090	500	100	
363607	**1,5 - 2,5**	4,5	15,2	42	0,110	500	100	
363608	**4,0 - 6,0**	6,0	15,2	42	0,160	500	100	

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

RoHS

Assortment of insulated terminals

Content: 1.250 crimping terminals, crimping pliers (art. no. 210761), crimp 0,5 - 6,0 mm², in plastic bulk storage chest 415 x 335 x 90 mm.
100 insulated ring terminals 0,25-1,5 M3 260252
100 insulated ring terminals 0,25-1,5 M4 260256
100 insulated ring terminals 0,25-1,5 M5 260258
100 insulated ring terminals 1,5-2,5 M4 260270
100 insulated ring terminals 1,5-2,5 M5 260272
50 insulated ring terminals 1,5-2,5 M6 260274
100 insulated ring terminals 2,5-6 M5 260286
50 insulated ring terminals 2,5-6 M6 260288
50 insulated fork type 0,25-1,5 M4 260304
50 insulated fork type 1,5-2,5 M4 260314
50 insulated fork type 2,5-6 M5 260322
50 insulated butt connectors 0,25-1,5 260350
50 insulated butt connectors 1,5-2,5 260352
50 insulated butt connectors 2,5-6 260354
50 insulated round pin 0,25-1,5 260370
50 insulated round pin 1,5-2,5 260372
50 insulated round pin 2,5-6 260374
50 insul. socket sl. 1,5-2,5/6,3x0,8 260394
50 insul. flat term. 1,5-2,5/6,3x0,8 260424

Art. no.	Content	Insulation	kg	PU
260762	1250	PVC	3,139	1

Assortment of insulated terminals

Content: 1250 insulated terminals, 1 crimping pliers (art. 210802), press range 1.5 - 6 mm², in plastic bulk storage chest.
100 insulated ring terminals 0,25-1,5, M3, art. 260252
100 insulated ring terminals 0,25-1,5, M4, art. 260256
100 insulated ring terminals 0,25-1,5, M5, art. 260258
100 insulated ring terminals 1,5-2,5, M4, art. 260270
100 insulated ring terminals 1,5-2,5, M5, art. 260272
50 insulated ring terminals 1,5-2,5, M6, art. 260274
100 insulated ring terminals 2,5-6, M5, art. 260286
50 insulated ring terminals 2,5-6, M6, art. 260288
50 insulated fork type 0,25-1,5, M4, art. 260304
50 insulated fork type 1,5-2,5, M4, art. 260314
50 insulated fork type 2,5-6, M5, art. 260322
50 insulated butt connectors 0,25-1,5, art. 260350
50 insulated butt connectors 1,5-2,5, art. 260352
50 insulated butt connectors 2,5-6, art. 260354
50 insulated round pin 0,25-1,5, art. 260370
50 insul. round pin 1,5-2,5, art. 260372
50 insul. round pin 2,5-6, art. 260374
50 insul. socket sleeves 1,5-2,5/6,3x0,8, art. 260394
50 insul. flat terminals 1,5-2,5/6,3x0,8, art. 260424

Art. no.	Content	Insulation		kg	PU
260764	1250	PVC	210802	3,278	1
262048	1250	PVC	-	3,400	1

Assortment of insulated terminals

Content: 1.200 Crimping terminals, 1 crimping pliers for insulated crimping terminals (art. 210761), range 0.5 - 6 mm² in plastic bulk storage chest.
100 insulated ring terminals 0,25-1,5, M4, art. 260256
100 insulated ring terminals 0,25-1,5, M5, art. 260258
100 insulated ring terminals 0,25-1,5, M6, art. 260260
100 insulated ring terminals 1,5-2,5, M4, art. 260270
100 insulated ring terminals 1,5-2,5, M5, art. 260272
100 insulated ring terminals 1,5-2,5, M6, art. 260274
100 insulated ring terminals 2,5-6, M5, art. 260286
100 insulated ring terminals 2,5-6, M6, art. 260288
100 insulated ring terminals 2,5-6, M8, art. 260290
100 insulated butt connectors 0,25-1,5, art. 260350
100 insulated butt connectors 1,5-2,5, art. 260352
100 insulated butt connectors 2,5-6, art. 260354

Art. no.	Content	Insulation	kg	PU
260765 ✷	1200	PVC	3,367	1

Assortment of insulated terminals

Content: 1.200 crimping terminals, crimping pliers (art. 210802), crimp 0,5 - 6,0 mm², in plastic bulk storage chest 415 x 335 x 90 mm.
100 insulated ring terminals 0,25-1,5, M4, art. 260256
100 insulated ring terminals 0,25-1,5, M5, art. 260258
100 insulated ring terminals 0,25-1,5, M6, art. 260260
100 insulated ring terminals 1,5-2,5, M4, art. 260270
100 insulated ring terminals 1,5-2,5, M5, art. 260272
100 insulated ring terminals 1,5-2,5, M6, art. 260274
100 insulated ring terminals 2,5-6, M5, art. 260286
100 insulated ring terminals 2,5-6, M6, art. 260288
100 insulated ring terminals 2,5-6, M8, art. 260290
100 insulated butt connectors 0,25-1,5, art. 260350
100 insulated butt connectors 1,5-2,5, art. 260352
100 insulated butt connectors 2,5-6, art. 260354

Art. no.	Content	Insulation	kg	PU
260777 ✷	1200	PVC	2,980	1

haupa®
...convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

SysCon insulated terminals & 210761

Content: 1500 insulated terminals

1	220370	ABS plastic box „SysCon S”
1	220375	Assortment insert „SysCon“
1	220399	Foam „SysCon” 400 x 300 x 10 mm
1	210761	Crimping pliers for insulated terminals 0,5 – 6 mm²

200	260350	Butt connectors, red	0,5/1,0		PVC
200	260352	Butt connectors, blue	1,5/2,5		PVC
100	260354	Butt connectors, yellow	4,0/6,0		PVC
200	260256	Ring terminals, red	0,5/1,0	M4	PVC
200	260258	Ring terminals, red	0,5/1,0	M5	PVC
200	260270	Ring terminals, blue	1,5/2,5	M4	PVC
200	260272	Ring terminals, blue	1,5/2,5	M5	PVC
100	260288	Ring terminals, yellow	4,0/6,0	M6	PVC
100	260290	Ring terminals, yellow	4,0/6,0	M8	PVC

Art. no.	Content	kg	PU
220381	1500	4,300	1

SysCon insulated terminals / end sleeves & 210784

Content: insulated terminals and end sleeves

1	220370	ABS plastic box „SysCon S”
1	220375	Assortment insert „SysCon“
1	220399	Foam „SysCon” 400 x 300 x 10 mm
1	210784	Crimping pliers for insulated terminals and end sleeves

200	260350	Butt connectors, red	0,5-1,0		PVC
200	260352	Butt connectors, blue	1,5-2,5		PVC
200	260256	Ring terminals, red	0,5-1,0	M4	PVC
200	260272	Ring terminals, blue	1,5-2,5	M5	PVC
200	260274	Ring terminals, blue	1,5-2,5	M6	PVC
1000	270807	End sleeves, black	1,5/8		
1000	270811	End sleeves, blue	2,5/8		
500	270815	End sleeves, grey	4/10		
200	270818	End sleeves, yellow	6/12		

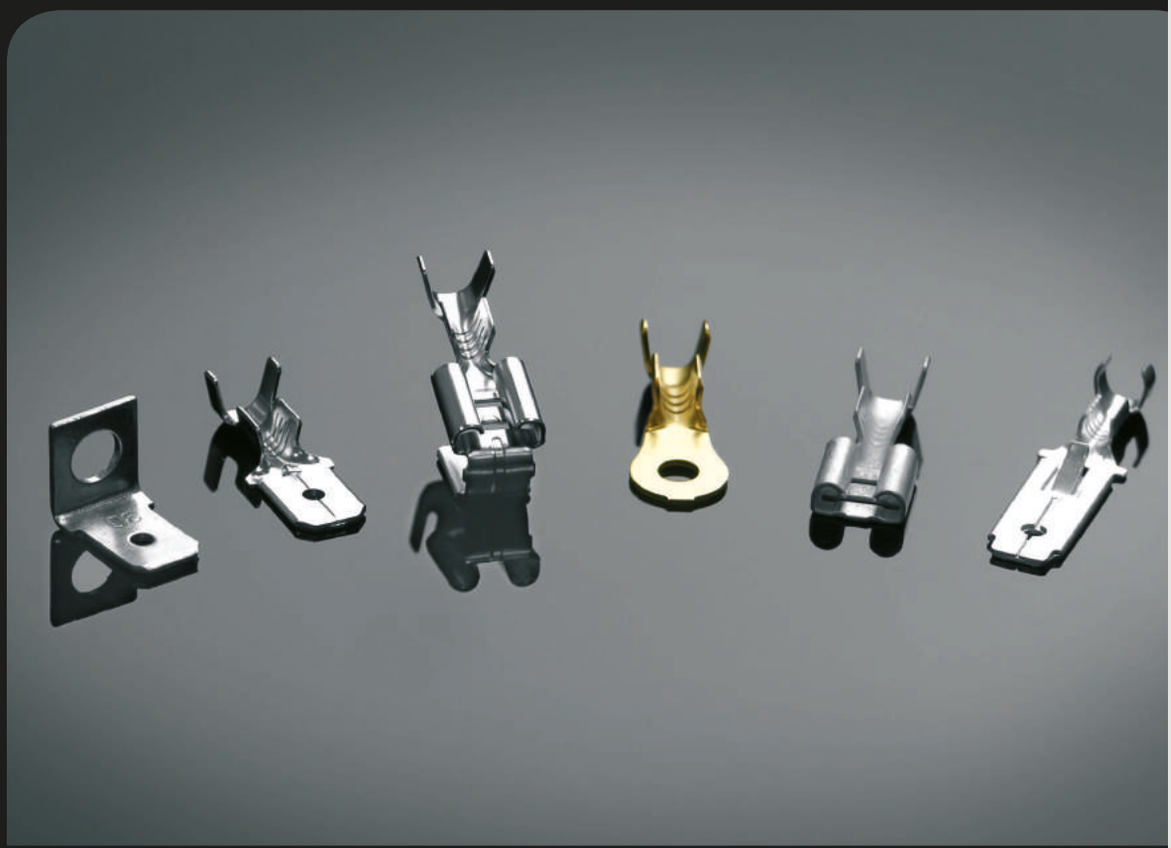
Art. no.	Content	kg	PU
220391	3700	4,300	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Socket sleeves



haupa®

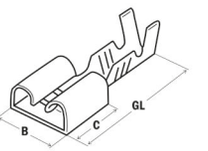
... convincing solutions

Socket sleeves (male and female)

RoHS

Socket sleeves (female)

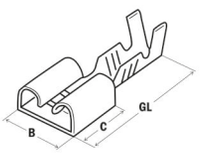
- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**



Art. no.	CSS	plug	TL	c	B	kg/100	PU
280000	**0,5 - 1**	6,3x0,8	19,2	7,6	7,6	0,073	200
280004	**1 - 2,5**	6,3x0,8	19,2	7,6	7,6	0,079	200
280008	**0,5 - 1,25**	4,8x0,8	15,0	6,4	5,6	0,075	200
280012		4,8x0,5	15,0	6,4	5,6	0,043	200
280016		2,8x0,8	16,0	6,4	3,75	0,040	200
280020		2,8x0,5	16,0	6,4	3,75	0,020	200

Socket sleeves (female)

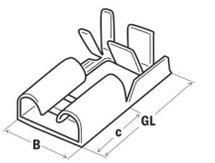
- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**



Art. no.	CSS	plug	TL	c	B	kg/100	PU
280030	**0,5 - 1,0**	6,3x0,8	19,2	7,6	7,6	0,073	200
280034	**1,0 - 2,5**	6,3x0,8	19,2	7,6	7,6	0,038	200
280038	**0,5 - 1,25**	4,8x0,8	15,0	6,4	5,6	0,0410	200
280042		4,8x0,5	15,0	6,4	5,6	0,027	200
280046		2,8x0,8	16,0	6,4	3,75	0,023	200
280050		2,8x0,5	16,0	6,4	3,75	0,027	200

Socket sleeves (female)

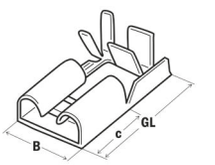
- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**



Art. no.	CSS	plug	TL	c	B	kg/100	PU
280060	**0,5 - 1,0**	6,3x0,8	14,1	7,6	7,6	0,073	200
280064	**1,0 - 2,5**	6,3x0,8	14,1	7,6	7,6	0,078	200

Socket sleeves (female)

- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**



Art. no.	CSS	plug	TL	c	B	kg/100	PU
280070	**0,5 - 1,0**	6,3x0,8	14,1	7,6	7,6	0,075	200
280074	**1,0 - 2,5**	6,3x0,8	14,1	7,6	7,6	0,078	200

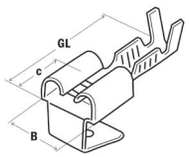
PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Socket sleeves (female) with branch

- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**

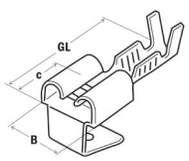
Art. no.	CSS	plug	TL	c	B	kg/100	PU
280080	**0,5 - 1,0**	6,3x0,8	19,6	7,7	7,6	0,108	200
280084	**1,0 - 2,5**	6,3x0,8	16,2	7,7	7,6	0,103	200



Socket sleeves (female) with branch

- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**

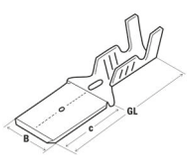
Art. no.	CSS	plug	TL	c	B	kg/100	PU
280090	**0,5 - 1,0**	6,3x0,8	19,6	7,7	7,6	0,110	200
280094	**1,0 - 2,5**	6,3x0,8	16,2	7,7	7,6	0,112	200



Flat terminals

- **bare brass**
- **uninsulated**

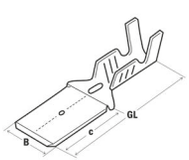
Art. no.	CSS	plug	TL	c	B	kg/100	PU
280100	**0,5 - 1,0**	6,3x0,8	20,6	6,35	6,3	0,055	200
280104	**1,0 - 2,5**	6,3x0,8	17,2	6,35	6,3	0,057	200



Flat terminals

- **tin-plated brass**
- **uninsulated**

Art. no.	CSS	plug	TL	c	B	kg/100	PU
280110	**0,5 - 1,0**	6,3x0,8	20,6	6,35	6,3	0,054	200
280114	**1,0 - 2,5**	6,3x0,8	17,2	6,35	6,3	0,057	200

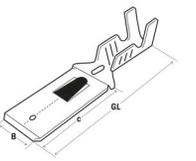


Socket sleeves (male and female)

RoHS

Socket sleeves (male) with latching tongue

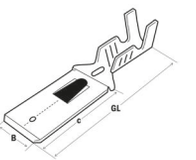
- **bare brass**
- **uninsulated**



Art. no.	CSS	plug	TL	c	B	kg/100	PU
280101	**0,5 - 1,0**	6,3x0,8	20,6	6,35	6,3	0,200	200
280105	**1,0 - 2,5**	6,3x0,8	17,2	6,35	6,3	0,085	200

Socket sleeves (male) with latching tongue

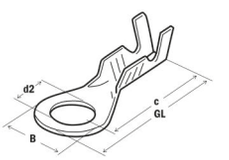
- **tin-plated brass**
- **uninsulated**



Art. no.	CSS	plug	TL	c	B	kg/100	PU
280111	**0,5 - 1,0**	6,3x0,8	20,6	6,35	6,3	0,082	200
280115	**1,0 - 2,5**	6,3x0,8	17,2	6,35	6,3	0,089	200

Ring terminals

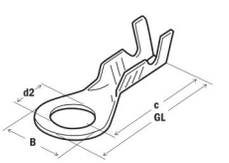
- **bare brass**
- **uninsulated**



Art. no.	CSS	M	d2	TL	B	kg/100	PU
280120	**0,5 - 1,0**	3	3,2	21,0	8,0	0,054	200
280124		4	4,3	21,0	8,0	0,038	200
280128		5	5,08	22,0	9,5	0,068	200
280132	**1,0 - 2,5**	3	3,2	21,0	8,0	0,076	200
280136		4	4,3	21,0	8,0	0,046	200
280140		5	5,08	22,0	9,5	0,045	200

Ring terminals

- **tin-plated brass**
- **uninsulated**



Art. no.	CSS	M	d2	TL	B	kg/100	PU
280150	**0,5 - 1,0**	3	3,2	21,0	8,0	0,057	200
280154		4	4,3	21,0	8,0	0,040	200
280158		5	5,08	22,0	9,5	0,056	200
280162	**1,0 - 2,5**	3	3,2	21,0	8,0	0,076	200
280166		4	4,3	21,0	8,0	0,046	200
280170		5	5,08	22,0	9,5	0,043	200

PU Packing unit PE Price unit

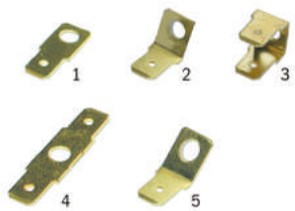
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

RoHS

Flat terminals

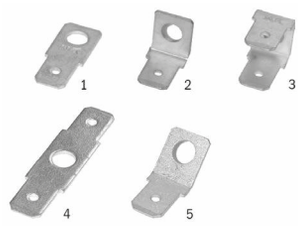
- **bare brass**
- **uninsulated**



Art. no.	plug	d2	TL	form		kg/100	PU
280180	6,3x0,8	4,2	19,2	1	0°	0,076	200
280182	6,3x0,8	4,2	10,2	5	45°	0,082	200
280184	6,3x0,8	4,2	11,3	2	90°	0,085	200
280186	6,3x0,8	4,2	30,3	4	0°	0,136	200
280188	6,3x0,8	4,2	11,45	3	90°	0,134	200

Flat terminals

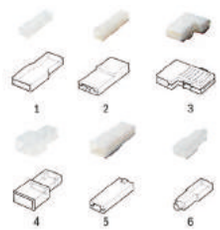
- **tin-plated brass**
- **uninsulated**



Art. no.	plug	d2	TL	form		kg/100	PU
280190	6,3x0,8	4,2	19,2	1	0°	0,083	200
280192	6,3x0,8	4,2	10,2	5	45°	0,084	200
280194	6,3x0,8	4,2	11,3	2	90°	0,095	200
280196	6,3x0,8	4,2	30,3	4	0°	0,137	200
280198	6,3x0,8	4,2	11,45	3	90°	0,272	200

Insulating sleeves

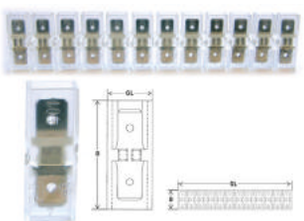
- **of PVC and nylon**



Art. no.	plug	form	material	kg/100	PU
280200	6,3x0,8	1	PVC	0,056	100
280202	6,3x0,8	2	Nylon	0,069	100
280204	4,8x0,8	6	PVC	0,047	100
280206	4,8x0,8	2	Nylon	0,071	100
280208	2,8x0,8	6	PVC	0,036	100
280210	2,8x0,8	5	Nylon	0,043	100
280212	6,3x0,8	4	PVC	0,063	100
280214	6,3x0,8	3	Nylon	0,048	100

Elastic connectors with socket sleeves (male)

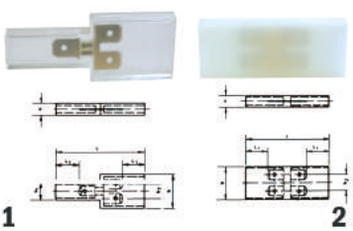
- **1 - 12 pole**
- **PVC, natural colour**



Art. no.	plug	TL	form	B	material	kg/100	PU
280460	2,8x0,8	7,5	1	35,0	PVC	0,157	100
280482	2,8x0,8	88,0	12	35,0	PVC	1,770	10
280490	4,8x0,8	12,5	1	28,0	PVC	0,200	100
280512	4,8x0,8	147,0	12	28,0	PVC	2,800	10
280520	6,3x0,8	12,5	1	28,0	PVC	0,240	100
280542	6,3x0,8	147,0	12	28,0	PVC	2,850	10
280550	2,8x0,8	12,5	1	28,0	PVC	0,250	100
280572	2,8x0,8	147,0	12	28,0	PVC	0,440	50

Elastic cable distributors

- **PVC, natural colour**



Art. no.	plug	TL	form	c	material	kg/100	PU
280580	6,3x0,8	53,0	A	15,0	PVC	0,500	50
280582	6,3x0,8	51,0	B	13,0	PVC	0,500	50

Small packages

RoHS

Socket sleeves (female) „SmallPack“

- **bare brass**
- **not insulated**

Art. no.	CSS	plug	TL	c	B	kg/100	PU
280000/20	**0,5 - 1**	6,3x0,8	19,2	7,6	7,6	0,070	20
280004/20	**1 - 2,5**	6,3x0,8	19,2	7,6	7,6	0,070	20
280008/20	**0,5 - 1,25**	4,8x0,8	15,0	6,4	5,6	0,070	20

Socket sleeves (female) „SmallPack“ with branch

- **bare brass**
- **not insulated**

Art. no.	CSS	plug	TL	c	B	kg/100	PU
280084/20	**1,0 - 2,5**	6,3x0,8	15,0	6,4	5,6	0,070	20

Flat terminals „SmallPack“

- **bare brass**
- **not insulated**

Art. no.	CSS	plug	TL	c	B	kg/100	PU
280100/20	**0,5 - 1**	6,3x0,8	20,6	6,35	6,3	0,070	20
280104/20	**1 - 2,5**	6,3x0,8	17,2	6,35	6,3	0,070	20

Cable lugs and connectors

haupa®

... convincing solutions

INFO

Instructions

1. The choice of the connector

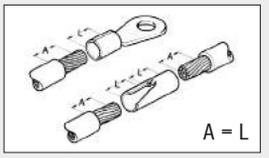
In order to obtain a connection that can be guaranteed for a long time it is necessary to select the connectors suitable to the application field and strictly conform to the section of the cable to be crimped.
In the large range of Haupa products you will certainly find the ideal solution for every requirement.

2. Stripping

Every crimping operation requires first that the cable is stripped without deforming the wires (+10% - since length expansion of crimp sleeve).

3. Cleaning

The conductor ends have to be solidly cleaned from oxidation and every rest of dirt before mounting.

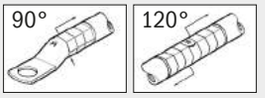


4. Assembling

a) Fit the connector to the cable with a round section in the complete lenght of the stripped area.
b) Verify that there are no wires outside the connector. If you need to use sectoral cables you must arrange a previous rounding crimping operation of the cable.

5. Choice of the crimping tool

All dies and punchings of the Haupa crimp system guarantee a high degree of connection between connector and cable. Exercise the crimping operation as shown in drawing 1 on the terminals and as drawing 2 on the butt connectors. The elevated pressure exerted by dies on terminals cause a uniform deformation on the whole crimping area.



6. Caution

For aluminium cables shoes and connectors, excess, escaped pressing additives must be wiped away.

7. Tensile strength

When correctly processed in accordance with the HAUPA pressing instructions and using HAUPA pressing tools, a tensile strength is ensured in accordance with DIN EN61238-1.

Pressing number for HAUPA conduit terminals and connectors

	HAUPA standard tubular cable lugs "commonly-available version" VDE 0295 class 2		HAUPA F-Type tubular cable lugs Cable class 5 / 6
conductor cross section CSS	quantity crimpings slim 5 mm	quantity crimpings wide > 8 mm	quantity crimpings
0,75	1	-	-
1,5	1	-	-
2,5	1	-	-
4	1	-	-
6	1	-	-
10	1	1	-
16	1	1	1
25	2	1	1
35	2	1	1
50	2	1	1
70	2	1	1
95	2	1	1
120	2	1	1
150	2	1	2
185	2	1*	2
240	4	2	2
300	4	2	2
400	4	2	-
500	4	2	-
625	4	2	-

* when using the four thorn pressing, number of pressings:
AD300-6, SD300-6, HD300-6, KD300-6 /
AD400-6, SD400-6, HD400-6, HKD400
(page 71 - 72)

Temperature resistance

Connector	Temperature
Cable lugs & connectors copper	max.120° C (in acc. to DIN 46234)
Cable lugs & connectors aluminium	max.120° C (in acc. to IEC 61238)
Cable lugs & connectors of pure nickel	max. 500° C
End sleeves without insulation	max. 120° C (in acc. to DIN 46234)
End sleeves insulated	max. 105° C
Insulated terminals PVC	- 10° C --> + 75° C
Insulated terminals Nylon	- 55° C --> + 105° C
Insulated teminals PC	- 40° C --> + 125° C
Shrinking terminals	- 55° C --> + 105° C
Socket sleeves male & female, tin-coated brass, uninsulated	- 55° C --> + 100° C

HAUPA cable connections with insulated cables, maximum power loads

Core cross-section mm²	Duct-laid single core cables		Multi-core cables		Exposed air laid single core (gap corresponds to diameter at the least)	
CU	AL	CU	AL	CU	AL	
(A)	(A)	(A)	(A)	(A)	(A)	
0,75	-	-	12	-	15	-
1	11	-	15	-	19	-
1,5	15	-	15	-	19	-
2,5	20	-	26	-	32	-
4	25	-	34	-	42	-
6	33	-	44	-	54	-
10	45	-	61	48	73	57
16	61	48	82	64	98	77
25	83	65	108	85	129	103
35	103	81	135	105	158	124
50	132	103	168	132	198	155
70	165	-	207	163	245	193
95	197	-	250	197	292	230
120	235	-	292	230	344	268
150	-	-	335	263	391	310
185	-	-	383	301	448	353
240	-	-	453	357	528	414
300	-	-	504	409	608	479
400	-	-	-	-	726	569
500	-	-	-	-	830	649

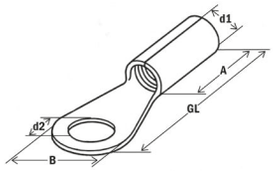
Valid at ambient temperatures of 30 degrees Celsius

RoHS

Crimp ring terminals without insulation DIN 46234

- **Material: 99,9% electrolytic copper • Surface: tin-plated**
- **Ring type • For conductors, e.g. to VDE 0295 class 2,5,6**
- **Hard soldered in crimping area**
- **Grooved profile for improved contact caracteristics**

Cu



Art. no.	CSS	M	d2	d1	A	TL	B	kg/100	PU
290619	**0,5 - 1,0**	2,5	2,6	1,95	5,2	17,25	8,0	0,056	100
290620 *		3	3,2	1,95	5,2	17,25	8,0	0,055	100
290621		3,5	3,7	1,95	5,2	17,25	8,0	0,039	100
290622		4	4,2	1,95	5,2	16,65	8,0	0,065	100
290624		5	5,2	1,95	5,2	17,25	8,0	0,082	100
290623 *		6	6,2	1,95	5,2	18,5	10,0	0,091	100
290625		8	8,2	1,95	5,2	25,0	14,0	0,121	100
290617		10	10,5	1,95	5,2	25,0	14,0	0,178	100
290626	**1,5 - 2,5**	3	3,2	2,45	5,2	17,25	8,0	0,065	100
290627		3,5	3,7	2,45	5,2	17,25	8,0	0,058	100
290628		4	4,2	2,45	5,2	17,25	8,0	0,076	100
290630 *		5	5,2	2,45	5,2	20,0	10,0	0,097	100
290632 *		6	6,2	2,45	5,2	22,0	11,0	0,110	100
290634		8	8,2	2,45	5,2	26,8	15,0	0,132	100
290635		10	10,5	2,45	5,2	26,8	15,0	0,138	100
290636	**4,0 - 6,0**	4	4,2	3,5	6,5	18,7	8,0	0,131	100
290637		3,5	3,7	3,5	6,5	18,7	8,0	0,058	100
290646 *		5	5,3	3,6	6,0	15,0	10,0	0,157	100
290648 *		6	6,5	3,6	6,0	16,0	11,0	0,166	100
290650		8	8,4	3,6	6,0	19,0	14,0	0,214	100
290652		10	10,5	3,6	6,0	21,0	18,0	0,281	100
290654		12	13,0	3,6	6,0	21,0	18,0	0,219	100
290656	**10**	5	5,3	4,5	8,0	16,0	10,0	0,216	100
290658 *		6	6,4	4,5	8,0	17,0	11,0	0,227	100
290660		8	8,4	4,5	8,0	20,0	14,0	0,280	100
290662		10	10,5	4,5	8,0	21,0	18,0	0,339	100
290663		12	13,0	4,5	8,0	23,0	22,0	0,300	100
290664	**16**	5	5,3	5,8	10,0	20,0	10,0	0,353	100
290666		6	6,4	5,8	10,0	20,0	11,0	0,362	100
290668 *		8	8,4	5,8	10,0	22,0	14,0	0,404	100
290670		10	10,5	5,8	10,0	24,0	18,0	0,477	100
290672		12	13,0	5,8	10,0	26,0	22,0	0,565	100
290676	**25**	6	6,4	7,5	11,0	25,0	12,0	0,706	50
290678 *		8	8,4	7,5	11,0	25,0	16,0	0,776	50
290680		10	10,5	7,5	11,0	26,0	18,0	0,764	50
290682		12	13,0	7,5	11,0	31,0	22,0	0,886	50
290684		16	17,0	7,5	11,0	35,0	28,0	1,190	50
290686 *	**35**	8	8,4	9,0	12,0	26,0	16,0	0,896	50
290688		10	10,5	9,0	12,0	27,0	18,0	0,900	50
290690		12	13,0	9,0	12,0	31,0	22,0	1,000	50
290692		16	17,0	9,0	12,0	36,0	28,0	1,400	50
290694	**50**	8	8,4	11,0	16,0	34,0	18,0	1,600	40
290696 *		10	10,5	11,0	16,0	34,0	18,0	1,600	40
290698		12	13,0	11,0	16,0	36,0	22,0	1,700	40
290700		16	17,0	11,0	16,0	40,0	28,0	2,000	25
290701	**70**	8	8,4	13,0	18,0	38,0	22,0	2,500	25
290702 *		10	10,5	13,0	18,0	38,0	22,0	2,500	25
290704		12	13,0	13,0	18,0	38,0	22,0	2,400	20
290707	**95**	8	8,4	15,0	20,0	42,0	24,0	3,800	20
290708 *		10	10,5	15,0	20,0	42,0	24,0	3,800	20
290710 *		12	13,0	15,0	20,0	42,0	24,0	3,700	20
290712		16	17,0	15,0	20,0	44,0	28,0	3,900	20
290713 *	**120**	10	10,5	16,5	22,0	44,0	24,0	5,200	25
290714 *		12	13,0	16,5	22,0	44,0	24,0	5,200	25
290716		16	17,0	16,5	22,0	48,0	28,0	6,200	25
290717		20	21,0	16,5	22,0	53,0	32,0	5,900	25
290719	**150**	10	10,5	19,0	24,0	50,0	30,0	7,500	25
290721 *		12	13,0	19,0	24,0	50,0	30,0	7,400	25
290718		16	17,0	19,0	24,0	50,0	30,0	6,800	25
290720 *	**185**	16	17,0	21,0	25,0	50,0	36,0	9,400	20

haupa®

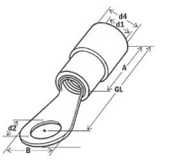
... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

Insulated crimp cable lugs

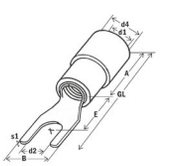
- **Nylon-insulated • Material: 99,9% E-Cu • Surface: tin-plated**
- **Ring type • For conductors, e.g. to VDE 0295 class 2, 5, 6**
- **Hard soldered in crimping area • Grooved profile for improved contact caracteristics**
- **Crimp direct with insulation**



Art. no.	CSS	M	d2	d1	d4	A	TL	kg/100	PU
260902	**10**	5	5,3	4,5	8,0	16,5	24,5	0,283	100
260904 ✸		6	6,5	4,5	8,0	16,5	25,5	0,240	100
260906		8	8,4	4,5	8,0	16,5	28,5	0,200	100
260908		10	10,5	4,5	8,0	16,5	29,5	0,400	100
260910		12	13,0	4,5	8,0	16,5	31,5	0,420	100
260912	**16**	5	5,3	5,8	11,0	21,5	31,5	0,400	100
260914		6	6,5	5,8	11,0	21,5	31,5	0,400	100
260916 ✸		8	8,4	5,8	11,0	21,5	33,5	0,500	100
260918		10	10,5	5,8	11,0	21,5	35,5	0,600	100
260920		12	13,0	5,8	11,0	21,5	37,5	0,600	100
260922	**25**	5	5,3	7,5	13,0	24,0	38,0	0,800	100
260924		6	6,5	7,5	13,0	24,0	38,0	0,800	100
260926 ✸		8	8,4	7,5	13,0	24,0	38,0	0,900	100
260928		10	10,5	7,5	13,0	24,0	39,0	1,000	100
260930		12	13,0	7,5	13,0	24,0	44,0	1,100	100
260932		16	17,0	7,5	13,0	24,0	48,0	1,300	100
260934	**35**	6	6,5	9,0	14,5	27,0	41,0	1,100	100
260936 ✸		8	8,4	9,0	14,5	27,0	41,0	1,000	100
260938		10	10,5	9,0	14,0	27,0	42,0	1,000	100
260940		12	13,0	9,0	14,5	27,0	46,0	1,260	100
260942		16	17,0	9,0	14,5	27,0	51,0	1,550	100
260944	**50**	6	6,5	11,0	16,5	29,5	47,5	3,300	50
260946 ✸		8	8,4	11,0	16,5	29,5	47,5	3,300	50
260948		10	10,5	11,0	16,5	29,5	47,5	3,200	50
260950		12	13,0	11,0	16,5	29,5	49,5	3,600	50
260952		16	17,0	11,0	16,5	29,5	53,5	4,200	50
260954	**70**	6	6,5	13,0	18,7	31,5	51,0	5,200	50
260956		8	8,4	13,0	18,7	31,5	51,0	5,000	50
260960		12	13,0	13,0	18,7	31,5	51,0	5,000	50
260962		16	17,0	13,0	18,7	31,5	55,0	5,400	50
260964 ✸	**95**	8	8,4	15,0	21,7	35,5	57,5	8,000	50
260966		10	10,5	15,0	21,7	35,5	57,5	8,200	50
260968		12	13,0	15,0	21,7	35,5	57,5	7,800	50
260970		16	17,0	15,0	21,7	35,5	59,5	8,200	50
260972	**120**	8	8,4	16,5	24,2	40,0	62,0	10,600	25
260974 ✸		10	10,5	16,5	24,2	40,0	62,0	11,200	25
260976		12	13,0	16,5	24,2	40,0	62,0	10,800	25
260978		16	17,0	16,5	24,2	40,0	66,0	11,600	25
260980	**150**	10	10,5	19,0	27,2	44,0	70,0	16,800	25
260982		12	13,0	19,0	27,2	44,0	70,0	16,800	25
260984		16	17,0	19,0	27,2	44,0	70,0	16,800	25

Solderless terminals for meter connection

- **Nylon-insulated • Material: 99,9% E-Cu • Surface: tin-plated**
- **Fork type • For conductors, e.g. to VDE 0295 class 2, 5, 6**
- **Hard soldered in crimping area • Grooved profile for improved contact caracteristics**
- **Crimp direct with insulation**



Art. no.	CSS	M	kg/100	PU
260858	**10**	5	0,302	100
260860 ✸		6	0,320	100
260862	**16**	5	0,584	100
260863 ✸		8	0,630	100

PU Packing unit PE Price unit

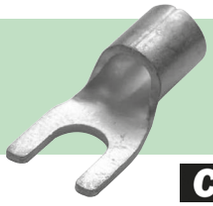
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

RoHS

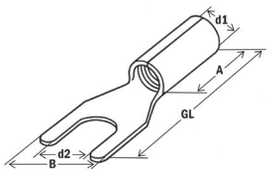
Fork terminals without insulation

- **Material: 99,9% E-Cu • Surface: tin-plated**
- **Fork type • For conductors, e.g. to VDE 0295 class 2, 5, 6**
- **Hard soldered in crimping area**
- **Grooved profile for improved contact caracteristics**



Cu

Art. no.	CSS	M	d2	d1	A	TL	B	kg/100	PU
290730 *	**0,5 - 1,0**	3	3,2	1,95	5,2	14,6	5,6	0,076	100
290731		3,5	3,7	1,95	5,2	14,9	6,5	0,077	100
290732		4	4,2	1,95	5,2	15,0	6,4	0,058	100
290734		5	5,2	1,95	5,2	16,25	8,0	0,086	100
290735		6	6,2	1,95	5,2	17,5	9,2	0,087	100
290736	**1,5 - 2,5**	3	3,2	2,45	5,2	17,25	5,6	0,088	100
290739		3,5	3,7	2,45	5,2	14,3	6,6	0,083	100
290738 *		4	4,2	2,45	5,2	14,3	6,6	0,082	100
290740		5	5,2	2,45	5,2	19,25	9,1	0,095	100
290742		6	6,2	2,45	5,2	21,0	10,0	0,120	100
290744	**4,0 - 6,0**	4	4,2	3,5	6,5	18,6	8,0	0,152	100
290746		5	5,2	3,5	6,5	21,1	9,0	0,176	100
290748 *		6	6,2	3,5	6,5	22,3	11,0	0,161	100
290750		8	8,2	3,5	6,5	27,3	15,2	0,252	100
290751		10	10,5	3,5	6,5	30,2	19,0	0,319	100
290752	**10**	5	5,2	4,7	8,5	20,8	9,0	0,248	100
290754 *		6	6,4	4,7	8,5	20,8	10,3	0,260	100
290756 *	**16**	6	6,4	5,8	10,5	25,5	11,0	0,513	100

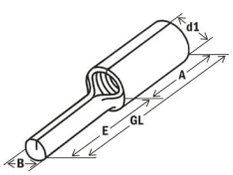


Pin terminals without insulation DIN 46230

- **Material: 99,9% E-Cu • Surface: tin-plated**
- **Pin type • For conductors, e.g. to VDE 0295 class 2, 5, 6**
- **Hard soldered in crimping area**
- **Grooved profile for improved contact caracteristics**

Cu

Art. no.	CSS	d1	A	TL	E	B	kg/100	PU
290770 *	**0,5 - 1,0**	1,85	5,0	17,3	12,0	1,8	0,083	100
290771		1,85	5,0	17,3	9,0	1,8	0,078	100
290773 *	**1,5 - 2,5**	2,4	5,0	17,3	9,0	1,8	0,065	100
290775		2,4	5,0	17,3	9,0	1,8	0,058	100
290777	**4,0 - 6,0**	3,6	6,0	24,5	12,5	2,6	0,157	100
290776	**10**	4,5	8,5	20,5	14,0	4,0	0,300	100
290778 *	**16**	5,8	10,5	26,5	14,0	4,5	0,411	100
290780 *	**25**	7,0	14,0	33,0	15,0	7,0	0,600	100
290782	**35**	8,2	16,0	40,0	20,0	8,0	1,238	100
290784	**50**	9,5	19,0	45,0	20,0	9,5	1,800	100
290786	**70**	11,2	24,0	55,0	25,0	11,5	3,053	50
290788	**95**	13,59	24,0	55,0	25,0	13,5	4,100	50



haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

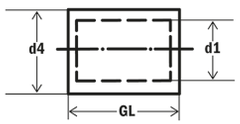
RoHS

Parallel connectors DIN 46341 part 1, type A

- **Material: 99,9% electrolytic copper • Surface: tin-plated**
- **For connecting different conductor cross-sections**
- **Hard soldered in crimping area**
- **Grooved profile for improved contact caracteristics**

Cu

Art. no.		CSS	d1	d4	TL	kg/100		PU
291090	✸	**0,5 - 1,0**	1,6	3,3	7	0,064	2000	100
291092		**1,5 - 2,5**	2,3	4,2	7	0,070	2000	100
291096		**4 - 6**	3,6	5,5	7	0,090	1800	100
291098	✸	**10**	4,5	7,0	9	0,165	2000	100
291100		**16**	5,5	8,5	10	0,274	1000	100
291102		**25**	7,0	10,0	13	0,500	600	100
291104		**35**	8,5	12,0	16	0,800	300	50
291106		**50**	10,0	14,0	19	1,200	300	50
291108		**70**	12,0	16,5	19	1,600	200	50
291110		**95**	13,5	18,0	20	2,400	150	25
291112		**120**	15,0	19,5	22	3,500	100	25
291114		**150**	16,5	21,0	26	3,000	80	20

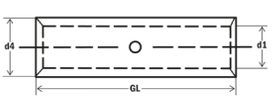


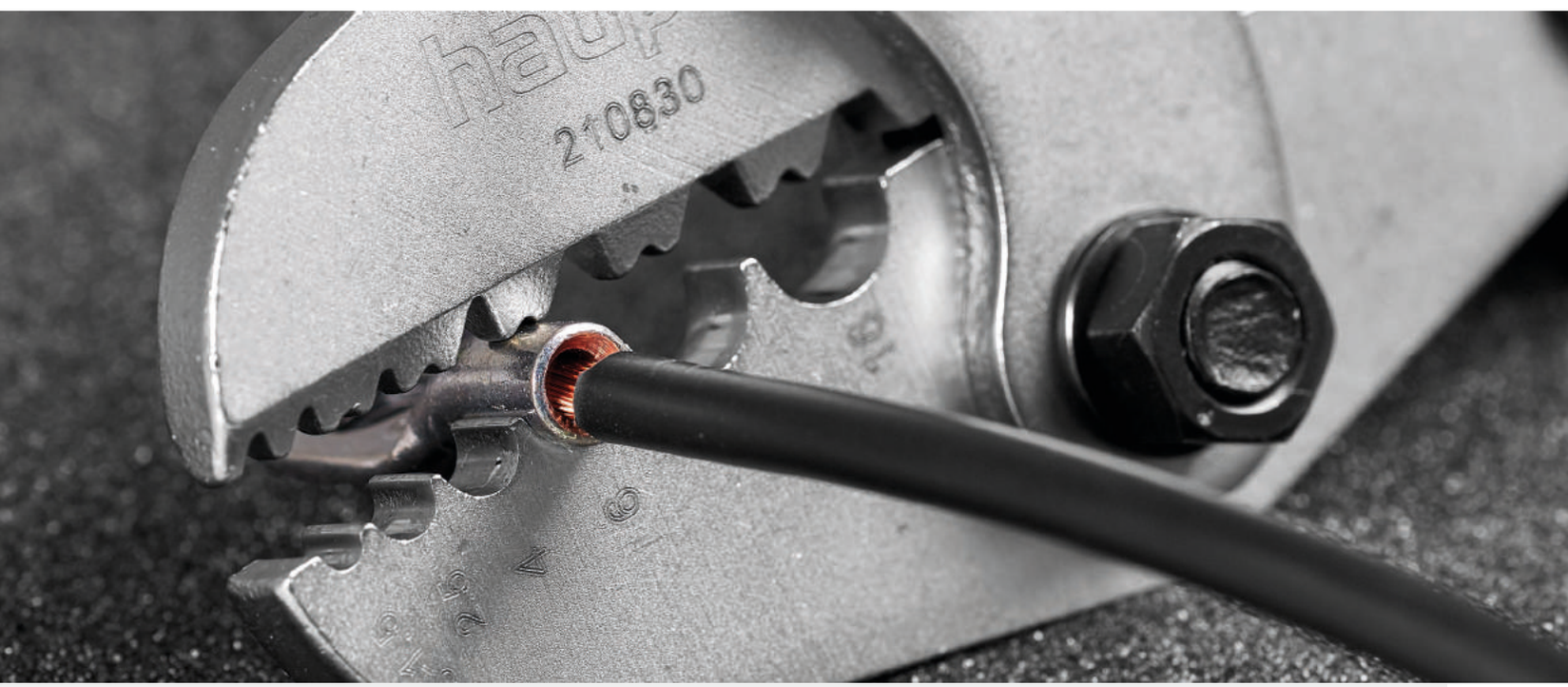
Solderless butt connectors DIN 46341 part 1, type B

- **Material: 99.9% electrolytic copper**
- **Surface: tin-plated • annealing for easier crimping**
- **For stranded conductors e.g. VDE 0295 class 2, 5, 6**
- **With buttmarks for precise cable insertion**

Cu

Art. no.		CSS	d1	d4	TL	kg/100		PU
291119	✸	**0,5 - 1,0**	1,6	3,3	15	0,200	2000	100
291120	✸	**1,5 - 2,5**	2,3	4,2	15	0,127	2000	100
291124	✸	**4 - 6**	3,6	5,5	15	0,200	2000	100
291126	✸	**10**	4,5	7,0	21	0,300	800	100
291128	✸	**16**	5,5	8,5	26	0,600	500	50
291130		**25**	7,0	10,0	29	1,100	400	50
291132		**35**	8,5	12,0	32	1,500	150	25
291134		**50**	10,0	14,0	48	2,300	150	25
291136		**70**	12,0	16,5	48	3,400	100	25
291138		**95**	13,5	18,0	48	5,800	50	25
291140		**120**	15,0	19,5	48	8,500	50	25
291142		**150**	16,5	21,0	48	11,100	40	20





PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

RoHS

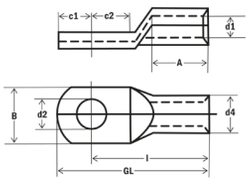
Tubular terminals, Light „T“ series

light

- **Material: 99.9% electrolytic copper E-CU DIN 40500**
- **Surface: tin-plated**
- **with sight hole**

Cu

Art. no.	CSS	M	d2	d1	d4	A	TL	kg/100		PU
294000	**1,5**	4	4,3	2,4	4,0	7,0	19,0	0,105	2000	100
294002 ✷		5	5,3	2,4	4,0	7,0	19,0	0,101	2000	100
294004		6	6,4	2,4	4,0	7,0	20,0	0,101	2000	100
294006	**2,5**	4	4,3	2,7	4,3	7,0	19,0	0,117	2000	100
294008 ✷		5	5,3	2,7	4,3	7,0	19,0	0,113	2000	100
294010		6	6,4	2,7	4,3	7,0	21,0	0,119	2000	100
294012		8	8,3	2,7	4,3	7,0	23,0	0,121	2000	100
294014	**4**	4	4,3	3,1	4,8	9,5	21,5	0,162	2000	100
294016 ✷		5	5,3	3,1	4,8	9,5	21,5	0,152	2000	100
294018		6	6,4	3,1	4,8	9,5	23,5	0,100	2000	100
294020		8	8,3	3,1	4,8	9,5	28,5	0,200	2000	100
294022	**6**	4	4,3	3,8	5,5	10,0	26,0	0,200	1800	100
294024 ✷		5	5,3	3,8	5,5	10,0	26,0	0,200	1800	100
294026 ✷		6	6,4	3,8	5,5	10,0	26,0	0,300	1400	100
294028		8	8,3	3,8	5,5	10,0	29,0	0,200	1400	100
294034	**10**	5	5,3	4,7	6,9	11,5	27,5	0,300	1000	100
294036 ✷		6	6,4	4,7	6,9	11,5	27,5	0,300	1000	100
294038 ✷		8	8,3	4,7	6,9	11,5	30,5	0,300	800	100
294040		10	10,5	4,7	6,9	11,5	30,5	0,300	600	100
294044	**16**	5	5,3	5,6	7,8	12,0	27,5	0,400	600	100
294046		6	6,4	5,6	7,8	12,0	27,5	0,400	600	100
294048 ✷		8	8,3	5,6	7,8	12,0	31,0	0,500	400	100
294050		10	10,5	5,6	7,8	12,0	32,0	0,400	400	100
294052		12	13,2	5,6	7,8	12,0	37,5	0,500	400	100
294054	**25**	6	6,4	7,1	9,5	13,5	34,0	0,700	400	50
294056 ✷		8	8,3	7,1	9,5	13,5	34,0	0,700	400	50
294058		10	10,5	7,1	9,5	13,5	37,0	0,700	300	50
294060 ✷		12	13,2	7,1	9,5	13,5	40,0	0,800	300	50
294062	**35**	6	6,4	8,2	11,0	16,0	39,0	1,300	240	50
294064 ✷		8	8,3	8,2	11,0	16,0	39,0	2,900	240	50
294066		10	10,5	8,2	11,0	16,0	43,0	1,300	160	50
294068		12	13,2	8,2	11,0	16,0	43,0	1,200	160	50
294070		14	14,5	8,2	11,0	16,0	48,0	1,300	160	50
294080	**50**	6	6,4	9,5	12,5	20,0	45,0	1,700	150	40
294082		8	8,3	9,5	12,5	20,0	45,0	1,700	150	40
294084 ✷		10	10,5	9,5	12,5	20,0	49,0	1,900	150	40
294086		12	13,2	9,5	12,5	20,0	49,0	1,800	100	40
294088		14	14,5	9,5	12,5	20,0	54,0	1,900	100	30
294094	**70**	8	8,3	11,5	15,0	20,0	47,6	2,700	100	25
294096 ✷		10	10,5	11,5	15,0	20,0	51,6	2,800	100	25
294098		12	13,2	11,5	15,0	20,0	51,6	2,600	100	25
294100		14	14,5	11,5	15,0	20,0	62,6	3,300	100	20
294102		16	16,5	11,5	15,0	20,0	62,6	3,100	100	20
294106	**95**	8	8,3	13,5	17,0	22,0	55,8	3,500	100	20
294108		10	10,5	13,5	17,0	22,0	55,8	3,500	100	20
294110 ✷		12	13,2	13,5	17,0	22,0	55,8	2,900	100	20
294112		14	14,5	13,5	17,0	22,0	66,8	4,000	40	15
294114		16	16,5	13,5	17,0	22,0	66,8	3,900	40	15
294118	**120**	10	10,5	15,6	20,0	27,0	71,5	6,900	80	10
294120 ✷		12	13,2	15,6	20,0	27,0	71,5	6,800	80	10
294122		14	14,5	15,6	20,0	27,0	71,5	6,600	72	10
294124		16	16,5	15,6	20,0	27,0	71,5	6,400	72	10
294128	**150**	10	10,5	16,5	21,0	32,0	78,0	8,000	72	10
294130 ✷		12	13,2	16,5	21,0	32,0	78,0	8,000	72	10
294132		14	14,5	16,5	21,0	32,0	78,0	7,800	72	10
294134		16	16,5	16,5	21,0	32,0	78,0	7,500	48	10
294138	**185**	10	10,5	18,4	23,6	34,0	84,0	11,200	40	10
294140		12	13,2	18,4	23,6	34,0	84,0	11,200	40	10
294142		14	14,5	18,4	23,6	34,0	84,0	10,800	40	10
294144		16	16,5	8,4	23,6	34,0	84,0	10,800	40	10



haupa®

... convincing solutions

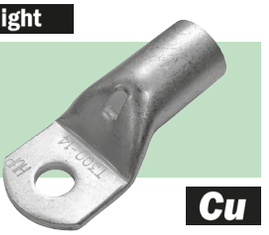
HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

Tubular terminals, Light „T“ series

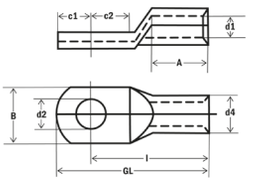
light

- tubular
- Material: 99.9% electrolytic copper E-CU DIN 40500
- Surface: tin-plated
- with sight hole



Cu

Art. no.	CSS	M	d2	d1	d4	A	TL	kg/100		PU
294150	**240**	12	13,2	21,2	26,4	37,0	90,0	13,300	30	10
294152		14	14,5	21,2	26,4	37,0	90,0	13,000	30	10
294154 ✸		16	16,5	21,2	26,4	37,0	90,0	15,000	30	10
294160	**300**	12	13,2	23,4	28,6	40,0	96,0	15,400	16	8
294162		14	14,5	23,4	28,6	40,0	96,0	15,000	16	8
294164		16	16,5	23,4	28,6	40,0	96,0	2,900	16	8
294174	**400**	16	16,5	26,8	32,8	37,0	104,7	22,700	10	5
294176		20	21,0	26,8	32,8	37,0	104,7	22,000	10	5
294184	**500**	16	16,5	29,8	38,4	46,5	115,5	42,000	8	3
294196	**630**	20	21,0	34,5	44,7	50,0	133,0	66,800	6	3



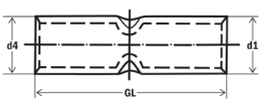
Butt connectors, Light „M“ series

light

- Material: 99.9% electrolytic copper E-CU DIN 40500
- Surface: tin-plated • annealing for easier crimping
- for stranded conductors e.g. VDE 0295 class 2
- with buttmarks for precise cable insertion

Cu

Art. no.	CSS	d1	d4	TL	kg/100		PU
294200	**1,5**	2,4	4,0	22,0	0,080	2000	200
294202	**2,5**	2,7	4,3	22,0	0,080	2000	200
294204	**4**	3,1	4,8	25,0	0,300	1000	100
294206	**6**	3,8	5,5	25,0	0,300	1000	100
294208	**10**	4,7	6,9	25,0	0,400	600	100
294210	**16**	5,6	7,8	29,0	0,500	500	100
294212	**25**	7,1	9,5	29,0	0,700	200	50
294214	**35**	8,2	11,0	35,0	1,200	200	50
294218	**50**	9,5	12,5	35,0	1,400	100	40
294220	**70**	11,5	15,0	45,0	2,700	50	20
294222	**95**	13,5	17,0	47,0	3,200	50	20
294224	**120**	15,6	20,0	52,0	5,500	50	20
294226	**150**	16,5	21,0	59,0	6,500	50	20
294228	**185**	18,4	23,6	65,0	9,200	36	20
294230	**240**	21,2	26,4	75,0	11,900	12	10
294232	**300**	23,4	28,6	90,0	14,500	6	5
294234	**400**	26,8	32,8	106,0	24,200	6	5



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

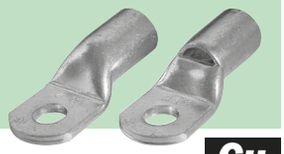
✸ Best-seller PREMIUM Premium product

RoHS

Tubular cable lugs, standard series

HUPtype

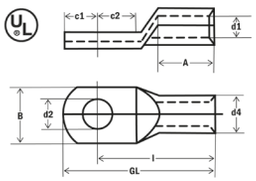
- For stranded round shaped conductors e.g. VDE 0295 class 2
- For preround sector shaped conuctors • Annealed material for easier crimping
- Material: 99.9% electrolytic copper E-CU DIN 40500 • Surface: tin-plated
- Vibration and shock proofing DIN EN 61373:1999-11, Cat. 1, Cl. B



Cu

available with and without sight hole e.g. 29 09 00/S (add xx xx xx/s when ordering)

Art. no.	CSS	M	d2	d1	d4	A	v1	v2	l	B	c1	c2	kg/100		PU
290900 *	0,75	3	3,2	1,3	2,8	6,0	1	-	12,0	6,0	3,25	4,0	0,073	2000	100
290902		4	4,3	1,3	2,8	6,0	1	-	13,0	6,5	4,0	5,0	0,064	2000	100
290904	1,5	3	3,2	1,8	3,3	6,0	1	-	12,0	6,5	3,25	4,0	0,060	2000	100
290906 *		4	4,3	1,8	3,3	6,0	1	-	13,0	6,5	4,0	5,0	0,066	2000	100
290908 *		5	5,3	1,8	3,3	6,0	1	-	14,0	7,5	4,75	5,5	0,087	2000	100
290910		6	6,5	1,8	3,3	6,0	1	-	16,0	9,0	6,5	6,5	0,097	2000	100
290912	2,5	3	3,2	2,3	4,2	6,0	1	-	12,0	7,5	3,25	4,0	0,103	2000	100
290914		4	4,3	2,3	4,2	6,0	1	-	13,0	7,5	4,0	5,0	0,112	2000	100
290916 *		5	5,3	2,3	4,2	6,0	1	-	14,0	8,5	4,75	5,5	0,121	2000	100
290918		6	6,5	2,3	4,2	6,0	1	-	16,0	9,5	6,5	6,5	0,143	2000	100
290920		8	8,5	2,3	4,2	6,0	1	-	20,0	13,0	7,75	9,5	0,151	2000	100
290922	4	4	4,3	3,0	5,0	8,0	1	-	17,0	8,5	4,75	5,5	0,200	2000	100
290924 *		5	5,3	3,0	5,0	8,0	1	-	17,0	9,0	4,75	6,0	0,161	2000	100
290926 *		6	6,5	3,0	5,0	8,0	1	-	19,0	10,0	6,5	6,5	0,220	2000	100
290928		8	8,5	3,0	5,0	8,0	1	-	22,0	13,0	8,5	9,5	0,300	2000	100
290930	6	4	4,3	3,5	6,5	9,0	1	-	18,0	8,5	5,0	5,5	0,452	1800	100
290932 *		5	5,3	3,5	6,5	9,0	1	-	21,0	10,0	6,5	7,5	0,475	1800	100
290934 *		6	6,5	3,5	6,5	9,0	1	-	21,0	12,0	6,5	7,5	0,400	1400	100
290936		8	8,5	3,5	6,5	9,0	1	-	23,0	15,0	10,0	10,0	0,500	1400	100
290938	10	5	5,3	4,5	7,0	10,0	1	-	22,0	12,0	6,5	7,5	0,400	1000	100
290940 *		6	6,5	4,5	7,0	10,0	1	-	22,0	12,0	6,5	7,5	0,400	1000	100
290942 *		8	8,5	4,5	7,0	10,0	1	-	25,0	15,0	10,0	10,0	0,540	800	100
290944		10	10,5	4,5	7,0	10,0	1	-	27,0	17,0	12,0	12,0	0,573	600	100
290946		12	13,0	4,5	7,0	10,0	1	-	29,0	19,0	13,0	13,0	0,600	600	100
290948	16	5	5,3	5,5	8,5	13,0	1	1	26,0	12,0	5,5	6,5	0,800	600	100
290950		6	6,5	5,5	8,5	13,0	1	1	27,0	12,0	6,25	7,5	0,700	600	100
290952 *		8	8,5	5,5	8,5	13,0	1	1	29,0	15,0	8,5	9,5	0,800	400	100
290954		10	10,5	5,5	8,5	13,0	1	1	31,0	17,0	10,5	11,5	0,950	400	100
290956		12	13,0	5,5	8,5	13,0	1	1	33,0	19,0	12,0	13,0	1,000	400	100
290958	25	6	6,5	7,0	10,0	15,0	2	1	30,0	14,0	7,5	7,5	1,100	400	50
290960 *		8	8,5	7,0	10,0	15,0	2	1	32,0	16,0	10,0	10,0	1,200	400	50
290962		10	10,5	7,0	10,0	15,0	2	1	34,0	18,0	12,0	12,0	1,200	300	50
290964		12	13,0	7,0	10,0	15,0	2	1	35,0	19,0	13,0	13,0	1,300	300	50
290966	35	6	6,5	8,5	12,0	17,0	2	1	32,0	17,0	7,5	7,5	1,900	240	40
290968 *		8	8,5	8,5	12,0	17,0	2	1	34,0	17,0	10,0	10,0	1,900	240	40
290970		10	10,5	8,5	12,0	17,0	2	1	37,0	19,0	12,0	12,0	2,100	160	40
290972		12	13,0	8,5	12,0	17,0	2	1	38,0	21,0	13,0	13,0	2,000	160	40
290974		16	17,0	8,5	12,0	17,0	2	1	42,0	26,0	16,0	16,0	2,100	160	40
290976	50	6	6,5	10,0	14,0	19,0	2	1	37,0	20,0	10,0	10,0	2,900	160	40
290978 *		8	8,5	10,0	14,0	19,0	2	1	37,0	20,0	10,0	10,0	2,700	160	40
290980 *		10	10,5	10,0	14,0	19,0	2	1	39,0	20,0	12,0	12,0	2,900	160	25
290982		12	13,0	10,0	14,0	19,0	2	1	43,0	23,0	13,0	13,0	3,300	100	25
290984		16	17,0	10,0	14,0	19,0	2	1	46,0	28,0	16,0	16,0	3,100	100	25
290985	70	6	6,5	12,0	16,5	21,0	2	1	43,0	23,0	10,0	10,0	4,200	100	25
290986		8	8,5	12,0	16,5	21,0	2	1	43,0	23,0	10,0	10,0	4,200	100	25
290988 *		10	10,5	12,0	16,5	21,0	2	1	44,0	23,0	12,0	12,0	4,300	100	25
290990		12	13,0	12,0	16,5	21,0	2	1	46,0	23,0	13,0	13,0	4,500	100	25
290991		14	15,0	12,0	16,5	21,0	2	1	48,0	23,0	14,5	14,5	4,600	100	25
290992		16	17,0	12,0	16,5	21,0	2	1	50,0	28,0	16,0	16,0	5,100	100	25
290994	95	8	8,5	13,5	18,0	25,0	2	1	48,0	26,0	12,0	12,0	5,300	100	25
290996		10	10,5	13,5	18,0	25,0	2	1	48,0	26,0	12,0	12,0	5,100	100	25
290998 *		12	13,0	13,5	18,0	25,0	2	1	49,0	26,0	13,0	13,0	5,200	100	25
290999		14	15,0	13,5	18,0	25,0	2	1	51,0	26,0	14,5	14,5	5,400	60	15
291000		16	17,0	13,5	18,0	25,0	2	1	54,0	28,0	16,0	16,0	5,600	60	15
291002		20	21,0	13,5	18,0	25,0	2	1	60,0	36,0	22,0	22,0	6,000	60	15



Brunel
access to excellence

haupa®
... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

Tubular terminals, standard series

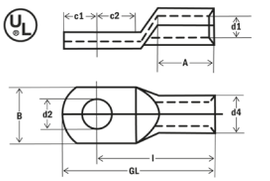
HUPtype

- For stranded round shaped conductors e.g. VDE 0295 class 2
- For preround sector shaped conuctors • Annealed material for easier crimping
- Material: 99.9% electrolytic copper E-CU DIN 40500 • Surface: tin-plated
- Vibration and shock proofing DIN EN 61373:1999-11, Cat. 1, Cl. B

Cu

available with and without sight hole e.g. 29 00 04/S (add xx xx xx/s when ordering)

Art. no.	CSS	M	d2	d1	d4	A	v1	v2	l	B	c1	c2	kg/100		PU
290004	**120**	8	8,5	15,0	19,5	26,0	2	1	51,0	28,0	14,0	14,0	6,300	20	15
290006 ✸		10	10,5	15,0	19,5	26,0	2	1	51,0	28,0	14,0	14,0	6,200	80	15
290008 ✸		12	13,0	15,0	19,5	26,0	2	1	51,0	28,0	14,0	14,0	6,100	80	15
290009		14	15,0	15,0	19,5	26,0	2	1	52,0	28,0	15,0	15,0	5,900	72	18
290010		16	17,0	15,0	19,5	26,0	2	1	54,0	30,0	16,0	16,0	6,200	60	15
290012		20	21,0	15,0	19,5	26,0	2	1	63,0	36,0	22,0	22,0	7,900	60	15
290014	**150**	10	10,5	16,5	21,0	30,0	2	1	56,0	31,0	14,0	14,0	7,500	60	15
290016 ✸		12	13,0	16,5	21,0	30,0	2	1	57,0	31,0	15,0	15,0	7,300	60	15
290017		14	15,0	16,5	21,0	30,0	2	1	57,0	31,0	15,0	15,0	7,900	60	15
290018		16	17,0	16,5	21,0	30,0	2	1	58,0	31,0	16,0	16,0	7,500	60	15
290020		20	21,0	16,5	21,0	30,0	2	1	66,0	36,0	22,0	22,0	8,800	48	12
290022 ✸	**185**	12	13,0	19,0	24,0	30,0	2	1	65,0	35,0	18,0	18,0	11,100	40	20
290023		14	15,0	19,0	24,0	30,0	2	1	65,0	35,0	18,0	18,0	11,800	40	20
290024 ✸		16	17,0	19,0	24,0	30,0	2	1	65,0	35,0	18,0	18,0	10,700	40	20
290026		20	21,0	19,0	24,0	30,0	2	1	69,0	39,0	22,0	22,0	10,700	40	20
290028 ✸	**240**	12	13,0	21,0	26,0	35,0	4	2	72,0	39,0	21,5	19,0	13,700	30	15
290029		14	15,0	21,0	26,0	35,0	4	2	72,0	39,0	21,5	19,0	13,400	30	15
290030 ✸		16	17,0	21,0	26,0	35,0	4	2	72,0	39,0	21,5	19,0	13,400	30	15
290034	**300**	12	13,0	23,5	29,5	44,0	4	2	87,0	43,0	24,0	24,0	22,000	16	8
290036		14	15,0	23,5	29,5	44,0	4	2	87,0	43,0	24,0	24,0	21,700	16	8
290038		16	17,0	23,5	29,5	44,0	4	2	87,0	43,0	24,0	24,0	21,300	16	8
290040		20	21,0	23,5	29,5	44,0	4	2	87,0	43,0	24,0	24,0	21,400	16	8
290046	**400**	16	17,0	27,0	34,0	44,0	4	2	90,0	49,0	24,0	24,0	31,800	10	5
290048		20	21,0	27,0	34,0	44,0	4	2	90,0	49,0	24,0	24,0	30,500	10	5
290041	**500**	16	17,0	31,0	38,0	70,0	4	2	103,0	55,0	24,0	24,0	45,000	12	6
290043		20	21,0	31,0	38,0	70,0	4	2	103,0	55,0	24,0	24,0	45,000	12	6
290045	**625**	16	17,0	34,0	41,0	70,0	4	2	108,0	60,0	24,0	24,0	49,200	6	3
290047		20	21,0	34,0	41,0	70,0	4	2	108,0	60,0	24,0	24,0	49,200	6	3



Brunel
access to excellence

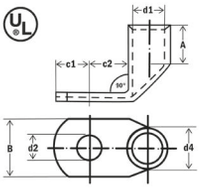
Angled tubular cable lugs 90°, standard series

HUPtype

- For stranded round shaped conductors e.g. VDE 0295 class 2
- For preround sector shaped conuctors • Annealed material for easier crimping
- Material: 99.9% electrolytic copper E-CU DIN 40500
- Surface: tin-plated

Cu

Art. no.	CSS	M	d2	d1	d4	A	v1	v2	l	B	c1	c2	kg/100		PU
290932/90	**6**	5	5,3	3,5	6,5	9,0	1	-	21,0	10,0	6,5	7,5	0,475	1800	100
290934/90		6	6,5	3,5	6,5	9,0	1	-	21,0	12,0	6,5	7,5	0,400	1400	100
290936/90		8	8,5	3,5	6,5	9,0	1	-	23,0	15,0	10,0	10,0	0,500	1400	100
290938/90	**10**	5	5,3	4,5	7,0	10,0	1	-	22,0	12,0	6,5	7,5	0,400	1000	100
290940/90		6	6,5	4,5	7,0	10,0	1	-	22,0	12,0	6,5	7,5	0,400	1000	100
290942/90		8	8,5	4,5	7,0	10,0	1	-	25,0	15,0	10,0	10,0	0,540	800	100
290944/90		10	10,5	4,5	7,0	10,0	1	-	27,0	17,0	12,0	12,0	0,573	600	100
290948/90	**16**	5	5,3	5,5	8,5	13,0	1	1	26,0	12,0	5,5	6,5	0,800	600	100
290950/90		6	6,5	5,5	8,5	13,0	1	1	27,0	12,0	6,25	7,5	0,700	600	100
290952/90		8	8,5	5,5	8,5	13,0	1	1	29,0	15,0	8,5	9,5	0,800	400	100
290954/90		10	10,5	5,5	8,5	13,0	1	1	31,0	17,0	10,5	11,5	0,950	400	100
290956/90		12	13,0	5,5	8,5	13,0	1	1	33,0	19,0	12,0	13,0	1,000	400	100
290958/90	**25**	6	6,5	7,0	10,0	15,0	2	1	30,0	14,0	7,5	7,5	1,100	400	50
290960/90		8	8,5	7,0	10,0	15,0	2	1	32,0	16,0	10,0	10,0	1,200	400	50
290962/90		10	10,5	7,0	10,0	15,0	2	1	34,0	18,0	12,0	12,0	1,250	300	50
290964/90		12	13,0	7,0	10,0	15,0	2	1	35,0	19,0	13,0	13,0	1,300	300	50



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

RoHS

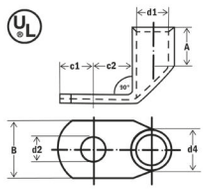
Angled tubular cable lugs 90°, standard series

HUPtype

- For stranded round shaped conductors e.g. VDE 0295 class 2
- For preround sector shaped conuctors • Annealed material for easier crimping
- Material: 99.9% electrolytic copper E-CU DIN 40500
- Surface: tin-plated

Cu

Art. no.	CSS	M	d2	d1	d4	A	v1	v2	l	B	c1	c2	kg/100		PU
290966/90	**35**	6	6,5	8,5	12,0	17,0	2	1	32,0	17,0	7,5	7,5	1,900	240	40
290968/90		8	8,5	8,5	12,0	17,0	2	1	34,0	17,0	10,0	10,0	1,900	240	40
290970/90		10	10,5	8,5	12,0	17,0	2	1	37,0	19,0	12,0	12,0	2,100	160	40
290972/90		12	13,0	8,5	12,0	17,0	2	1	38,0	21,0	13,0	13,0	2,000	160	40
290976/90	**50**	6	6,5	10,0	14,0	19,0	2	1	37,0	20,0	10,0	10,0	2,900	160	40
290978/90		8	8,5	10,0	14,0	19,0	2	1	37,0	20,0	10,0	10,0	2,700	160	40
290980/90		10	10,5	10,0	14,0	19,0	2	1	39,0	20,0	12,0	12,0	2,900	150	25
290982/90		12	13,0	10,0	14,0	19,0	2	1	43,0	23,0	13,0	13,0	3,300	100	25
290986/90	**70**	8	8,5	12,0	16,5	21,0	2	1	43,0	23,0	10,0	10,0	4,200	100	25
290988/90 ✷		10	10,5	12,0	16,5	21,0	2	1	44,0	23,0	12,0	12,0	4,300	100	25
290990/90		12	13,0	12,0	16,5	21,0	2	1	46,0	23,0	13,0	13,0	4,500	100	25
290992/90		16	17,0	12,0	16,5	21,0	2	1	50,0	28,0	16,0	16,0	5,100	100	25
290994/90	**95**	8	8,5	13,5	18,0	25,0	2	1	48,0	26,0	12,0	12,0	5,300	100	25
290996/90		10	10,5	13,5	18,0	25,0	2	1	48,0	26,0	12,0	12,0	5,100	100	25
290998/90		12	13,0	13,5	18,0	25,0	2	1	49,0	26,0	13,0	13,0	5,200	100	25
291000/90		16	17,0	13,5	18,0	25,0	2	1	54,0	28,0	16,0	16,0	5,600	60	15
291002/90		20	21,0	13,5	18,0	25,0	2	1	60,0	36,0	22,0	22,0	6,000	60	15
290006/90	**120**	10	10,5	15,0	19,5	26,0	2	1	51,0	28,0	14,0	14,0	6,200	60	15
290008/90		12	13,0	15,0	19,5	26,0	2	1	51,0	28,0	14,0	14,0	6,100	60	15
290010/90		16	17,0	15,0	19,5	26,0	2	1	54,0	30,0	16,0	16,0	6,200	60	15
290014/90	**150**	10	10,5	16,5	21,0	30,0	2	1	56,0	31,0	14,0	14,0	7,500	72	15
290016/90		12	13,0	16,5	21,0	30,0	2	1	57,0	31,0	15,0	15,0	7,300	72	15
290018/90		16	17,0	16,5	21,0	30,0	2	1	58,0	31,0	16,0	16,0	7,500	48	15
290020/90		20	21,0	16,5	21,0	30,0	2	1	66,0	36,0	22,0	22,0	8,800	48	12
291004/90	**185**	10	10,5	19,0	24,0	30,0	2	1	65,0	35,0	18,0	18,0	11,100	40	20
290022/90		12	13,0	19,0	24,0	30,0	2	1	65,0	35,0	18,0	18,0	11,100	40	20
290024/90		16	17,0	19,0	24,0	30,0	2	1	65,0	35,0	18,0	18,0	10,700	40	20
290028/90	**240**	12	13,0	21,0	26,0	35,0	4	2	72,0	39,0	21,5	19,0	13,700	30	15
290030/90		16	17,0	21,0	26,0	35,0	4	2	72,0	39,0	21,5	19,0	13,400	30	15



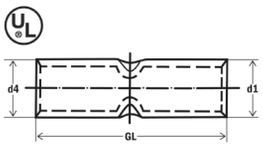
Butt connectors, standard series

HUPtype

- Material: 99.9% E-CU DIN 40500
- Surface: tin-plated • Annealed material for easier crimping
- For stranded conductors e.g. VDE 0295 class 2
- with buttmarks for precise cable insertion

Cu

Art. no.	CSS	d1	d4	v1	v2	TL		kg/100		PU
291050	**0,75**	1,3	2,8	1	-	14		0,051	2000	100
291052	**1,5**	1,8	3,3	1	-	14		0,074	2000	100
291054	**2,5**	2,3	4,2	1	-	16		0,150	2000	100
291056	**4**	3,0	5,0	1	-	19		0,195	1000	100
291058	**6**	3,5	6,5	1	-	19		0,350	1000	100
291060	**10**	4,5	7,0	1	-	30		0,558	600	100
291062	**16**	5,5	8,5	1	1	35		0,984	500	50
291064	**25**	7,0	10,0	2	1	40		1,350	200	50
291066	**35**	8,5	12,0	2	1	45		2,150	200	50
291068	**50**	10,0	14,0	2	1	50		3,100	100	25
291070	**70**	12,0	16,5	2	1	55		4,700	50	25
291072	**95**	13,5	18,0	2	1	60		5,600	50	25
291074	**120**	15,0	19,5	2	1	65		6,800	50	15
291076	**150**	16,5	21,0	2	1	70		7,800	50	20
291078	**185**	19,0	24,0	2	1	80		11,700	36	5
291080	**240**	21,0	26,0	4	2	90		13,900	12	10
291082	**300**	23,5	29,5	4	2	100		22,300	6	5
291084	**400**	27,0	34,0	4	2	100		29,000	6	5

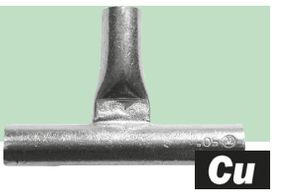


RoHS

T-connectors, standard series

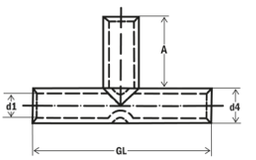
HUPtype

- **Material: 99.9% E-CU DIN 40500**
- **Annealed material for easier crimping**
- **Surface: tin-plated**
- **For stranded conductors e.g. VDE 0295 class 2**



Cu

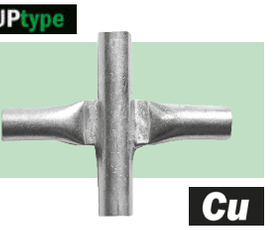
Art. no.	CSS	d1	d4	A	TL	kg/100	PU
291330	**1,5**	1,9	3,9	12	30	0,400	25
291332	**2,5**	2,4	4,4	12	30	0,400	25
291334	**4**	3,0	5,0	12	30	0,600	25
291336	**6**	3,7	5,5	14	35	1,100	25
291338	**10**	4,3	6,7	14	35	1,500	25
291340	**16**	5,4	7,8	21	50	2,300	25
291342	**25**	6,9	9,4	23	55	2,200	25
291344	**35**	8,3	11,3	30	70	3,800	25
291348	**50**	9,6	13,1	34	80	6,000	25
291350	**70**	11,5	15,3	35	85	10,100	25
291352	**95**	13,5	17,5	36	90	11,600	25
291354	**120**	15,5	20,0	38	95	17,800	10
291356	**150**	16,8	21,3	44	110	17,900	10
291358	**185**	19,0	24,0	45	115	28,300	1
291360	**240**	21,0	26,0	52	130	31,200	1



Cross connectors, standard series

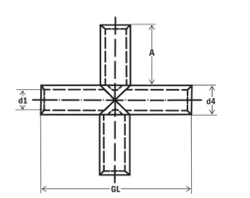
HUPtype

- **Material: 99.9% E-CU DIN 40500**
- **Annealed material for easier crimping**
- **Surface: tin-plated**
- **For stranded conductors e.g. VDE 0295 class 2**



Cu

Art. no.	CSS	d1	d4	A	TL	kg/100	PU
291370	**1,5**	1,9	3,9	12	30	0,450	100
291372	**2,5**	2,4	4,4	12	30	0,520	100
291374	**4**	3,0	5,0	12	30	0,480	25
291376	**6**	3,7	5,5	14	30	0,700	25
291378	**10**	4,3	6,7	14	35	0,800	25
291380	**16**	5,4	7,8	21	50	1,650	25
291382	**25**	6,9	9,4	23	55	3,000	25
291384	**35**	8,3	11,3	30	70	5,100	10
291386	**50**	9,6	13,1	34	80	8,050	10
291388	**70**	11,5	15,3	35	85	10,700	10
291390	**95**	13,5	17,5	36	90	15,700	10
291392	**120**	15,5	20,0	38	95	23,400	10
291394	**150**	16,8	21,3	44	110	18,900	1
291396	**185**	19,0	24,0	45	115	25,000	1
291398	**240**	21,0	26,0	52	130	31,100	1



PU Packing unit PE Price unit

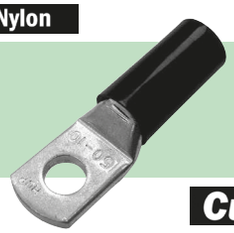
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

RoHS

Tubularcable lugs, nylon-insulated, standard series

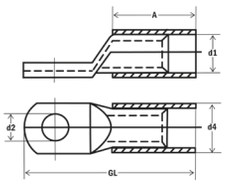
Nylon



Cu

- **Material: 99.9% E-CU DIN 40500**
- **Surface: tin-plated • annealed material for easier crimping**
- **For stranded conductors e.g. VDE 0295 class 2**
- **With inspection hole • crimp directly with insulation**

Art. no.	CSS	M	d2	d1	d4	A	TL	kg/100	PU
290800	**10**	5	5,5	7,0	9,0	17,0	35,5	0,400	100
290801		6	6,5	7,0	9,0	17,0	35,5	0,600	100
290802		8	8,5	7,0	9,0	17,0	42,0	0,500	100
290804		10	10,5	7,0	9,0	17,0	46,0	0,700	50
290806	**16**	5	5,5	8,5	10,5	21,0	39,5	0,600	100
290810		6	6,5	8,5	10,5	21,0	41,3	0,900	50
290812		8	8,5	8,5	10,5	21,0	45,5	1,000	50
290814		10	10,5	8,5	10,5	21,0	49,5	1,000	50
290816		12	13,0	8,5	10,5	21,0	54,0	1,000	50
290818	**25**	6	6,5	10,0	12,0	24,0	46,5	1,200	25
290820		8	8,5	10,0	12,0	24,0	51,0	1,300	25
290822		10	10,5	10,0	12,0	24,0	55,0	1,500	25
290824		12	13,0	10,0	12,0	24,0	57,0	1,400	25
290826	**35**	6	6,5	12,0	14,0	27,0	49,5	2,100	25
290830		8	8,5	12,0	14,5	27,0	54,0	2,100	25
290832		10	10,5	12,0	14,5	27,0	59,0	2,300	25
290834		12	13,0	12,0	14,5	27,0	61,0	2,300	25
290836	**50**	6	6,5	14,0	16,5	32,0	59,0	3,100	25
290840		8	8,5	14,0	16,5	32,0	59,0	3,100	25
290842		10	10,5	14,0	16,5	32,0	63,0	3,300	25
290844		12	13,0	14,0	16,5	32,0	68,0	3,400	25
290846		14	15,0	14,0	16,5	32,0	71,5	3,600	20
290848	**70**	8	8,5	16,4	18,9	33,5	65,5	3,100	15
290850		10	10,5	16,4	18,9	33,5	66,5	5,000	15
290852		12	13,0	16,4	18,9	33,5	70,5	5,000	15
290854		14	15,0	16,4	18,9	33,5	73,5	5,000	15
290856		16	17,0	16,4	18,9	33,5	78,5	5,000	15
290858	**95**	8	8,5	17,8	20,8	40,0	74,0	5,800	25
290860		10	10,5	17,8	20,8	40,0	74,0	5,800	25
290862		12	13,0	17,8	20,8	40,0	76,0	5,200	25
290864		14	15,0	17,8	20,8	40,0	79,5	6,200	25
290866		16	17,0	17,8	20,8	40,0	84,0	6,200	25
290868	**120**	8	8,5	19,3	22,3	41,5	80,5	6,500	25
290870		10	10,5	19,3	22,3	41,5	80,5	7,000	25
290872		12	13,0	19,3	22,3	41,5	80,5	6,200	20
290874		14	15,0	19,3	22,3	41,5	82,5	6,600	20
290876		16	17,0	19,3	22,3	41,5	85,5	6,500	20
290878	**150**	10	10,5	20,8	23,8	48,0	88,0	8,800	20
290880		12	13,0	20,8	23,8	48,0	89,0	8,400	20
290882		14	15,0	20,8	23,8	48,0	90,0	8,500	20
290884		16	17,0	20,8	23,8	48,0	92,0	8,100	20
290886		20	21,0	20,8	23,8	48,0	106,0	8,100	20



haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

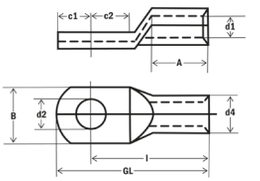
Tubular cable lugs for fine-wired, high flexible conductors

F-type

- For fine stranded conductors, DIN VDE 60228 e.g. VDE 0295 class 5/6
- Material: 99.9% E-CU DIN 40500
- Surface: tin-plated
- With inspection hole

Cu

Art. no.	CSS	M	d2	d1	d4	A	l	c1	c2	kg/100		PU
290250 ✸	**10**	6	6,4	5,0	8,0	16,0	23,0	6,0	7,0	0,700	1000	100
290252		8	8,4	5,0	8,0	17,0	26,0	7,0	9,0	0,700	800	100
290254		10	10,5	5,0	8,0	16,0	26,0	8,0	10,0	0,800	600	100
290256		12	13,0	5,0	8,0	17,0	31,0	10,0	14,0	0,800	600	100
290258	**16**	6	6,4	6,0	9,0	17,0	26,0	7,0	9,0	0,900	600	100
290260 ✸		8	8,4	6,0	9,0	17,0	26,0	7,0	9,0	0,900	400	100
290262		10	10,5	6,0	9,0	16,0	28,0	10,0	12,0	1,000	400	100
290264		12	13,0	6,0	9,0	22,0	35,0	12,0	13,0	1,000	400	100
290266	**25**	6	6,4	8,0	11,0	20,0	30,0	7,0	10,0	1,300	400	50
290268 ✸		8	8,4	8,0	11,0	20,0	30,0	8,0	10,0	1,300	400	50
290270		10	10,5	8,0	11,0	20,0	32,0	10,0	12,0	1,500	300	50
290272		12	13,0	8,0	11,0	22,0	35,0	12,0	13,0	1,500	300	50
290276 ✸	**35**	8	8,4	9,0	13,0	25,0	35,0	10,0	10,0	2,500	240	40
290278		10	10,5	9,0	13,0	24,0	35,0	10,0	11,0	2,500	160	40
290280		12	13,0	9,0	13,0	26,0	40,0	12,0	14,0	2,600	160	40
290282	**50**	8	8,4	11,0	14,5	27,0	39,0	11,0	12,0	3,000	150	25
290284 ✸		10	10,5	11,0	14,5	27,0	39,0	11,0	12,0	2,900	150	25
290286 ✸		12	13,0	11,0	14,5	27,0	41,0	12,0	14,0	2,900	100	25
290288		16	17,0	11,0	14,5	27,0	44,0	15,0	17,0	3,000	100	25
290290	**70**	8	8,4	13,0	17,0	32,0	44,0	11,0	12,0	4,400	100	25
290292 ✸		10	10,5	13,0	17,0	32,0	44,0	11,0	12,0	4,000	100	25
290294		12	13,0	13,0	17,0	32,0	46,0	12,0	14,0	4,400	100	25
290296		16	17,0	13,0	17,0	32,0	49,0	15,0	17,0	4,500	100	25
290300	**95**	10	10,5	15,0	20,0	37,0	54,0	15,0	17,0	7,700	100	25
290302 ✸		12	13,0	15,0	20,0	37,0	54,0	15,0	17,0	7,400	100	25
290304		16	17,0	15,0	20,0	37,0	54,0	15,0	17,0	7,000	100	25
290306	**120**	10	10,5	17,0	22,0	41,0	58,0	15,0	17,0	9,400	80	20
290308 ✸		12	13,0	17,0	22,0	41,0	58,0	15,0	17,0	8,900	80	20
290310		16	17,0	17,0	22,0	41,0	58,0	15,0	17,0	8,700	72	18
290316 ✸	**150**	12	13,0	19,0	25,0	48,0	65,0	15,0	17,0	13,300	48	12
290318		16	17,0	19,0	25,0	48,0	65,0	15,0	17,0	12,700	48	12
290320		20	21,0	19,0	25,0	48,0	68,0	19,0	20,0	8,200	48	10
290322	**185**	12	13,0	21,0	27,0	54,0	71,0	15,0	17,0	16,200	40	20
290324		16	17,0	21,0	27,0	54,0	71,0	15,0	17,0	15,800	40	20
290326		20	21,0	21,0	27,0	54,0	74,0	19,0	20,0	14,200	40	15
290328 ✸	**240**	12	13,0	24,0	30,0	56,0	76,0	19,0	20,0	20,300	30	15
290330		16	17,0	24,0	30,0	56,0	76,0	19,0	20,0	20,700	30	15
290332		20	21,0	24,0	30,0	56,0	76,0	19,0	20,0	18,300	30	15
290334	**300**	12	13,0	26,0	32,0	62,0	93,0	21,0	31,0	30,000	16	8
290336		16	17,0	26,0	32,0	62,0	93,0	21,0	31,0	28,100	16	8
290338		20	21,0	26,0	32,0	62,0	93,0	21,0	31,0	26,200	16	8



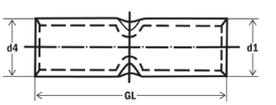
Butt-connector for fine stranded high flexible conductors

F-type

- For fine stranded conductors, DIN VDE 60228 e.g. VDE 0295 class 5/6
- Material: 99.9% E-CU DIN 40500
- Surface: tin-plated
- With buttmarks for precise cable insertion

Cu

Art. no.	CSS	d1	d4	TL		kg/100		PU
290350	**10**	5,0	8,0	30		0,800	600	50
290352	**16**	6,0	9,0	35		1,000	500	50
290354	**25**	8,0	11,0	35		1,300	200	50
290356	**35**	9,0	13,0	35		2,100	200	25
290358	**50**	11,0	14,5	45		3,700	100	25
290360	**70**	13,0	17,0	45		4,600	50	25
290362	**95**	15,0	20,0	45		7,300	50	50
290364	**120**	17,0	22,0	55		6,900	50	25
290366	**150**	19,0	25,0	65		9,800	50	18
290368	**185**	21,0	27,0	70		13,600	36	18
290370	**240**	24,0	30,0	70		16,000	12	6
290372	**300**	26,0	32,0	75		7,000	6	6
290374	**400**	30,0	36,0	100		11,100	6	6



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

RoHS

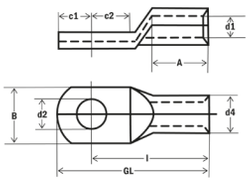
Cable lugs acc. to DIN 46235

DIN

- Material: 99,9% E-Cu DIN 40500
- Tube dimension acc. to DIN 46235 • Surface: bare
- With marks for correct crimping
- Annealed material for easier crimping

Cu

Art. no.	CSS	M	Id.	d2	d1	d4	A	v1	v2	l	c1	c2	B	kg/100		PU
290001	**6**	5	5	5,3	3,8	5,5	10,0	2	-	24,0	6,5	7,5	8,5	0,300	800	100
290003		6	5	6,4	3,8	5,5	10,0	2	-	24,0	7,5	8,0	8,5	0,300	800	100
290005		8	5	8,4	3,8	5,5	10,0	2	-	24,0	10,0	10,0	13,0	0,300	800	100
290007	**10**	5	6	5,3	4,5	6,0	10,0	2	-	27,0	7,0	8,5	9,0	0,700	800	100
290011		6	6	6,4	4,5	6,0	10,0	2	-	27,0	7,5	8,5	9,0	0,600	800	100
290013		8	6	8,4	4,5	6,0	10,0	2	-	27,0	10,0	10,0	13,0	0,300	800	100
290015		10	6	10,5	4,5	6,0	10,0	2	-	28,0	10,0	10,0	15,0	0,500	800	100
290019	**16**	6	8	6,4	5,5	8,5	20,0	2	1	36,0	7,5	8,0	13,0	1,100	500	50
290021		8	8	8,4	5,5	8,5	20,0	2	1	36,0	10,0	10,0	13,0	1,100	400	50
290025		10	8	10,5	5,5	8,5	20,0	2	1	36,0	12,0	12,0	17,0	1,200	400	50
290027		12	8	13,0	5,5	8,5	20,0	2	1	36,0	13,0	13,0	18,0	1,200	400	50
290031	**25**	6	10	6,4	7,0	10,0	20,0	2	1	38,0	7,5	8,0	14,0	1,300	300	50
290033		8	10	8,4	7,0	10,0	20,0	2	1	38,0	10,0	10,0	16,0	1,400	300	50
290035		10	10	10,5	7,0	10,0	20,0	2	1	38,0	12,0	12,0	17,0	1,600	300	50
290037		12	10	13,0	7,0	10,0	20,0	2	1	38,0	13,0	13,0	19,0	1,400	300	50
290039	**35**	6	12	6,4	8,2	12,5	20,0	2	1	42,0	7,5	8,0	17,0	2,700	150	25
290042		8	12	8,4	8,2	12,5	20,0	2	1	42,0	10,0	10,0	17,0	2,900	150	15
290044		10	12	10,5	8,2	12,5	20,0	2	1	42,0	12,0	12,0	19,0	3,000	150	25
290049		12	12	13,0	8,2	12,5	20,0	2	1	42,0	13,0	13,0	21,0	2,800	150	25
290050	**50**	8	14	8,4	10,0	14,5	28,0	3	1	52,0	10,0	10,0	20,0	4,500	100	25
290051		10	14	10,5	10,0	14,5	28,0	3	1	52,0	12,0	12,0	22,0	4,400	100	25
290052		12	14	13,0	10,0	14,5	28,0	3	1	52,0	13,0	13,0	24,0	4,400	100	25
290053		16	14	17,0	10,0	14,5	28,0	3	1	52,0	16,0	16,0	28,0	4,300	100	20
290054	**70**	8	16	8,4	11,5	16,5	28,0	3	1	55,0	10,0	10,0	24,0	5,900	100	25
290055		10	16	10,5	11,5	16,5	28,0	3	1	55,0	12,0	12,0	24,0	6,000	100	25
290056		12	16	13,0	11,5	16,5	28,0	3	1	55,0	13,0	13,0	24,0	5,300	100	25
290057		16	16	17,0	11,5	16,5	28,0	3	1	55,0	16,0	16,0	30,0	5,600	80	20
290058	**95**	10	18	10,5	13,5	19,0	35,0	4	2	65,0	12,0	12,0	28,0	8,900	60	15
290059		12	18	13,0	13,5	19,0	35,0	4	2	65,0	13,0	13,0	28,0	8,500	60	15
290060		16	18	17,0	13,5	19,0	35,0	4	2	65,0	16,0	16,0	32,0	8,700	60	15
290061	**120**	10	20	10,5	15,5	21,0	35,0	4	2	70,0	15,0	16,0	32,0	11,100	40	20
290063		12	20	13,0	15,5	21,0	35,0	4	2	70,0	16,0	17,0	32,0	11,000	40	20
290064		16	20	17,0	15,5	21,0	35,0	4	2	70,0	19,0	20,0	32,0	10,600	40	20
290065		20	20	21,0	15,5	21,0	35,0	4	2	70,0	21,0	22,0	38,0	11,100	30	20
290066	**150**	10	22	10,5	17,0	23,5	35,0	4	2	78,0	15,0	16,0	34,0	15,800	30	15
290067		12	22	13,0	17,0	23,5	35,0	4	2	78,0	16,0	17,0	34,0	15,600	30	15
290068		16	22	17,0	17,0	23,5	35,0	4	2	78,0	19,0	20,0	34,0	15,700	30	15
290069		20	22	21,0	17,0	23,5	35,0	4	2	78,0	21,0	22,0	40,0	15,800	20	12
290070	**185**	10	25	10,5	19,0	25,5	40,0	4	2	82,0	15,0	16,0	37,0	17,200	20	10
290071		12	25	13,0	19,0	25,5	40,0	4	2	82,0	16,0	17,0	37,0	18,300	20	10
290072		16	25	17,0	19,0	25,5	40,0	4	2	82,0	19,0	20,0	37,0	17,700	20	10
290073		20	25	21,0	19,0	25,5	40,0	4	2	82,0	21,0	22,0	40,0	18,900	20	10
290074	**240**	12	28	13,0	21,5	29,0	40,0	5	2	92,0	16,0	17,0	42,0	26,400	16	8
290075		16	28	17,0	21,5	29,0	40,0	5	2	92,0	19,0	20,0	42,0	26,900	16	8
290076		20	28	21,0	21,5	29,0	40,0	5	2	92,0	21,0	22,0	45,0	26,900	16	8
290077	**300**	16	32	17,0	24,5	32,0	50,0	-	2	100,0	19,0	22,0	46,0	33,000	8	4
290078		20	32	21,0	24,5	32,0	50,0	-	2	100,0	19,0	22,0	46,0	33,000	8	4
290079	**400**	16	38	17,0	27,5	38,5	70,0	-	3	115,0	25,0	25,0	55,0	70,200	6	6
290080		20	38	21,0	27,5	38,5	70,0	-	3	115,0	25,0	25,0	54,0	45,100	6	6
290081	**500**	20	42	21,0	31,0	42,0	70,0	-	3	125,0	25,0	25,0	60,0	76,600	6	6
290082	**625**	20	44	21,0	34,5	44,0	80,0	-	3	125,0	25,0	25,0	64,0	78,000	1	1
290083	**800**	20	52	21,0	40,0	52,0	100,0	-	3	165,0	30,0	30,0	75,0	148,600	1	1
290084	**1000**	20	58	21,0	44,0	58,0	100,0	-	3	165,0	30,0	30,0	83,0	195,200	1	1



haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

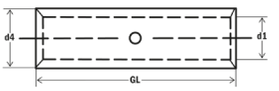
Compression joints acc. to DIN 46267 Part 1 (for non-tension connections)

DIN

- Material: 99.9% E-Cu DIN 40500
- Surface: bare
- With marks for correct crimping
- Annealed material for easier crimping

Cu

Art. no.	CSS	ld.	d1	d4	v1	v2	TL	kg/100		PU
291520	**6**	5	3,8	5,5	2	-	30	0,300	1600	100
291522	**10**	6	4,5	6,0	2	-	30	0,600	1000	100
291524	**16**	8	5,5	8,5	2	1	50	1,450	300	50
291526	**25**	10	7,0	10,0	2	1	50	1,700	300	50
291528	**35**	12	8,2	12,5	2	1	50	3,100	200	50
291530	**50**	14	10,0	14,5	3	1	55	4,400	100	25
291532	**70**	16	11,5	16,5	3	1	55	5,300	100	25
291534	**95**	18	13,5	19,0	4	2	70	8,400	50	15
291536	**120**	20	15,5	21,0	4	2	70	9,600	50	25
291538	**150**	22	17,0	23,5	4	2	80	14,500	30	15
291540	**185**	25	19,0	25,5	4	2	85	16,200	30	5
291542	**240**	28	21,5	29,0	5	2	90	22,400	20	10
291544	**300**	32	24,5	32,0	-	2	100	29,500	10	5
291546	**400**	38	27,5	38,5	-	3	150	72,500	6	8
291548	**500**	42	31,0	42,0	-	3	160	85,600	8	5
291550	**625**	44	34,5	44,0	-	3	160	79,900	6	1
291552	**800**	52	40,0	52,0	-	3	200	151,000	6	1
291554	**1000**	58	44,0	58,0	-	3	1000	198,000	6	1



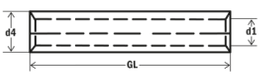
Compression joints acc. to DIN 48085, Part 1 (for full-tension cable connections)

DIN

- Material: 99.9% E-Cu DIN 40500 • Surface: bare
- With marks for correct crimping
- Annealed material for easier crimping
- For full-tension cable connectiones, overhead line construction

Cu

Art. no.	CSS	ld.	d1	d4	v1	v2	TL	kg/100	PU
291440	**6**	6	3,8	6,5	8	-	65	1,200	50
291442	**10**	8	4,5	8,5	10	-	80	2,800	50
291444	**16**	8	5,5	8,5	10	-	95	2,300	50
291446	**25**	10	7,0	10,0	10	-	95	2,600	50
291448	**35**	12	8,2	12,5	10	-	95	5,800	25
291450	**50**	14	10,0	14,5	10	-	110	7,000	25
291452	**70**	16	11,5	16,5	10	-	110	9,000	25
291454	**95**	20	13,5	21,0	16	8	145	8,600	10
291456	**120**	22	15,0	23,5	16	8	160	36,800	10
291458	**150**	25	16,5	25,5	16	8	180	47,500	10
291460	**185**	32	18,5	31,5	-	10	260	118,000	5
291462	**240**	34	21,0	34,5	-	12	310	163,000	5
291464	**300**	38	23,5	38,5	-	14	360	235,000	5



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

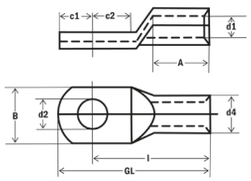
RoHS

Cable lugs acc. to DIN 46235

DIN

- Material: 99,9% E-Cu DIN 40500
- Tube dimension acc. to DIN 46235 • Surface: tin-plated
- With marks for correct crimping
- Annealed material for easier crimping

Cu



Art. no.	CSS	M	Id.	d2	d1	d4	A	v1	v2	l	c1	c2	B	kg/100		PU
290404 *	**6**	6	5	6,4	3,8	5,5	10,0	2	-	24,0	7,5	8,0	8,5	0,300	800	100
290406		8	5	8,4	3,8	5,5	10,0	2	-	24,0	10,0	10,0	13,0	0,300	800	100
290408	**10**	5	6	5,3	4,5	6,0	10,0	2	-	27,0	7,0	8,5	9,0	0,400	800	100
290410 *		6	6	6,4	4,5	6,0	10,0	2	-	27,0	7,5	8,5	9,0	0,400	800	100
290412 *		8	6	8,4	4,5	6,0	10,0	2	-	27,0	10,0	10,0	13,0	0,400	800	100
290414		10	6	10,5	4,5	6,0	10,0	2	-	28,0	10,0	10,0	15,0	0,400	800	100
290416	**16**	6	8	6,4	5,5	8,5	20,0	2	1	36,0	7,5	8,0	13,0	1,200	500	50
290418 *		8	8	8,4	5,5	8,5	20,0	2	1	36,0	10,0	10,0	13,0	1,200	400	50
290420		10	8	10,5	5,5	8,5	20,0	2	1	36,0	12,0	12,0	17,0	1,100	400	50
290422		12	8	13,0	5,5	8,5	20,0	2	1	36,0	13,0	13,0	18,0	1,200	400	50
290424	**25**	6	10	6,4	7,0	10,0	20,0	2	1	38,0	7,5	8,0	14,0	1,300	300	50
290426 *		8	10	8,4	7,0	10,0	20,0	2	1	38,0	10,0	10,0	16,0	1,400	300	50
290428		10	10	10,5	7,0	10,0	20,0	2	1	38,0	12,0	12,0	17,0	1,600	300	50
290430		12	10	13,0	7,0	10,0	20,0	2	1	38,0	13,0	13,0	19,0	1,500	300	50
290432	**35**	6	12	6,4	8,2	12,5	20,0	2	1	42,0	7,5	8,0	17,0	2,700	150	25
290434 *		8	12	8,4	8,2	12,5	20,0	2	1	42,0	10,0	10,0	17,0	2,900	150	25
290436		10	12	10,5	8,2	12,5	20,0	2	1	42,0	12,0	12,0	19,0	2,900	150	25
290438		12	12	13,0	8,2	12,5	20,0	2	1	42,0	13,0	13,0	21,0	2,700	150	25
290440	**50**	8	14	8,4	10,0	14,5	28,0	3	1	52,0	10,0	10,0	20,0	4,400	100	25
290442 *		10	14	10,5	10,0	14,5	28,0	3	1	52,0	12,0	12,0	22,0	4,500	100	25
290444		12	14	13,0	10,0	14,5	28,0	3	1	52,0	13,0	13,0	24,0	4,400	100	25
290446		16	14	17,0	10,0	14,0	28,0	3	1	52,0	16,0	16,0	28,0	4,200	100	20
290448	**70**	8	16	8,4	11,5	16,5	28,0	3	1	55,0	10,0	10,0	24,0	5,900	100	25
290450 *		10	16	10,5	11,5	16,5	28,0	3	1	55,0	12,0	12,0	24,0	5,900	100	25
290452		12	16	13,0	11,5	16,5	28,0	3	1	55,0	13,0	13,0	24,0	5,900	100	25
290454		16	16	17,0	11,5	16,5	28,0	3	1	55,0	16,0	16,0	30,0	5,800	80	20
290456 *	**95**	10	18	10,5	13,5	19,0	35,0	4	2	65,0	12,0	12,0	28,0	8,800	60	15
290458 *		12	18	13,0	13,5	19,0	35,0	4	2	65,0	13,0	13,0	28,0	8,900	60	15
290460		16	18	17,0	13,5	19,0	35,0	4	2	65,0	16,0	16,0	32,0	8,700	60	15
290462	**120**	10	20	10,5	15,5	21,0	35,0	4	2	70,0	15,0	16,0	32,0	11,000	40	20
290464 *		12	20	13,0	15,5	21,0	35,0	4	2	70,0	16,0	17,0	32,0	11,100	40	20
290466		16	20	17,0	15,5	21,0	35,0	4	2	70,0	19,0	20,0	32,0	10,500	40	20
290468		20	20	21,0	15,5	21,0	35,0	4	2	70,0	21,0	22,0	38,0	11,300	25	15
290470	**150**	10	22	10,5	17,0	23,5	35,0	4	2	78,0	15,0	16,0	34,0	15,600	30	15
290472 *		12	22	13,0	17,0	23,5	35,0	4	2	78,0	16,0	17,0	34,0	15,700	30	15
290474		16	22	17,0	17,0	23,5	35,0	4	2	78,0	19,0	20,0	34,0	15,900	30	15
290476		20	22	21,0	17,0	23,5	35,0	4	2	78,0	21,0	22,0	40,0	16,000	25	25
290478	**185**	10	25	10,5	19,0	25,5	40,0	4	2	82,0	15,0	16,0	37,0	18,000	24	10
290480 *		12	25	13,0	19,0	25,5	40,0	4	2	82,0	16,0	17,0	37,0	18,400	24	10
290482 *		16	25	17,0	19,0	25,5	40,0	4	2	82,0	19,0	20,0	37,0	18,400	24	10
290484		20	25	21,0	19,0	25,5	40,0	4	2	82,0	21,0	22,0	40,0	17,700	20	10
290486 *	**240**	12	28	13,0	21,5	29,0	40,0	5	2	92,0	16,0	17,0	42,0	26,500	16	8
290488 *		16	28	17,0	21,5	29,0	40,0	5	2	92,0	19,0	20,0	42,0	26,600	16	8
290490		20	28	21,0	21,5	29,0	40,0	5	2	92,0	21,0	22,0	45,0	27,600	10	8
290492	**300**	16	32	17,0	24,5	32,0	50,0	-	2	100,0	19,0	22,0	46,0	34,300	10	5
290494		20	32	21,0	24,5	32,0	50,0	-	2	100,0	19,0	22,0	46,0	33,100	10	5
290496	**400**	16	38	17,0	27,5	38,5	70,0	-	3	115,0	25,0	25,0	54,0	69,800	8	3
290498		20	38	21,0	27,5	38,5	70,0	-	3	115,0	25,0	25,0	54,0	66,400	8	1
290516	**500**	20	42	21,0	31,0	42,0	70,0	-	3	125,0	25,0	25,0	60,0	82,600	8	1
290518	**625**	20	44	21,0	34,5	44,0	80,0	-	3	125,0	25,0	25,0	64,0	79,000	6	1
290520	**800**	20	52	21,0	40,0	52,0	100,0	-	3	165,5	30,0	30,0	75,0	139,400	10	1
290522	**1000**	20	58	21,0	44,0	58,0	100,0	-	3	165,0	30,0	30,0	83,0	195,000	10	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

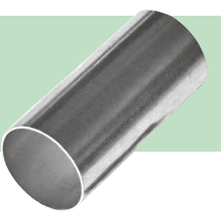
Cable lugs „SmallPack“ acc. to DIN 46235

- **Werks Material: 99,9% electrolytic copper toff: 99,9% Elektrolyt-Kupfer, geglühtes Material**
- **Surface: tin-plated**

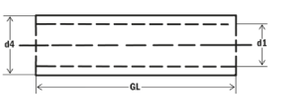
Art. no.	CSS	M	ld.	d2	d1	d4	A	v1	v2	l	c1	c2	B	kg/100	VE
290404/10	**6**	6	5	6,4	3,8	5,5	10,0	2	-	24,0	7,5	8,0	8,5	0,300	10
290406/10		8	5	8,4	3,8	5,5	10,0	2	-	24,0	10,0	10,0	13,0	0,300	10
290410/10	**10**	6	6	6,4	4,5	6,0	10,0	2	-	27,0	7,5	8,5	9,0	0,400	10
290412/10		8	6	8,4	4,5	6,0	10,0	2	-	27,0	10,0	10,0	13,0	0,400	10
290416/10	**16**	6	8	6,4	5,5	8,5	20,0	2	1	36,0	7,5	8,0	13,0	1,200	10
290418/10		8	8	8,4	5,5	8,5	20,0	2	1	36,0	10,0	10,0	13,0	1,200	10
290420/10		10	8	10,5	5,5	8,5	20,0	2	1	36,0	12,0	12,0	17,0	1,100	10
290426/10	**25**	8	10	8,4	7,0	10,0	20,0	2	1	38,0	10,0	10,0	16,0	1,400	10
290428/10		10	10	10,5	7,0	10,0	20,0	2	1	38,0	12,0	12,0	17,0	1,600	10
290434/10	**35**	8	12	8,4	8,2	12,5	20,0	2	1	42,0	10,0	10,0	17,0	2,900	10
290436/10		10	12	10,5	8,2	12,5	20,0	2	1	42,0	12,0	12,0	19,0	2,900	10

Sleeves for round compacted conductors DIN

- **for multiple-wire, thinned, compacted conductors (e.g. VDE 0295 Kl. 2)**
- **for securely pressed and processed DIN cable lugs and connectors**
- **Material: CU EN 13600**
- **Surface: tin-plated**



Art. no.	CSS	d1	d4	TL	kg/100	VE
290561	**16**	5,0	5,3	16	0,024	100
290562	**25**	6,4	6,7	16	0,038	100
290563	**35**	7,7	8,2	17	0,083	100
290564	**50**	9,0	9,5	23	0,118	50
290565	**70**	10,6	11,2	24	0,173	50
290566	**95**	12,4	13,0	28	0,223	50
290567	**120**	13,9	14,5	30	0,261	50
290568	**150**	15,4	16,0	30	0,342	25
290569	**185**	17,6	18,2	38	0,396	25
290570	**240**	19,9	20,5	38	0,508	25
290571	**300**	22,4	23,0	48	0,723	5
290572	**400**	25,4	26,2	58	1,108	5



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

RoHS

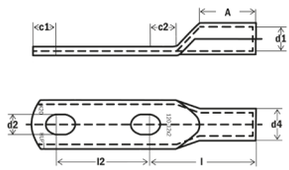
Cable lugs with 2 oval holes acc. to DIN 46235

DIN

- **Material: 99,9% E-Cu DIN 40500**
- **Tube dimension acc. to DIN 46235 • Surface: tin-plated**
- **With marks for correct crimping • version with 2 oval holes**
- **Annealed material for easier crimping**

Cu

Art. no.	CSS	M	Id.	d2	d1	d4	A	l	l2	c1	c2	kg/100	PU
290550	**70**	12	16	13,0	11,5	16,5	28,0	55,0	50-62	13,0	13,0	10,800	25
290552	**95**	12	18	13,0	13,5	19,0	35,0	65,0	50-62	13,0	13,0	14,800	20
290554	**120**	12	20	13,0	15,5	21,0	35,0	70,0	50-62	16,0	17,0	18,600	25
290556	**150**	12	22	13,0	17,0	23,5	35,0	78,0	50-62	16,0	17,0	26,200	25
290558	**185**	12	25	13,0	19,0	25,5	40,0	82,0	50-62	16,0	17,0	26,800	10
290560	**240**	12	28	13,0	21,5	29,0	40,0	92,0	50-62	16,0	17,0	40,200	10



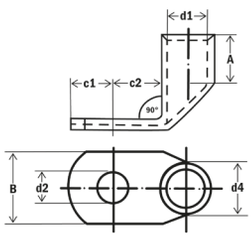
Angled cable lugs 90° acc. to DIN 46325

DIN

- **Material: 99,9% E-Cu DIN 40500**
- **Tube dimension acc. to DIN 46235 • Surface: tin-plated**
- **With marks for correct crimping**
- **Annealed material for easier crimping**

Cu

Art. no.	CSS	M	Id.	d2	d1	d4	A	v1	v2	c1	c2	kg/100	PU
291700	**6**	5	5	5,3	3,8	5,5	10,0	2	-	6,5	9,0	0,400	100
291702 *		6	5	6,4	3,8	5,5	10,0	2	-	7,5	10,0	0,300	100
291704	**10**	5	6	5,3	4,5	6,0	10,0	2	-	7,0	10,0	0,400	100
291706		6	6	6,4	4,5	6,0	10,0	2	-	7,5	10,0	0,500	100
291708		8	6	8,4	4,5	6,0	10,0	2	-	10,0	13,0	1,100	100
291710	**16**	6	8	6,4	5,5	8,5	20,0	2	1	7,5	11,0	1,200	50
291712 *		8	8	8,4	5,5	8,5	20,0	2	1	10,0	13,0	1,100	50
291714		10	8	10,5	5,5	8,5	20,0	2	1	12,0	15,0	1,200	50
291716		12	8	13,0	5,5	8,5	20,0	2	1	13,0	18,0	1,200	50
291718	**25**	6	10	6,4	7,0	10,0	20,0	2	1	7,5	11,0	1,500	50
291720 *		8	10	8,4	7,0	10,0	20,0	2	1	10,0	13,0	1,500	50
291722		10	10	10,5	7,0	10,0	20,0	2	1	12,0	15,0	1,500	50
291724		12	10	13,0	7,0	10,0	20,0	2	1	13,0	18,0	1,500	50
291726 *	**35**	8	12	8,4	8,2	12,5	20,0	2	1	10,0	13,0	2,600	25
291728		10	12	10,5	8,2	12,5	20,0	2	1	12,0	15,0	2,900	25
291730		12	12	13,0	8,2	12,5	20,0	2	1	13,0	18,0	2,900	25
291732	**50**	8	14	8,4	10,0	14,0	28,0	3	1	10,0	16,0	4,100	25
291734 *		10	14	10,5	10,0	14,0	28,0	3	1	12,0	16,0	4,200	20
291736		12	14	13,0	10,0	14,5	28,0	3	1	13,0	18,0	4,500	20
291738		16	14	17,0	10,0	14,5	28,0	3	1	16,0	22,0	4,100	20
291740	**70**	8	16	8,4	11,5	16,5	28,0	3	1	10,0	14,0	5,400	30
291742 *		10	16	10,5	11,5	16,5	28,0	3	1	12,0	16,0	5,500	30
291744		12	16	13,0	11,5	16,5	28,0	3	1	13,0	18,0	6,000	15
291746		16	16	17,0	11,5	16,5	28,0	3	1	16,0	22,0	5,600	30
291748	**95**	10	18	10,5	13,5	19,0	35,0	4	2	12,0	17,0	8,400	10
291750		12	18	13,0	13,5	19,0	35,0	4	2	13,0	18,0	8,700	10
291752		16	18	17,0	13,5	19,0	35,0	4	2	16,0	22,0	8,700	10
291754	**120**	10	20	10,5	15,5	21,0	35,0	4	2	15,0	17,0	10,000	20
291756 *		12	20	13,0	15,5	21,0	35,0	4	2	16,0	18,0	10,000	20
291758		16	20	17,0	15,5	21,0	35,0	4	2	18,0	22,0	10,200	20
291760		20	20	21,0	15,5	21,0	35,0	4	2	21,0	24,0	9,800	15
291762	**150**	10	22	10,5	17,0	23,5	35,0	4	2	15,0	17,0	13,100	15
291764 *		12	22	13,0	17,0	23,5	35,0	4	2	16,0	18,0	13,200	15
291766		16	22	17,0	17,0	23,5	35,0	4	2	19,0	22,0	14,100	15
291768		20	22	21,0	17,0	23,5	35,0	4	2	21,0	24,0	13,700	10
291770	**185**	10	25	10,5	19,0	25,5	40,0	4	2	15,0	22,0	16,400	10
291772		12	25	13,0	19,0	25,5	40,0	4	2	16,0	22,0	15,600	10
291774		16	25	17,0	19,0	25,5	40,0	4	2	19,0	22,0	18,600	10
291776		20	25	21,0	19,0	25,5	40,0	4	2	21,0	24,0	17,500	10
291778	**240**	12	28	13,0	21,5	29,0	40,0	5	2	16,0	22,0	22,400	10
291780		16	28	17,0	21,5	29,0	40,0	5	2	19,0	22,0	22,900	10
291782		20	28	21,0	21,5	29,0	40,0	5	2	21,0	24,0	21,000	10



haupa®

...convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

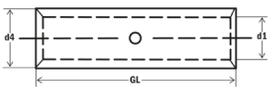
Compression joints acc. to DIN 46267, Part 1 (for non-tension connections)

DIN

- **Material: 99.9% E-CU DIN 40500 • Tube dimension acc. to DIN**
- **Surface: tin-plated • Annealed material for easier crimping**
- **For stranded conductors e.g. VDE 0295 class 2**
- **With buttmarks for precise cable insertion**

Cu

Art. no.	CSS	ld.	d1	d4	v1	v2	TL	kg/100		PU
291521	**6**	5	3,8	5,5	2	-	30	0,300	1600	100
291523	**10**	6	4,5	6,0	2	-	30	0,600	1000	100
291525	**16**	8	5,5	8,5	2	1	50	1,450	300	50
291527	**25**	10	7,0	10,0	2	1	50	1,600	300	50
291529	**35**	12	8,2	12,5	2	1	50	3,000	200	50
291531	**50**	14	10,0	14,5	3	1	55	4,100	100	25
291533	**70**	16	11,5	16,5	3	1	55	5,400	100	25
291535	**95**	18	13,5	19,0	4	2	70	8,300	50	25
291537	**120**	20	15,5	21,0	4	2	70	9,500	50	25
291539	**150**	22	17,0	23,5	4	2	80	14,200	30	15
291541	**185**	25	19,0	25,5	4	2	85	16,900	30	5
291543	**240**	28	21,5	29,0	5	2	90	22,600	20	10
291545	**300**	32	24,5	32,0	-	2	100	29,700	10	5
291547	**400**	38	27,5	38,5	-	3	150	74,000	8	8
291549	**500**	42	31,0	42,0	-	3	160	89,100	5	5
291551	**625**	44	34,5	44,0	-	3	160	79,000	1	1
291553	**800**	52	40,0	52,0	-	3	200	151,300	1	1
291555	**1000**	58	44,0	58,0	-	3	1000	198,000	1	1



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

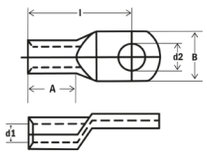
RoHS

Tubular cable lugs of pure nickel, ring type

- **Material: nickel**
- **Temperature resistant to 500° C**

Ni

Art. no.	CSS	M	d2	d1	A	l	kg/100	PU
292560	**0,5**	4	4,3	1,6	13,0	6,0	0,105	100
292562		5	5,3	1,6	14,0	6,0	0,086	100
292564	**1,5**	4	4,3	2,3	13,0	6,0	0,109	100
292566		5	5,3	2,3	14,0	6,0	0,122	100
292568		6	6,5	2,3	16,0	6,0	0,134	100
292570	**4 - 6**	4	4,3	3,6	18,0	8,0	0,300	100
292572		5	5,3	3,6	19,0	8,0	0,200	100
292574		6	6,5	3,6	19,0	8,0	0,300	100

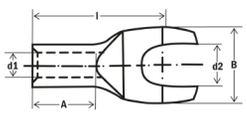


Tubular terminals of pure nickel, forke type

- **Material: nickel**
- **Temperature resistant to 500° C**

Ni

Art. no.	CSS	M	d2	d1	A	l	kg/100	PU
292580	**0,5**	4	4,3	1,6	13,0	6,0	0,073	100
292582		5	5,3	1,6	14,0	6,0	0,070	100
292584	**1,5**	4	4,3	2,3	13,0	6,0	0,100	100
292586		5	5,3	2,3	14,0	6,0	0,100	100
292588		6	6,5	2,3	16,0	6,0	0,110	100
292590	**4 - 6**	4	4,3	3,6	18,0	8,0	0,300	100
292592		5	5,3	3,6	19,0	8,0	0,300	100

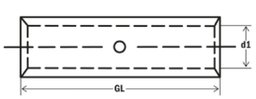


Butt-connectors, made from pure nickel

- **Material: nickel**
- **Temperature resistant to 500° C**
- **With buttmarks for precise able insertion**

Ni

Art. no.	CSS	d1	TL	kg/100	PU
292596	**0,5 - 1**	1,6	15	0,101	100
292598	**1,5 - 2,5**	2,3	15	0,110	100
292600	**4 - 6**	3,6	15	0,190	100

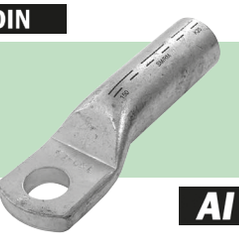


RoHS

Al compression cable lugs

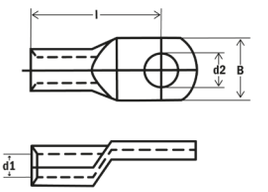
DIN

- Material: Al 99,5% • Surface: bare • Tube dimension to DIN 46329
- With marks for correct crimping
- For non-tension connections of Al-cables DIN 48201, part 1 and DIN EN 50182
- For pre-rounded sm/se sector shaped conductors • including contact grease



Al

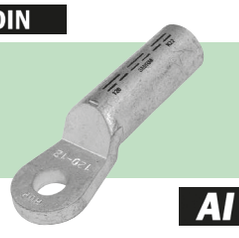
Art. no.	CSS rm/sm	se	M	Id.	d2	d1	v1	v2	l	B	kg/100	PU
292904 ✸	**16**	25	8	12	8,5	5,8	4	2	52,0	18,0	1,400	50
292906			10	12	10,5	5,8	4	2	52,0	18,0	1,400	50
292908 ✸	**25**	35	8	12	8,5	6,8	4	2	60,0	18,0	1,400	50
292910			10	12	10,5	6,8	4	2	60,0	18,0	1,400	50
292912 ✸	**35**	50	10	14	10,5	8,0	5	2	67,0	21,0	2,100	50
292914			12	14	13,0	8,0	5	2	67,0	21,0	2,000	50
292916 ✸	**50**	70	10	16	10,5	9,8	5	2	72,0	25,0	2,700	50
292918			12	16	13,0	9,8	5	2	72,0	25,0	2,700	50
292920 ✸	**70**	95	10	18	10,5	11,2	6	3	86,0	28,0	4,400	40
292922			12	18	13,0	11,2	6	3	86,0	28,0	4,200	40
292924	**95**	120	10	22	10,5	13,2	6	3	90,0	32,0	6,300	25
292926 ✸			12	22	13,0	13,2	6	3	90,0	32,0	6,400	30
292928 ✸			16	22	17,0	13,2	6	3	90,0	34,0	6,400	25
292930 ✸	**120**	150	12	22	13,0	14,7	6	3	91,0	32,0	6,700	25
292932			16	22	17,0	14,7	6	3	91,0	34,0	7,000	25
292934 ✸	**150**	185	12	25	13,0	16,3	6	3	103,0	35,0	9,400	20
292936			16	25	17,0	16,3	6	3	103,0	35,0	8,300	20
292938			20	25	21,0	16,3	6	3	103,0	41,0	9,100	20
292940 ✸	**185**	240	12	28	13,0	18,3	6	3	106,0	40,0	11,700	15
292942			16	28	17,0	18,3	6	3	106,0	40,0	11,600	15
292944			20	28	21,0	18,3	6	3	106,0	40,0	12,000	15
292946 ✸	**240**	300	12	32	13,0	21,0	8	3	116,0	45,0	16,900	10
292948			16	32	17,0	21,0	8	3	116,0	45,0	16,900	12
292950			20	32	21,0	21,0	8	3	116,0	45,0	16,200	10



Al compression cable lugs acc. to DIN 46329

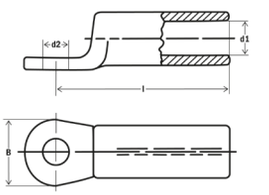
DIN

- Material: Al 99,5% • Surface: bare • Design with oil stop
- Tube dimension to DIN 46329 • With marks for correct crimping
- For non-tension connections of Al-cables DIN 48201, part 1 and DIN EN 50182
- For pre-rounded sm/se sector shaped conductors • Including contact grease



Al

Art. no.	CSS rm/sm	se	M	Id.	d2	d1	v1	v2	l	B	kg/100	PU
292770	**35**	50	10	14	10,5	8,0	5	2	62,0	25,0	2,000	50
292772			12	14	13,0	8,0	5	2	62,0	25,0	2,000	50
292774	**50**	70	10	16	10,5	9,8	5	2	62,0	25,0	2,800	50
292776			12	16	13,0	9,8	5	2	62,0	25,0	2,600	50
292778 ✸	**70**	95	10	18	10,5	11,2	6	3	72,0	25,0	3,900	25
292780			12	18	13,0	11,2	6	3	72,0	25,0	3,500	25
292782 ✸	**95**	120	10	22	10,5	13,2	6	3	75,0	25,0	5,900	25
292784			12	22	13,0	13,2	6	3	75,0	25,0	5,600	25
292786 ✸	**120**	150	12	22	13,0	14,7	6	3	80,0	30,0	6,400	25
292788			16	22	17,0	14,7	6	3	80,0	30,0	6,600	25
292790 ✸	**150**	185	10	25	10,5	16,3	6	3	90,0	30,0	8,400	25
292792			12	25	13,0	16,3	6	3	90,0	30,0	8,300	25
292794			16	25	17,0	16,3	6	3	90,0	30,0	8,200	20
292796	**185**	240	10	28	10,5	18,3	6	3	91,0	30,0	10,400	20
292798 ✸			12	28	13,0	18,3	6	3	91,0	30,0	10,500	20
292800			16	28	17,0	18,3	6	3	91,0	30,0	12,000	20
292802 ✸	**240**	300	12	32	13,0	21,0	8	3	103,0	38,0	16,100	10
292804			16	32	17,0	21,0	8	3	103,0	38,0	15,900	10
292806			20	32	21,0	21,0	8	3	103,0	38,0	15,200	10
292808 ✸	**300**	-	12	34	13,0	23,3	8	3	103,0	38,0	17,200	10
292810			16	34	17,0	23,3	8	3	103,0	38,0	18,500	10
292812			20	34	21,0	23,3	8	3	103,0	38,0	17,300	10
292814	**400**	-	12	38	13,0	26,0	-	4	116,0	38,0	24,700	10
292816			16	38	17,0	26,0	-	4	116,0	38,0	23,000	10
292818			20	38	21,0	26,0	-	4	116,0	38,0	23,500	10
292820	**500**	-	12	44	13,0	29,0	-	4	122,0	44,0	43,600	6
292822			16	44	17,0	29,0	-	4	155,0	44,0	33,200	6
292824			20	44	21,0	29,0	-	4	122,0	44,0	43,000	6



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

RoHS

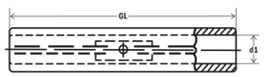
Al-Crimp connector DIN 46267 Part 2

DIN

- Material: Al 99,5% • Surface: bare • Design with oil stop
- Manufactured DIN 46267, part 2 • With marks for correct crimping
- For non-tension connections of Al conductors to DIN 48201, DIN EN 50182
- For pre-rounded sm/se sector shaped conductors • Including contact grease

Al

Art. no.	CSS rm/sm	se	d1	v1	v2	TL	ld./Al	kg/100	PU
293542	**25**	35	6,8	8	4	70	12	1,600	100
293544	**35**	50	8,0	10	4	85	14	2,700	100
293546	**50**	70	9,8	10	4	85	16	3,300	50
293548	**70**	95	11,2	12	6	105	18	5,800	50
293550	**95**	120	13,2	12	6	105	22	8,200	25
293552	**120**	150	14,7	12	6	105	22	7,900	25
293554	**150**	185	16,3	12	6	125	25	11,500	25
293556	**185**	240	18,3	12	6	125	28	12,300	20
293558	**240**	300	20,0	16	6	145	32	21,200	15



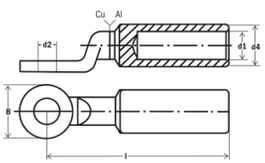
Al and Cu cable lugs, longitudinally sealed

DIN

- Material: Al 99,5% copper screw-on palm E-Cu 99,9%
- Surface: bare • With marking for correct crimping • Barrier design with oil stop
- For pre-rounded sector shaped conductors
- For non-tension connections of Al-cables DIN 48201, part 1 and DIN EN 50182 • including contact grease

Al.Cu

Art. no.	CSS rm/sm	se	M	ld.	d2	d1	v1	v2	l	B	kg/100	PU
293300 ✷	**25**	35	8	12	10,5	6,8	4	2	61,0	23,0	2,600	50
293302			10	12	10,5	6,8	4	2	61,0	23,0	2,500	50
293304			12	12	13,0	6,8	4	2	61,0	23,0	2,900	50
293306 ✷	**35**	50	10	14	10,5	8,0	5	2	71,0	23,0	3,200	50
293308			12	14	13,0	8,0	5	2	71,0	23,0	3,500	50
293310 ✷	**50**	70	10	16	10,5	9,8	5	2	72,0	25,0	3,400	50
293312			12	16	13,0	9,8	5	2	72,0	25,0	4,100	50
293314 ✷	**70**	95	10	18	10,5	11,2	6	3	82,0	26,0	6,100	50
293316			12	18	13,0	11,2	6	3	82,0	26,0	5,500	50
293318 ✷	**95**	120	12	22	13,0	13,2	6	3	85,0	30,0	8,200	25
293320			16	22	17,0	13,2	6	3	85,0	30,0	8,500	25
293322 ✷	**120**	150	12	22	13,0	14,7	6	3	87,0	30,0	8,500	25
293324			16	22	17,0	14,7	6	3	87,0	30,0	8,700	25
293326 ✷	**150**	185	12	25	13,0	16,3	6	3	104,0	36,0	11,000	25
293328			16	25	17,0	16,3	6	3	104,0	36,0	11,200	25
293330 ✷	**185**	240	12	28	13,0	18,3	6	3	105,0	36,0	14,100	10
293332			16	28	17,0	18,3	6	3	105,0	36,0	14,300	10
293334 ✷	**240**	300	12	32	13,0	21,0	8	3	120,0	36,0	18,000	5
293336			20	32	17,0	21,0	8	3	120,0	36,0	29,000	5
293338 ✷	**300**	300	12	34	13,0	23,3	8	3	120,0	38,0	35,000	5



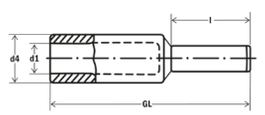
Al/Cu non-tension compession joints with Cu bolt

DIN

- Material: Al 99,5% E-Cu 99,9% • Surface: bare • Marking for correct crimping
- Barrier design with oil stop • For pre-rounded sector shaped conductors
- For non-tension connections of Al-cables DIN 48201, part 1 and DIN EN 50182
- For non-tension Al-connections in Cu clamps • including contact grease

Al.Cu

Art. no.	CSS rm/sm	se	d1	d4	TL	l	Øbo.	Ørope	ld./Al	kg/100	PU
293960	**25**	35	6,8	12,0	58	20,0	6	6,3	12	1,600	1
293962	**35**	35	8,0	14,0	71	22,0	7	7,5	14	2,800	1
293964	**50**	50	10,0	16,0	74	25,0	8	9,0	16	3,800	1
293966	**70**	70	11,5	18,5	87	30,0	10	10,0	18	5,400	1
293968	**95**	120	13,2	23,0	91	33,0	12	12,5	22	10,600	1
293970	**120**	150	15,0	23,0	97	38,0	12	14,0	22	9,000	1
293972	**150**	185	16,5	25,5	108	38,0	12	15,8	25	10,900	1
293974	**185**	240	18,5	28,5	116	44,0	14	17,5	28	15,700	1
293976	**240**	300	21,5	32,5	128	44,0	16	20,3	32	17,000	1
293978	**300**	-	23,5	34,5	131	46,0	18	22,5	34	23,200	1



haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

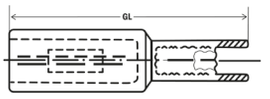
RoHS

Al-Cu reducing connectors

DIN

- for connections with tension relief of Al/Cu conductors to DIN 28201
- Material: Al 99,5%, DIN 40501, E-Cu DIN 40500
- Surface: bare pickled • including contact grease

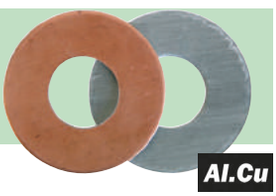
Al.Cu



Art. no.	CSS rm/sm	rm/sm CU	se	TL	Cu	Al	Id./Cu	Id./Al	kg/100	PU
293578	**25**	**16**	35	61	5,5	7,6	8	12	1,600	10
293582	**35**	**16**	50	71	5,5	8,0	8	14	2,100	10
293584		**25**		71	7,0	8,0	10	14	2,500	10
293598	**50**	**25**	70	71,5	7,0	9,8	10	16	3,100	10
293600		**35**		71,5	8,2	9,8	12	16	3,300	10
293606	**70**	**25**	95	79	7,0	11,2	10	18	4,400	10
293608		**35**		79	8,2	11,2	12	18	5,500	10
293610		**50**		85	10,0	11,2	14	18	5,700	10
293622	**95**	**35**	120	79	8,2	13,2	12	22	6,000	5
293624		**50**		85	10,0	13,2	14	22	8,900	5
293626		**70**		87	11,5	13,2	16	22	8,200	5
293634	**120**	**50**	150	87	10,0	14,7	14	22	7,900	5
293636		**70**		89	11,5	14,7	16	22	9,500	5
293638		**95**		97	13,5	14,7	18	22	10,000	5
293652	**150**	**95**	185	107,5	13,5	16,3	18	25	11,700	5
293654		**120**		107,5	15,5	16,3	20	25	14,200	5
293656		**150**		124,0	17,5	16,3	22	25	16,700	5
293664	**185**	**120**	240	108	15,5	18,3	20	28	16,930	5
293666		**150**		113	17,0	18,3	22	28	19,500	5
293678	**240**	**150**	300	124	17,0	21,0	22	32	23,300	5
293680		**185**		127	19,0	21,0	25	32	25,500	5
293688	**300**	**185**	400	128	18,5	19,0	25	34	32,700	5
293690		**240**		128	21,5	23,5	28	34	37,500	5

Cupal washer

- Compound material made from aluminium and copper
- Galvanic isolation between Cu and Al
- Processing only in a dry environment
- Al-sided plated with Cu



Al.Cu

Art. no.	Ø	s1	kg/100	PU
293810	10	1	11,100	50
293812	12	2	11,100	50
293814	14	2	11,100	50
293816	17	2	11,100	50

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Screw terminals

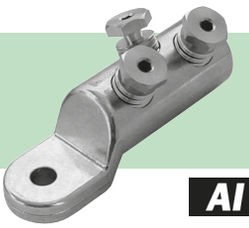
haupa®

... convincing solutions

RoHS

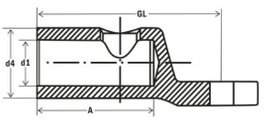
AL screw terminals medium voltage 10-30 KV

- **Material: AL 99,5%**
- **for tension relief connections of Al medium-voltage cables**
- **Tin-plated surface**



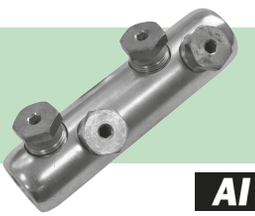
AI

Art. no.	CSS	M	d1	d4	A	TL	○	kg/100	PU
293140	**16 - 95**	12	12,5	24,0	32,0	60	1	6,400	1
293142	**50 - 150**	12	15,5	30,0	35,0	79	1	13,900	1
293144		16	15,5	30,0	35,0	79	1	14,500	1
293146	**95 - 240**	12	20,0	33,0	56,0	95	2	23,700	1
293148		16	20,0	33,0	56,0	95	2	24,400	1
293150	**120 - 300**	12	25,0	38,0	67,0	100	2	33,300	1
293152		16	25,0	38,0	67,0	100	2	32,700	1
293154	**185 - 400**	12	26,0	42,0	82,0	115	3	48,000	1
293156		16	26,0	42,0	82,0	115	3	48,200	1



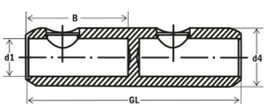
AL screw connectors medium voltage

- **Material: AL 99,5%**
- **Screws: Tin-galvanised brass**
- **Tin-plated surface**



AI

Art. no.	CSS	d1	d4	TL	○	kg/100	PU
293130	**16 - 95**	12,5	24,0	70	2	9,800	1
293132	**50 - 150**	15,5	30,0	85	2	17,700	1
293134	**95 - 240**	20,0	33,0	120	4	33,500	1
293136	**120 - 300**	25,0	38,0	142	4	49,000	1
293138	**185 - 400**	26,0	42,0	170	6	78,900	1



CSS

	AL			CU		
	rm	**re**	**sm**	**rm**	**sm**	⬡
Terminals	16 - 95	16.50/95	25 - 70	16 - 95	25 - 70	1
	50 - 150	50 - 150	50 - 120	35 - 120	50 - 120	1
	95 - 240	95 - 240	95 - 185	95 - 240	95 - 185	2
	120 - 300	120 - 300	120 - 240	120 - 300	120 - 240	2
	155 - 400	185 - 240/400	185 - 300	185 - 300	185 - 300	3
Connectors	16 - 95	16.50/95	25 - 70	16 - 95	25 - 70	2
	50 - 150	50 - 150	50 - 120	35 - 120	50 - 120	2
	95 - 240	95 - 240	95 - 185	95 - 240	95 - 185	4
	120 - 300	120 - 300	120 - 240	120 - 300	120 - 240	4
	155 - 400	185 - 240/400	185 - 300	185 - 300	185 - 300	6

Screw lugs and connectors

Screw connectors are a reliable and economic way of connecting identical or different conductor cross-sections. They can be used up to 36kV. All lugs and connectors are fitted with torque-limited shear-off screws. The actual cross-section of the cable does not need to be known, because each screw lug or connector covers many cable sizes. This results in simplified logistics, a small stock of lugs will cover a wide range of applications. Also, the tin-plated surface means that they can be used on both copper and aluminium cables.

The principle of multiple tear-off screws

The screws of the Haupa screw lugs and connectors have a hexagon head and socket, which clamps the conductor cross-section with optimal clamping torque and therefore reduces assembly time. As the screw is tightened it will shear off when correct torque is reached and a good joint is made.

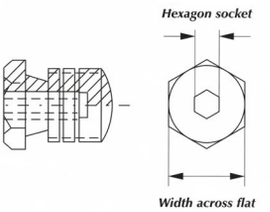
Advantages of the tear-off screw

- simple assembly
- the screw head shears off when clamping torque is right
- no torque key required
- screw can be detached using the hexagon socket

1. The screw is fitted with several tear-off spots, with different shear-off torque, a hexagon head and socket.

2. The tear-off torques are defined in such as way that generally the biggest conductor cross-section is clamped with the biggest clamping torque and the smaller conductor cross-section with the smaller clamping torque. This happens by allocating hexagon head and socket.

3. Assembly is much simpler than with the telescopic screw, because each screw needs to be pulled and torn off only once.



Video

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

RoHS

Tubular cable lugs assortment standard

Content: 380 crimping terminals, crimping pliers (art. 210805), crimp standard 6 - 50 mm², hexagon crimping, in plastic bulk storage chest 415 x 335 x 90 mm.

50 crimping terminal, 6, M6, art. 290934
50 crimping terminal, 6, M8, art. 290936
50 crimping terminal, 10, M6, art. 290940
50 crimping terminal, 10, M8, art. 290942
30 crimping terminal, 16, M8, art. 290952
40 crimping terminal, 16, M10, art. 290954
25 crimping terminal, 25, M8, art. 290960
25 crimping terminal, 25, M10, art. 290962
20 crimping terminal, 35, M8, art. 290968
20 crimping terminal, 35, M10, art. 290970
20 crimping terminal, 50, M8, art. 290978

Art. no.	Content	type	kg	PU
290380	380	standard	6,000	1

Tubular cable lugs assortment DIN 46235

Content: 380 crimping terminals
crimping pliers (art. 210805K), crimp DIN 6 - 50 mm²,
hexagon crimping, in plastic bulk storage chest 415 x 335 x 90 mm.

50 Crimping terminal DIN 46235, 6, M6, art. 290404
50 Crimping terminal DIN 46235, 6, M8, art. 290406
50 Crimping terminal DIN 46235, 10, M6, art. 290410
50 Crimping terminal DIN 46235, 10, M8, art. 290412
30 Crimping terminal DIN 46235, 16, M8, art. 290418
40 Crimping terminal DIN 46235, 16, M10, art. 290420
25 Crimping terminal DIN 46235, 25, M8, art. 290426
25 Crimping terminal DIN 46235, 25, M10, art. 290428
20 Crimping terminal DIN 46235, 35, M8, art. 290434
20 Crimping terminal DIN 46235, 35, M10, art. 290436
20 Crimping terminal DIN 46235, 50, M8, art. 290440

Art. no.	Content	type	kg	PU
290382	380	DIN	6,600	1

SysCon cable lugs DIN & 210805 K

Content: 380 cable lugs DIN 46235, tinned

1	220370	ABS plastic box „SysCon S”
2	220376	Foam „SysCon” 400 x 300 x 15 mm
1	500270	Foam for sets 160 x 400 mm
1	210805 K	Crimping pliers hexagonal crimping 6 – 50 mm²

50	290404	Cable lugs DIN	6	M6
50	290406	Cable lugs DIN	6	M8
50	290410	Cable lugs DIN	10	M6
50	290412	Cable lugs DIN	10	M8
30	290418	Cable lugs DIN	16	M8
40	290420	Cable lugs DIN	16	M10
25	290426	Cable lugs DIN	25	M8
25	290428	Cable lugs DIN	25	M10
20	290434	Cable lugs DIN	35	M8
20	290436	Cable lugs DIN	35	M10
20	290440	Cable lugs DIN	50	M8

Art. no.	Content	type	kg	PU
220385	380	DIN	4,300	1

SysCon cable lugs standard & 210805

Content: 380 cable lugse standard, tinned

1	220370	ABS plastic box „SysCon S”
2	220376	Foam „SysCon” 400 x 300 x 15 mm
1	500270	Foam for sets 160 x 400 mm
1	210805	Crimping plier hexagonal crimping 6 – 50 mm²

50	290934	Cable lugs standard	6	M6
50	290936	Cable lugs standard	6	M8
50	290940	Cable lugs standard	10	M6
50	290942	Cable lugs standard	10	M8
30	290952	Cable lugs standard	16	M8
40	290954	Cable lugs standard	16	M10
25	290960	Cable lugs standard	25	M8
25	290962	Cable lugs standard	25	M10
20	290968	Cable lugs standard	35	M8
20	290970	Cable lugs standard	35	M10
20	290978	Cable lugs standard	50	M8

Art. no.	Content	type	kg	PU
220386	380	standard	4,300	1

SysCon cable lugs DIN 46235

Content: 389 cable lugs DIN, tinned

1	220370	ABS plastic box „SysCon S”
2	220376	Foam „SysCon” 400 x 300 x 15 mm

100	290404	Cable lugs DIN	6	M6
100	290412	Cable lugs DIN	10	M8
50	290418	Cable lugs DIN	16	M8
50	290426	Cable lugs DIN	25	M8
25	290434	Cable lugs DIN	35	M8
18	290442	Cable lugs DIN	50	M10
12	290450	Cable lugs DIN	70	M10
10	290458	Cable lugs DIN	95	M12
12	290464	Cable lugs DIN	120	M12
4	290472	Cable lugs DIN	150	M12
4	290480	Cable lugs DIN	185	M12
4	290486	Cable lugs DIN	240	M12

Art. no.	Content	type	kg	PU
220387	389	DIN	4,300	1

SysCon cable lugs standard

Content: 389 cable lugs standard

1	220370	ABS plastic box „SysCon S”
2	220376	Foam „SysCon” 400 x 300 x 15 mm

100	290934	Cable lugs standard	6	M6
100	290942	Cable lugs standard	10	M8
50	290952	Cable lugs standard	16	M8
50	290960	Cable lugs standard	25	M8
25	290968	Cable lugs standard	35	M8
18	290980	Cable lugs standard	50	M10
12	290988	Cable lugs standard	70	M10
10	290998	Cable lugs standard	95	M12
12	290008	Cable lugs standard	120	M12
4	290016	Cable lugs standard	150	M12
4	290022	Cable lugs standard	185	M12
4	290028	Cable lugs standard	240	M12

Art. no.	Content	type	kg	PU
220388	389	standard	4,300	1

HUP
HUP

Cable ties, accessories

haupa®

... convincing solutions

INFO

Cable ties

HAUPA cable ties are characterised by their tightness, high tensile strength of the loop and extreme flexibility of the cord.
As a result of these characteristics, HAUPA cable ties are able to cope with even the most extreme installation practices, which conventional cable ties would not be able to cope with. All HAUPA cable ties conform to WEEE/RoHS guidelines.

The cable ties product range includes:

- **cable ties**
  colour: transparent/black
- **cable ties**
  colour: black (UV-resistant)
- **releasable ties**
  colour: black
- **double-locking cable ties**
  colour: black
- **cable ties with fixing eye**
  colour: transparent
- **cable ties with label**
  colour: transparent
- **hook and loop ties**
  colour: black, green

Accessories:
- adhesive base, screw base, plug mount base

Ideal storage conditions for cable ties made from nylon
Cable ties are made from high-quality nylon. This technical plastic is usually processed through injection moulding, but it can also be extruded. Nylon is a hygroscopic plastic that absorbs water and can release it. In order to process the ties optimally, it is important that the material is in a balanced state with a water content of approx. 2.5%. The original HAUPA cable tie packaging provides constant water content in the material.

The cable ties should be stored as follows:

Storage in a closed plastic bag made from polyethylene

No direct sunlight

Storage without direct exposure to heat (radiator etc.)

Ideal storage temperature (standard Central European climatic conditions) up to 23° with 50% humidity 23°C

All HAUPA cable ties are made from plastic and are recyclable. The internal toothing of the ties gives you the necessary strength to tie the material. The cable ties can be simply used by hand or with a HAUPA cable tie tool. The slightly bent end allows the tie to be inserted into the head easily.

Use: For bundling and fastening cables, wires and tubes. NH (non-halogen) – RoHS conform

Cable ties

material: nylon, colour transparent, quick and simple to fix by hand or with tensioning tools, extremely resistant to sea water, oil, grease, etc., manufactured in accordance with UL and MIL specification requirements,
- 40° C to 85° C

Art. no.		TL	width			kg/100	PU	PE	
262500/1		75	2,4	15	8	0,040	100	100	30.000
262500		96	2,5	23	8	0,028	100	100	30.000
262502	✸	100	2,5	25	8	0,030	100	100	25.000
262504	✸	142	2,5	35	8	0,044	100	100	25.000
262506	✸	203	2,5	55	8	0,065	100	100	13.000
262508	✸	142	3,2	35	18	0,083	100	100	10.000
262509/1		203	3,6	53	18	0,100	100	100	10.000
262510/1		250	3,6	68	18	0,150	100	100	6.000
262510	✸	292	3,6	85	18	0,155	100	100	7.000
262512/1		120	4,8	27	22	0,080	100	100	10.000
262515		157	4,8	40	22	0,040	100	100	6.000
262512	✸	190	4,8	52	22	0,143	100	100	8.000
262516	✸	203	4,8	55	22	0,145	100	100	7.000
262518	✸	250	4,8	74	22	0,203	100	100	6.000
262520	✸	310	4,8	89	22	0,220	100	100	5.000
262522	✸	368	4,8	102	22	0,274	100	100	4.000
262523		430	4,8	125	22	0,290	100	100	4.000
262528		203	7,6	55	55	0,300	100	100	2.000
262530		280	7,6	78	55	0,400	100	100	2.000
262532	✸	380	7,6	110	55	0,540	100	100	2.500
262536	✸	450	8,8	133	80	0,760	50	100	500
262537		523	8,8	150	80	0,105	50	100	500
262538		610	8,8	185	80	1,270	50	100	500
262535		774	8,8	220	80	1,050	50	100	600
262540		812	8,8	246	80	1,600	20	100	500
262542		914	8,8	270	80	0,860	50	100	500
262543		1219	9,0	374	80	1,100	20	100	500
262545		246	12,4	64	114	0,860	50	100	500
262546		550	12,7	166	114	1,770	50	100	500
262547		1030	12,7	312	114	3,200	20	100	500

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.
✸ Best-seller PREMIUM Premium product

RoHS

Cable ties

material: nylon - colour black, all other data and properties like No. 262500 - 46, weather- and UV-resistant

Art. no.		TL	width			kg/100	PU	PE	
262600/1		75	2,4	15	8	0,035	100	100	30.000
262600		96	2,5	23	8	0,040	100	100	30.000
262602	*	100	2,5	25	8	0,040	100	100	25.000
262604	*	142	2,5	35	8	0,040	100	100	20.000
262606	*	203	2,5	55	8	0,080	100	100	10.000
262608	*	142	3,2	35	18	0,080	100	100	10.000
262609/1		203	3,6	53	18	0,100	100	100	10.000
262610/1		250	3,6	68	18	0,150	100	100	6.000
262610		292	3,6	85	18	0,160	100	100	7.000
262616	*	203	4,6	52	22	0,150	100	100	6.000
262612/1		120	4,8	27	22	0,080	100	100	10.000
262615		157	4,8	40	22	0,100	100	100	6.000
262618	*	250	4,8	74	22	0,200	100	100	6.000
262620	*	310	4,8	89	22	0,240	100	100	5.000
262622	*	368	4,8	102	22	0,270	100	100	4.000
262623		430	4,8	125	22	0,290	100	100	4.000
262628		203	7,6	55	55	0,300	100	100	2.000
262630		280	7,6	78	55	0,400	100	100	2.000
262632	*	380	7,6	110	55	0,540	100	100	2.500
262636	*	450	8,8	133	80	0,880	50	100	500
262637		523	8,8	150	80	1,050	50	100	500
262638		610	8,8	185	80	1,280	50	100	500
262635		774	8,8	220	80	1,050	50	100	600
262640		812	8,8	246	80	1,600	20	100	500
262642		914	8,8	270	80	0,880	50	100	500
262643		1219	9,0	374	80	1,100	20	100	500
262645		246	12,4	64	114	0,860	50	100	500
262646		550	12,7	166	114	1,600	50	100	500
262647		1030	12,7	312	114	0,040	20	100	500

Cable ties

material: polyamide 6,6 - colour transparent, resistant to milden and rotting, extremely resistant to sea water, oil, grease, hydrocarbons and hydraulic fluids, operating temperature: -40° to +85° C, these binders meet the requirements of the military specification Mil.-Spec. 23 190C (WEP) MS-3367

Art. no.	TL	width			kg/100	PU	PE	
262100	100	2,5	23	8	0,031	100	100	25.000
262102	142	3,2	35	18	0,074	100	100	10.000
262101	203	3,6	55	18	0,131	100	100	10.000
262106	203	4,6	55	22	0,150	100	100	7.000
262108	310	4,8	89	22	0,228	100	100	5.000
262110	368	4,8	102	22	0,227	100	100	4.000
262114	380	7,6	110	55	0,560	50	100	2.000
262116	550	12,7	166	114	1,600	50	100	500

Cable ties

material: polyamide 6,6 - colour black, all other data and properties like No. 26 21 00 - 16, resistant to sea water, oil, grease, etc., not UV-resistant

Art. no.	TL	width			kg/100	PU	PE	
262120	100	2,5	25	8	0,003	100	100	25.000
262122	142	3,2	35	18	0,065	100	100	10.000
262124	203	3,6	55	18	0,116	100	100	10.000
262126	203	4,6	55	22	0,145	100	100	6.000
262128	302	4,8	84	22	0,248	100	100	5.000
262130	368	4,8	102	22	0,269	100	100	4.000
262132	280	7,6	78	55	0,397	100	100	2.000
262134	380	7,6	110	55	0,580	50	100	2.000
262136	550	12,7	166	114	1,600	50	100	500

Cable ties “UVplus”

PREMIUM

Long-term weather resistant, for industrial uses, black, UV resistant, material - polyamide, **7 year guarantee**

Art. no.	TL	width			kg/100	PU	PE
262950	100	2,5	25	8	0,030	100	100
262952	202	2,5	50	8	0,070	100	100
262954	150	3,3	38	18	0,070	100	100
262956	201	3,6	57	18	0,150	100	100
262958	290	3,6	82	18	0,160	100	100
262960	199	4,8	56	22	0,150	100	100
262962	250	4,8	72	22	0,200	100	100
262964	290	4,8	83	22	0,220	100	100
262966	371	4,8	129	22	0,270	100	100
262968	290	7,6	82	54	0,410	100	100
262970	370	7,6	108	54	0,550	100	100
262972	542	7,6	162	54	0,750	100	100
262974	523	8,8	156	79	1,000	50	100
262976	709	8,8	213	79	1,000	50	100
262978	774	8,8	233	79	1,000	50	100
262980	920	8,8	279	79	1,000	50	100

Cable ties

material: nylon - colour transparent, all other data and properties like No. 262500 - 46, big packing unit 1000 pcs.

Art. no.	TL	width			kg/100	PU	PE
262501	96	2,5	23	8	0,028	1000	100
262503	100	2,5	25	8	0,026	1000	100
262505	142	2,5	35	8	0,0310	1000	100
262507	203	2,5	55	8	0,065	1000	100
262509	142	3,2	35	18	0,070	1000	100
262511	292	3,6	85	18	0,158	1000	100
262513	190	4,8	52	22	0,140	1000	100
262517	203	4,6	55	22	0,140	1000	100

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

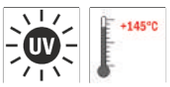
Heat-resistant cable ties

Material nylon 6/6, colour light green, UL94V-2, for high temperature applications between -40°C and +105°C

Art. no.	TL	width		kg	kg/100	PU	PE
263000	100	2,5	21	8	0,030	100	100
263004	200	2,5	21	8	0,065	100	100
263006	120	3,6	37	18	0,039	100	100
263008	160	4,6	40	22	0,082	100	100
263010	199	4,6	40	22	0,134	100	100
263012	371	4,6	106	22	0,260	100	100

"UV" heat-resistant cable ties, black

Material nylon 6/6, colour black, UL94V-2, for high temperature applications between -40°C and +145°C, UV-stabilized



Art. no.	TL	width		kg	kg/100	PU	PE
263020	100	2,5	21	8	0,030	100	100
263022	161	2,5	21	8	0,045	100	100
263024	200	2,5	21	8	0,065	100	100
263026	199	4,6	54	22	0,130	100	100
263028	302	4,6	84	22	0,188	100	100
263030	370	7,6	106	54	0,494	100	100

Flame retardant cable ties

Material nylon 6/6, colour ivory, UL94V-0, for use in temperatures between -40°C and +85°C

Art. no.	TL	width		kg	kg/100	PU	PE
263050	80	2,5	21	8	0,030	100	100
263056	140	3,6	38	18	0,079	100	100
263064	385	4,6	106	22	0,263	100	100
263058	160	4,8	54	22	0,103	100	100
263066	290	7,6	106	54	0,392	100	100

HUPimpact cable ties

PREMIUM

Material shock-resistant nylon 6/6, colour black, UL 94HB, for use in temperatures between -40°C and +80°C, extremely high flexibility in cold environments

Art. no.	TL	width		kg	kg/100	PU	PE
263100	199	4,6	54	22	0,131	100	100
263102	288	4,6	81	22	0,177	100	100
263104	302	4,6	84	22	0,251	100	100
263106	371	4,6	106	22	0,273	100	100
263108	290	7,5	82	54	0,249	100	100
263110	370	7,5	106	54	0,524	100	100
263112	774	8,7	220	79	0,102	100	100

HUPsecure cable ties

Material PP, colour: yellow, can be used as a seal /connector

Art. no.	TL	width		kg/100	PU	PE
263200	245	3,6	43	0,434	100	100
263204	295	3,6	60	0,491	100	100
263208	397	3,6	92	0,537	100	100

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

RoHS

Releasable cable ties for frequent opening and closing

for temporary wiring and sub-assembly, material: polyamide 6,6 - colour black, operation temperature: -40° to +85° C, UL E 341152

Art. no.	TL	width			kg/100	PU	PE
262140	150	7,6	35	22	0,201	100	100
262142	200	7,6	50	22	0,249	100	100
262144	300	7,6	80	22	0,349	100	100

Double-locking-cable ties

material: nylon - colour black, (262710 Nylon 12).

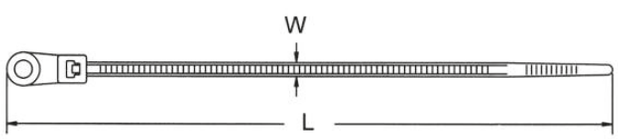
Benefits:
- Flat head geometry
- Exterior
- Smooth side is up against the insulation - no dents or damages
- Wide contact surface protects the cable loom from damages

Application:
- Bundling of tubes in narrow shafts
- Cable bundling in hollow wall spaces
- Pull-out forces are well distributed thanks to the extra-wide tie

Art. no.	TL	width			kg/100	PU	PE
262700	180	9,0	45	55	0,319	100	100
262702	300	9,0	88	55	0,512	100	100
262704	360	9,0	100	55	0,629	100	100
262710	300	9,0	88	55	0,463	100	100

Cable ties with fixing eye

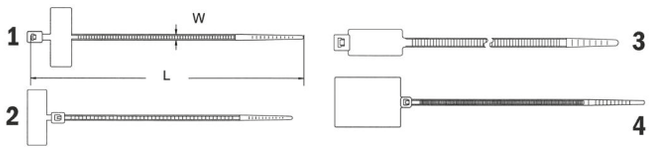
material: nylon, colour transparent, quick and simple to fix by hand or with tensioning tools, extremely resistant to sea water, oil, grease, etc., manufactured in accordance with UL and MIL specification requirements, - 40° C bis 85° C



Art. no.		TL	width	Ø			kg/100	PU	PE
262820		100	2,5	3,0	25	8	0,044	100	100
262822		170	3,7	4,8	40	18	0,100	100	100
262824		170	3,7	4,0	40	18	0,105	100	100
262826	✷	205	4,2	4,6	60	22	0,133	100	100
262828	✷	300	4,8	4,8	85	22	0,224	100	100
262830		300	7,8	6,0	80	55	0,443	100	100
262832		370	4,8	4,9	102	22	0,276	100	100
262834		398	7,9	6,1	122	55	0,595	100	100

Cable ties with marking space

These cable ties are suitable for simple labelling and simultaneous bundling ofcable loops. This saves one work step. Material: nylon, colour natural, can be fastened quickly and easily using a tool or by hand. Extremely resistant to sea water, oil, fats etc, manufactured according to UL gema tested nylon.
Technical data: material polyamide 6.6 (N66), operating temperature -40 to +85 C.
Group features: HF (non-halogen), RoHS-conform



Art. no.			TL	width	label			kg/100	PU	PE
262840	✷	1	100	2,5	25 x 8	25	8	0,049	100	100
262842	✷	4	130	2,5	28 x 20	25	8	0,093	100	100
262844		2	110	2,5	25 x 8	25	8	0,058	100	100
262846		3	200	4,6	28 x 13	50	22	0,147	100	100
262848	✷	1	200	2,5	30 x 15	50	8	0,128	100	100
262850		3	270	4,6	28 x 13	75	22	0,198	100	100

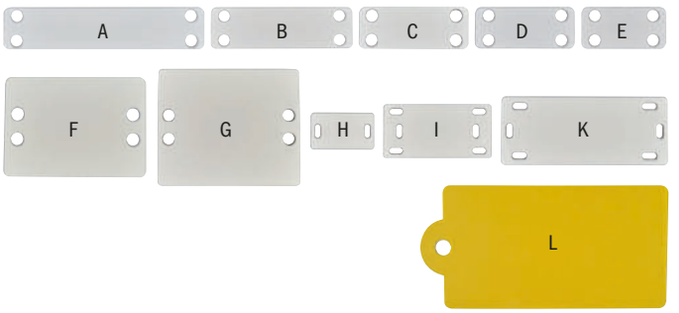
haupa®

... convincing solutions

RoHS

Identification label for cable ties / marking cables

Material PE, for marking cables, pipes and lines, low weight, permanent labelling



Art. no.	TL	W	H	kg/100	PU	PE	
262179	26	15,2	0,8	0,048	100	100	H
262180	42,2	21,2	1,0	0,107	100	100	I
262181	60,8	25,2	1,2	0,201	100	100	K
262182	60,0	50,0	1,0	0,456	100	100	G
262183	38,5	19,1	0,4	0,036	100	100	E
262184	45,3	19,1	0,4	0,043	100	100	D
262185	50,5	19,1	0,4	0,053	100	100	C
262186	65,0	19,1	0,4	0,064	100	100	B
262187	63,8	44,8	0,4	0,167	100	100	F
262188	90,0	19,1	0,4	0,096	100	100	A
262189	160,0	80,0	0,6	1,106	100	100	L

Labelling box

Material PE, for attaching using cable ties (widths up to 4.8mm)

Instructions: Open box, insert labelled paper, snap box shut and attach using cable ties

Art. no.	TL	W	H	kg/100	PU	PE	
262190	11,5	32,6	3,0	0,087	100	100	1
262191	19,1	43,5	4,6	0,257	100	100	2

PU Packing unit PE Price unit

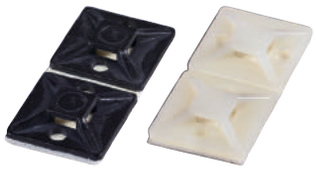
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

RoHS

Self adhesive sockets

for cable ties and a quick and reliable fastening of line or cable bundles and other objects



Art. no.	TL			width	kg/100	PU	PE
262160 ✷	19	natural	3,6	19	0,078	100	100
262161	19	black	3,6	19	0,075	100	100
262162 ✷	28	natural	4,8	28	0,178	100	100
262163	28	black	4,8	28	0,190	100	100

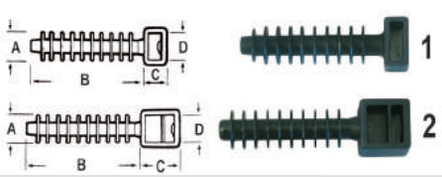
Screw type sockets

for cable ties and a quick and reliable fastening of large diam. Cable bundles and other objects, not UV-resistant

Art. no.	TL			width	kg/100	PU	PE
262164 ✷	1,5	natural	7,8	1	0,121	100	100
262165 ✷	1,5	black	7,8	1	0,136	100	100

Dowel Mounting sockets/Christmas trees

for cable ties up to a width of 9 mm, 2 types with different wall-distances, available wall-fixing avoid the friction of the cable on the wall, black colour



Art. no.	TL		width		C	D	PU	PE
262170 ✷	37	9	10	1	6,5	9,2	100	100
262172	37	9	10	2	6,5	9,2	100	100

Tensioning tools for cable ties

Prevents overstretching and constriction by continnuonsly adjustable stress limitation. The built-in knife will cut only, when the requested tension has been reached

Art. no.	width	material	kg	PU
262151	2,5-5	plastic	0,240	1

Tensioning tools for cable ties

Prevents overstretching and constriction by continnuonsly adjustable stress limitation. The built-in knife will cut only, when the requested tension has been reached

Art. no.	width	material	kg	PU
262152	2,5-5	metal	0,334	1

Tensioning tools for cable ties

Prevents overstretching and constriction by continnuonsly adjustable stress limitation. The built-in knife will cut only, when the requested tension has been reached

Art. no.	width	material	kg	PU
262154	2,5-13	metal	0,365	1

Tensioning tools for cable ties

Prevents overstretching and constriction by continnuonsly adjustable stress limitation. The built-in knife will cut only, when the requested tension has been reached

Art. no.	width	material	kg	PU
262158	2,5-10	metal	0,303	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Hook-and-loop cable ties

made from extruded polyamide-velour laminate, thickness approx. 1.4 mm, selfadhesive back to back, suitable for approx. 200 uses. Colours: black and green Hook-and-loop cable ties with loop, cut to binder measurements for all standard electrical installations

pieces

Art. no.	TL		width	kg/100	PU	PE
262750	125	black	12	0,220	20	100
262752	135	black	12	0,240	20	100
262754	180	black	12	0,300	20	100
262756	210	black	16	0,420	20	100
262758	310	black	16	0,560	20	100
262760	125	green	12	0,220	20	100
262762	135	green	12	0,230	20	100
262764	180	green	12	0,300	20	100
262766	210	green	16	0,430	20	100
262768	310	green	16	0,610	20	100

Hook-and-loop cable ties

coil

Art. no.	TL	width	kg/100	PU	PE
262782	10000	20	10,000	1	1

Polyethene spiral binding

natural, non-flame resistant

Art. no.	TL	Ø	>Ø	kg	PU
262060	30	1,5	10	0,141	1
262062 ✸	30	4	25	0,390	1
262064 ✸	30	9	32	0,780	1

Polyethene spiral binding

white, nearly flame resistant

Art. no.	TL	Ø	>Ø	kg	PU
262066	30	1,5	10	0,156	1
262068 ✸	30	4	25	0,497	1
262069	30	9	32	0,964	1

Polyethene spiral binding

white, nearly flame resistant

Art. no.	TL	Ø	>Ø	kg	PU
262030	2	8	18	0,156	1
262031	2	15	31	0,156	1
262032	2	20	43	0,156	1
262033	2	25	54	0,156	1

Polyethene spiral binding

white, nearly flame resistant

Art. no.	TL	Ø	>Ø	kg	PU
262034	2	8	18	0,156	1
262035	2	15	31	0,156	1
262036	2	20	43	0,156	1
262037	2	25	54	0,156	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Steel cable ties, accessories

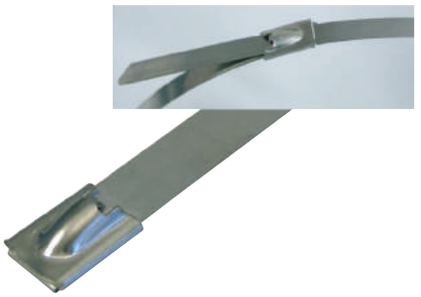
haupa®

... convincing solutions

RoHS

Steel cable ties, SS 316 (V4A) with ball closure

made from stainless steel 316 (DIN 1.4401), corrosion and radiation resistant, non-magnetic, extremely resistant to high temperatures (steel –80 °C to +538 °C) and aggressive chemicals, steel thickness 0.3 mm.
For use in machinery, vehicles, signalling, shipping and mining, in the food and chemical industries, in power plants, underground systems, on drilling platforms, wind-power generation plants and telecommunications, radio technology, stage construction, trade fair construction.



Art. no.	TL	width		kg	kg/100	PU	PE
262940/125 ✸	125	4,5	22	45	0,400	100	100
262940/152 ✸	152	4,5	25	45	0,230	100	100
262940/200 ✸	200	4,5	50	45	0,280	100	100
262940/250 ✸	250	4,5	65	45	0,330	100	100
262940/300 ✸	300	4,5	75	45	0,420	100	100
262940/360 ✸	360	4,5	102	45	0,450	100	100
262940/520 ✸	520	4,5	152	45	0,660	25	100
262950/152	152	8,0	25	113	0,480	100	100
262950/200	200	8,0	50	113	0,680	100	100
262950/300	300	8,0	75	113	0,750	100	100
262950/360	360	8,0	102	113	0,920	100	100
262950/520	520	8,0	152	113	1,280	25	100
262950/680	680	8,0	203	113	1,550	25	100
262950/840	840	8,0	254	113	1,840	25	100
262950/1050	1050	8,0	318	113	2,560	25	100
262960/290	290	12,0	80	272	1,500	100	100
262960/360	360	12,0	102	272	1,700	100	100
262960/520	520	12,0	152	272	2,800	25	100
262960/680	680	12,0	203	272	3,300	25	100
262960/840	840	12,0	254	272	4,500	25	100
262960/1000	1000	12,0	302	272	5,000	25	100
262960/1200	1200	12,0	351	272	5,500	25	100

Steel cable ties, SS 316 (V4A) with ball closure

with cable protection sleeve made of epoxy resin polyester, free from halogen, black made from stainless steel 316 (DIN 1.4401), corrosion and radiation resistant, non-magnetic, extremely resistant to high temperatures (steel –80 °C to +538 °C) and aggressive chemicals, steel thickness 0.3 mm.
For use in machinery, vehicles, signalling, shipping and mining, in the food and chemical industries, in power plants, underground systems, on drilling platforms, wind-power generation plants and telecommunications, radio technology, stage construction, trade fair construction.

Benefits:
- Soft edges
- Easy installation comfort and handling
- Fully coated to prevent contact corrosion
- Gentle fixture

Art. no.	TL	width		kg	kg/100	PU	PE
262942/125	125	4,5	22	45	0,190	100	100
262942/152	152	4,5	25	45	0,230	100	100
262942/200	200	4,5	50	45	0,280	100	100
262942/250	250	4,5	60	45	0,330	100	100
262942/300	300	4,5	75	45	0,420	100	100
262942/360	360	4,5	102	45	0,450	100	100
262942/520	520	4,5	152	45	0,660	25	100
262952/152	152	8,0	25	113	0,480	100	100
262952/200	200	8,0	50	113	0,680	100	100
262952/300	300	8,0	75	113	0,750	100	100
262952/360	360	8,0	102	113	0,920	100	100
262952/520	520	8,0	152	113	1,280	25	100
262952/680	680	8,0	203	113	1,550	25	100
262952/840	840	8,0	254	113	1,840	25	100
262952/1050	1050	8,0	318	113	2,560	25	100
262962/290	290	12,0	80	272	1,500	100	100
262962/360	360	12,0	102	272	1,700	100	100
262962/520	520	12,0	152	272	2,800	25	100
262962/680	680	12,0	203	272	3,300	25	100
262962/840	840	12,0	254	272	4,500	25	100
262962/1000	1000	12,0	302	272	5,000	25	100
262962/1200	1200	12,0	351	272	5,500	25	100

Steel cable ties, SS 316 (V4A) with ratchet function

PREMIUM

made from stainless steel 316 (DIN 1.4401), corrosion and radiation resistant, non-magnetic, extremely resistant to high temperatures (steel –80 °C to +538 °C) and aggressive chemicals, steel thickness 0.3 mm; installation without additional tools.
For use in machinery, vehicles, signalling, shipping and mining, in the food and chemical industries, in power plants, underground systems, on drilling platforms, wind-power generation plants and telecommunications.

Art. no.	TL	width		kg/100	PU	PE
262970/1100	1100	10,0	330	5,500	10	100
262970/1315	1315	10,0	380	6,000	10	100

Tensioning tools for steel cable ties

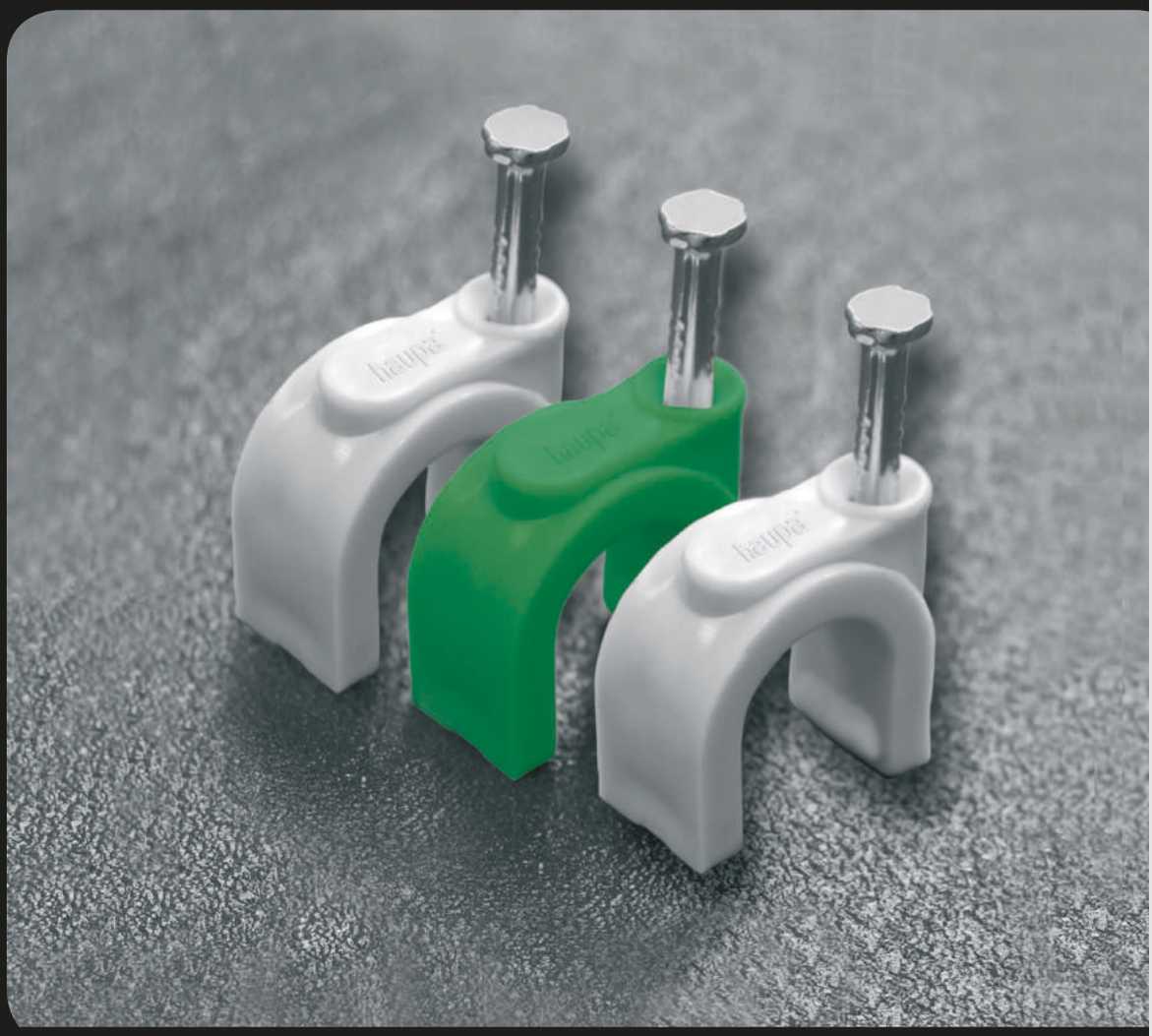
Steel cable ties are tensioned by the tool and can be cut off flush. Cutting is implemented manually using a hand lever, the force cannot be pre-set. Only suitable for steel cable ties (coated and not coated).
Processing width: 4.5 – 12.0 mm, max. thickness of cable ties: 0.3 mm

Art. no.	width	material	kg	PU
262159	4.5 – 12.0	metal	0,560	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

Nailing clips



haupa®
... convincing solutions

INFO

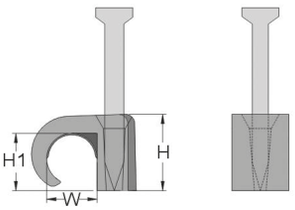
Nailing clips

Material: hammer-proof polyethylene (PE) halogen-free
Temperature resistant: – 40 °C to + 80 °C, and for short periods up to approximately 100 °C

RoHS

Nailing clips for round cable

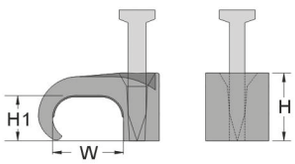
for attaching and fixing electrical cables, optimum claw shape for secure fixing of the cable, can be fixed to the cable, version with inserted galvanised nail, material: hammer-proof polyethylene (PE), halogen-free, temperature resistant: – 40 °C to + 80 °C, and for short periods up to approximately 100 °C.



Art. no.	colour	Ø	H	H1	W	NL	ND	kg/100	PU
262200	transparent	2-3	4,3	2,8	2,8	19	1,65	0,032	100
262202	transparent	3-5	5,6	3,7	2,9	15	2,0	0,038	100
262204	pure white	3-5	5,6	3,7	2,9	15	2,0	0,038	100
262206	black	5-7	8,0	6,0	5,3	20	2,0	0,100	100
262208	transparent	5-7	8,0	6,0	5,3	20	2,0	0,100	100
262209	light grey	5-7	8,0	6,0	5,3	35	2,0	0,100	100
262210 ✷	pure white	5-7	8,0	6,0	5,3	20	2,0	0,102	100
262212	black	7-10	9,5	7,1	6,8	25	2,0	0,093	100
262214	brown	7-10	9,5	7,1	6,8	25	2,0	0,092	100
262215	grey	7-10	9,5	7,1	6,8	35	2,0	0,092	100
262216	red	7-10	9,5	7,1	6,8	25	2,0	0,093	100
262218 ✷	pure white	7-10	9,5	7,1	6,8	25	2,0	0,092	100
262219	light grey	8 - 12	9,5	7,1	6,8	35	2,0	0,120	100
262220	black	10-14	13,0	10,3	9,4	35	2,0	0,166	100
262222 ✷	pure white	10-14	13,0	10,3	9,4	35	2,0	0,162	100
262223	light grey	10-14	13,0	10,3	9,4	44	2,0	0,162	100
262224	black	14-20	17,1	13,7	13,1	40	2,5	0,136	50
262226	pure white	14-20	17,1	13,7	13,1	40	2,5	0,138	50
262227	light-grey	14-20	17,1	13,7	13,1	44	2,5	0,138	100
262228	black	18-22	19,5	17,0	16,4	38	3,2	0,402	50
262230 ✷	pure white	18-22	19,5	17,0	16,4	38	3,2	0,396	50
262231	light grey	18 - 22	19,5	17	16,4	45	2,0	0,396	50
262232	black	22-26	21,0	19,5	24,0	38	3,2	0,464	50
262234	pure white	22-26	21,0	19,5	24,0	38	3,2	0,458	50
262235	light grey	22 - 26	21,0	19,5	24,0	38	3,2	0,458	50

Nailing clips for flat cable

for attaching and fixing electrical cables, optimum claw shape for secure fixing of the cable, can be fixed to the cable, version with inserted galvanised nail, material: hammer-proof polyethylene (PE), halogen-free, temperature resistant: – 40 °C to + 80 °C, and for short periods up to approximately 100 °C.



Art. no.	colour	Ø	H	H1	W	NL	ND	kg/100	PU
262236	transparent	2-4	4,0	2,0	4,0	15	2,0	0,032	100
262238	transparent	3-5	5,2	3,3	4,6	15	2,0	0,038	100
262240	transparent	4-6	5,9	3,8	5,8	15	2,0	0,047	100
262242	light grey	5-8	7,5	4,9	7,9	25	2,0	0,107	100
262243	pure white	5-8	7,5	4,9	7,9	25	2,0	0,103	100
262244	light grey	6-10	8,2	5,8	9,8	25	2,0	0,120	100
262245	pure white	6-10	8,2	5,8	9,8	25	2,0	0,120	100
262246	light grey	7-14	9,3	6,5	11,8	25	2,0	0,176	100
262247	pure white	7-14	9,3	6,5	11,8	25	2,0	0,174	100
262248	light grey	9-18	12,2	9,4	16,7	22	2,5	0,237	100
262249	pure white	9-18	12,2	9,4	16,7	22	2,5	0,236	100

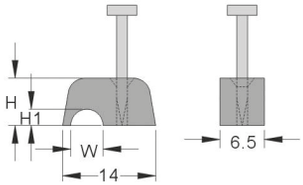
NL = nail length
N-Ø = nail diameter
H = height
H1 = height 1
W = width (opening)

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller PREMIUM Premium product

Nailing clips for round cable

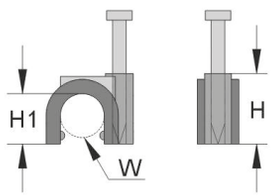
for attaching and fixing electrical cables, version with inserted galvanised nail, material: hammer-proof polyethylene (PE), halogen-free, temperature resistant: – 40 °C to + 80 °C, and for short periods up to approximately 100 °C.



Art. no.	colour	Ø	W	NL	ND	kg/100	PU
262254	light grey	4,1	4,1	15	2,0	0,083	100
262256	light grey	4,1	4,1	20	2,0	0,089	100
262258	light grey	7,0	7,0	20	2,0	0,103	100
262260	light grey	9,0	9,0	20	2,0	0,178	100
262262	light grey	13,2	13,2	20	2,0	0,225	100

ISO nailing clips

for attaching and fixing electrical cables, can be fixed to the cable, version with inserted galvanised nail, material: hammer-proof polyethylene (PE), halogen-free, temperature resistant: – 40 °C to + 80 °C, and for short periods up to approximately 100 °C.



Art. no.	colour	Ø	H	H1	W	NL	ND	kg/100	PU
262264	light grey	2,75	4,5	2,6	2,75	20	2,0	0,083	100
262266	light grey	6,0	9,0	6,6	6,0	20	2,0	0,100	100
262268	light grey	8,0	12,9	9,0	8,0	25	2,0	0,131	100
262270	light grey	9,0	12,0	9,0	9,0	22	2,0	0,132	100
262272	light grey	10,0	13,8	10,4	9,3	25	2,0	0,145	100
262274	light grey	2,75	4,5	2,6	2,75	19	1,65	0,047	100
262276	light grey	3,5	5,9	3,7	3,5	15	2,0	0,060	100
262278	light grey	4,0	6,6	4,2	4,0	18	2,5	0,091	100
262280	light grey	5,0	7,6	5,0	5,0	18	2,5	0,100	100
262282	light grey	6,0	9,0	6,6	6,0	18	2,5	0,106	100
262284	light grey	6,0	10,5	6,9	6,0	20	2,5	0,119	100
262286	light grey	7,0	11,0	7,5	7,0	22	2,5	0,128	100
262288	light grey	8,0	12,9	8,15	8,0	22	2,5	0,136	100
262290	light grey	9,0	12,0	9,0	9,0	22	2,5	0,138	100
262292	light grey	9,5	13,8	10,4	9,3	25	2,5	0,156	100
262294	light grey	11,0	16,6	12,2	11,0	27	2,5	0,234	100
262296	light grey	12,0	16,0	12,3	12,0	27	2,5	0,223	100
262298	light grey	14,0	20,5	15,6	14,0	35	3,0	0,345	100
262300	light grey	16,0	21,7	17,0	16,5	38	3,2	0,472	100
262302	light grey	18,0	22,0	17,5	18,0	38	3,2	0,457	100
262304	light grey	20,0	23,5	18,5	20,0	38	3,2	0,254	50
262306	light grey	22,0	27,8	23,0	22,0	42	3,2	0,321	50
262308	light grey	25,0	30,4	25,0	25,0	47	3,2	0,433	50
262310	light grey	32,0	40,0	33,5	32,0	56	3,6	0,306	25

NL = nail length
N-Ø = nail diameter
H = height
H1 = height 1
W = width (opening)

E186042

Cable glands, IP68

haupa®

... convincing solutions

Cable glands polyamide IP68

INFO

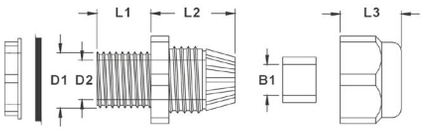
Cable glands polyamide IP68

Properties:
integrated strain relief, fully mounted, RoHS-compliant.
HAUPA cable glands do protect electric equipment (switchboards, distribution boxes) against mechanical influences, dust, and humidity by connecting a cable tight and sealed to the housing.
HAUPA offers next to metric as well PG cable glands.
HAUPA cable glands are IP68 (dust and humidity) to protect human against the potential risk during usage.

Cable glands IP 68, metric or PG, assembled with washer and lock nut, fully mounted

material: polyamide 6.6, (gland body: PA 6.6, halogen free, seal: TPR, halogen free, washer: PVC), colour: light-grey or black, temperature range: – 40°C to + 85°C, vibration protection: integrated anti-twist protection for vibration-firm assembly, fire class: according to UL 94 V–2, protection category: IP68, properties: integrated strain relief; easy to install, RoHS-compliant, completely assembled as shown

IP68



Art. no.	colour		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU	
250040	light- grey	**M12**	3 - 6,5	12,0	8,3	6,9	7,9	19,6	13,6	15	0,024	10	4.250
250042 ✸	light- grey	**M16**	5 - 10	16	10,9	9,6	15,5	23,4	16,9	22	0,024	10	1.700
250044 ✸	light- grey	**M20**	8 - 12	20,0	14,1	12,5	10,0	25,0	18,1	24	0,024	10	1.200
250046	light- grey	**M20**	10 - 14	20,0	15,0	14,8	10,0	28,5	18,5	27	0,024	10	1.190
250048	light- grey	**M20**	10 - 14	20,0	15,0	14,8	15,0	28,5	18,5	27	0,024	10	1.190
250050 ✸	light- grey	**M25**	13 - 18	25,0	18,6	18,4	15,2	29,4	22,3	33	0,024	10	680
250052	light- grey	**M32**	18 - 25	32,0	26,0	25,0	14,7	34,5	25,7	42	0,024	10	340
250054	light- grey	**M40**	22 - 32	40,0	33,7	33,1	18,4	41,7	31,3	54	0,024	5	230
250056	light- grey	**M50**	30 - 38	50,0	41,9	40,0	17,8	44,2	31,3	61	0,024	5	160
250058	light- grey	**M63**	34 - 44	61,0	55,0	43,2	18,5	44,6	32,7	66	0,024	5	120

Art. no.	colour		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU	
250080	black	**M12**	3 - 6,5	12,0	8,3	6,9	7,9	19,6	13,6	15	0,024	10	4.250
250082	black	**M16**	5 - 10	16	10,9	9,6	15,5	23,4	16,9	22	0,024	10	1.700
250084	black	**M20**	8 - 12	20,0	14,1	12,5	10,0	25,0	18,1	24	0,024	10	1.200
250086	black	**M20**	10 - 14	20,0	15,0	14,8	10,0	28,5	18,5	27	1,620	10	1.190
250088	black	**M20**	10 - 14	20,0	15,0	14,8	15,0	28,5	18,5	27	17,000	10	1.190
250090	black	**M25**	13 - 18	25,0	18,6	18,4	15,2	29,4	22,3	33	2,690	10	680
250092	black	**M32**	18 - 25	32,0	26,0	25,0	14,7	34,5	25,7	42	4,560	10	340
250094	black	**M40**	22 - 32	40,0	33,7	33,1	18,4	41,7	31,3	54	8,100	5	230
250096	black	**M50**	30 - 38	50,0	41,9	40,0	17,8	44,2	31,3	61	10,100	5	160
250098	black	**M63**	34 - 44	61,0	55,0	43,2	18,5	44,6	32,7	66	11,400	5	120

Art. no.	colour		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU	
250060	light- grey	**PG7**	3,5 - 6	12,5	8,3	6,9	7,9	20,0	13,3	15	0,024	10	4.250
250062 ✸	light- grey	**PG9**	4 - 8	15,2	10,5	7,8	7,9	22,0	15,1	19	0,024	10	2.980
250064 ✸	light- grey	**PG11**	5 - 10	18,6	13,2	10,8	7,9	23,7	18,3	22	0,024	10	2.040
250066 ✸	light- grey	**PG13,5**	6 - 12	20,4	15,5	12,5	8,9	24,6	18,9	24	0,024	10	1.530
250068 ✸	light- grey	**PG16**	10 - 14	22,5	17,2	15,0	9,8	26,2	19,5	27	0,024	10	1.190
250070	light- grey	**PG21**	13 - 18	28,3	22,4	18,5	10,8	30,0	23,7	33	0,024	10	680
250072	light- grey	**PG29**	18 - 25	37,0	30,6	25,3	10,8	35,0	27,4	42	0,024	10	380
250074	light- grey	**PG36**	22 - 32	47,0	35,3	36,3	7,9	42,3	30,3	53	0,024	5	200
250076	light- grey	**PG42**	30 - 38	54,0	40,0	40,4	14,5	44,0	31,2	60	0,024	5	140
250078	light- grey	**PG48**	34 - 44	59,3	46,2	46,3	15,6	42,7	31,3	65	0,024	5	130

Art. no.	colour		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU	
250100	black	**PG7**	3,5 - 6	12,5	8,3	6,9	7,9	20,0	13,3	15	0,560	10	4.250
250102	black	**PG9**	4 - 8	15,2	10,5	7,8	7,9	22,0	15,1	19	7,500	10	2.980
250104	black	**PG11**	5 - 10	18,6	13,2	10,8	7,9	23,7	18,3	22	1,030	10	2.040
250106	black	**PG13,5**	6 - 12	20,4	15,5	12,5	8,9	24,6	18,9	24	1,400	10	1.530
250108	black	**PG16**	10 - 14	22,5	17,2	15,0	9,8	26,2	19,5	27	1,560	10	1.190
250110	black	**PG21**	13 - 18	28,3	22,4	18,5	10,8	30,0	23,7	33	2,480	10	680
250112	black	**PG29**	18 - 25	37,0	30,6	25,3	10,8	35,0	27,4	42	4,160	10	380
250114	black	**PG36**	22 - 32	47,0	35,3	36,3	7,9	42,3	30,3	53	8,240	5	200
250116	black	**PG42**	30 - 38	54,0	40,0	40,4	14,5	44,0	31,2	60	10,800	5	140
250118	black	**PG48**	34 - 44	59,3	46,2	46,3	15,6	42,7	31,3	65	11,600	5	130

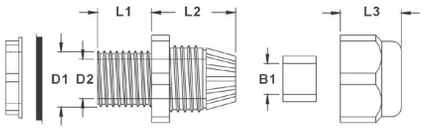
PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

SlimTop cable glands polyamide IP68

SlimTop - cable glands IP 68, metric or PG, assembled with washer and lock nut, industry

material: polyamide 6.6, (gland body: PA 6.6, halogen free, seal: TPR, halogen free, washer: PVC), colour: light-grey or black, temperature range: – 40°C to + 85°C, vibration protection: integrated anti-twist protection for vibration-firm assembly, fire class: according to UL 94 V–2, protection category: IP68, properties: integrated strain relief, not mounted, easy to install, RoHS-compliant

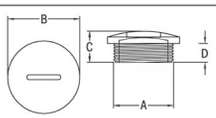


Art. no.	colour		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU	
250140	light- grey	**M12**	3 - 6,5	12,0	7,3	7,1	8,0	19,6	12,7	15	0,400	10	4.250
250142	light- grey	**M16**	5 - 10	16,0	10,7	10,4	8,0	23,3	16,1	20	0,800	10	1.700
250044	light- grey	**M20**	8 - 12	20,0	14,1	12,5	10,0	25,0	18,1	24	0,024	10	1.200
250144	light- grey	**M25**	11 - 17	25,0	18,0	17,3	8,0	30,0	20,0	29	1,400	10	680
250146	light- grey	**M32**	15 - 21	32,0	25,7	21,6	10,0	35,4	24,1	36	2,900	10	340
250148	light- grey	**M40**	20 - 28	40,0	32,7	28,6	10,0	39,4	27,5	46	4,800	5	230
250150	light- grey	**M50**	27 - 35	50,0	42,4	35,8	12,0	43,4	31,8	55	8,300	5	160
250152	light- grey	**M63**	32 - 42	63,0	55,0	48,8	12,0	46,4	33,7	66	10,200	5	120

Art. no.	colour		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU	
250120	light- grey	**M12**	3 - 6,5	12,0	7,3	7,1	8,0	19,6	12,7	15	0,400	10	4.250
250122	light- grey	**M16**	5 - 10	16,0	10,7	10,4	8,0	23,3	16,1	20	0,8	10	1.700
250084	black	**M20**	8 - 12	20,0	14,1	12,5	10,0	25,0	18,1	24	0,024	10	1.200
250124	light- grey	**M25**	11 - 17	25,0	14,1	17,3	20,0	25	18,1	29	1,400	10	680
250126	light- grey	**M32**	15 - 21	32,0	25,7	21,6	10,0	35,4	24,1	36	2,900	10	340
250128	light- grey	**M40**	20 - 28	40,0	32,7	28,6	10,0	39,4	27,5	46	4,800	5	230
250130	light- grey	**M50**	27 - 35	50,0	42,4	35,8	12,0	43,4	31,8	55	8,300	5	160
250132	light- grey	**M63**	32 - 42	63,0	55,0	48,8	12,0	46,4	33,7	66	10,200	5	120

Dummy plugs

Dummy plugs light- grey and black



Art. no.	colour		A	B	DD		kg/100	PU
250196	light- grey	**M12**	11,7	15,0	10,0	6,0	0,090	100
250198	light- grey	**M16**	15,7	20,0	10,5	6,0	0,150	100
250200	light- grey	**M20**	19,9	24,0	12,8	6,0	0,220	100
250202	light- grey	**M25**	24,7	29,7	12,8	7,8	0,350	100
250204	light- grey	**M32**	31,7	36,6	13,3	7,8	0,330	50
250206	light- grey	**M40**	39,9	45,8	13,4	7,8	0,420	50
250208	light- grey	**M50**	49,4	55,5	16,2	9,8	1,300	10
250210	light- grey	**M63**	62,4	69,3	17,5	11,8	1,800	10
250212	light- grey	**PG7**	12,2	14,8	10,0	6,0	0,090	100
250214	light- grey	**PG9**	15,1	18,7	10,4	6,0	0,140	100
250216	light- grey	**PG11**	18,5	21,7	10,4	6,0	0,140	100
250218	light- grey	**PG13,5**	20,3	23,7	10,3	6,0	0,210	100
250220	light- grey	**PG16**	22,3	27,0	10,3	6,0	0,290	100
250222	light- grey	**PG21**	28,2	32,8	12,8	7,8	0,480	100
250224	light- grey	**PG29**	37,0	44,1	13,2	7,8	0,400	50
250226	light- grey	**PG36**	47,0	52,6	13,7	7,8	0,500	50
250228	light- grey	**PG42**	54,0	59,5	16,2	9,6	0,090	10
250230	light- grey	**PG48**	59,6	64,2	17,5	11,8	1,800	10

Art. no.	colour		A	B	DD		kg/100	PU
250160	black	**M12**	11,7	15,0	10,0	6,0	0,090	100
250162	black	**M16**	15,7	20,0	10,5	6,0	0,150	100
250164	black	**M20**	19,9	24,0	10,5	6,0	0,220	100
250166	black	**M25**	24,7	29,7	12,8	7,8	0,350	100
250168	black	**M32**	31,7	36,6	13,3	7,8	0,330	50
250170	black	**M40**	39,9	45,8	13,4	7,8	0,420	50
250172	black	**M50**	49,4	55,5	16,2	9,8	1,300	10
250174	black	**M63**	62,4	69,3	17,5	11,8	1,800	10
250176	black	**PG7**	12,2	14,8	10,0	6,0	0,090	100
250178	black	**PG9**	15,1	18,7	10,4	6,0	0,140	100
250180	black	**PG11**	18,5	21,7	10,4	6,0	0,140	100
250182	black	**PG13,5**	20,3	23,7	10,3	6,0	0,210	100
250184	black	**PG16**	22,3	27,0	10,3	6,0	0,290	100
250186	black	**PG21**	28,2	32,8	12,8	7,8	0,480	100
250188	black	**PG29**	37,0	44,1	13,2	7,8	0,400	50
250190	black	**PG36**	47,0	52,6	13,7	7,8	0,500	50
250192	black	**M12**	54,0	59,5	16,2	9,6	1,300	10
250194	black	**PG48**	59,6	64,2	17,5	11,8	1,800	10

Cable glands brass nickel-plated, IP68

INFO

Cable glands polyamide IP68

Properties:
integrated strain relief, fully mounted, RoHS-compliant.
HAUPA cable glands do protect electric equipment (switchboards, distribution boxes) against mechanical influences, dust, and humidity by connecting a cable tight and sealed to the housing.
HAUPA offers next to metric as well PG cable glands.

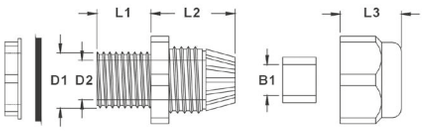
For an EMC-compatible installation, brass cable glands inclusive EMC insets should be used.

HAUPA cable glands are IP68 (dust and humidity) to protect human against the potential risk during usage.

Cable glands brass nickel-plated, IP68, fully mounted

Material: brass nickel-plated, (halogen free)
lock nut/washer: TPR
temperature range: – 40°C to + 120°C
protection category: IP68

IP68



Art. no.		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU
250600	**M12**	3 - 8,5	12,0	8,4	6,8	6,2	17	10,9	14	0,024	10
250602 ✷	**M16**	4 - 8	16,0	12,0	8,6	7,7	18,0	12,9	18	0,024	10
250604 ✷	**M20**	6 - 12	20,0	16,0	11,9	8,1	20,0	13,9	22	0,030	10
250606 ✷	**M25**	10-14	25,0	20,5	14,5	8,5	20,2	14,0	24-27	0,043	10
250608 ✷	**M32**	15-22	32,0	27,0	21,5	10	24,5	18,0	35	0,085	10
250610	**M40**	18-25	40,0	35,5	25,5	11	27,0	19,0	40-45	0,140	5
250611	**M40**	22-30	40,0	35,0	30,5	11,0	28,0	20,5	45	0,140	5
250612	**M50**	32-38	50,0	44,0	39,0	13	32,0	23,0	55-57	0,260	5
250614	**M63**	37-44	63,0	55,5	44,5	14	34,0	22,0	64-68	0,380	5

Art. no.		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU
250630	**PG7**	3-6,5	12,0	8,5	6,9	6,5	16,5	10,8	14	0,013	10
250632 ✷	**PG9**	4-8	14,8	11,8	8,5	8,1	18,9	12,7	17	0,019	10
250634 ✷	**PG11**	5 - 10	18,2	14,2	10,5	8	18,5	13,5	20-21	0,028	10
250636 ✷	**PG13,5**	6-12	20,1	16,2	12,1	7,7	20,5	13,9	23-22	0,033	10
250638 ✷	**PG16**	10-14	22,2	18,3	14,5	8,3	19,7	14,2	25-24	0,038	10
250640 ✷	**PG21**	13-18	28,2	23,8	18,2	8,8	23,3	16,5	30	0,060	10
250642 ✷	**PG29**	18-25	36,6	32,4	25,2	10,0	26,3	19,4	40	0,111	10
250644	**PG36**	25-33	46,0	41,5	33,2	11,0	32,0	22,0	50	0,190	5
250646	**PG42**	32-38	53,8	47,7	38,7	12,0	32,0	22,0	57	0,255	5
250648	**PG48**	37 - 44	59,0	52,6	44,5	12,6	33,9	22,8	64	0,345	5

PG threads

Threads Ident.	external mm	Core-hole mm
Pg 7	12,5	11,3
Pg 9	15,2	13,9
Pg 11	18,6	17,3
Pg 13,5	20,4	19,1
Pg 16	22,5	21,2
Pg 21	28,3	26,8
Pg 29	37,0	35,5
Pg 36	47,0	45,5
Pg 42	54,0	52,5
Pg 48	59,3	57,8

Metric thread

Threads Ident.	external mm	Core-hole mm
M 12	12,0	12,5
M 16	16,0	16,5
M 20	20,0	20,5
M 25	25,0	25,5
M 32	32,0	32,5
M 40	40,0	40,5
M 50	50,0	50,5
M 63	63,0	63,5

Converting PG to metric

PG size	Diameter mm	Cable diameter mm	Conversion to metric mm
Pg 7	12,5	6,0	M 12 x 1,5
Pg 7	12,5	6,0	M 16 x 1,5
Pg 9	15,5	8,0	M 16 x 1,5
Pg 11	18,6	10,0	M 20 x 1,5
Pg 13,5	20,4	12,0	M 20 x 1,5
Pg 13,5	20,4	12,0	M 25 x 1,5
Pg 16	22,5	14,0	M 20 x 1,5
Pg 16	22,5	14,0	M 25 x 1,5
Pg 21	28,3	18,0	M 25 x 1,5
Pg 21	28,3	18,0	M 32 x 1,5
Pg 29	28,3	18,0	M 32 x 1,5
Pg 29	28,3	18,0	M 40 x 1,5
Pg 36	47,0	32,0	M 50 x 1,5
Pg 42	54,0	38,0	M 50 x 1,5
Pg 42	54,0	38,0	M 63 x 1,5
Pg 48	59,3	43,0	M 63 x 1,5

Wrench size for cables glands

Connecting threads PG	Wrench size	Connecting threads metric	Wrench size
PG7	SW 15	M12 x 1,5	SW 15
PG9	SW 19	M16 x 1,5	SW 19
PG11	SW 22	M20 x 1,5	SW 24
PG13,5	SW 24	M25 x 1,5	SW 30
PG16	SW 27	M32 x 1,5	SW 36
PG21	SW 33	M40 x 1,5	SW 46
PG29	SW 42	M50 x 1,5	SW 55
PG36	SW 53	M63 x 1,5	SW 66
PG42	SW 60		
PG48	SW 65		

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

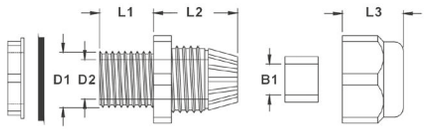
✷ Best-seller PREMIUM Premium product

Cable glands brass nickel-plated, IP68

EMC-Cable glands brass nickel-plated, IP68, fully mounted

To ensure correct EMP installation, the brass cable screws with EMP inserts should be used.

Material: brass nickel-plated, (halogen free)
lock nut/washer: TPR
temperature range: – 40°C to + 120°C
protection category: IP68



Art. no.		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU
250650	**M12**	3 - 8,5	12,0	8,4	6,8	6,2	17,0	10,9	14	0,013	10
250652	**M16**	4 - 8	16,0	12,0	8,6	7,7	18,0	12,9	18	0,024	10
250654	**M20**	6 - 12	20,0	16,0	11,9	8,1	20,0	13,9	22	0,030	10
250656	**M25**	10-14	25,0	20,5	14,5	8,5	20,2	14,0	24-27	0,043	10
250658	**M32**	15-22	32,0	27,0	21,5	10,0	24,5	18,0	35	0,085	10
250660	**M40**	18-25	40,0	35,5	25,5	11,0	27,0	19,0	40-45	0,140	5
250661	**M40**	22-30	40,0	35,0	30,5	11,0	28,0	20,5	45	0,140	5
250662	**M50**	32-38	50,0	44,0	39,0	13,0	32,0	23,0	55-57	0,260	5
250664	**M63**	37-44	63,0	55,5	44,5	14,0	34,0	22,0	64-68	0,380	5

Art. no.		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU
250666	**PG7**	3-6,5	12,0	8,5	6,9	6,5	16,5	10,8	14	0,013	10
250668	**PG9**	4-8	14,8	11,8	8,5	8,1	18,9	12,7	17	0,019	10
250670	**PG11**	5-10	18,2	14,2	10,5	8,0	18,5	13,5	20-21	0,028	10
250672	**PG13,5**	6-12	20,1	16,2	12,1	7,7	20,5	13,9	23-22	0,033	10
250674	**PG16**	10-14	22,2	18,3	14,5	8,3	19,7	14,2	25-24	0,038	10
250676	**PG21**	13-18	28,2	23,8	18,2	8,8	23,3	16,5	30	0,024	10
250678	**PG29**	18-25	36,6	32,4	25,2	10,0	26,3	19,4	40	0,111	10
250680	**PG36**	25-33	46,0	41,5	33,2	11,0	32,0	22,0	50	0,190	5
250682	**PG42**	32-38	53,8	47,7	38,7	12,0	32,0	22,0	57	0,255	5
250684	**PG48**	37-44	59,0	52,6	44,5	12,6	33,9	22,8	64	0,345	5

Heat shrinkable tubes
HUPshrink

haupa®
... convincing solutions

INFO

HUPshrink - HAUPA Heat shrinkable tubes

Shrinking tubes are plastic tubes that rapidly contract upon exposure to heat - mostly through the injection of hot air. The object is inserted into the tube prior to heating and is therefore electrically insulated against its environment and protected from mechanical damage.

Application:
Heat shrinkable tubes serve as insulation and mechanical protection. Areas of application are, for instance, the repairing of components in electrical engineering or the cutting of cables. The three main electronic and electrotechnical applications of the tubes are for sealing, insulation and protection.

Adhesive:
The HAUPA heat shrinkable tubes HUPshrink are available with or without an adhesive lining on the inside. The tubes with an adhesive lining allow for precise work, offer robust connections and very good protection against corrosion.

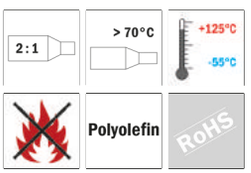
Shrink ratio:
The basic material (plastic) used and the thickness of the wall determine how much a shrinking tube can expand. The shrink ratio gives the size of the original heat shrink tube in relation to its shrunken, final form. (Original size to (:) Final size). The higher the shrink ratio, the greater the variation in diameter that can be covered.

Important electrical performance features:
- Dielectric strength 19 kV/mm
- Specific electrical resistance 1 x 1014 Ω/cm

Notes for using:
- Cut the heat shrinkable tubes to desired length, this should be done on a smooth surface
- Conduct the shrinking on a clean, preferably dust and grease-free surface
- Start the shrink process unilaterally from one end of the tube
- Shrink temperature:
  +70 °C - +115 °C (without adhesive lining) respectively
  +80 °C - +115 °C (with adhesive lining)
- Optimum results when used with the matching Industrial hot air blower (Art. no. 262097 - see page 196).

Set HUPshrink21TW thin-walled 2:1

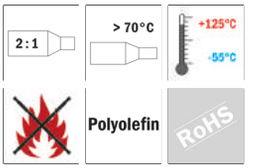
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 160 pieces, in plastic box, thin-walled



Art. no.					kg	PU
267200 ✸	2:1	black		160-pieces	0,060	1

Set HUPshrink21TW thin-walled 2:1 coloured

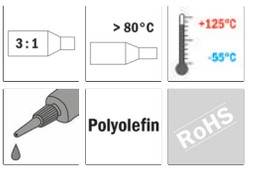
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 160 pieces, in plastic box, thin-walled



Art. no.					kg	PU
267202 ✸	2:1	6 colours		160-pieces	0,060	1

Set HUPshrink31DW-A double-walled 3:1 with adhesive lining

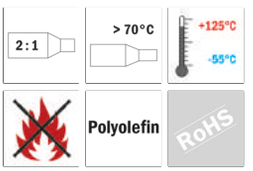
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 55° C to 125° C, 25 pieces, in plastic box, double-walled, with adhesive lining



Art. no.					kg	PU
267204 ✸	3:1	black		25-pieces	0,060	1

Set HUPshrink21TW thin-walled 2:1 coloured

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 160 pieces, in plastic box, thin-walled



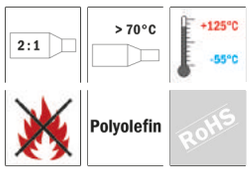
Art. no.					kg	PU
267206 ✸	2:1	4 colours		160-pieces	0,060	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

HUPshrink21TW thin-walled 2:1

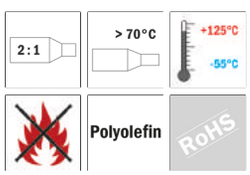
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 50 pieces, 0.1 m long packaged in a polybag, thin-walled



Art. no.	m		Ø before	Ø after	kg	PU
267000	0,1	2:1	2,5	1,0	0,060	50
267002	0,1	2:1	3,5	1,5	0,060	50
267004	0,1	2:1	5,0	2,25	0,060	50
267006	0,1	2:1	6,5	3,0	0,060	50
267008	0,1	2:1	9,6	4,5	0,060	25
267010	0,1	2:1	12,7	6,0	0,060	10
267012	0,1	2:1	19,0	9,0	0,060	10
267014	0,1	2:1	26,0	12,5	0,060	10

HUPshrink21 thin-walled 2:1 blister package

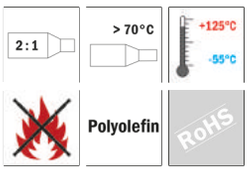
of polyolefin, radiation interlaced, self extinguished according to MV SS 302, thin and flexible, dielectric strength 15 - 25 KV/mm acc. to DIN 53481, operating temperature: - 55° C to 125° C, shrinking temperature: > 70°C, 1 m length in self-service-pack



Art. no.	m		Ø before	Ø after	kg	PU
262085	1	2:1	4,8	2,4	0,007	1
262086	1	2:1	6,4	3,2	0,010	1
262087	1	2:1	9,5	4,8	0,012	1
262088	1	2:1	12,7	6,4	0,017	1
262089	1	2:1	19,0	9,5	0,035	1
262090	1	2:1	25,4	12,7	0,045	1

HUPshrink21TW thin-walled 2:1 Box

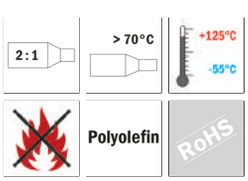
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C - 125° C, 5/10m roll in dispenser, thin-walled



Art. no.	m		Ø before	Ø after	kg	PU
267016	10	2:1	2,5	1,0	0,150	1
267018	10	2:1	3,5	1,5	0,160	1
267020	10	2:1	5,0	2,25	0,183	1
267022	5	2:1	6,5	3,0	0,111	1
267024	5	2:1	9,6	4,5	0,133	1
267026	5	2:1	12,7	6,0	0,210	1
267028	5	2:1	19,0	9,0	0,222	1
267030	5	2:1	26,0	12,5	0,350	1
267032	10	2:1	2,5	1,0	0,150	1
267034	10	2:1	3,5	1,5	0,160	1
267036	10	2:1	5,0	2,25	0,183	1
267038	5	2:1	6,5	3,0	0,111	1
267040	5	2:1	9,6	4,5	0,133	1
267042	5	2:1	12,7	6,0	0,210	1
267044	5	2:1	19,0	9,0	0,222	1
267046	5	2:1	26,0	12,5	0,350	1
267132	10	2:1	2,5	1,0	0,350	1
267134	10	2:1	3,5	1,5	0,350	1
267136	10	2:1	5,0	2,25	0,350	1
267138	5	2:1	6,5	3,0	0,350	1
267140	5	2:1	9,6	4,5	0,350	1
267142	5	2:1	12,7	6,0	0,350	1
267144	5	2:1	19,0	9,0	0,350	1
267146	5	2:1	26,0	12,5	0,350	1

HUPshrink21TW thin-walled 2:1

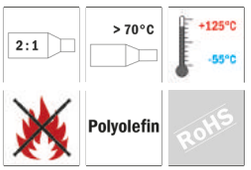
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 25m roll packaged in a polybag, thin-walled



Art. no.	m		Ø before	Ø after	kg	PU
267048	25	2:1	2,5	1,0	0,060	1
267050	25	2:1	3,5	1,5	0,060	1
267052	25	2:1	5,0	2,25	0,060	1
267054	25	2:1	6,5	3,0	0,060	1
267056	25	2:1	9,6	4,5	0,060	1
267058	25	2:1	12,7	6,0	0,060	1
267060	25	2:1	19,0	9,0	0,060	1
267062	25	2:1	26,0	12,5	0,060	1

HUPshrink21TW thin-walled 2:1

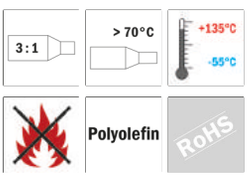
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, packaged in a polybag, thin-walled



Art. no.	m		Ø before	Ø after	kg	PU
267250	1,2	2:1	1,2	0,6	0,006	1
267252	1,2	2:1	1,6	0,8	0,006	1
267254	1,2	2:1	2,5	1,0	0,008	1
267256	1,2	2:1	3,5	1,5	0,009	1
267258	1,2	2:1	5,0	2,25	0,011	1
267260	1,2	2:1	6,5	3,0	0,014	1
267262	1,2	2:1	9,6	4,5	0,019	1
267264	1,2	2:1	12,7	6,0	0,024	1
267266	1,2	2:1	19,0	9,0	0,043	1
267268	1,2	2:1	26,0	12,5	0,061	1
267272	1,2	2:1	1,6	0,8	0,006	1
267274	1,2	2:1	2,5	1,0	0,008	1
267276	1,2	2:1	3,5	1,5	0,009	1
267278	1,2	2:1	5,0	2,25	0,011	1
267280	1,2	2:1	6,5	3,0	0,014	1
267282	1,2	2:1	9,6	4,5	0,019	1
267284	1,2	2:1	12,7	6,0	0,024	1
267286	1,2	2:1	19,0	9,0	0,043	1
267288	1,2	2:1	26,0	12,5	0,061	1
267292	1,2	2:1	1,6	0,8	0,006	1
267294	1,2	2:1	2,5	1,0	0,008	1
267296	1,2	2:1	3,5	1,5	0,009	1
267298	1,2	2:1	5,0	2,25	0,011	1
267300	1,2	2:1	6,5	3,0	0,014	1
267302	1,2	2:1	9,6	4,5	0,019	1
267304	1,2	2:1	12,7	6,0	0,024	1
267306	1,2	2:1	19,0	9,0	0,043	1
267308	1,2	2:1	26,0	12,5	0,061	1
267312	1,2	2:1	1,6	0,8	0,006	1
267314	1,2	2:1	2,5	1,0	0,008	1
267316	1,2	2:1	3,5	1,5	0,009	1
267318	1,2	2:1	5,0	2,25	0,011	1
267320	1,2	2:1	6,5	3,0	0,014	1
267322	1,2	2:1	9,6	4,5	0,019	1
267324	1,2	2:1	12,7	6,0	0,024	1
267326	1,2	2:1	19,0	9,0	0,043	1
267328	1,2	2:1	26,0	12,5	0,061	1
267332	1,2	2:1	1,6	0,8	0,006	1
267334	1,2	2:1	2,5	1,0	0,008	1
267336	1,2	2:1	3,5	1,5	0,009	1
267338	1,2	2:1	5,0	2,25	0,011	1
267340	1,2	2:1	6,5	3,0	0,014	1
267342	1,2	2:1	9,6	4,5	0,019	1
267344	1,2	2:1	12,7	6,0	0,024	1
267346	1,2	2:1	19,0	9,0	0,043	1
267348	1,2	2:1	26,0	12,5	0,061	1
267352	1,2	2:1	1,6	0,8	0,006	1
267354	1,2	2:1	2,5	1,0	0,008	1
267356	1,2	2:1	3,5	1,5	0,009	1
267358	1,2	2:1	5,0	2,25	0,011	1
267360	1,2	2:1	6,5	3,0	0,014	1
267362	1,2	2:1	9,6	4,5	0,019	1
267364	1,2	2:1	12,7	6,0	0,024	1
267366	1,2	2:1	19,0	9,0	0,043	1
267368	1,2	2:1	26,0	12,5	0,061	1
267372	1,2	2:1	1,6	0,8	0,006	1
267374	1,2	2:1	2,5	1,0	0,008	1
267376	1,2	2:1	3,5	1,5	0,009	1
267378	1,2	2:1	5,0	2,25	0,011	1
267380	1,2	2:1	6,5	3,0	0,014	1
267382	1,2	2:1	9,6	4,5	0,019	1
267384	1,2	2:1	12,7	6,0	0,024	1
267386	1,2	2:1	19,0	9,0	0,043	1
267388	1,2	2:1	26,0	12,5	0,061	1
267392	1,2	2:1	1,6	0,8	0,007	1
267394	1,2	2:1	2,5	1,0	0,008	1
267396	1,2	2:1	3,5	1,5	0,008	1
267398	1,2	2:1	5,0	2,25	0,011	1
267400	1,2	2:1	6,5	3,0	0,014	1
267402	1,2	2:1	9,6	4,5	0,020	1
267404	1,2	2:1	12,7	6,0	0,024	1
267406	1,2	2:1	19,0	9,0	0,041	1
267408	1,2	2:1	26,0	12,5	0,058	1

HUPshrink31DW double-walled 3:1

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 135° C, 1.2m packaged in a polybag, double-walled



Art. no.	m		Ø before	Ø after	kg	PU
267430	1,2	3:1	3,0	1,0	0,009	1
267432	1,2	3:1	6,0	2,0	0,013	1
267434	1,2	3:1	9,0	3,0	0,020	1
267436	1,2	3:1	12,0	4,0	0,025	1
267438	1,2	3:1	18,0	6,0	0,039	1
267440	1,2	3:1	25,0	8,0	0,060	1
267442	1,2	3:1	3,0	1,0	0,008	1
267444	1,2	3:1	6,0	2,0	0,013	1
267446	1,2	3:1	9,0	3,0	0,019	1
267448	1,2	3:1	12,0	4,0	0,024	1
267450	1,2	3:1	18,0	6,0	0,041	1
267452	1,2	3:1	25,0	8,0	0,064	1

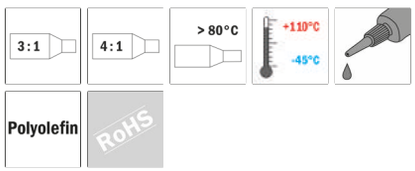
PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

HUPshrink31MW-A | HUPshrink41MW-A medium-walled 3:1, 4:1 with adhesive lining

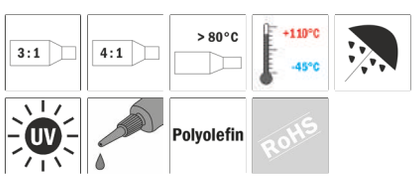
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C to 110° C, 1.2m packaged in a polybag, medium-walled, with adhesive lining



Art. no.	m		Ø before	Ø after	kg	PU
267102	1,2	**4:1**	8,0	2,0	0,050	1
267104	1,2	**4:1**	12,0	3,0	0,061	1
267106	1,2	**4:1**	22,0	6,0	0,118	1
267108	1,2	**4:1**	33,0	8,0	0,180	1
267118	1,2	**4:1**	95,0	25,0	0,510	1
267110	1,2	**3:1**	40,0	12,0	0,210	1
267112	1,2	**3:1**	55,0	16,0	0,300	1
267114	1,2	**3:1**	65,0	19,0	0,380	1
267116	1,2	**3:1**	75,0	22,0	0,395	1
267120	1,2	**3:1**	115,0	34,0	0,830	1

HUPshrink31DW-A | HUPshrink41DW-A double-walled 3:1, 4:1 with adhesive lining

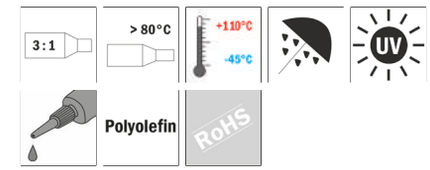
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C to 110° C, 1.2m packaged in a polybag, double-walled, with adhesive lining



Art. no.	m		Ø before	Ø after	kg	PU
267064	1,2	3:1	3,2	1,0	0,025	1
267066	1,2	3:1	4,8	1,6	0,035	1
267068	1,2	3:1	6,4	2,0	0,040	1
267070	1,2	3:1	9,5	3,0	0,050	1
267074	1,2	3:1	12,7	4,0	0,060	1
267078	1,2	3:1	19,1	6,0	0,080	1
267080	1,2	3:1	24,5	8,0	0,100	1
267084	1,2	3:1	38,1	13,0	0,170	1
267088	1,2	**4:1**	52,0	13,0	0,290	1

HUPshrink31DW-A double-walled 3:1 with adhesive lining Box

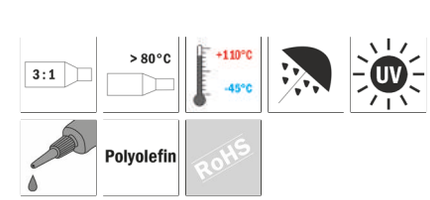
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C - 110° C, 5/10m roll in dispenser, double-walled, with adhesive lining



Art. no.	m		Ø before	Ø after	kg	PU
267090	10	3:1	3,0	1,0	0,060	1
267092	5	3:1	6,0	2,0	0,060	1
267094	5	3:1	9,0	3,0	0,060	1

HUPshrink31DW-A double-walled 3:1 with adhesive lining

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C - 110° C, 5m roll, double-walled, with adhesive lining



Art. no.	m		Ø before	Ø after	kg	PU
267096	5	3:1	12,0	4,0	0,060	1
267098	5	3:1	19,0	6,0	0,060	1
267100	5	3:1	24,0	8,0	0,060	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Heat shrinkable tubes with adhesive lining

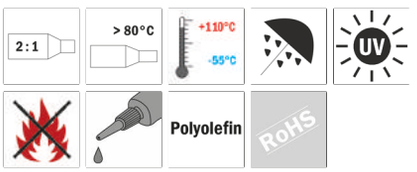
HUPshrink41DW-A double-walled 4:1 with adhesive lining

Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C to 110° C, 1.2m packaged in a polybag, double-walled, with adhesive lining

Art. no.	m		Ø before	Ø after	kg	PU
267460	1,2	4:1	4,0	1,0	0,013	1
267462	1,2	4:1	8,0	2,0	0,017	1
267464	1,2	4:1	12,0	3,0	0,030	1
267466	1,2	4:1	16,0	4,0	0,051	1
267468	1,2	4:1	24,0	6,0	0,103	1
267470	1,2	4:1	32,0	8,0	0,120	1
267472	1,2	4:1	52,0	13,0	0,183	1

Heat-shrinkable end caps

- Designed with a layer of spiral coated hot melt adhesive in the internal surface of the end cap.
- Provides highly resistant to moisture, fungus, and corrosion.
- Recommended for use both in open air and on underground power distribution cables with PVC, lead or XLPE sheaths.
- Shrinkable Ratio: 2:1.
- Electrical insulation to 1000V.
- Easy installation over the cable end.
- Abrasion resistance and mechanical protection.



Art. no.	Cable-Ø	KaL	WaSt	kg	PU
267500	4 - 10	15	2,6	0,003	100
267502	6 - 16	25	2,8	0,005	50
267506	18 - 32	40	3,3	0,018	25
267508	28 - 48	50	3,5	0,044	10
267510	45 - 68	55	4,0	0,064	10
267512	55 - 90	70	4,0	0,110	25
267514	65 - 110	70	4,0	0,143	20

Industrial hot air blower

Torch brazing set SolderingKit

12-pieces, for pocket lighter butane gas, with Piezo ignition, heating time: +/- 25 seconds (peak), performance can be infinitely regulated, temperatures with naked flame up to bis 1200 °C, brazing up to 550 °C, heat shrinking up to 680 °C, burn time approximately 60 minutes, in black plastic case.

Art. no.	Content	kg	PU
262098	12	0,670	1

Industrial hot air blower for heat shrinkable tubes

Electronic hot air blower with continuous temperature control and two blower levels, characterised by low weight and slim design. This makes it ideal for long and fatigue-free working and for use in difficult to access areas. The temperature control is continous, and the air volume can be set to two different levels. For heat shrinkable tubes.

Technical data:
Length/Ø (at shock protection): 325 mm / 85 mm
Voltage: 230 V / 50 Hz (special voltages possible)
Power: 2000 W
Temperature: 100° - 600° C continuous control
Air volume: min. 300 l/min. / max. 500 l/min.

Art. no.	kg	PU
262097	0,773	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Electrical insulating tape

haupa®
... convincing solutions

INFO

Electro insulating tape

Typical uses in electrical installations
Insulation, Sealing, Padding, Protection from corrosion, heat, electromagnetic faults, cable marking, etc

Benefits:
- VDE tested
- DIN EN 60454-3-1
- Easy to unroll
- Very good adhesive properties
- High flexibility
- Wrinkle free adhesion to uneven surfaces
- Tear-proof and resistant to aging
- Flame retardant
- Self-extinguishing
- Temperature resistant from -30°C to 105°C
- Water, weather and UV resistant
- With many uses
- For insulating, bundling, marking
- Available in 10 colours

Electrical insulating tape “HUPtape-15"

Material: PVC, in tested VDE quality, in accordance with DIN EN 60454-3-1, flame retardant, self-extinguishing. Temperature resistant from -30°C to 105°C, water, weather and UV resistant. Highly flexible with very good adhesive properties, versatile in its uses, tear-resistant and durable, for insulating, bundling and marking. Available in ten colours.

DIN EN 60454-3-1

Art. no.	widht/mm	length/m	strength		kg		PU
263800 ✷	15	10	0,15		0,035	120	10
263802 ✷	15	10	0,15		0,035	120	10
263804	15	10	0,15		0,035	120	10
263806	15	10	0,15		0,035	120	10
263808 ✷	15	10	0,15		0,035	120	10
263810 ✷	15	10	0,15		0,035	120	10
263812	15	10	0,15		0,035	120	10
263814	15	10	0,15		0,035	120	10
263816	15	10	0,15		0,035	120	10
263818 ✷	15	10	0,15		0,035	120	10

Art. no.	widht/mm	length/m	strength		kg		PU
263822	15	20	0,15		0,060	60	10
263824	15	20	0,15		0,060	60	10
263826	15	20	0,15		0,060	60	10
263828	15	20	0,15		0,060	60	10
263830	15	20	0,15		0,060	60	10
263832	15	20	0,15		0,060	60	10
263834	15	20	0,15		0,060	60	10
263836	15	20	0,15		0,060	60	10
263838	15	20	0,15		0,060	60	10
263840	15	20	0,15		0,060	60	10

Art. no.	widht/mm	length/m	strength		kg		PU
263842 ✷	19	20	0,15		0,076	48	8
263844 ✷	19	20	0,15		0,076	48	8
263846	19	20	0,15		0,076	48	8
263848	19	20	0,15		0,076	48	8
263850 ✷	19	20	0,15		0,076	48	8
263852 ✷	19	20	0,15		0,076	48	8
263854	19	20	0,15		0,076	48	8
263856	19	20	0,15		0,076	48	8
263858	19	20	0,15		0,076	48	8
263860 ✷	19	20	0,15		0,076	48	8

Art. no.	widht/mm	length/m	strength		kg		PU
263902	19	25	0,15		0,084	48	8
263904	19	25	0,15		0,084	48	8
263906	19	25	0,15		0,084	48	8
263908	19	25	0,15		0,084	48	8
263910	19	25	0,15		0,084	48	8
263912	19	25	0,15		0,084	48	8
263914	19	25	0,15		0,084	48	8
263916	19	25	0,15		0,084	48	8
263918	19	25	0,15		0,084	48	8
263920	19	25	0,15		0,084	48	8

Art. no.	widht/mm	length/m	strength		kg		PU
263862	25	20	0,15		0,100	36	6
263864	25	20	0,15		0,100	36	6
263866	25	20	0,15		0,100	36	6
263868	25	20	0,15		0,010	36	6
263870	25	20	0,15		0,100	36	6
263872	25	20	0,15		0,100	36	6
263874	25	20	0,15		0,100	36	6
263876	25	20	0,15		0,100	36	6
263878	25	20	0,15		0,100	36	6
263880	25	20	0,15		0,100	36	6

Art. no.	widht/mm	length/m	strength		kg		PU
263882	19	33	0,15		0,120	48	8
263884	19	33	0,15		0,120	48	6
263886	19	33	0,15		0,120	48	6
263888	19	33	0,15		0,120	48	6
263890	19	33	0,15		0,120	48	6
263892	19	33	0,15		0,120	48	6
263894	19	33	0,15		0,120	48	6
263896	19	33	0,15		0,120	48	6
263898	19	33	0,15		0,120	48	6
263900	19	33	0,15		0,120	48	6

Rainbow-Pack

- VDE tested
- DIN EN 60454-3-1
- Water, weather and UV resistant

DIN EN 60454-3-1

Art. no.	widht/mm	length/m	strength			PU
263820	15	10	0,15		10-pieces	1
263861	19	20	0,15		10-pieces	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

Electro insulating tape

Self-welding

Cold-resistant insulation tape “HUPtape-22plus“

PREMIUM

- Excellent wrapping properties
- Can be processed even at very low temperatures
- Extreme weather proof (UV resistant)
- Resistant to corrosion, acids and lyes
- Processing temperature: -18°C to + 60°C
- Individually packaged in plastic box

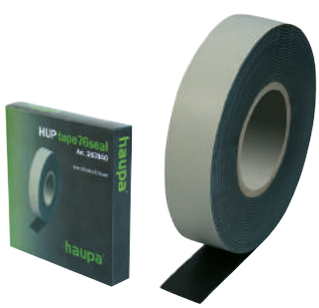
Art. no.	TL	widht/mm	strength	kg	PU
263930	20 m	19	0,215	0,105	1

Self-welding

Self-welding insulation tape “HUPtape76seal“

PREMIUM

- Forms homogenous welding wraps
- Excellent dielectric properties
- Weather proof (UV resistant)
- Insulation on medium voltage cables up to 69 kV
- Resistant to corrosion, acids and lyes
- Individual in box packaging



Art. no.	TL	widht/mm	strength	kg	PU
263940	9 m	19	0,76	0,203	1

Routine tests

Safety advice for working with live voltage

The basic requirements for working with live voltage are safety-insulated tools.
Legal regulations and the following safety advice should always be observed:

1. Transport your safety tools such that damage to the insulation is avoided.
2. Before use, make sure that the insulation is not damaged. Damaged tools must not be used.
3. Keep your safety tools clean and dry.
4. When working overhead or when using cutting pliers, protective glasses must be worn.
5. For your own safety, keep your work space clean and tidy when working with live voltage.
6. In enclosed, cramped spaces, protective clothing and equipment must be worn (e.g. safety gloves, covering drapes, protective hoods)
7. Only use suitable and tested tools. Make sure that loose and cut off parts do not fall onto live components.

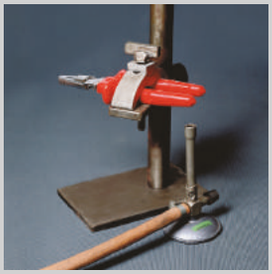
Routine tests in accordance with VDE Norm 1000 V IEC 60900:2012

Cold-heading test

In this test, the toughness of the PVC material is checked by dropping a weight onto the tools which have been cooled down to -25°C. The tools must not show any cracking or other damage after the test.

Testing the adhesive strength of the PVC coating

After pliers have been stored for 168 hours at +70°C, the adhesive power of the PVC coating is tested using a pulling force of 500 Nm. The insulation material must stay firmly attached to the basic tool.

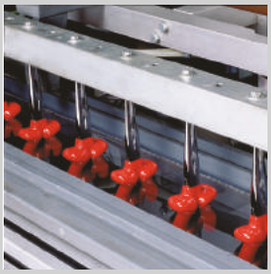


Flame resistance test

To exclude any fire risks, only flame-proof PVC material is used.

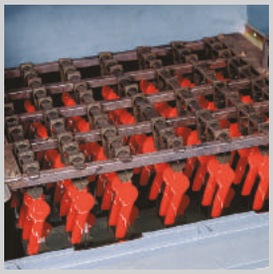
Pressure test

No puncture must occur, while testing the tool with a voltage of 5,000 V AC when also applying a pressure of 20 Nm at a temperature of +70°C to the tool.



Testing the insulating properties

After storing the tools under water for 24 hours, the tools are tested using 10,000 V AC for three minutes, while simultaneously measuring the discharge current. During this time, no puncture or sparkover must occur.



Voltage test

Each safety tool is individually voltage tested. This means that all tools which bear the relevant mark have been tested at 10,000 V AC and are approved for a voltage of 1,000 V, ensuring 10-fold safety.

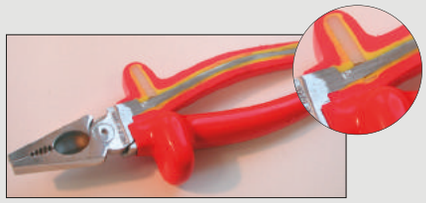
Screw profiles

- Slot
- Cross slot Phillips
- Cross slot Pozidriv
- Pozidriv/flat slot
- Tx
- Tx with safety pin
- Allen screw
- Hexagon head
- Ball point

Patent ratchet wrench

The HAUPA ratchet wrench has a number of patented advantages. it is characterised particularly ergonomic handling and high functional safety.
The excellent interlocking of the wrench insert, which must be able to withstand pull-out forces of up to 500 N is the main feature.

The ratchet can be operated with one hand due to a cross slide made from non-conducting material (polyamide). It is ergonomically designed such that it accessible with the thumb of the hand holding it. This cross slide, which is deep in the inside of the ratchet, also ensures that the testing voltage of 10 KV gema DIN 60900 can easily be achieved.



Safety of HAUPA products

All HAUPA products under the product area of "working with live voltage" have a 2-colour multi-layer insulation (wherever technically possible). This multi-layer insulation supports the current VBG4 regulations. This regulation requires that before use all tools are tested for any damage that can be seen externally. The 2-colourcoating – the second insulating layer contrast in yellow – ensures that any damages are visible immediately.

Safety tools

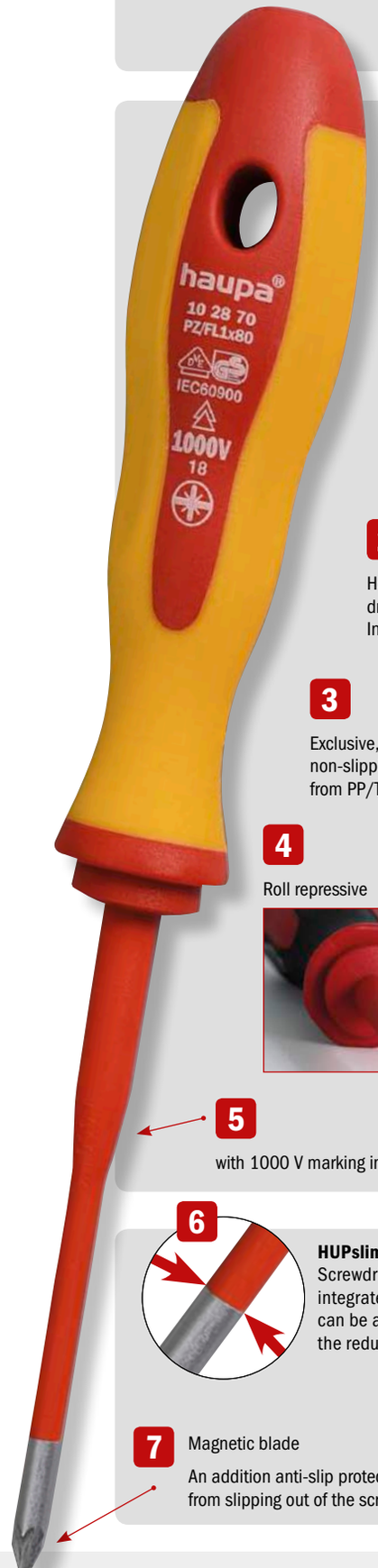
haupa®
... convincing solutions

INFO

Screwdriver range „HUPslim“ **Industrial quality**

Screwdriver range according to the new Norm IEC 60900.
All blades are made from a high-quality molybdenum-vanadium steel, are matte-chrome-plated and spayed with red polypropylene. This ergonomic moulded 2-component handles from PP/TPE material guarantees a high security with normal power transmission.
Every screwdriver is individually tested and marked according to the new Norm.

reduced



Injected blades profile on the top of the handle – for a fast access in the tool box, abrasion is not possible

2

Homogeneous sizes-adaptation of the screwdrivers haft for better power transmission. Increase of the soft area for stronger grip

3

Exclusive, ergonomic design, non-slipping 2-component handles from PP/TPE material

4

Roll repressive

5

with 1000 V marking injected

1000 V IEC 60900

6

HUPslim
Screwdriver with reduced blade diameter and integrated protective insulation. Deep screwing can be achieved to a better standard thanks to the reduced blade diameter.

reduced

7 Magnetic blade

An addition anti-slip protection on Phillips profiles prevents the tool from slipping out of the screw. *Silver tip protects from corrosion.*

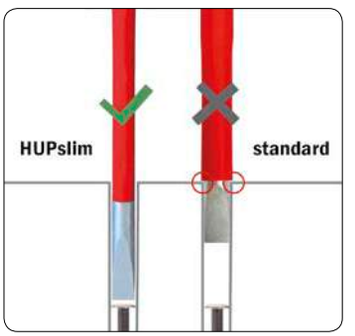
Screwdriver „HUPslim“ 1000 V with PZ slot profile

Specifications and advantages of the PZ/FL profile.
The PZ/FL profile can only be used for combination screws that were previously screwed with a slot or recessed head PZ type screwdriver. The screws have an inner PZ profile with an additional cross slot that also allows it to be screwed with a slot screwdriver.

PREMIUM

Area of application for PZ/FL profile
The screws are mainly used in electrical installation in automatic circuit breakers and safety switches

HUPslim
Screwdriver with reduced blade diameter and integrated protective insulation. Deep screwing can be achieved to a better standard thanks to the reduced blade diameter.



1000 V IEC 60900

reduced

Art. no.	size	BL	TL	form	kg	PU
102870	**1**	80	205	PZ/FL	0,062	1
102872	**2**	100	270	PZ/FL	0,096	1

Screwdriver set „HUPslim“ 1000 V with PZ slot profile

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

HUPslim
Screwdriver with reduced blade diameter and integrated protective insulation. Deep screwing can be achieved to a better standard thanks to the reduced blade diameter.

Contents:
- 102870
- 102872

PREMIUM

1000 V IEC 60900

reduced

Art. no.	size	form	set	kg	PU
102879	**1 + 2**	PZ/FL	**2-pieces**	0,195	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

VDE screwdrivers „HUPslim“ 1000 V

Electricians’ screwdrivers „HUPslim“ 1000 V Slot

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

HUPslim
Screwdriver with reduced blade diameter and integrated protective insulation. Deep screwing can be achieved to a better standard thanks to the reduced blade diameter.

Art. no.	CW	KSt	BL	TL	kg	PU
102914	**3,5**	**0,6**	100	185	0,034	1
102916	**4**	**0,8**	100	195	0,049	1
102918	**5,5**	**1,0**	125	230	0,070	1
102920	**6,5**	**1,2**	150	255	0,108	1

Electricians’ screwdrivers „HUPslim“ 1000 V Slot

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

HUPslim
Screwdriver with reduced blade diameter and integrated protective insulation. Deep screwing can be achieved to a better standard thanks to the reduced blade diameter.

Art. no.	CW	KSt	BL	TL	kg	PU
102917	**4**	**1,0**	100	195	0,049	1

Cross slotted screwdrivers „HUPslim“ 1000 V Phillips

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated, engraving on the blade ensures extra grip in the screw

HUPslim
Screwdriver with reduced blade diameter and integrated protective insulation. Deep screwing can be achieved to a better standard thanks to the reduced blade diameter.

Art. no.	size	BL	TL	form	kg	PU
102942	**1**	80	175	PH	0,061	1
102944	**2**	100	205	PH	0,095	1

Cross slotted screwdrivers „HUPslim“ 1000 V Pozidriv

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

HUPslim
Screwdriver with reduced blade diameter and integrated protective insulation. Deep screwing can be achieved to a better standard thanks to the reduced blade diameter.

Art. no.	size	BL	TL	form	kg	PU
102952	**1**	80	175	PZ	0,061	1
102954	**2**	100	205	PZ	0,095	1

Screwdrivers set „HUPslim“ 1000 V

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated, 6-pieces.

HUPslim
Screwdriver with reduced blade diameter and integrated protective insulation. Deep screwing can be achieved to a better standard thanks to the reduced blade diameter.

Contents:
1 HUPslim flat head screwdriver in 3.5 x 100 mm,
4 x 100 mm, 5.5 x 125 mm and 6.5 x 150 mm, HUPslim Phillips or Pozidriv screwdrivers in sizes 1 and 2

Art. no.	form	set	kg	PU
102999	Phillips	**6-pieces**	0,414	1
102999/PZ	Pozidriv	**6-pieces**	0,416	1

HUPslim
Screwdriver with reduced blade diameter and integrated protective insulation. Deep screwing can be achieved to a better standard thanks to the reduced blade diameter.

INFO

Screwdriver range **Industrial quality**

Screwdriver range according to the new Norm IEC 60900.
All blades are made from a high-quality molybdenum-vanadium steel, are matte-chrome-plated and spayed with red polypropylene.
This ergonomic moulded 2-component handles from PP/TPE material guarantees a high security with normal power transmission.
Every screwdriver is individually tested and marked according to the new Norm.

1000 V IEC 60900

Injected blades profile on the top of the handle – for a fast access in the tool box, abrasion is not possible

2

Homogeneous sizes-adaptation of the screwdrivers haft for better power transmission.
Increase of the soft area for stronger grip

3

Exclusive, ergonomic design, non-slipping 2-component handles from PP/TPE material

4

Roll repressive

5

with 1000 V marking injected

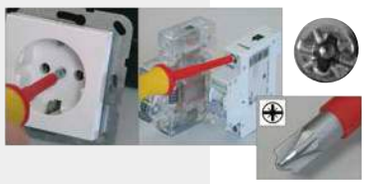
Magnetic blade

An addition anti-slip protection on Phillips profiles prevents the tool from slipping out of the screw.
Silver tip protects from corrosion.

Screwdriver 1000 V with PZ slot profile

Specifications and advantages of the PZ/FL profile.
The PZ/FL profile can only be used for combination screws that were previously screwed with a slot or recessed head PZ type screwdriver. The screws have an inner PZ profile with an additional cross slot that also allows it to be screwed with a slot screwdriver.

Area of application for PZ/FL profile
The screws are mainly used in electrical installation in automatic circuit breakers and safety switches



1000 V IEC 60900

Art. no.		size	BL	TL	form	kg	PU
101870	✸	**1**	80	205	PZ/FL	0,060	1
101872	✸	**2**	100	270	PZ/FL	0,094	1

Screwdriver set 1000 V with PZ slot profile

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

Contents:
- 101870
- 101872

1000 V IEC 60900

Art. no.	size	form	set	kg	PU
101879	**1 + 2**	PZ/FL	**2-pieces**	0,200	1

Electricians' screwdrivers 1000 V Slot

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

1000 V IEC 60900

Art. 101917

Art. no.		CW	KSt	BL	TL	kg	PU
101910	✸	**2,5**	0,4	75	155	0,027	1
101912	✸	**3**	0,5	100	185	0,029	1
101914	✸	**3,5**	0,6	100	185	0,035	1
101916	✸	**4**	0,8	100	195	0,052	1
101917	✸	**4**	1,0	100	195	0,054	1
101918		**5,5**	1,0	125	230	0,070	1
101920		**6,5**	1,2	150	255	0,108	1
101922		**8**	1,2	175	295	0,177	1
101924		**10**	1,6	200	320	0,245	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

VDE screwdrivers 1000 V

Cross slotted screwdrivers 1000 V Phillips

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated, engraving on the blade ensures extra grip in the screw

1000 V IEC 60900

Art. no.	size	BL	TL	form	kg	PU
101940	**0**	60	145	PH	0,034	1
101942 ✸	**1**	80	175	PH	0,061	1
101944 ✸	**2**	100	205	PH	0,100	1
101946	**3**	150	270	PH	0,165	1

Cross slotted screwdrivers 1000 V Pozidriv

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

1000 V IEC 60900

Art. no.	size	BL	TL	form	kg	PU
101950	**0**	60	135	PZ	0,033	1
101952 ✸	**1**	80	175	PZ	0,061	1
101954 ✸	**2**	100	205	PZ	0,095	1
101956	**3**	150	270	PZ	0,166	1

Screwdrivers 1000 V Tx

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

1000 V IEC 60900

Art. no.	size	BL	TL	form	kg	PU
101850	**8**	100	185	TX	0,053	1
101852	**9**	100	185	TX	0,051	1
101854	**10**	100	195	TX	0,053	1
101856 ✸	**15**	100	195	TX	0,053	1
101858 ✸	**20**	100	195	TX	0,052	1
101860	**25**	125	220	TX	0,070	1
101862	**27**	125	230	TX	0,072	1
101864	**30**	150	255	TX	0,109	1
101866	**40**	175	295	TX	0,178	1

Screwdrivers 1000 V Square

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

1000 V IEC 60900

Art. no.	size	BL	TL	form	kg	PU
102550	**0**	60	145	SQ	0,034	1
102552	**1**	80	175	SQ	0,061	1
102554	**2**	100	205	SQ	0,095	1
102556	**3**	150	270	SQ	0,166	1

Screwdrivers set 1000 V

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated, 6-pieces.

Contents:
VDE Electricians' screwdriver 2,5 x 75 mm, 4 x 100 mm, 5,5 x 125 mm, 6,5 x 150 mm, VDE cross slotted screwdrivers Phillips or Pozidriv size 1 and 2

1000 V IEC 60900

Art. no.	form	set	kg	PU
101999 ✸	Phillips	**6-pieces**	0,414	1
101999/PZ	Pozidriv	**6-pieces**	0,416	1

VDE socket wrenches 1000 V

Socket wrenches DIN 7445

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated

1000 V IEC 60900

Art. no.	WS	BL	TL	kg	PU
102520	**4**	125	220	0,105	1
102522	**5**	125	220	0,109	1
102524	**5,5**	125	220	0,116	1
102526	**6**	125	220	0,111	1
102528	**7**	125	230	0,116	1
102530	**8**	125	230	0,119	1
102532	**9**	125	230	0,122	1
102534	**10**	125	230	0,125	1
102536	**11**	125	245	0,167	1
102538	**12**	125	245	0,165	1
102540	**13**	125	245	0,175	1

Socket wrenches set DIN 7445

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated.

Contents: 1 piece each 5 - 5,5 - 7 - 8 - 10 - 11 - 13 mm

1000 V IEC 60900

Art. no.	set	kg	PU
102512	**7-pieces**	1,065	1

„Vario“ 1000 V replaceable blade system

in robust nylon bag, **Contents:** 2C exchangeable handle, screw cap, replaceable blade - slotted blade 0.4 x 2.5 / 0.5 x 3.0 / 0.8 x 4.0 / PH1 / PH2 or PZ1 / PZ2, PZ/FL 2, switch cabinet key – square 1, double-bit

Further characteristic feature include:
- High level of safety
- Exchangeable cap for use as an electronics screwdriver
- Switching cabinet key is integrated into the system
- Space-saving
- Weight-saving
- Cost-effective price/performance ratio
- Meets all relevant standards

1000 V IEC 60900

Video 102000

Art. no.	form	shank	set	kg	PU
102000	✸ **Phillips**	hexagonal	**10 pieces**	0,340	1
102000/PZ	✸ **Pozidriv**	hexagonal	**10 pieces**	0,334	1

„Vario“ nylon bag – empty

Robust nylon bag (with belt loop) wide hook and eye fastening and loop for hanging up

Art. no.		width	height	kg	PU
102042	**empty**	215	290	0,088	1

Exchangeable „Vario“ handle

automatic locking mechanism ensures that blades do not fall out unexpectedly, ergonomically formed 2 component book of PP/TPE material

1000 V IEC 60900

Art. no.	TL	shank	kg	PU
102040	120	**hexagonal**	0,058	1

„Vario“ screw cap

Additional screw cap when using as precision tool (electronics)

Art. no.	TL	kg	PU
102044	10	0,002	1

„Vario“ 1000 V replaceable blade

Insulated replaceable blade made from molybdenum vanadium steel, hardened, blasted, with hexagonal shaft, greater torque transmission than a pure pozidrive or slotted blade

1000 V IEC 60900

„Vario“ replaceable blade – pozidrive blade/slotted

Art. no.	form	size	BL	TL	kg	PU
102010	**PZ/FL**	1	85	165	0,035	1
102012	**PZ/FL**	2	85	165	0,045	1

1000 V IEC 60900

„Vario“ replaceable blade – slotted blade

Art. no.	form	CW	KSt	BL	TL	kg	PU
102014	**SL**	2,5	0,4	85	165	0,013	1
102016	**SL**	3,0	0,5	85	165	0,015	1
102017	**SL**	3,5	0,6	85	165	0,080	1
102018	**SL**	4,0	0,8	85	165	0,022	1
102020	**SL**	5,5	1,0	85	165	0,034	1
102022	**SL**	6,5	1,2	85	165	0,045	1

1000 V IEC 60900

„Vario“ replaceable blade – Phillips blade

Art. no.	form	size	BL	TL	kg	PU
102001	**PH**	0	85	165	0,023	1
102002	**PH**	1	85	165	0,035	1
102004	**PH**	2	85	165	0,044	1

1000 V IEC 60900

„Vario“ replaceable blade – pozidrive blade

Art. no.	form	size	BL	TL	kg	PU
102005	**PZ**	0	85	165	0,023	1
102006	**PZ**	1	85	165	0,035	1
102008	**PZ**	2	85	165	0,045	1

1000 V IEC 60900

„Vario“ replaceable blade – torx blade

Art. no.	form	size	BL	TL	kg	PU
102060	**S-TX**	8	85	165	0,016	1
102062	**S-TX**	9	85	165	0,016	1
102064	**S-TX**	10	85	165	0,016	1
102066	**S-TX**	15	85	165	0,021	1
102068	**S-TX**	20	85	165	0,021	1
102070	**S-TX**	25	85	165	0,034	1
102072	**S-TX**	30	85	165	0,041	1

1000 V IEC 60900

„Vario“ switch cabinet key – Square

Art. no.	size	TL	kg	PU
102030	6	47	0,010	1
102032	8	47	0,009	1

1000 V IEC 60900

„Vario“ switch cabinet key – Triangular

Art. no.	size	TL	kg	PU
102034	9	47	0,009	1

1000 V IEC 60900

„Vario“ switch cabinet key – Double-bit

Art. no.	size	TL	kg	PU
102036	5,3	47	0,009	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

„Vario“ 1000 V replaceable blade system

„VarioPro“ 1000 V replaceable blade system

The „VarioPro“ replaceable blade system with insulated replaceable blades, switching cabinet key is integrated into the system, VDE pliers set and voltage tester.

Contents:
- Slot: 0.4 x 2.5 x 100, 0.5 x 3.0 x 100, 0.6 x 3.5 x 100, 0.8 x 4.0 x 100, 1.0 x 5.5 x 100, 1.2 x 6.5 x 100
- Phillips: 0 x 100, 1 x 100, 2 x 100
- Pozidriv: 0 x 100, 1 x 100, 2 x 100
- PZ/FL 1, PZ/FL 2
- Tx: 8 x 100, 9 x 100, 10 x 100, 15 x 100, 20 x 100, 25 x 100, 30 x 100
- Square: 8 x 47
- Double-bit: 5,3 x 47
- Screw cap, additional screw cap when using as precision tool (electronics)
- 2-component exchangeable handle: 120 mm
- Voltage testers VDE/GS: 100700, 125-250 V
- VDE 2C pliers: 211200*, 211204*, 211208*, 211214

*__High leverage__ (high leverage pliers offer power saving of up to 50%)

1000 V IEC 60900

Placeholders for torque handle

Art. no.	set	width	height	depth	kg	PU
102052	**30-pieces**	410	310	85	3,200	1

Tool case „ElectroCombo“

black plastic case with metal catch, complete tool set for electricians and network technicians, case: 490 x 375 x 100 mm

Contents:
- 2C-VDE combination pliers, 180 mm*
- 2C-VDE side cutters, 160 mm*
- 2C-VDE wire stripping pliers, 160 mm
- 2C-VDE long chain nose pliers, straight, 200 mm*
- Cable cutter 160 mm, coating-insulated
- Crimping pliers for end sleeves 0,5 - 16 mm²
- Set ball point allen keys 9-pcs., extra long
- 2C exchangeable „Vario“ handle
- „Vario“ replaceable blade – slotted blade 2.5, 3, 4, 5.5 mm
- „Vario“ replaceable blade – Phillips blade 1, 2
- „Vario“ replaceable blade – pozidrive blade 1, 2
- „Vario“ replaceable blade – pozidrive blade/slotted 1 + 2
- Voltage tester „Basic“, black
- Spanners for switch-cabinets „HUPkey“
- Utility knives
- Junior hacksaw 150 mm
- Electricians’ chisels 10 x 250 mm
- Cabinet levels 230 mm
- Measuring tape, 5 m
- Reversible ratchet 1/4"
- Engineers’ hammer, 300 g
- Extension 1/4" 100 mm
- Sockets 1/4" WS: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
- Ratchet screwdriver „FlexPlus“ for long bits
- 1/4" Bits 50mm HEX 2, 2.5, 3, 4, 5, 6
- 1/4" Bits 50mm PH 0, 1, 2, 3
- 1/4" Bits 50mm PZ 0, 1, 2, 3
- 1/4" Bist 50mm FD 3, 4, 5, 6
- 1/4" Bits 50mm TX 10, 15, 20, 25, 30, 40
- 1/4" Bits 50mm PZ/FL 1 + 2
- 1/4" SQ x 1/4" HEX adapter 50 mm
- Assortment box 160 x 115 x 40 mm

*__High leverage__ (high leverage pliers offer power saving of up to 50%)

Art. no.		set	width	height	depth	kg	PU
104090	✸	**78-pieces**	490	375	100	6,000	1

INFO

Dynamometric screwdriver with replaceable blades

The new HAUPA 1000 V VarioTQ dynamometric screwdriver is characterised by its precision and functionality.

The ergonomic handles can be adjusted individually.
1. 1.0 - 6.0 Nm
2. 0.5 - 3.5 Nm

HAUPA offers all relevant blade tip profiles as individual items and in set form in a high-quality nylon case.

- torque can be set using a separate key
- scale value can easily be read off
- clearly perceptible and audible signal when the set torque is achieved
- torque accuracy according to EN ISO 6789:2013-10

VarioTQ 1000V

with hexagonal shaft

1000 V IEC 60900

insulated replaceable blade made from molybdenum vanadium steel, hardened, blasted

Precisely adjustable torque

Two handle versions, also available individually:

Art. no. 102790
1.0 - 6.0 Nm

Art. no. 102792
0.5 - 3.5 Nm

„VarioTQ“ 1000 V dynamometric screwdriver with replaceable blades - Phillips / Pozidriv

VarioTQ 1000V

insulated replaceable blade made from molybdenum vanadium steel, hardened, blasted, with hexagonal shaft, in robust nylon bag (with belt loop and hook and loop closure)

Contents:
- 2-component exchangeable handle (1000 V) 1 - 6 Nm or 0,5 - 3,5 Nm
- slotted 0,4 x 2,5 / 0,5 x 3,0 / 0,8 x 4,0 / 1,0 x 5,5 / 1,2 x 6,5
- PH0 / PH1 / PH2 or PZ0 / PZ1 / PZ2
- PZ/FL 1
- PZ/FL 2
- Square socket key

PREMIUM

1000 V IEC 60900

Video 102700

TQ PH
TQ PZ

Art. no.	form	Nm	set	kg	PU
102700	PH	**1 - 6**	12 pieces	0,700	1
102701	PH	**0,5 - 3,5**	12 pieces	0,700	1
102700/PZ	PZ	**1 - 6**	12 pieces	0,700	1
102701/PZ	PZ	**0,5 - 3,5**	12 pieces	0,700	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

„VarioTQ“ 1000 V replaceable blade system

„VarioTQ“ 1000 V dynamometric screwdriver with replaceable blades - Tx / Hex

insulated replaceable blade made from molybdenum vanadium steel, hardened, blasted, with hexagonal shaft, in robust nylon bag (with belt loop and hook and loop closure)

Contents:
- 2-component exchangeable handle (1000 V) 1 - 6 Nm or 0,5 - 3,5 Nm
- TX 8 - 9 - 10 - 15 - 20 - 25 - 30
  or TX 8 - 9 - 10 - 15 - 20, HEX 4 - 5
- PZ/FL 1
- PZ/FL 2
- Square socket key

1000 V IEC 60900

Art. no.	form	Nm	set	kg	PU
102702	TX	**1 - 6**	11-pieces	0,700	1
102703	TX	**0,5 - 3,5**	11-pieces	0,700	1
102706	TX+HEX	**1 - 6**	11-pieces	0,760	1
102707	TX+HEX	**0,5 - 3,5**	11-pieces	0,760	1

„VarioTQ“ 1000 V dynamometric screwdriver with replaceable blades - Hex

insulated replaceable blade made from molybdenum vanadium steel, hardened, blasted, with hexagonal shaft, in robust nylon bag (with belt loop and hook and loop closure)

Contents:
- 2-component exchangeable handle (1000 V) 1 - 6 Nm or 0,5 - 3,5 Nm
- HEX 2 - 3 - 3,5 - 4 - 4,5 - 5 - 5,5 mm
- PZ/FL 1
- PZ/FL 2
- Square socket key

1000 V IEC 60900

Art. no.	form	Nm	set	kg	PU
102704	HEX	**1 - 6**	11-pieces	0,700	1
102705	HEX	**0,5 - 3,5**	11-pieces	0,700	1

Torque screwdriver for a proper screw connection

- The use of tightening torques is a prerequisite for manufacturer-compliant fastening with type-tested switchgear.
- Screws are tightened neither too much, nor too little. Thus an increased transfer resistance and the emergence of glowing contacts are prevented.
- **NO FIRE HAZARD**

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

„VarioTQ“ 1000 V replaceable blade system

„VarioTQ“ 1000 V nylon bag – empty

Robust nylon bag (with belt loop) wide hook and eye fastening and loop for hanging up

Art. no.		kg	PU
102785	**empty**	0,115	1

Exchangeable „VarioTQ“ 1000 V handle

automatic locking mechanism ensures that blades do not fall out unexpectedly, ergonomically formed 2 component book of PP/TPE material, precisely adjustable torque

1000 V IEC 60900

TQ

Art. no.	TL	Nm	kg	PU
102790	122	**1 - 6**	0,185	1
102792	122	**0,5 - 3,5**	0,185	1

Square socket key

for adjustment of the torque for VarioTQ replacement blades

Art. no.	form	BL	KlBr	kg	PU
102784	SQ	40	8	0,056	1

Exchangeable „Vario“ handle

automatic locking mechanism ensures that blades do not fall out unexpectedly, ergonomically formed 2 component book of PP/TPE material

1000 V IEC 60900

Art. no.	TL	shank	kg	PU
102040	120	**hexagonal**	0,058	1

„VarioTQ“ 1000 V replaceable blade

Insulated replaceable blade made from molybdenum vanadium steel, hardened, blasted, individually tested with hexagonal shaft

1000 V IEC 60900

„VarioTQ“ 1000 V replaceable blade – pozidrive blade/slotted

Art. no.	form	size	BL	TL	kg	PU
102780	**PZ/FL**	1	195	195	0,040	1
102782	**PZ/FL**	2	195	195	0,040	1

1000 V IEC 60900

„VarioTQ“ 1000 V replaceable blade – slotted blade

Art. no.	form	CW	KSt	BL	TL	kg	PU
102710	**SL**	2,5	0,4	195	195	0,040	1
102712	**SL**	3,0	0,5	195	195	0,040	1
102714	**SL**	4,0	0,8	195	195	0,040	1
102716	**SL**	5,5	1,0	195	195	0,040	1
102718	**SL**	6,5	1,2	195	195	0,040	1

1000 V IEC 60900

„VarioTQ“ 1000 V replaceable blade – Phillips blade

Art. no.	form	size	BL	TL	kg	PU
102720	**PH**	0	195	195	0,040	1
102722	**PH**	1	195	195	0,040	1
102724	**PH**	2	195	195	0,040	1
102726	**PH**	3	195	195	0,040	1

1000 V IEC 60900

„VarioTQ“ 1000 V replaceable blade – pozidrive blade

Art. no.	form	size	BL	TL	kg	PU
102730	**PZ**	0	195	195	0,040	1
102732	**PZ**	1	195	195	0,040	1
102734	**PZ**	2	195	195	0,040	1
102736	**PZ**	3	195	195	0,040	1

1000 V IEC 60900

„VarioTQ“ 1000 V replaceable blade – torx blade

Art. no.	form	size	BL	TL	kg	PU
102740	**TX**	8	195	195	0,040	1
102742	**TX**	9	195	195	0,040	1
102744	**TX**	10	195	195	0,040	1
102746	**TX**	15	195	195	0,040	1
102748	**TX**	20	195	195	0,040	1
102750	**TX**	25	195	195	0,040	1
102752	**TX**	30	195	195	0,040	1

1000 V IEC 60900

„VarioTQ“ 1000 V replaceable blade – hex blade

Art. no.	form	size	BL	TL	kg	PU
102760	**HEX**	2	195	195	0,040	1
102762	**HEX**	3	195	195	0,040	1
102764	**HEX**	3,5	195	195	0,040	1
102766	**HEX**	4	195	195	0,040	1
102768	**HEX**	4,5	195	195	0,040	1
102770	**HEX**	5	195	195	0,040	1
102772	**HEX**	5,5	195	195	0,040	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

INFO

2 component pliers **Industrial quality**

HAUPA divides the VDE pliers assortment into three groups.

1. 2C VDE pliers with plug-on handles
2. VDE pliers, coating-insulated, treated with a 2-coloured coatingisolation (outside red/inside yellow)
3. VDE pliers with a 2-coloured coating-isolation (outside red/inside yellow), working head insulated

These pliers fulfil the VDE standard IEC 60900.

High leverage | perfected cutting force performance

High leverage pliers offer power saving of up to 50%.

Combination pliers DIN ISO 5746 VDE

german pattern, comfort grip, alloyed carbon steel, C 45, oil-hardened, cutting edges induction hardened, for soft and hard wire, chrome plated, sheathed handles, **leveraged, perfected cutting force performance.**

Art. no.		TL		kg	PU
211198		160	IEC 60900	0,000	1
211200	✷	180	VDE	0,287	1
211202		200	VDE	0,364	1

Side cutters DIN ISO 5749 VDE

swedish pattern, high alloyed carbon steel, oil-hardened, C 60, cutting edges induction hardened, for soft and hard wire, chrome plated, sheathed handles, **leveraged, perfected cutting force performance.**

Art. no.		TL		kg	PU
211199		140	IEC 60900	0,000	1
211204	✷	160	VDE	0,237	1
211206		180	VDE	0,296	1

Side cutting pliers with stripping function 1000 V

Swedish design, power class H, C 60, oil-hardened, induction hardened blades, for hard and soft wire, chrome plated, push-on grips. Aside from their traditional advantages, these side cutting pliers also possess an additional wire stripping function. (art. 211207, **leveraged, perfected cutting force performance.**)

Art. no.		TL		kg	PU
211203		160	IEC 60900	0,296	1
211207		180	IEC 60900	0,296	1

Wire stripping pliers VDE

C 45, oil-hardened, with spring and adjustment screw, for cable of 0,2 - 6 mm Ø, chrome plated, sheathed handles

Art. no.		TL		kg	PU
211214	✷	160	VDE	0,202	1

Heavy duty side cutters DIN ISO 5745 VDE

C 60, cutting edges induction hardened, chrome plated, sheathed handles, **leveraged, perfected cutting force performance.**

Art. no.		TL		kg	PU
211211		160	IEC 60900	0,000	1
211217	✷	170	VDE	0,268	1

Heavy duty side cutters DIN ISO 5749 VDE

C 60, cutting edges induction hardened, chrome plated, sheathed handles, **leveraged, perfected cutting force performance.**

Art. no.		TL		kg	PU
211219	✷	200	VDE	0,322	1

Long chain nose pliers DIN ISO 5745 VDE

with side cutter, straight, C 45, oil-hardened, cutting edges induction hardened, for soft and hard wire, chrome plated, sheathed handles, **leveraged, perfected cutting force performance.**

Art. no.		TL			kg	PU
211213		160	-	IEC 60900	0,000	1
211208	✷	200	-	VDE	0,255	1

Long chain nose pliers DIN ISO 5745 VDE, 45°

with side cutter, 45° angled nose, C 45, oil-hardened, cutting edges induction hardened, for soft and hard wire, chrome plated, sheathed handles, **leveraged, perfected cutting force performance.**

Art. no.		TL			kg	PU
211209		160	45°	IEC 60900	0,000	1
211210		200	45°	VDE	0,260	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

VDE pliers, sheathed handles 1000 V

Short flat nose pliers DIN ISO 5745 VDE

C 45, oil-hardened, chrome plated, short body, sheathed handles

Art. no.	TL		kg	PU
211212	160	VDE	0,168	1

Short round nose pliers DIN ISO 5745 VDE

C 45, alloyed carbon steel, oil-hardened, chrome plated, sheathed handles

Art. no.	TL		kg	PU
211216	160	VDE	0,161	1

Water pump pliers DIN ISO 8976 VDE

self-clamping water pump plier with head adjustment, non-slip, chrome plated, sheathed handles

Art. no.	TL		kg	PU
211221	240	VDE	0,392	1

Cable cutters VDE

- For cutting Cu/Al cables, fine and multi-wiring
- Chrome vanadium steel, plug-on handles
- Insulating function in upper head area
- Cable measuring function thanks to the 180 degree crossover of the legs
- Not for solid conductors

Art. 211225 (Art. 211223)
- Data, telephone and control cable, maximum Ø 10 mm (Ø 12 mm)
- Cu single wire, maximum 16 mm² (16 mm²)
- Cu fine wire, maximum 16 mm² (35 mm²)
- Cu multi-wire, maximum 16 mm² (25 mm²)
- Al single wire, maximum 16 mm² (25 mm²)
- Al multi-wire, maximum Ø 10 mm = 16 mm² (25 mm²)

Art. no.		TL	Ø	mm²		kg	PU
211225	✸	160	10	16	VDE	0,215	1
211223		200	12	35	VDE	0,352	1

Cable cutters VDE with spring joint

- For cutting Cu/Al cables, fine and multi-wiring
- Not suitable for steel wire and wire rope
- Chrome vanadium steel
- Self-opening joint spring
- Enormous cutting power with reduced force expenditure
- Not for solid conductors

Art. no.		TL	Ø	mm²		kg	PU
211226		170	10	25	VDE	0,268	1
211228	✸	230	15	70	VDE	0,457	1

Pliers set 1000 V, sheathed handles

with VDE-safety-isolation, best quality, pliers chrome plated, 4-pieces.

Contents:
- Combination pliers 180 mm
- Side cutter 160 mm
- Long chain nose pliers 200 mm
- Wire stripping pliers 160 mm

Art. no.		set		kg	PU
220123	✸	**4-pieces**	VDE	1,063	1

Fully insulating 1000 V PVC flat nose pliers

all of plastic, specially for mounting and blocking of electricmeters

Art. no.	TL	kg	PU
120051	190	0,109	1

Flat nose pliers 1000 V

all of plastic, specially for mounting and blocking of electricmeters

Art. no.	TL	kg	PU
120052	160	0,084	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

VDE-pliers, 2-coloured coating-insulation 1000 V

Combination pliers DIN ISO 5746 VDE

alloyed carbon steel, C 45, oil-hardened, cutting edges induction hardened, for soft and hard wire, german pattern, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210056	180	0,300	1
210058	200	0,418	1

Side cutters DIN ISO 5749 VDE

swedish pattern,high alloyed carbon steel, oil-hardened, C 60, cutting edges induction hardened, for soft and hard wire, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210100	160	0,253	1
210102	180	0,303	1

Side cutters DIN ISO 5749 VDE

swedish pattern, high alloyed carbon steel, oil-hardened, C 60, cutting edges induction hardened, for soft and hard wire, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210110	240	0,489	1
210117	180	0,274	1
210119	200	0,368	1

Front cutters 1000 V

alloyed carbon steel, cutting edges induction hardened, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210303	160	0,328	1

Long chain nose pliers DIN ISO 5745 VDE

alloyed carbon steel, C 45, oil-hardened, cutting edges induction hardened, for any wire, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL		kg	PU
210388	200	straight	0,270	1

Long chain nose pliers DIN ISO 5745 VDE, 45°

alloyed carbon steel, C 45, oil-hardened, cutting edges induction hardened, for any wire, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL		kg	PU
210390	200	45° angled nose	0,256	1

Short round nose pliers DIN ISO 5745 VDE

C 45, alloyed carbon steel, oil-hardened, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210296	160	0,180	1

Short flat nose pliers DIN ISO 5745 VDE

C 45, alloyed carbon steel, oil-hardened, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210270	160	0,187	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

VDE-pliers, 2-coloured coating-insulation 1000 V

Wire stripping pliers VDE

C 45, oil-hardened, with spring and adjustment screw, for cable of 0,2 - 6 mm Ø, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210648	160	0,232	1

Water pump pliers DIN ISO 8976 1000 V

heavy pattern, made of chrome vanadium steel, with roll, chrome plated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210588	260	0,590	1

Water pump pliers DIN ISO 8976 1000 V

chrome vanadium, 31 Cr V3, box-joint, burner hole, teeth induction hardened, finger protection, oil-hardened, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210583	240	0,423	1

Cable cutters 1000 V with spring joint

- For cutting Cu/Al cables, fine and multi-wiring
- Not suitable for steel wire and wire rope
- Chrome vanadium steel
- Self-opening joint spring
- Enormous cutting power with reduced force expenditure
- Not for solid conductors

1000 V IEC 60900

Ø 10 | Ø 15 | Cu AL

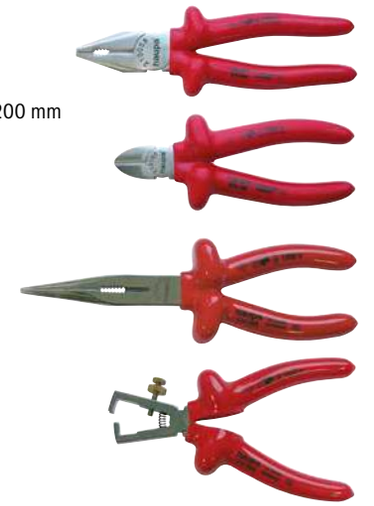
Art. no.	TL	Ø	mm²	kg	PU
200086/VDE	205	10	25	0,274	1
200088/VDE	230	15	70	0,479	1

Pliers set 1000 V, 2-coloured coating-insulation

C 45, oil-hardened, 2-coloured coating-insulation - inside yellow/ outside red. Pliers chrome plated, 4-pieces.

Contents:
- Combination pliers 180 mm
- Diagonal cutters 160 mm
- Long chain nose pliers, straight 200 mm
- Wire stripping pliers 160 mm

1000 V IEC 60900



Art. no.	set	kg	PU
220126	**4-pieces**	1,000	1

Tool case „Real“ 1000 V

made of plastic, complete with 20 security tools.
Dimension: 450 x 340 x 100 mm.

Contents:
- 2C-VDE electrician‘s screwdrivers 2,5 x 75, 4 x 100, 6,5 x 150, 8 x 175
- 2C-VDE cross slotted screwdrivers PH, size 0, 1, 2
- 2C-VDE socket wrenches 5, 8, 10, 13 mm
- VDE combination pliers 200 mm
- VDE side cutters 180 mm
- VDE telephone pliers, straight 200 mm
- VDE wire stripping pliers 160 mm
- VDE flat nose pliers 160 mm
- VDE round nose pliers 160 mm
- Cable knife
- Cable stripping knife
- 2-pole voltage teste

1000 V IEC 60900

Art. no.	set	kg	PU
220148	**20-pieces**	4,300	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

VDE pliers, coating-insulated 1000 V, head insulated

Combination pliers DIN ISO 5746 1000 V

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210263	180	0,306	1
210264	200	0,372	1

Side cutters DIN ISO 5749 1000 V

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210301	160	0,270	1
210302	180	0,309	1

Long chain nose pliers DIN ISO 5745 1000 V

straight, working head insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL		kg	PU
210266	160	straight	0,182	1
210267	200	straight	0,236	1

Long chain nose pliers DIN ISO 5745 1000 V, 45°

angled nose, working head insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL		kg	PU
210297	200	45° angled nose	0,228	1

Plan grip pliers 1000 V

working head insulated, made of special alloy steel, long, flat, plain griping jaws, round edges, 2-coloured coating-insulation - inside yellow/outside redyellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210298	200	0,215	1

Short flat nose pliers DIN ISO 5745 1000 V

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210299	160	0,216	1

Long chain nose pliers DIN ISO 5745 1000 V

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210300	160	0,191	1

Wire stripping pliers 1000 V

working head insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	kg	PU
210265	160	0,180	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Cable cutters, stripping pliers 1000 V

Cable cutter 1000 V

Grave version of vanadium steel, annealed, opening 15 mm, 2-coloured coatinginsulation - inside yellow/outside red

1000 V IEC 60900

Ø 15 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200127	160	15	50	0,289	1

Cable cutter 1000 V

Long version, slight strain, one and two hand handling, proper cutting due to precise grind, forged of special carbon-steel, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Ø 15 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200129	240	15	50	0,484	1

Cable cutter with a snap 1000 V

Laser-cut components made of special carbon steel, oil-hardened, for optimal precision, CNC-ground cutting type, inductively hardened for maximum cutting performance, Screwed joint connections, re-adjustable for longer durability as well as, 2-coloured coating-insulation - inside yellow/outside red, for cables to 16,9 mm Ø (70 mm²)

1000 V IEC 60900

Ø 16,9 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
201002/VDE	180	16,9	70	0,247	1

Allround soft-grip scissors VDE

The new allround Soft - Grip scissors with its relatively short blades and special handles are designed to fulfil the needs of the professional electrical installers. The impressive cutting performance and the tough construction make this new scissors a special tool.

- ergonomic design (2 component)
- slipping free handle - Soft - Grip
- high cutting performance by low cutting force
- precision toothing
- cable stripping device
- stainless

1000 V IEC 60900

Ø 16,9 | Cu AL

Art. no.	TL	mm²	kg	PU
200201	160	**70**	0,083	1

Cable cutter 1000 V

of carbon-steel, maximum cutting capacity due to special cutting-geometry, with VDE insulation, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Ø 20 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200120	215	20	70	0,403	1

Double edged cable cutter 1000 V

slight strain due to optimal lever-transmission, edges with precise grind for easy and proper cutting by one hand handling, opening 20 mm, forged of special carbon-steel, for copper and alu-cable, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Ø 20 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200128	200	20	50	0,382	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

VDE ratchet cable cutter with cover 1000 V

One-hand cable cutter with ratchet, optimal lever-transmission, encapsulated head, for copper and alu-cable, opening 25 mm, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Ø 34 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200109	290	34	240	1,308	1

Cable cutter 1000 V

- For cutting Cu/Al cables, fine and multi-wiring
- Not suitable for steel wire and wire rope
- Low force required thanks to best blade geometry and translation ratios
- Vanadium electro-steel, forged, oil-hardened
- Aluminium legs
- Hardened blades with precision grinding
- Adjustable screw joint

1000 V IEC 60900

Ø 27 | Cu AL | MAX

Art. no.	TL	Ø	mm²	kg	PU
200123	500	27	150	1,389	1

Ratchet cable cutter 1000 V

Extremely durable special steel, single-handed operation, stepped cutting in gradation-free cut for copper and aluminium cable

1000 V IEC 60900

Ø 52 | Cu AL

Art. no.	Ø	mm²	kg	PU
200198	52	400	0,942	1

Cable cutters 1000 V

- For cutting Cu/Al cables, fine and multi-wiring
- Not suitable for steel wire and wire rope
- Hardened blades with precision grinding
- Dual lever ensures easy cutting
- Adjustable screw joint
- Blade head in chrome vanadium steel, forged and oil-hardened

1000 V IEC 60900

Ø 26 | Ø 33 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200110	600	26	150	2,327	1
200141	700	33	185	3,292	1

Ratchet cable cutter 1000 V

Two-handed cutter with dual bearing offset mechanism, almost break-proof meshing of rotating blade and tooth blade, separates multiple and fine-wired copper and aluminium cables up to a diameter of 62 mm or 80 mm, but also separates cables with thin steel sheet sleeve or steel sheet armouring in the outer part of the cable, not for hardened steel

1000 V IEC 60900

Ø 62 | Ø 80 | Cu AL | MAX

Art. no.	Ø	mm²	kg	PU
200193	62	840	2,200	1
200195	80	1000	3,150	1

- single wire
- multi-wire
- sector-shaped
- fine wire
- communication
- wire rope
- armoured steel cable
- ACSR
- bolt
- solid steel
- solid Cu

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Wire cutters 1000 V

Wire rope and cable cutter 1000 V

with lever action, blades of high alloyed interchangeable, cutting capacity steelalu ropes up to 16 mm², for copper- and alucable, opening approx 9 mm

1000 V IEC 60900

Ø 9 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200081	700	9	16	2,880	1
200081/MK	Spare cutting head			0,350	1

Wire rope and cable cutter 1000 V

without transmission, blades of high quality special steel, forged, replaceable, opening 20 mm, insulated. Working range: steel-alu-rope up to 120 mm², copper- and alu-cable

1000 V IEC 60900

Ø 20 | Cu AL

Art. no.	TL	Ø	mm²	kg	PU
200130	600	20	120	2,348	1
200132	Spare cutting head			0,340	1

- single wire
- multi-wire
- sector-shaped
- fine wire
- communication
- wire rope
- armoured steel cable
- ACSR
- bolt
- solid steel
- solid Cu

Hacksaw frames 1000 V

Hacksaw frame 1000 V

fully insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	Sbl.	kg	PU
110558	200	150	0,248	1

Hacksaw frame 1000 V

fully insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	Sbl.	strength	kg	PU
110559	350	300	18 x 8	0,732	1

Cable sheath strippers 1000 V

Stripping pliers 1000 V

full insulated, for cutting and stripping off cable sheaths of PVC, PE and VPE, limited cutting deep and therefore no damage on the inside conductors, easy handling, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	TL	Ø	kg	PU
200149	200	26 - 52	0,739	1

Cable sheath cutter 1000 V

for removing all insulating layers from cables with diameters as of 25 mm

- Replaceable dual blade
- Cutting depth can be set
- Suitable for lengthwise and circular cuts

1000 V IEC 60900

Video 110561_67

Art. no.	Ø	kg	PU
110561	>25	0,250	1
110569	spare blades	0,040	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

VDE cable knives 1000 V

Cable knife VDE

with a straight, strong blade, handles made from tough elastic, impact proof plastic, with transparent blade guard

1000 V IEC 60900

Art. no.	BL	form	kg	PU
200000 ✷	50	straight	0,110	1

Cable knife VDE

with a hook-shaped blade, handles made from tough elastic, impact proof plastic, with blade guard, thumb recess at the front and finger hook at the end of the handle. **Application:** Round cable

1000 V IEC 60900

Art. no.	BL	form	kg	PU
200002 ✷	35	straight	0,093	1

Cable knife VDE

with a hook-shaped insulated blade, handles made from tough elastic, impact proof plastic, with blade guard. **Application:** Large round cables

1000 V IEC 60900

Art. no.	BL	form	kg	PU
200003	35	sickle	0,074	1

Cable knife VDE

with a curved blade, handles made from tough elastic, impact proof plastic, with blade guard. **Application:** Sector cable

1000 V IEC 60900

Art. no.	BL	form	kg	PU
200004	35	hooked	0,087	1

Cable knife VDE

with a straight, partially-insulated, strong blade, handles made from tough elastic, impact proof plastic, with blade guard. **Application:** To prevent short circuiting

1000 V IEC 60900

Art. no.	BL	form	kg	PU
200005	40	straight	0,106	1

Cable knife VDE with sliding block

with a hook blade for slicing open and removing the sleeve from wet-room cables, handles made from tough elastic, impact proof plastic, with transparent blade guard. **Application:** Wet-room cables, no damage to conductor insulation thanks to sliding block

1000 V IEC 60900

Art. no.	BL	form	kg	PU
200007	50	sickle	0,120	1

Cable stripping knife VDE

with a straight, strong blade, handles made from tough elastic, impact proof plastic, with blade guard. **Application:** Rubberised insulation types

1000 V IEC 60900

Art. no.	BL	form	kg	PU
200009	50	straight	0,094	1

Cable knife VDE

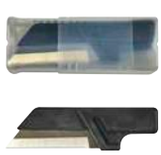
with a straight, partially-insulated, strong blade, handles made from tough elastic, impact proof plastic, replaceable blades, fixed blade guard. **Application:** To prevent short circuiting

1000 V IEC 60900

Art. no.	BL	form	kg	PU
201010 ✷	50	straight	0,067	1

Replacement blades, 4-pcs.

suitable for article 201010



Art. no.	BL	form	kg	PU
201012	50	straight	0,087	1

Cable stripping knife VDE

Blade with a slim, straight blade for fine tasks, handles made from tough elastic, impact proof plastic, with blade guard. **Application:** Phases

1000 V IEC 60900

Art. no.	BL	form	kg	PU
200013	50	straight	0,094	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

T-Handle socket wrenches 1000 V

chrome vanadium steel, full insulated, for hexagon nuts, DIN 7440, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	BL	handle	kg	PU
110000	**10**	200	160	0,300	1
110002	**11**	200	160	0,315	1
110004	**12**	200	160	0,320	1
110006	**13**	200	160	0,320	1
110008	**14**	200	160	0,426	1
110010	**17**	200	160	0,401	1
110012	**19**	200	160	0,430	1
110022	**11**	300	160	0,429	1
110024	**12**	300	160	0,375	1
110026	**13**	300	160	0,380	1
110028	**14**	300	160	0,385	1
110030	**17**	300	160	0,534	1
110032	**19**	300	160	0,556	1
110034	**22**	300	160	0,662	1
110036	**24**	300	160	0,990	1

Cross type socket wrenches 1000 V

chrome vanadium steel, no contact with steel insert, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	BL	kg	PU
110070	**10-11-14-17**	200	0,451	1
110074	**11-12-13-17**	200	0,225	1
110076	**10-13-14-17**	200	0,455	1
110078	**11-13-14-17**	200	0,449	1
110080	**13-17-19-22**	200	0,502	1

Counter hold spanners 1000 V

chrome vanadium steel (31 CrV 3), 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	TL	kg	PU
110081	**10**	200	0,118	1
110083	**12**	200	0,120	1
110084	**13**	200	0,140	1
110085	**14**	250	0,150	1
110087	**16**	260	0,249	1
110089	**17**	270	0,255	1
110091	**18**	265	0,250	1
110093	**19**	270	0,275	1
110095	**20**	275	0,300	1
110097	**22**	275	0,300	1
110099	**24**	270	0,350	1

Right angle allen keys 1000 V

chrome vanadium steel, for hexagon socket screws, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	kg	PU
110042	**3**	0,016	1
110044	**4**	0,029	1
110046	**5**	0,045	1
110048	**6**	0,051	1
110050	**8**	0,103	1
110052	**10**	0,220	1
110054	**12**	0,352	1

T-handle allen keys 1000 V

chrome vanadium steel, for screws with hexagon inserts, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	kg	PU
110060	**5**	0,222	1
110062	**6**	0,227	1
110064	**8**	0,224	1

Single ended spanners 1000 V

chrome vanadium steel, full insulated, offset at 15°, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	TL	strength	kg	PU
110260	**6**	75	3	0,021	1
110262	**7**	80	3,5	0,020	1
110264	**8**	85	3,5	0,032	1
110266	**9**	100	4	0,035	1
110268	**10**	120	5	0,035	1
110270	**11**	130	5,5	0,044	1
110272	**12**	140	5,5	0,064	1
110274	**13**	155	6	0,061	1
110276	**14**	170	6	0,084	1
110278	**17**	185	6,5	0,121	1
110280	**19**	210	7,5	0,140	1
110282	**22**	230	8,5	0,215	1
110284	**24**	250	9,5	0,242	1
110286	**27**	290	11,5	0,338	1
110288	**30**	345	13	0,390	1
110290	**32**	350	15	0,503	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Single ended tool set acc. to VDE 1000 V

in tool wallet of black imitation leather. **Contents:** 8 single ended tools of chrom vanadium steel, offset at 15°, 2-coloured coating-insulation - inside yellow/outside red.

Populated with:
- Size of key 10, 11, 12, 13, 14, 17, 19, 22

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220017	**8-pieces**	220002	1,181	1

Ring spanners 1000 V

chrome vanadium steel, full insulated, offset at 75°, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	TL	kg	PU
110300	**6**	140	0,061	1
110302	**7**	140	0,066	1
110304	**8**	150	0,084	1
110306	**9**	155	0,066	1
110308	**10**	160	0,092	1
110310	**11**	170	0,089	1
110312	**12**	180	0,130	1
110314	**13**	195	0,132	1
110316	**14**	205	0,147	1
110318	**17**	240	0,233	1
110320	**19**	260	0,236	1
110322	**22**	280	0,345	1
110324	**24**	280	0,357	1

Ratchet ring spanners 1000 V

full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	kg	PU
110870	**8**	0,032	1
110872	**9**	0,040	1
110874	**10**	0,050	1
110876	**11**	0,059	1
110878	**12**	0,065	1
110880	**13**	0,076	1
110882	**14**	0,086	1
110884	**15**	0,105	1
110886	**16**	0,130	1
110888	**17**	0,161	1
110890	**18**	0,179	1
110892	**19**	0,215	1

Adjustable wrenches to DIN 3117 A 1000 V

steel forged, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS max.	TL	kg	PU
110555	**26**	200	0,325	1
110556	**31**	250	0,512	1
110557	**36**	300	0,809	1

Reversible ratchet 1000 V

1/4"

full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
220577	1/4"	150	0,145	1

Socket T-wrench 1000 V

1/4"

chrome vanadium steel, tempered, with locking device against accidental loosening of sockets or extensions, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
220578	1/4"	125	0,085	1

Extensions 1000 V

1/4"

with locking device against accidental loosening of sockets or extensions, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
220579	1/4"	100	0,050	1
220580	1/4"	150	0,070	1

Hexagon sockets 1000 V

1/4"

1/4" square drive, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
220581	**5**	1/4"	40	0,011	1
220582	**6**	1/4"	40	0,011	1
220583	**7**	1/4"	40	0,012	1
220584	**8**	1/4"	40	0,013	1
220585	**9**	1/4"	40	0,014	1
220586	**10**	1/4"	40	0,014	1
220587	**11**	1/4"	40	0,017	1
220588	**12**	1/4"	40	0,018	1
220589	**13**	1/4"	40	0,021	1
220590	**14**	1/4"	40	0,023	1

Fittings for hexagon socket screws 1000 V

1/4"

1/4" square drive, made of chrome vanadium steel, forged, oil hardened, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
220591	**3**	1/4"	55	0,016	1
220592	**4**	1/4"	55	0,012	1
220593	**5**	1/4"	55	0,012	1
220594	**6**	1/4"	55	0,024	1

Tool case 1000 V

1/4"

made of plastic, complete with 1/4" tools. The plastic material used for socket sets is guaranteed to pass –40°c impact tests. This quarantee that the insulation value will not be compromised due to impact. Dimension: 286 x 255 x 54 mm.

Contents:

- Reversible ratchet 150 mm, 1/4"
- T-slip-on-keys 125 mm, 1/4"
- Extension 100 and 150 mm, 1/4"
- Sockets 1/4", 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
- Dies for hexagon srews 1/4", 3, 4, 5, 6 mm

1000 V IEC 60900

Video 220576

Art. no.		set	drive	kg	PU
220576	✸	**18-pieces**	1/4"	1,250	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Reversible ratchet 1000 V

1/4"

full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
110810	1/4"	135	0,122	1

Torque wrench 1000 V

TQ 1/4"

reversible ratchet system, fully insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

TQ

Art. no.	drive	torque	TL	kg	PU
110812	1/4"	2-12	200	0,250	1
110813	1/4"	5-25	200	0,420	1

Socket T-wrench 1000 V

1/4"

chrome vanadium steel, tempered, with locking device against accidental loosening of sockets or extensions, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
110818	1/4"	115	0,156	1

Extensions 1000 V

1/4"

with locking device against accidental loosening of sockets or extensions, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
110814	1/4"	75	0,043	1
110816	1/4"	125	0,054	1

Extension with bit adapter 1000 V

1/4"

fully insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	bit adapter	drive	TL	kg	PU
110860	1/4"	1/4"	40	0,023	1

Hexagon sockets 1000 V

1/4"

fully insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
110820	**5**	1/4"	25	0,012	1
110822	**6**	1/4"	25	0,012	1
110824	**7**	1/4"	25	0,014	1
110826	**8**	1/4"	25	0,011	1
110828	**9**	1/4"	25	0,016	1
110830	**10**	1/4"	25	0,014	1
110832	**11**	1/4"	25	0,020	1
110834	**12**	1/4"	25	0,021	1
110836	**13**	1/4"	25	0,021	1
110838	**14**	1/4"	25	0,034	1

Inserts for hexagon socket screws 1000 V

1/4"

fully insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	kg	PU
110840	**3**	1/4"	0,010	1
110842	**4**	1/4"	0,014	1
110844	**5**	1/4"	0,014	1
110846	**6**	1/4"	0,015	1
110848	**8**	1/4"	0,021	1

Handles with bit adapter 1000 V

1/4"

fully insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	bit adapter	drive	TL	kg	PU
110864	1/4"	1/4"	120	0,160	1
110866	1/4"	1/4"	160	0,248	1
110868	1/4"	1/4"	250	0,310	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Tool case for household connections 1000 V

1/4"

Plastic case with foam insert, with 1/4“ insert tools.
Dimensions: 450 x 340 x 100 mm.

Contents:
- 1 torque wrench 1/4" 5 - 25 Nm
- 3 extensions 1/4" 75 - 100 - 150 mm
- 2 bit holders 1/4" DIN 3126/FORM C 6,3
- 5 inserts 1/4" 6, 8, 10, 13, 14
- 10 hexagonal bits 5, 6, 8
- Slots 4, 5.5, 6.5
- PZ/FL 1, 2
- PH 1, 2

1000 V IEC 60900

TQ

Art. no.	set	drive	kg	PU
110869	**21-pieces**	1/4"	1,000	1

Tool case 1000 V

1/4"

Plastic case with foam insert, with 1/4“ insert tools.
Dimensions: 450 x 340 x 100 mm.

Contents:
- 1 ratchet 1/4"
- 1 bit holder 1/4"
- 1 T-fitting 1/4"
- 4 extensions 1/4"
- 10 inserts 1/4", 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
- 5 hexagonal inserts 1/4" 3, 4, 5, 6, 8

1000 V IEC 60900

Art. no.	set	drive	kg	PU
110871	**22-pieces**	1/4"	1,600	1

Reversible ratchet 1000 V

3/8"

full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
220410	3/8"	200	0,300	1

Torque wrench 1000 V

TQ 3/8"

5 - 50 Nm, full insulated, from shock-resistant plastic, with built-in reversible ratchet, right-handed rotation with collet. The achievement of the set torque is made noticeable by a clearly audible or tactile mechanism.

1000 V IEC 60900

360° | 220415

Art. no.	drive	TL	kg	PU
220415	3/8"	385	0,950	1

Socket T-wrench 1000 V

3/8"

chrome vanadium steel, tempered, with locking device against accidental loosening of sockets or extensions, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
220412	3/8"	200	0,241	1

Extensions 1000 V

3/8"

with locking device against accidental loosening of sockets or extensions, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
220414	3/8"	125	0,150	1
220416	3/8"	250	0,250	1

Hexagon sockets 1000 V

3/8"

3/8" square drive, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
220418	**8**	3/8"	44,5	0,027	1
220420	**10**	3/8"	44,5	0,027	1
220422	**12**	3/8"	44,5	0,029	1
220424	**13**	3/8"	44,5	0,032	1
220426	**14**	3/8"	44,5	0,035	1
220428	**17**	3/8"	44,5	0,047	1
220430	**19**	3/8"	46,0	0,051	1
220432	**22**	3/8"	46,0	0,063	1

Fittings for hexagon socket screws 1000 V

3/8"

3/8" square drive, made of chrome vanadium steel, forged, oil hardened, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
220434	**4**	3/8"	60,0	0,036	1
220436	**5**	3/8"	60,0	0,040	1
220438	**6**	3/8"	60,0	0,041	1
220440	**8**	3/8"	60,0	0,042	1

Tool case 1000 V

3/8"

made of plastic, complete with 3/8" tools. The plastic material used for socket sets is guaranteed to pass -40°c impact tests. This quarantee that the insulation value will not be compromised due to impact. Dimension: 286 x 255 x 54 mm.

Contents:

- Reversible ratchet 200 mm, 3/8"
- T-slip-on-keys 200 mm, 3/8"
- Extension 150 and 250 mm, 3/8"
- Sockets 3/8", 8, 10, 12, 13, 14, 17, 19, 22 mm
- Dies for hexagon srews 3/8", 4, 5, 6, 8 mm

1000 V IEC 60900

Video 220402

Art. no.		set	drive	kg	PU
220402	✸	**16-pieces**	3/8"	2,500	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Reversible ratchet 1000 V

3/8"

full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
110331/EN	3/8"	190	0,402	1

Locked torque wrench 1000 V

TQ 3/8"

reversible ratchet system, fixed factory-provided value, possible value between 5-27 Nm, value must be indicate before delivery, full insulated, 2-coloured coating-insulation - inside yellow/outside red. **Torque must be specified when ordering!**

1000 V IEC 60900

TQ

Art. no.	drive	torque	TL	kg	PU
300310/EN	3/8"	5-27	280	0,951	1

Torque wrenches 1000 V

TQ 3/8"

reversible ratchet system, fully insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

TQ

Art. no.	drive	torque	TL	kg	PU
110055/EN	3/8"	5-25	200	0,350	1
110056/EN	3/8"	5-25	280	0,920	1
110065/EN	3/8"	5-50	370	1,194	1

Torque T key 1000 V

TQ 3/8"

chrome vanadium steel, tempered, with locking device against accidental loosening of sockets or extensions, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	torque	TL	kg	PU
110071	3/8"	12 Nm	150	0,540	1
110073	3/8"	18 Nm	150	0,540	1
110075	3/8"	25 Nm	150	0,540	1

Torque stoppers 1000 V

TQ 3/8"

with short extension, locable for all sockets with 3/8“ drive, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	torque	kg	PU
110456/EN	3/8"	-12	0,220	1
110457/EN	3/8"	-18	0,220	1
110458/EN	3/8"	-25	0,224	1

Socket T-wrench 1000 V

3/8"

chrome vanadium steel, tempered, with locking device against accidental loosening of sockets or extensions, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	BL	handle	kg	PU
110039/EN	3/8"	200	160	0,369	1

Extensions 1000 V

3/8"

with locking device against accidental loosening of sockets or extensions, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
110337/EN	3/8"	125	0,292	1
110335/EN	3/8"	250	0,280	1

Extensions with bit adapter 1000 V

3/8"

full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	bit adapter	drive	TL	kg	PU
110861	1/4"	3/8"	125	0,137	1

Hexagon sockets 1000 V

3/8"

3/8“ square drive, 4 edge drive, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
110363/EN	**8**	3/8"	40	0,035	1
110364/EN	**9**	3/8"	40	0,032	1
110365/EN	**10**	3/8"	40	0,036	1
110366/EN	**11**	3/8"	40	0,037	1
110367/EN	**13**	3/8"	40	0,032	1
110368/EN	**17**	3/8"	40	0,050	1
110369/EN	**19**	3/8"	40	0,060	1
110371/EN	**14**	3/8"	40	0,070	1
110700/EN	**12**	3/8"	40	0,070	1
110702/EN	**22**	3/8"	40	0,061	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Hexagon sockets 1000 V, extra long

3/8“ square drive, 4 edge drive, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
110710	**10**	3/8"	125	0,180	1
110712	**12**	3/8"	125	0,200	1
110713	**13**	3/8"	125	0,210	1
110714	**14**	3/8"	125	0,220	1
110715	**17**	3/8"	125	0,240	1
110716	**19**	3/8"	125	0,260	1
110717	**22**	3/8"	125	0,280	1

Fittings for hexagon socket screws 1000 V

3/8“ square drive, 4 edge drive, made of chrome vanadium steel, forged, oil hardened, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
300302/EN	**4**	3/8"	65	0,068	1
300296/EN	**5**	3/8"	65	0,065	1
300298/EN	**6**	3/8"	65	0,068	1
300299/EN	**8**	3/8"	65	0,070	1
300305/EN	**10**	3/8"	65	0,082	1

Tool case 1000 V

made of plastic, complete with 3/8“ tools. Dimension: 450 x 340 x 100 mm.

Contents:
- Reversible ratchet 3/8“
- Extension 125 mm, 3/8“
- Extension 250 mm, 3/8“
- T-slip-on-keys 3/8“
- Sockets 3/8“ (10, 11, 12, 13, 14, 17, 19, 22 mm)
- Dies for hexagon srews 3/8“, 5, 6, 8 mm
- Torque stopper (12 to 25 Nm)
- 2C-VDE screwdriver 3,5 x 100 mm

with locking system

1000 V IEC 60900

Art. no.	set	drive	kg	PU
220147	**17-pieces**	3/8"	3,400	1

Tool case 1000 V

made of plastic, complete with 3/8“ tools. Dimension: 400 x 290 x 110 mm.

Contents:
- Reversible ratchet 3/8“
- Extension 125 mm, 3/8“
- Extension 250 mm, 3/8“
- T-slip-on-keys 3/8“
- Sockets 3/8“, 8, 10, 13, 17, 19 mm
- Dies for hexagon srews 3/8“, 4, 5, 6, 8 mm

without locking system

1000 V IEC 60900

Art. no.	set	drive	kg	PU
220212	**13-pieces**	3/8"	2,500	1

Tool case 1000 V

Plastic case with foam insert, with 3/8“ insert tools.
Dimensions: 400 x 290 x 110 mm.

Contents:
- 1 torque wrench 3/8" 5-50 Nm
- 2 extensions 3/8" 125/250 mm
- 5 inserts, extra deep in the sizes 10, 13, 14, 17, 19 mm
- 5 inserts for hexagonal screws 3/8" in 4, 5, 6, 8, 10 mm
- Alignment tool for sector-shaped conductors 3/8" in 95-150 mm

1000 V IEC 60900

Art. no.	set	drive	kg	PU
110873	**14-pieces**	3/8"	3,870	1

Reversible ratchet 1000 V

1/2"

full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
220450	1/2"	250	0,550	1

Socket T-wrench 1000 V

1/2"

chrome vanadium steel, tempered, with locking device against accidental loosening of sockets or extensions, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
220452	1/2"	200	0,330	1

Extensions 1000 V

1/2"

with locking device against accidental loosening of sockets or extensions, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
220454	1/2"	125	0,208	1
220456	1/2"	250	0,411	1

Hexagon sockets 1000 V

1/2"

1/2" square drive, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
220458	**10**	1/2"	55,0	0,055	1
220460	**11**	1/2"	55,0	0,055	1
220462	**12**	1/2"	55,0	0,058	1
220464	**13**	1/2"	55,0	0,058	1
220466	**14**	1/2"	55,0	0,061	1
220468	**17**	1/2"	55,0	0,069	1
220470	**19**	1/2"	57,0	0,072	1
220478	**22**	1/2"	57,0	0,087	1
220480	**24**	1/2"	57,0	0,095	1
220482	**27**	1/2"	57,0	0,125	1
220484	**32**	1/2"	57,0	0,170	1

Fittings for hexagon socket screws 1000 V

1/2"

1/2" square drive, made of chrome vanadium steel, forged, oil hardened, full insulated, from shock-resistant plastic

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
220486	**4**	1/2"	120,0	0,113	1
220488	**5**	1/2"	120,0	0,113	1
220490	**6**	1/2"	120,0	0,113	1
220492	**8**	1/2"	120,0	0,115	1
220494	**10**	1/2"	120,0	0,134	1

Tool case 1000 V

1/2"

made of plastic, complete with 1/2" tools. The plastic material used for socket sets is guaranteed to pass -40°c impact tests. This quarantee that the insulation value will not be compromised due to impact. Dimension: 380 x 316 x 61 mm.

Contents:

- Reversible ratchet 250 mm, 1/2"
- T-slip-on-keys 200 mm, 1/2"
- Extension 125 and 250 mm, 1/2"
- Sockets 1/2", 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 32 mm
- Dies for hexagon srews 1/2", 4, 5, 6, 8, 10 mm

1000 V IEC 60900

Video 220404

Art. no.		set	drive	kg	PU
220404	✸	**20-pieces**	1/2"	4,000	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

SysCon „VDE-Socket“ 1/2“

SysCon

complete with 1/2“ tools. The plastic material used for socket sets is guaranteed to pass –40°c impact tests. This quarantee that the insulation value will not be compromised due to impact.

Contents:
1 220370 ABS plastic box „SysCon S”

- Reversible ratchet 250 mm, 1/2“
- T-slip-on-keys 200 mm, 1/2“
- Extension 125 and 250 mm, 1/2“
- Sockets 1/2“, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 32 mm
- Dies for hexagon srews 1/2“, 4, 5, 6, 8, 10 mm

1000 V IEC 60900

Art. no.		set	empty	drive	kg	PU
220612	✸	**20-pieces**	220370	1/2"	7,200	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Reversible ratchets, torque wrenches, extensions

Reversible ratchet 1000 V

1/2"

full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
110332/EN	1/2"	255	0,687	1

Locked torque wrench 1000 V

TQ 1/2"

reversible ratchet system, fixed factory-provided valve, possible valve between 5-27 Nm, valve must be indicate before delivery, full insulated, 2-coloured coating-insulation - inside yellow/outside red. **Torque must be specified when ordering!**

1000 V IEC 60900

TQ

Art. no.	drive	torque	TL	kg	PU
300312/EN	1/2"	5-27	280	1,052	1

Torque wrenches 1000 V

TQ 1/2"

reversible ratchet system, fully insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

TQ

Art. no.	drive	torque	TL	kg	PU
110058/EN	1/2"	2-27	280	1,034	1
110066/EN	1/2"	5-50	370	1,121	1
110067/EN	1/2"	20-100	460	1,493	1
110068/EN	1/2"	60-220	530	1,300	1

Socket T-wrench 1000 V

1/2"

chrome vanadium steel, tempered, with locking device against accidental loosening of sockets or extensions, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	BL	handle	kg	PU
110040/EN	**12,5**	200	160	0,457	1

Extensions 1000 V

1/2"

with locking device against accidental loosening of sockets or extensions, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	drive	TL	kg	PU
110336/EN	1/2"	125	0,197	1
110338/EN	1/2"	250	0,389	1

Extensions with bit adapter 1000 V

1/2"

full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	bit adapter	drive	TL	kg	PU
110862	1/4"	1/2"	250	0,165	1

Hexagon sockets 1000 V

1/2"

1/2“ square drive, 4 edge drive, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
110339/EN	**8**	1/2"	50	0,080	1
110340/EN	**10**	1/2"	50	0,056	1
110342/EN	**11**	1/2"	50	0,062	1
110344/EN	**12**	1/2"	50	0,062	1
110346/EN	**13**	1/2"	50	0,066	1
110348/EN	**14**	1/2"	50	0,063	1
110350/EN	**17**	1/2"	50	0,076	1
110352/EN	**19**	1/2"	50	0,072	1
110354/EN	**22**	1/2"	50	0,104	1
110356/EN	**24**	1/2"	50	0,141	1
110358/EN	**27**	1/2"	50	0,191	1
110360/EN	**30**	1/2"	50	0,224	1
110362/EN	**32**	1/2"	50	0,268	1

Hexagon sockets DIN 7448, 1000 V, 80 mm

1/2"

extra long, 1/2“ square drive, 4 edge drive, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
110373/EN	**10**	1/2"	80	0,085	1
110374/EN	**11**	1/2"	80	0,110	1
110375/EN	**13**	1/2"	80	0,123	1
110376/EN	**14**	1/2"	80	0,119	1
110377/EN	**17**	1/2"	80	0,157	1
110378/EN	**19**	1/2"	80	0,168	1
110379/EN	**22**	1/2"	80	0,230	1

Hexagon sockets, 1000 V, 125 mm

1/2"

extra long, 1/2“ square drive, 4 edge drive, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
110346/125	**13**	1/2"	125	0,250	1
110348/125	**14**	1/2"	125	0,260	1
110350/125	**17**	1/2"	125	0,280	1
110352/125	**19**	1/2"	125	0,295	1
110354/125	**22**	1/2"	125	0,310	1
110356/125	**24**	1/2"	125	0,330	1
110358/125	**27**	1/2"	125	0,350	1
110360/125	**30**	1/2"	125	0,380	1
110362/125	**32**	1/2"	125	0,410	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Hexagon sockets, 1000 V, 250 mm

1/2"

extra long, 1/2“ square drive, 4 edge drive, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
110346/250	**13**	1/2"	250	0,485	1
110348/250	**14**	1/2"	250	0,500	1
110350/250	**17**	1/2"	250	0,530	1
110352/250	**19**	1/2"	250	0,550	1
110354/250	**22**	1/2"	250	0,580	1
110356/250	**24**	1/2"	250	0,605	1
110358/250	**27**	1/2"	250	0,635	1
110360/250	**30**	1/2"	250	0,660	1
110362/250	**32**	1/2"	250	0,670	1

Fittings for hexagon socket screws 1000 V

1/2"

1/2“ square drive, 4 edge drive, made of chrome vanadium steel, forged, oil hardened, full insulated, 2-coloured coating-insulation - inside yellow/outside red

1000 V IEC 60900

Art. no.	WS	drive	TL	kg	PU
300294/EN	**4**	1/2"	70	0,094	1
300297/EN	**5**	1/2"	70	0,096	1
300295/EN	**6**	1/2"	70	0,101	1
300303/EN	**8**	1/2"	70	0,100	1
300306/EN	**10**	1/2"	70	0,106	1

Tool case 1000 V

1/2"

made of plastic, complete with 1/2“ tools. Dimension: 450 x 340 x 100 mm.

Contents:

- Reversible ratchet 1/2“
- Extension 125 mm, 1/2“
- Extension 250 mm, 1/2“
- Slip-on-keys 1/2“
- Hexagon sockets 1/2“, 10, 12, 13, 14, 17, 19, 22, 24 mm
- Dies for hexagon srews 1/2“, 5, 6, 8 mm
- 2C-VDE screwdriver 3,5 x 100 mm

with locking system

1000 V IEC 60900

Art. no.	set	drive	kg	PU
220205/EN	**16-pieces**	1/2"	4,080	1

Tool case „Biber“ 1000 V

1/2"

made of plastic, complete with 26 security tools.
Dimension: 450 x 340 x 100 mm.

Contents:

- 2C-VDE electrician‘s screwdrivers 4 x 100, 5,5 x 125, 6,5 x 150, 8 x 175 mm
- VDE combination pliers 200 mm
- VDE side cutters 180 mm
- VDE telephone pliers, straight, 200 mm
- Reversible ratchet 1/2“
- Extension 250 mm, 1/2“
- Hexagon sockets 1/2“, 10, 11, 12, 13, 14, 17, 19 mm
- Open end spanners 10, 11, 12, 13, 14, 17, 19 mm
- 2-pole voltage tester
- Cable knife
- Cable stripping knife

with locking system

1000 V IEC 60900

Art. no.	set	drive	kg	PU
220146	**26-pieces**	1/2"	5,000	1

Alignment tool, 3/8“ 1000 V

3/8“ drive, for the alignment of 3 or 4-wire sector conductors, made from impact-resistant plastic

Art. no.	size	kg	PU
110704	95 - 150 mm²	0,068	1
110705	185 - 240 mm²	0,088	1

Universal alignment tool 1000 V

for aligning sector-shaped conductors from 50, 70, 95, 150, 185, and 240 mm²

1000 V IEC 60900

Art. no.	kg	PU
110709	0,142	1

Counter holder 1000 V

for the easier handling of screwed connections when assembling coupling sleeves, variably adjustable

1000 V IEC 60900

Art. no.	TL	mm	kg	PU
120101	240	0 - 15	0,280	1
120103	220	15 - 40	0,380	1
120104	300	25 - 50	0,610	1

Plastic wedges 1000 V

with bright slot for all common cable cutters, oval form without sharp edges

1000 V IEC 60900

Art. no.	material	TL	width	kg	PU
120102	plastic	22,5	4,5	0,234	1

Plastic wedges 1000 V

without slot, oval form without sharp edges, long version with large head

1000 V IEC 60900

Art. no.	material	TL	width	kg	PU
120100	plastic	20	2,5	0,085	1

Plastic wedges 1000 V

dimension: 16.3 x 3.7 mm

Art. no.	size	material	type	kg	PU
120094	1	plastic	without	0,051	1

Cleaning brushes Safety Line

PVC-pattern

1000 V IEC 60900

Art. no.	TL	width	kg	PU
150036	420	25	0,053	1
150037	420	28	0,061	1
150038	420	50	0,100	1

Electrician‘s safety levels

nonconducting plastic material, with 2 tubes horizontal and vertical

Art. no.	TL	kg	PU
240057	400	0,188	1
240058	600	0,274	1

PVC hammer 1000 V

Bounce-free, head of polyethylen, break-, wear- and splinter-proof, heads interchangeable

1000 V IEC 60900

Art. no.	TL	Ø	kg	PU
180295	290	25	0,570	1
180297	290	35	0,825	1

Combined dowel and contact spanners

may be used for screws 2 - 63 A by changing the insert, handle made from insulating material

Art. no.	TL	kg	PU
120002 ✸	105	0,046	1

Insulated tweezers VDE 1000 V

austenitic steel, pointed, PVC-insulated

1000 V IEC 60900

Art. no.	TL	form	kg	PU
211060	130	**pointed**	0,029	1

1000 V IEC 60900

Art. no.	TL	form	kg	PU
211064	145	**wide round, flat,**	0,042	1

1000 V IEC 60900

Art. no.	TL	form	kg	PU
211062	150	**pointed round, bent,**	0,031	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

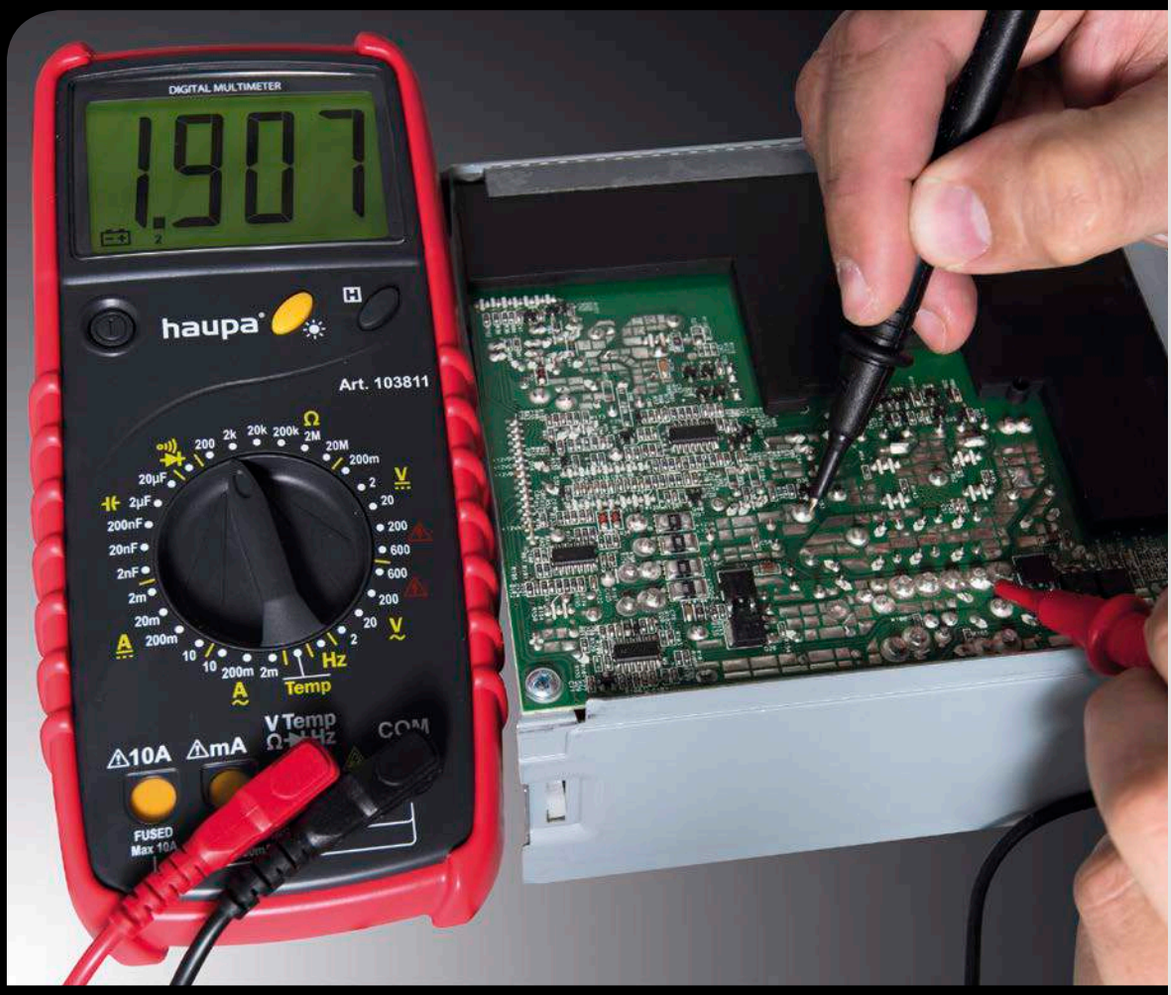
1000 V Tool cases

Tool cases 1000 V can be found from page 346 on.

haupa®

... convincing solutions

Voltage testers



haupa®
... convincing solutions

Voltage tester “Profi LCDplus II”

The “Profi LCDplus II” is the new top model in our tried and tested professional series. The innovative two-pole voltage tester is characterised by a wide performance spectrum and practical one-handed operation. It enables testing without finger contact and, thanks to the high CAT IV 1000 V safety level, is suitable with immediate effect for taking measurements on hybrid and electrical vehicles as well as for photovoltaic systems.

Functions and benefits
- Highest CAT IV 1000 V safety level
- Large, illuminated LCD
- Voltage display up to 1000 V AC and 1400 V DC
- Resistance measurement up to 1999 Ω
- Frequency display up to 1000 Hz

Technical data	**„Profi LCDplus II“**
Display:	Optical, LCD
Measuring range:	Automatic
Over-voltage category:	CAT IV 1,000 V
Dimensions:	300 x 75 x 20 mm
Weight:	270 g
Colour:	Red/black
Scope of delivery:	Including batteries
Accessories (optional):	Carry bag
Voltage range:	3–1000 V AC (TRMS/RMS) 4–1400 V DC
Throughput check:	0–200 Ω with acoustic signal
Phase display:	> 100 V AC
Voltage supply:	2 x 1.5 V AAA (display of voltages is possible even without batteries)
Polarity:	Yes (- in LCD)
PELV display:	Optical and vibrating
Protection class:	IP 65
Standard:	EN 61243-3:2010
Resistance measurement:	1–1999 Ω
Frequency measurement:	0-500 Hz
Data-hold:	Voltage and resistance
Automatic power off function:	Yes
FI/RCD test:	30 mA at 230 V AC using two buttons
Single-pole phase test:	Yes
Two-pole phase-sequence test:	Yes
Illumination of measuring point:	White LED
4-mm test tip adapter:	Can be unscrewed
Guarantee:	2 years

Art. no.	TMA	kg	PU
103826	3-1000	0,264	1

Voltage tester “Profi LEDplus II”

The new two-pole voltage tester “Profi LEDplus II” is the result of consistent further development of our popular “Profi LEDplus”. It is characterised by user-friendly handling, robust and safe construction and meets all the requirements a specialist user makes of the modern voltage tester. Thanks to the highest safety level, CAT IV 1000 V, it is also suitable for measurements on hybrid and electrical vehicles as well as photovoltaic systems.

Functions and benefits
- Highest CAT IV 1000 V safety level
- Practical one-handed operation
- Robust, safe construction format
- Tests without finger contact
- Display on voltages even without battery

Technical data	**„Profi LEDplus II“**
Display:	Optical, LEDs
Measuring range:	Automatic
Over-voltage category:	CAT IV 1,000 V
Dimensions:	300 x 75 x 20 mm
Weight:	270 g
Colour:	Red/black
Scope of delivery:	Including batteries
Accessories (optional):	Carry bag
Voltage range:	6–1000 V AC 6–1400 V DC
Throughput check:	0–50 kΩ optical/acoustic
Phase display:	> 100 V AC
Voltage supply:	2 x 1.5 V AAA (display of voltages is possible even without batteries)
Diode test:	Yes
Polarity:	Yes (+,- LED)
PELV display:	Optical and vibrating
Protection class:	IP 65
Standard:	EN 61243-3:2010
Automatic power off function:	Yes
FI/RCD test:	30 mA at 230 V AC using two buttons
Single-pole phase test:	Yes
Two-pole phase-sequence test:	Yes
Illumination of measuring point:	White LED
4-mm test tip adapter:	Can be unscrewed
Guarantee:	2 years

Art. no.	TMA	kg	PU
103824	6-1000	0,264	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Voltage tester “Basic +”

The two-pole voltage tester reliably indicates direct and alternating voltages within a range of 6 to 400 V in 7 intervals per LED (6, 12, 24, 50, 120, 230 and 400). The electronics also enable the determination of polarity and the phase to protective conductor. The “Basic +” is characterised by a user-friendly construction and robust housing that ensures long operational life. The rubberised handles offer non-slip hold. The “Basic +” operates without batteries. It takes its operating voltage from the test object.

Functions and benefits
- User-friendly and robust
- Voltage range up to 400 V AC/DC
- Phase search to protective conductor

Technical data	**„Basic +“**
Display:	Optical, 8 LEDs
Over-voltage category:	CAT III 400 V
Dimensions:	120 x 60 x 30 mm
Weight:	100 g
Colour:	Red/black
Accessories (optional):	Carry bag
Voltage range:	6 - 400 V AC/DC
Voltage supply:	Via measuring object
Polarity:	Yes (+,- LED)
Standard:	EN 61243-3:2010
Housing:	High quality plastic with rubberised handle area
Guarantee:	2 years

Art. no.	TMA	TL	kg	PU
103800	6-400	120	0,097	1

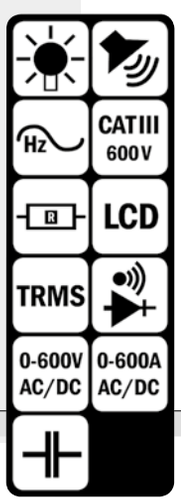
“Multi Clamp II” digital miniature clamp transducer AC/DC 600 V

Thanks to the versatile measuring functions, the digital probe ampere meter “Multi Clamp II” may be used universally. Handy details, such as the large display, the manual or automatic measuring range selection and the measuring point illumination, make operation particularly convenient and safe.

Functions and benefits
- Large range of functions
- Easy to read LCD
- LED measuring point illumination

Technical data	**„Multi Clamp II“**
Display:	LCD with 4 digits
Over-voltage category:	CAT III 600 V
Dimensions:	220 x 75 x 35 mm
Weight:	340g
Colour:	Red/black
Scope of delivery:	Including measuring cables, batteries and carry bag
Voltage supply:	3x 1.5V
Diode test:	Test current - 1 mA, test voltage - 3.3 V
Throughput test:	Throughput tone under 30Î©
Direct voltage:	600m, 6, 60, 600V
Direct current:	60A, 600A
Alternating voltage:	600mV, 6, 60, 600V, 40 to 400Hz
Alternating current:	60A, 600A, 40 to 400Hz
Alternating current accuracy:	±3.0 % +10 digit
Alternating current, highest resolution:	10 mA
Direct current, highest resolution:	10 mA
Alternating voltage accuracy:	±1.5 % +10 digit to 600 mV / ±1.2 % +5 digit to 60 V / ±1.5 %+10 digit to 600 V
Alternating voltage, highest resolution:	100 µV
Alternating voltage input resistance:	10 MΩ
Direct voltage accuracy:	±0.8 % +3 digit to 60 V / ±1.0 %V +5 digit to 600 V
Direct voltage, highest resolution:	100 µV
Direct voltage input resistance:	10 MΩ

Frequency measuring tongs: 600 Hz, 1 kHz, > 1 A AC rms
Frequency measuring tongs, accuracy: ±1.5 % +5 digit to 1 kHz
Frequency measuring tongs, highest resolution: 100 mHz
Frequency measuring socket: 600 Hz, 6 kHz, 10 kHz, > 0.2 V AC rms
Frequency measuring socket, accuracy: ±1.5 % +5 digit to 10 kHz
Frequency measuring socket, highest resolution: 100 mHz
Sampling rate: 10 to 95 %, ±3.0 %, > 1 A AC rms
Sampling rate, frequency range: 10 Hz to 1 kHz
Sampling rate, capacity measurement: To 60 mF
Resistance accuracy: ±1.2 % +2 digit to 6 MΩ
±2.0 % +5 digit to 60 MΩ
Resistance highest accuracy: 100 MΩ
Diode test resolution: 1 mV
Diode test throughput test: Throughput tone under 30 Ω
Guarantee: 2 years



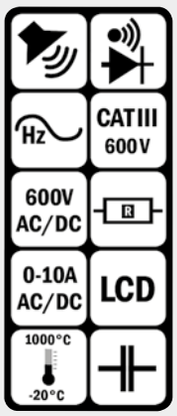
Art. no.	kg	PU
103809	0,426	1

“Multi Check II” - digital high-capacity multimeter

The “Multi Check II” is particularly safe to use. Thanks to the automatic measuring range protection, it is impossible to operate incorrectly. In addition, the digital multimeter has an easy to read LC display with background illumination.

Functions and benefits
- Automatic measuring range protection
- Large LCD with background lighting
- Temperature measurement

Technical data	**„Multi Check II“**
Display:	37 mm, large, illuminated LCD
Over-voltage category:	CAT III 600 V
Weight:	380g including batteries.
Scope of delivery:	Including measuring cables, holster, temperature sensor and battery
Voltage supply:	1x 9 V 6LR61
Diode test:	Yes
Standard:	IEC/EN 61010-1, IEC/EN 61010-2-033
Dimension:	200 x 89 x 38 mm
AC voltage:	2 V, 20 V, 200 V ; ±1.0 %, ±5 Digits 600 V ; ±1.2 %, ±5 Digits
AC current:	2 mA, 20 mA ; ±1.0 %, ±5 digits 200 mA ; ±1.5 %, ±3 digits 10 A ; ±2.0 %, ±8 digits
Operating temperature range:	0–40 °C (32–104 °F)
DC voltage:	200 mV, 2 V, 20 V, 200 V ; ±0.5 %, ±3 digits 600 V ; ±0.8 %, ±5 digits
DC current:	2 mA, 20 mA ; ±1.0 %, ±3 digits 200 mA ; ±1.5 %, ±3 digits 10 A ; ±2.0 %, ±5 digits
Throughput test:	Yes
Input impedance:	> 7.5 MΩ, type 10 MΩ (ACV & DCV)
Frequency measurement range:	0-20 kHz
Capacity measurement range:	To 20 µF
Storage temperature range:	-10-50 °C (14-122 °F)
Maximum input voltage:	600 V AC/DC
Fuses:	200 mA (resettable) 10 A/1000 V (fast)
Temperature measurement:	-20–1000°C with K-type sensor
Alternating current bandwidth:	50-400 Hz
Resistance:	200 Ω ; ±1.0 %, ±5 digits 2 kΩ, 20 kΩ, 200 kΩ ; ±1.0 %, ±5 digits 2 MΩ ; ±1.0 %, ±5 digits 20 MΩ ; ±1.5 %, ±5 digits
Guarantee:	2 years



Art. no.	kg	PU
103811	0,433	1

Circuit tester “Control”

The “Control” recognises, thanks to the no-contact voltage sensor, alternating voltages through insulation. Defective lamps, for example, in fairy light chains or similar will be shown quickly and precisely. The incorporated current warning issues and alarm when life-threatening voltage is present. The electronics also enable single-pole phase detection. Throughput tester with LED pocket torch, without flat battery, with replaceable measuring cables.

Functions and benefits
- Reliable throughput tester
- No-contact voltage sensor
- High-performance LED torch

Technical data	**„Control“**
Over-voltage category:	CAT II 300 V
Dimensions:	120 x 60 x 30 mm
Weight:	90 g (without batteries)
Colour:	Red
Scope of delivery:	2 measuring cables
Accessories (optional):	Crocodile clips, carry bag
Throughput check:	Optical 0–20 Ω acoustic 0–250 Ω
Test voltage:	4.5 V
Test current:	Optical - 10 mA acoustic - 2 mA
External voltage protection:	Up to 300 V
Guarantee:	2 years

Art. no.	kg	PU
100666	0,139	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

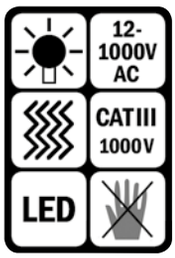
Best-seller Premium product

Voltage tester “TestPen Profi”

The non-contact voltage tester “TestPen Profi” recognises current-carrying cables as of 12 V, including low-voltage systems.. Invisible cable breaks in extension cords or a defect lamp in fairy lights can be localised to the centimetre in seconds thanks to the capacitive measuring procedure.

Functions and benefits

- Capacitive measuring procedure
- Measurements as of 12 V
- LED torch
- Vibrating display



Technical data	**„TestPen Profi“**
Display:	Optical and vibrating
Measuring range:	12–1000 V AC
Over-voltage category:	CAT III 1,000 V
Dimensions:	160 x 25 mm
Weight:	45 g
Colour:	Red
Scope of delivery:	Including batteries
Integrated LED torch:	Yes
Voltage supply:	2 x 1.5 V AAA Micro, LR03
Standard:	IEC/EN 61010-1 (DIN VDE 0411)
Housing:	Impact/break proof ABS plastic
Guarantee:	2 years

Art. no.	TMA	TL	kg	PU
103817	12-1000	140	0,190	1

Voltage testers VDE/GS

5 mm surrounding hand-protection, clip of insulating material, fixed installed scale with dark background

Art. no.	TMA	TL	BL	kg	PU
100700 ✷	125-250	190	-	0,036	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Personal protection equipment

haupa®

... convincing solutions

INFO

HUPsafteygloves - insulating gloves

Recommendation for use and maintenance
Insulating gloves are made of natural latex, which is very sensitive to light, heat and air.

- **Before each use:** Visually inspect the gloves and blow air into them to detect any air holes.
- **After use:** Clean and dry your gloves thoroughly.
- **Storage:** Keep the gloves away from heat, direct light and ozone.
- It is strongly recommended to retest the gloves every six months.

It is recommended that all gloves are tested once every six months (every twelve months if they are in storage and not being used).

In every case: The gloves must be visually inspected before every use for rips, cuts and holes!

ALWAYS:
- Determine the voltage with which you are working, to select the appropriate class (00 to 4).
- Wear insulating gloves that have been tested and approved.

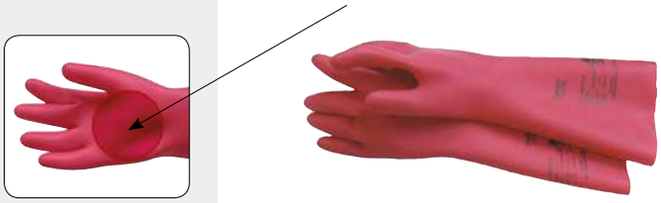
Class	Alternating Current	Direct Current
00	500	750
0	1.000	1.500
1	7.500	11.250
2	17.000	25.500
3	26.500	39.700
4	36.000	54.000

Recommended maximum voltage according to IEC 60903
The nominal voltage corresponds to the phase-to-phase voltage in multi-phase circuits. The user can choose to use a different class of glove than the one recommended.

Typical direct current applications can be found in the rail and public transport sectors (the most dangerous situations are turning the power supply on and off).

Gloves in accordance with DIN EN 60903

made from latex, for working voltages of 500, 1.000, 7.500, 17.000 to 26.500 Volt. Electricians gloves by HAUPA protect from dangers through arcing faults. Pleasant, slightly roughened surface in the palm and finger area (improved non-slip)



Art. no.	size	TL	strength	Class	kg	PU
120004	**9**	350	0,5	**00**	0,270	1
120005	**10**	350	0,5	**00**	0,293	1
120006 ✸	**9**	400	1,0	**0**	0,270	1
120007 ✸	**10**	400	1,0	**0**	0,280	1
120007/1	**11**	400	1,0	**0**	0,300	1
120006 561	**10**	400	1,5	**1**	0,646	1
120006 564 S	**10**	400	2,3	**2**	0,727	1
120006 587	**10**	400	2,9	**3**	0,947	1

Bicolour insulating gloves according to DIN EN 60903

Made of latex for working voltages from 500, 1.000, 7.500, 17.000, 26.500 to 36.000 volts. HAUPA's electricians gloves protect against the hazards caused by arc faults. Pleasant, lightly roughened hand and finger surfaces (for improved slip protection).

Greater safety thanks to two colours. Due to the two colour concept of the gloves **(red on the outside - beige on the inside)**, the user can recognise damage (such as cuts, abrasions or rips) to the gloves quicker and more easily. Easy and accurate - saves time and provides safety. In the event of any damage, the beige colour shines through and shows up any defect.

Art. no.	size	TL	strength	Class	kg	PU
121000	**9**	360	0,5	**00**	0,300	1
121002	**10**	360	0,5	**00**	0,300	1
121004	**9**	410	1,0	**0**	0,300	1
121006	**10**	410	1,0	**0**	0,300	1
121008	**11**	410	1,0	**0**	0,300	1
121010	**12**	410	1,0	**0**	0,300	1
121012	**10**	410	1,5	**1**	0,300	1
121014	**10**	410	2,3	**2**	0,300	1
121016	**10**	410	2,9	**3**	0,300	1
121018	**10**	410	3,4	**4**	0,300	1

Glove tester

Pneumatic tester for electrician's protective gloves. **It is recommended to carry out a test of this nature before starting work.**

Art. no.	kg	PU
120109	0,800	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Cotton gloves for putting underneath

short cotton gloves to wear with latex-gloves
Art. No. 120004 - 120007

Art. no.	size	TL	kg	PU
120003	universal	275	0,041	1

Heat protection gloves acc. to EN 407

Inner glove for heat insulation according to EN 407, flame resistant, made from NOMEX III, heat insulation for contact and insulation against convective heat

CE

Art. no.	size	TL	kg	PU
120011	universal	260	0,039	1

Outer gloves

for mechanical protection from insulated gloves for low voltages 2.5 kV and 5 kV. Made from cow-skin shagreen, water-repellent and silicone treated. Hoop and loop closure on the back of the hand. 150 mm length, sheath sewn on to the exterior. Leather thickness: Only 0.8 / 1.1 mm. Corresponds to the following standards: EN 420-94 General EEC criteria EN 388-94

EN 388
2121

CE

Art. no.		size	TL	kg	PU
120028	L	**10**	300	0,070	1

Set with protective gloves EN 60903

Safety set, 4 pieces in storage bag, with name plate window, made from polyester (art. no. 220259)

Contents: 120006, 120028, 120003
Note: The insulating gloves HUPsafetygloves (art. no. 120006) must be stored in their original packaging in order to avoid damage to the product.

Art. no.	TL	set	kg	PU
120029	400	**4-pieces**	6,860	1

Set with protective gloves EN 60903 light

Safety set, 3 pieces in storage bag, with name plate window, made from polyester (art. no. 220259)

Contents: 120006, 120003
Note: The insulating gloves HUPsafetygloves (art. no. 120006) must be stored in their original packaging in order to avoid damage to the product.

Art. no.	TL	set	kg	PU
120037	400	**3-pieces**	6,790	1

Safety fuse grips

with slip off protection and protection sleeve, for low voltage (NH) fuses class 00 - 3, protective sleeve made from smooth, impregnated leather

Art. no.		kg	PU
120012	✷	0,563	1

haupa®
... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Disposable protective gloves NITRILE

Disposable protective gloves NITRIL - DIN EN 455. Branded goods. Micro-roughened palm. 100% latex-free, chemical resistant. Seamless, faultless rolled edge, liquid-tight, right / left-fitting. Dispensing box containing 100 items.

Art. no.		size	kg	PU
393104	L	**10**	0,300	1

Leather working glove

Ideal for medium severity work in the construction, warehousing and transportation sectors, PSE in accordance with category 1 of the directive 89/686/EEC

- Split pigskin leather: Heat and cold resistant, high abrasion resistance, good skin protection
- Back of hand made from cotton
- Canvas cuff
- Single size 10.5

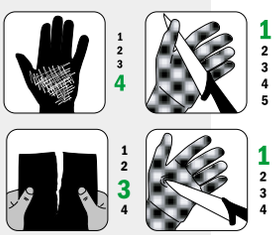
CE

Art. no.		size	TL	kg	PU
120310	L	**10,5**	250	0,343	1

PU textile glove

Ideal for fine mechanical tasks and low mechanical loads

- HPPE fibre
- Thin PU coating on palm and fingertips: Flexible and elastic, high abrasion resistance, safe grip
- Excellent fit, pleasant wearing comfort
- Area of use: Warehouse and assembly work, fine mechanical tasks



Art. no.		size	TL	kg	PU
120300/7	XS	**7**	250	0,027	12
120300/8	S	**8**	250	0,027	12
120300/9	M	**9**	250	0,027	12
120300/10	L	**10**	250	0,027	12
120300/11	XL	**11**	250	0,027	12

PU cut-protection glove, level 3

For high mechanical loads, good cut-protection due to cut-resistance level 3

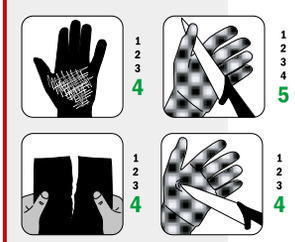
- HPPE fibre
- PU coating on palm and fingertips: Flexible and elastic, high abrasion resistance, safe grip
- Excellent fit, pleasant wearing comfort
- Area of use: Warehousing and assembly work, fine mechanical tasks with slightly sharp objects

Art. no.		size	TL	kg	PU
120302/9	M	**9**	260	0,049	1
120302/10	X	**10**	260	0,049	1
120302/11	XL	**11**	260	0,049	1

PU cut-protection glove, level 5

High cut-protection thanks to cut-resistance level 5, for high mechanical loads

- HPPE fibre
- Thick PU coating on palm and fingertips: Flexible and elastic, high abrasion resistance, safe grip
- Excellent fit, pleasant wearing comfort
- Area of use: Warehousing and assembly work, fine mechanical tasks with sharp objects



Art. no.		size	TL	kg	PU
120304/9	M	**9**	260	0,069	1
120304/10	X	**10**	260	0,069	1
120304/11	XL	**11**	260	0,069	1

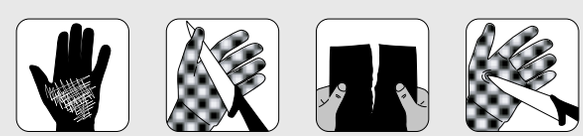
Our PU cut-protection gloves are used to protect against mechanical risks, in accordance with EN 388 and EN 420.

The „Hammer“ pictogram defines the performance level of the product.

EN 388
4544

Example:

Abrasion resistance	→	4
Cut resistance	→	5
Tear propagation strength	→	4
Penetration resistance	→	4



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Electricians‘ protection helmets acc. to DIN EN 397 1000 V

low weight, very weatherproof even in cold areas and a stable and very comfortable 4-point belt strap interior. Adjustable to head size, rain catch, slots for ear protection, mount for face protection shields (Art. 120010 + 120034)

CE

Art. no.		colour	kg	PU
120008		**green**	0,343	1
120008 GELB		**yellow**	0,343	1
120008 ROT	✸	**red**	0,343	1
120008 WEISS		**white**	0,343	1

Electricians protection visor acc. to EN 166

Protection against short circuit lighting, vision screen of acetate, glassy, transparent forehead protection, convenient head mounting and individual adjustable

CE 1000 V

Art. no.	colour	kg	PU
150377	**transparent**	0,373	1

Electrician-safety face mask class II

Electrician-safety face mask with chin guard, protection according DIN EN 166 + 170, GS-ET-29 (protection against arc faults Class II, 7kA), luminous transmission index 0

Art. no.	colour	kg	PU
120034	**transparent**	0,275	1

Safety-face masks acc. to EN 166

for protection against arc faults

CE 1000 V

Art. no.		colour	kg	PU
120010	✸	**transparent**	0,275	1

Safety classes acc. to EN 166

Goggles with transparent lenses, black/orange nylon frame, lenses made of polycarbonate, light weight, high wearing comfort, protects against mechanical risks caused by flying parts, EN166, ANSI Z87.1

CE

Art. no.		kg	PU
120087	✸	0,270	1

Safety classes acc. to EN 166

Single lens goggles with transparent lenses, black nylon frame, lenses made of polycarbonate, light weight, high wearing comfort, arm length can be adjusted Protects against mechanical risks caused by flying parts, EN166, ANSI Z87.1

CE

Art. no.		kg	PU
120088	✸	0,029	1

Safety classes acc. to EN 166

Single lens goggles with transparent lenses, soft transparent PVC frame, lenses made of polycarbonate, light weight, high wearing comfort, elastic and adjustable head band, protects against mechanical risks caused by flying parts, EN166, ANSI Z87.1

CE

Art. no.	kg	PU
120093	0,067	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Ear defenders acc. to EN 352

Dielectric design for environments with the risk of electrical influences, supersoft sealing cushions for long comfort in wear, three wearing positions make combination with safety helmets, face and breathing masks and other safety equipment easy, SNR: 26 dB

Art. no.	dB	colour	kg	PU
120112	26	blue	0,184	1

Ear defenders acc. to EN 352

Enclosed hearing protectors according to EN 352 with universal bow, soft sealing cushions for long comfort in wear, SNR: 23 dB

Art. no.	dB	colour	kg	PU
120111	23	red	0,143	1

Ear muffs for helmet

Ear muffs including helmet holder, SNR 23 for all currently available protective helmets.

Art. no.	dB	colour	kg	PU
120116	23	green	0,184	1

Ear protection plugs

Universal size, the material adapts individually to every auditory canal, simple to handle, reusable SNR: 30 dB

Art. no.	dB	colour	kg	PU
120115	30	orange	0,010	1

Dust masks

light type, made of filter-fleece, against fine particulate matter

Art. no.	FFP	kg	PU
120120	filterclass P 1	0,010	1
120122	filterclass P 1	0,014	1

Electricians‘ boots acc. to EN 50321 Class 0

Available in the sizes 42 to 48

Art. no.	size	colour	kg	PU
120014	42	white	2,160	1
120015	43	white	2,235	1
120016	44 - 45	white	2,400	1
120017	46	white	2,550	1
120018	47 - 48	white	2,160	1

Shoe cover, blue, with elasticated cord

Pack containing 100 items.

Art. no.	size	colour	kg	PU
393106	uni	blue	0,300	1

Security bag, empty

without contents, material: Nylon

Art. no.		width	depth	height	kg	PU
300420	**empty**	390	50	590	0,680	1

Safety-sets VDE/GS

in practical bag, 6-pieces. **Contents:** Electricians‘ helmet, safety mask, safety handle, gloves size 10 (1000 V), insulating mat 1000 x 1000 x 4 mm

Art. no.		set	kg	PU
300228	✸	**6-pieces**	6,860	1
300229		**5-pieces** (without insulating mat)	3,480	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

SysCon XL „SafetySet“

SysCon

Content:
1 220650 ABS plastic box „SysCon XL“

1 120010 VDE electricians protection visor 1000 V
1 120007 VDE gloves 1000 V size 10
1 120008 Electricians‘ protection helmet
1 120012 VDE NH fuse grip

Art. no.	set	empty	kg	PU
220652	**5-pieces**	220650	2,000	1

Climping irons acc. to DIN 48 345

postal-type, with 2 points, offset foot-plate and wide leather heel cap, width of points 260 mm, for wooden posts of 150 - 240 mm diam.

Art. no.		kg	PU
150280	wide counter	4,050	1

Safety ropes acc. to A-DIN 83330

Safety ropes with hand loop and safety spring hooks acc. to A-DIN 5290. Type: 16 mm drilled polyamide rope

Art. no.	TL	strength	kg	PU
150262	5 m	16	1,185	1
150264	10 m	16	2,040	1
150266	15 m	16	2,810	1
150268	20 m	16	3,781	1

Safety belts acc. EN 358

safety belt universal for all sizes, length 1,50 meter

Art. no.	TL	kg	PU
150240	1,5 m	1,210	1

Fallstop acc. to EN 354

Breaking device and rope shortening acc. to EN 355, length 2 m, one hand spring hooks on both sides

Art. no.	TL	kg	PU
150274	2 m	1,090	1

Travelling safety device DIN 353-2, Type ASK 1

Rope shortener function: takes up slack rope and thus reduces height of the fall. **Fall absorber function:** in the case of a fall this limits the catching impact to a medically acceptable level of 6 kN. **Features:** Rope shortener made from V2A stainless steel, connection band with integrated fall absorber and self-securing trigger snap, high level of functional safety and absolutely maintenance free due to simplest mechanism, cannot be operated incorrectly, as every device is firmly attached to the rope

Art. no.	TL	strength	kg	PU
150275	5 m	12	1,953	1
150276	10 m	12	2,482	1
150277	15 m	12	3,062	1
150278	20 m	12	3,174	1
150279	25 m	12	3,675	1

Safety harness DIN EN 361

Universal harness, rapid adjustment of shoulder strap (orange, 45 mm), body strap (orange, 45 mm) and leg straps (blue, 45 mm), fits all sizes, 1 back D ring, 2 side rings, lightweight, comfortable fabric. The forces that develop during a fall are transferred to less sensitive parts of the body

Art. no.	kg	PU
150270	1,614	1

Personal safety set

Safety harness (150270), safety device (150277) and shock absorbing rope (15 m) in practical backpack

Art. no.	set	kg	PU
150258	**4-pieces**	4,961	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Insulating floor mats acc. to IEC-61111

with anti-skid surfaces, colour: grey

art: 120030, 120031 = Class 2 / 17.000 Volt
art: 120033 = Class 4 / 36.000 Volt

Art. no.		KV	TL			kg	PU
120030	✸	**17**	1000	1 m x 1 m x 3,0 mm		3,754	1
120031		**17**	10000	10 m x 1 m x 3,0 mm	**role**	34,000	1
120033		**36**	10000	10 m x 1 m x 4,5 mm	**role**	42,000	1

Isolating magnetic rubber towels

Isolating rubber towels 1000 V, with magnets,
IEC 61112 A-KX 55-15 Class 0-Categorie A+Z.

120160: 300 x 500 x 1 mm with 6 magnets
120162: 500 x 700 x 1 mm with 12 magnets
120164: 300 x 700 x 1 mm with 8 magnets
120166: 1100 x 1100 x 1 mm with 20 magnets

1000 V

Video 120160_66

Art. no.	TL	width	strength	magnets	kg	PU
120160	300	500	1,0	6	0,370	1
120162	500	700	1,0	12	0,500	1
120164	300	700	1,0	8	0,700	1
120166	1100	1100	1,0	20	2,000	1

VDE magnet for rubber cloth

1000 V

Art. no.	TL	width	strength	magnets	kg	PU
120168	70	70	1,0	1	0,025	1

Rubber towels acc. to VDE 0680/1

grease and acid-proof, for covering of live equipment

1000 V

Art. no.	TL	width	strength	kg	PU
120040	120	120	1,6	0,037	1
120042	350	250	1,6	0,193	1
120044	600	600	1,6	1,000	1
120046 ✸	1000	1000	1,6	2,485	1
120048	1200	1200	1,6	3,200	1

Covering blankets transparent

in accordance with VDE 0680 part 1, with special labelling 1000 V, transparent, largely UV-resistant, flexible in the cold

1000 V

Art. no.	TL	width	strength	kg	PU
120200	50000	1300	0,5	41,500	1
150322	25000	1200	1,0	38,000	1

Covering blankets transparent

in accordance with VDE 0680 part 1, with special labelling 1000 V, transparent, largely UV-resistant, flexible in the cold

1000 V

Art. no.	TL	width	strength	kg	PU
150302	1000	600	1,0	0,750	1
150304	1000	600	0,5	0,332	1
150306	1000	400	1,0	0,520	1
150308	1000	400	0,5	0,260	1
150310	1000	300	1,0	0,380	1
150312	1000	300	0,5	0,190	1
150314	600	400	1,0	0,340	1
150316	600	400	0,5	0,171	1
150318	400	300	1,0	0,170	1
150320	400	300	0,5	0,100	1

Plastic clips 1000 V

for fastening of rubber towels

Art. no.		TL	opening	kg	PU
120049		80	25	0,029	1
120050	✸	160	40	0,069	1

Self adhesive PVC tape

VDE 0340/T1/5.75, temperature area - 10 to + 90° C, 100 x 0,15 mm

Art. no.	TL	colour	kg	PU
120095	10000	grey	0,192	1
120096	10000	red	0,190	1

Slip on bushes 1000 V

for protective covering of bare live cable terminals, numbered: No. 1 - 2 - 3

1000 V IEC 60900

Art. no.		TL	Ø	for No.	kg	PU
120060	✸	80	10	1	0,008	1
120062		80	10	2	0,008	1
120064		80	10	3	0,008	1

Slip on bushes 1000 V

self clamping, not numbered

1000 V IEC 60900

Art. no.	TL	Ø	kg	PU
120070	75	10	0,011	1
120072	100	20	0,121	1
120074	120	30	0,207	1
120071	135	40	0,372	1
120069	155	50	0,172	1
120073	150	60	0,144	1

Insulator cover for gable insulators 1000 V

with plastic buttons, absolutely safety attachments, touch protection on the bottom side, of weak, weather proofed insulation-material, for long term usage suitable

1000 V IEC 60900

Art. no.	TL	width	kg	PU
120079	245	270	0,900	1

Insulator cover for gable insulators 1000 V

with plastic buttons, absolutely safety attachments, touch protection on the bottom side, of weak, weather proofed insulation-material, for long term usage suitable

1000 V IEC 60900

Art. no.	TL	width	kg	PU
120089	115	270	1,100	1

Insulator cover for gable insulators 1000 V

double faced, inside soft and outside strong plastic, for transformers and similar products

1000 V IEC 60900

Art. no.	TL	kg	PU
120057	80	0,400	1
120059	300	0,775	1

NH-protecting caps 1000 V

for the covering of spring contacts

1000 V IEC 60900

Art. no.	TL	width	kg	PU
120058	315	170	0,390	1

NH-protecting caps 1000 V

for the covering of spring contacts

1000 V IEC 60900

Art. no.	TL	width	kg	PU
120077	170	140	0,155	1
120078	255	135	0,205	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Sealing pliers and accessories

Sealing pliers

made of cast iron, punch exchangeable and hardened, bright nickel-plated

Art. no.	TL	dies-Ø	kg	PU
210700 ✷	125	8	0,243	1
210702	145	9	0,316	1
210704	165	10	0,448	1

Dies for sealing pliers

loose dies

Art. no.	dies-Ø	kg	PU
210710	8	0,004	1
210712	9	0,004	1
210714	10	0,006	1

Engraving for sealing pliers

Special engraving on request

Art. no.	
210731	up to 3 letters
210732	every further letter
210733	every border

Lead seals

Art. no.	Ø	Quantity per kg	kg	PU
150340	8	850	1,080	1
150342	9	600	1,110	1
150344	10	400	1,010	1

Plastic seals

Art. no.	Ø	kg	PU
150343 ✷	9	0,002	1000
150345	10	0,003	1000

Seal wire

Material: Iron wire, galvanised

Art. no.	TL(m)	d1	d2	kg	PU
150360 ✷	115	0,5	0,5	0,532	1
150362	230	0,5	0,5	1,041	1
150364	190	0,5	0,3	0,530	1
150366	380	0,5	0,3	1,035	1
150368	300	0,3	0,3	0,533	1
150370	600	0,3	0,3	1,037	1

Plastic seal wire

Art. no.	TL(m)	d1	d2	colour	kg	PU
150375 BLAU	100	0,5	0,6	blue	0,199	1
150375 GRÜN	100	0,5	0,6	green	0,220	1
150375 ROT	100	0,5	0,6	red	0,207	1

Parallel rope tension clamps

for copper and steel cables and wires

Art. no.	for ropes mm²	Ø	load kg	kg	PU
130064	6-35	3-8	1000	0,890	1
130066	16-70	4-12	1400	1,262	1
130068	50-100	8-16	2500	1,920	1

Tackle blocks

made from steel, with turnable hooks, 2 blocks, rust protected finish, with 3 brass rolls

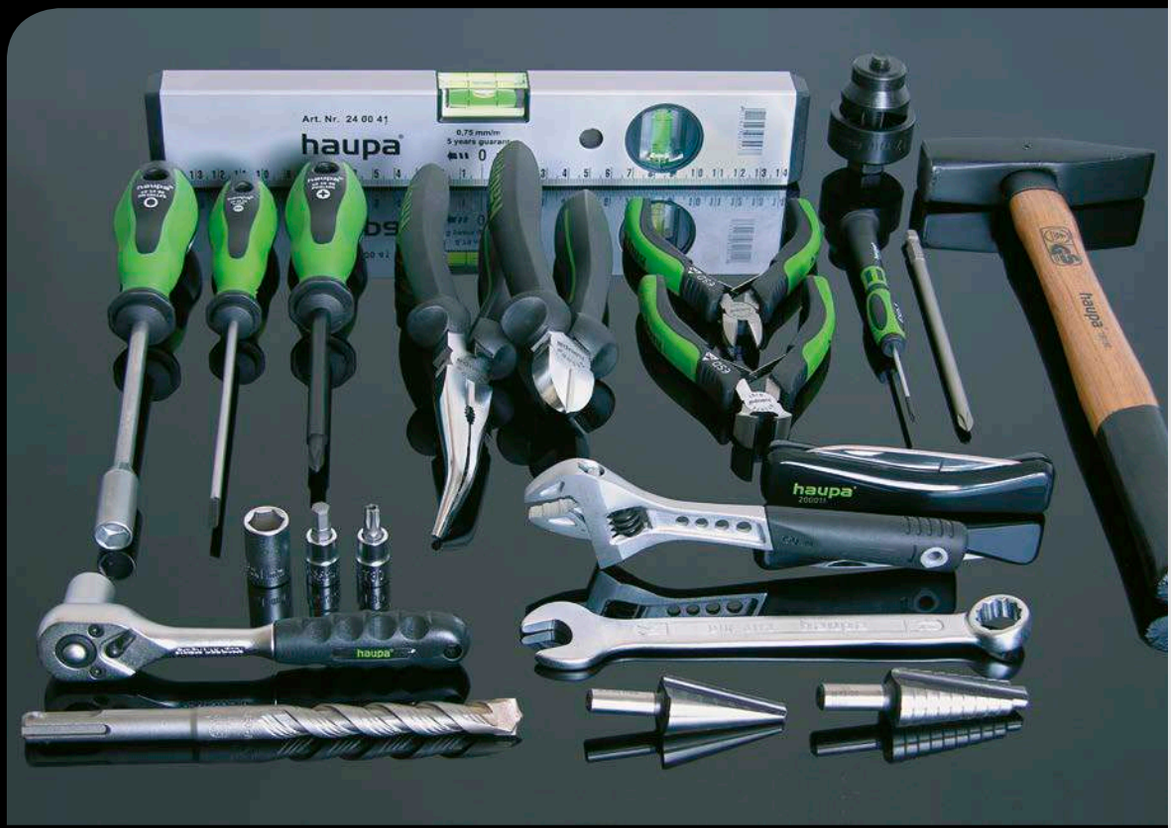
Art. no.	roll-Ø	rope-Ø	load kg	kg	PU
130004	50	8	200	1,820	1
130006	60	10	250	1,700	1

Hemp tackle block ropes

made of hemp, 20 m long

Art. no.	rope-Ø	kg	PU
130042	8	0,950	1
130044	10	1,519	1

Standard tools



haupa®
... convincing solutions

INFO

Screwdrivers range **Industrial quality**

The HAUPA screwdriver series features:

- homogenous size adjustment of the screwdriver handles for better power transmission. Enlargement of soft zone
- elegant, ergonomically shaped, non-slip 2-component handles made from PP/TPE material
- injected blade profile, for easy access in the tool case. Abrasion not possible!
- magnetic blade for secure hold of screws High-gripsystem
- blade made from molybdenum vanadium steel
- an addition anti-slip protection on Phillips profiles prevents the tool from slipping out of the screw

Electricians' screwdrivers Slot

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, chrome plated with black point

Art. no.		CW	KSt	BL	TL	kg	PU
101604	✸	**2,5**	0,4	75	160	0,027	1
101606		**4**	0,8	100	195	0,051	1
101608		**4**	0,8	125	220	0,054	1
101610		**5**	1,0	150	245	0,067	1
101612		**5**	1,0	175	270	0,069	1
101614		**5**	1,0	200	295	0,074	1

Engineers' screwdrivers Slot

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, chrome plated

Art. no.		CW	KSt	BL	TL	kg	PU
101640		**5**	0,4	75	170	0,056	1
101642	✸	**6**	1,2	100	205	0,090	1
101644		**7**	1,2	125	230	0,109	1
101646		**8**	1,2	150	270	0,160	1
101648		**9**	1,6	175	295	0,170	1
101650		**10**	1,6	200	320	0,238	1

Cross slotted screwdrivers Phillips

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, chrome plated, engraving on the blade ensures extra grip in the screw

Art. no.		size	BL	TL	form	kg	PU
101684		**0**	60	145	PH	0,032	1
101686		**1**	80	175	PH	0,055	1
101688	✸	**2**	100	205	PH	0,087	1
101690		**3**	150	270	PH	0,161	1

Cross slotted screwdrivers Pozidriv

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, chrome plated

Art. no.		size	BL	TL	form	kg	PU
102612		**1**	80	175	PZ	0,055	1
102614	✸	**2**	100	205	PZ	0,088	1
102616		**3**	150	270	PZ	0,160	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Screwdrivers Tx

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, chrome plated with black point

Art. no.	size	BL	TL	form	kg	PU
101229/6	**6**	100	185	TX	0,036	1
101230	**8**	100	185	TX	0,036	1
101200	**9**	100	185	TX	0,036	1
101202	**10**	100	195	TX	0,057	1
101204	**15**	100	195	TX	0,054	1
101206	**20**	100	195	TX	0,058	1
101208	**25**	125	195	TX	0,064	1
101210	**27**	125	230	TX	0,093	1
101211	**30**	150	255	TX	0,093	1

Screwdrivers Square

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, chrome plated with black point

Art. no.	size	BL	TL	form	kg	PU
103130	**0**	60	145	SQ	0,032	1
103132	**1**	80	175	SQ	0,055	1
103134	**2**	100	205	SQ	0,087	1
103136	**3**	150	270	SQ	0,161	1

Screwdriver set Tx

screwdriver set Tx with security pin, with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, chrome plated, 5-pieces.

Contents:
1 screwdriver each
Tx 10, Tx 15, Tx 20, Tx 25, Tx 30

Art. no.	form	set	kg	PU
101212/S ✸	TX	**5-pieces**	0,337	1

Electricians' screwdrivers Slot

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered

Art. no.	CW	KSt	BL	TL	kg	PU
101520 ✸	**2,5**	0,4	75	160	0,027	1
101521	**3**	0,5	100	195	0,030	1
101522	**4**	0,8	100	195	0,051	1
101524	**4**	0,8	125	220	0,054	1
101526	**5**	1,0	150	245	0,068	1
101528	**5**	1,0	175	270	0,072	1
101530	**5**	1,0	200	295	0,078	1

Engineers' screwdrivers Slot

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered

Art. no.	CW	KSt	BL	TL	kg	PU
101532	**5**	1,0	75	170	0,057	1
101534	**6**	1,2	100	205	0,091	1
101536	**7**	1,2	125	230	0,114	1
101538	**8**	1,2	150	270	0,146	1
101540	**9**	1,6	175	295	0,210	1
101541	**10**	1,6	200	320	0,214	1

Cross slotted screwdrivers Phillips

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered, engraving on the blade ensures extra grip in the screw

Art. no.	size	BL	TL	form	kg	PU
101542	**0**	60	145	PH	0,032	1
101544	**1**	80	175	PH	0,059	1
101546 ✸	**2**	100	205	PH	0,091	1
101548	**3**	150	270	PH	0,147	1

Cross slotted screwdrivers Pozidriv

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered

Art. no.	size	BL	TL	form	kg	PU
101550	**1**	80	175	PZ	0,056	1
101552 ✸	**2**	100	205	PZ	0,088	1
101554	**3**	150	270	PZ	0,146	1

Screwdrivers - blade PCV covered

Screwdriver set

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered.

Contents:
2 electricians' screwdrivers
2 engineers' screwdrivers
2 screwdrivers Phillips

Art. no.	form	set	kg	PU
101560	Phillips	**6-pieces**	0,431	1

Screwdriver set

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, blade black PVC covered.

Contents:
2 electricians' screwdrivers
2 engineers' screwdrivers
2 screwdrivers Pozidriv

Art. no.	form	set	kg	PU
101562	Pozidriv	**6-pieces**	0,429	1

Screwdrivers

Stubby gasifier screwdrivers

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished

Art. no.	CW	BL	TL	kg	PU
103120	**6**	30	80	0,050	1
103122	**8**	40	90	0,051	1

Stubby gasifier cross slot screwdrivers Phillips

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished

Art. no.	size	BL	TL	form	kg	PU
103080	**1**	30	80	PH	0,051	1
103082	**2**	40	90	PH	0,051	1

Piercing awls

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished

Art. no.	Ø	BL	form	kg	PU
103470	**6**	100	round	0,083	1
103472	**6**	100	square	0,085	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Socket wrenches

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished

Art. no.	WS	BL	TL	kg	PU
101484	**5**	125	220	0,105	1
101486	**5,5**	125	220	0,107	1
101488	**6**	125	220	0,110	1
101490	**7**	125	230	0,113	1
101492	**8**	125	230	0,115	1
101494	**9**	125	230	0,120	1
101496	**10**	125	230	0,124	1
103498	**11**	125	245	0,145	1
101500	**12**	125	245	0,165	1
101502	**13**	125	245	0,171	1

Socket wrenches set

with 2-component handle made from PP/TPE material, blade made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, 7-pieces.

Contents: 1 piece each
5 - 5,5 - 7 - 8 - 10 - 11 - 13 mm

Art. no.	set	kg	PU
101510	**7-pieces**	0,898	1

Industrial screwdriver set „Vario S2“ with replaceable dual blades.

2-component screwdriver shaft with 10 interchangeable blades, hexagonal, Material: bit steel S2, (chrome silicon manganese molybdenum vanadium steel), in robust nylon bag (with belt loop and hook and loop closure). To also use blades in the cordless screwdriver, as a long bit with a blade length of 175 mm. Loose interchangeable blades can be found on page 261.

Blade types:
Slotted 3, 4, 5, 7
Phillips 0, 1, 2, 3
Pozidriv 0, 1, 2, 3
Tx 10, 15, 20, 25
Hexagonal 2, 3, 4, 5

Art. no.	set	shank	kg	PU
104008	**11-pieces**	hexagonal	1,060	1

haupa®
... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

INFO

Dynamometric screwdriver with replaceable blades

The new HAUPA 1000 V VarioTQ dynamometric screwdriver is characterised by its precision and functionality.

The ergonomic handles can be adjusted individually.
1. 1.0 - 6.0 Nm
2. 0.5 - 3.5 Nm

HAUPA offers all relevant blade tip profiles as individual items and in set form in a high-quality nylon case.

VarioTQ

- torque can be set using a separate key
- scale value can easily be read off
- clearly perceptible and audible signal when the set torque is achieved
- torque accuracy according to EN ISO 6789:2013-10

Replaceable dual blades
made from molybdenum-vanadium steel, sanded blade, hardened, blast-finished, chrome plated with black point

Precisely adjustable torque

Two handle versions, also available individually:

Art. no. 103070
1.0 - 6.0 Nm

Art. no. 103072
0.5 - 3.5 Nm

„VarioTQ“ dynamometric screwdriver with replaceable blades

VarioTQ

replaceable dual blades made from molybdenumvanadium steel, sanded blade, hardened, blast-finished, chrome plated with black point, with hexagonal shaft, in robust nylon bag (with belt loop and hook and loop closure), 10 replaceable blades (20 profiles)

Contents:
- 2-component exchangeable handle 1 - 6 Nm or 0,5 - 3,5 Nm
- slotted 3/4 – 5,5/6,5
- PH0/PH1
- PZ0/PZ1
- PH2/PZ2
- TX 10/15 – 20/25
- HEX 2/3 – 4/5
- PZ/FL1
- PZ/FL2
- Square socket key

PREMIUM

Video 103000

TQ

Art. no.	form	Nm	set	kg	PU
103000	Mix	**1 - 6**	12-pieces	0,765	1
103002	Mix	**0,5 - 3,5**	12-pieces	0,765	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

HAUPA replaceable blade system „VarioTQ“

Replaceable blade

insulated replaceable blade made from molybdenum vanadium steel, hardened, blasted, individually tested, for art. 103000, 103002, 104008, 103070, 103072. Can also be used in cordless screwdrivers.

Replaceable blade – pozidrive blade/slotted

Art. no.	form	size	BL	kg	PU
103028	**PZ/FL**	1 + 2	175	0,040	1

Replaceable blade – slotted blade

Art. no.	form	CW	BL	kg	PU
103010	**SL**	3 + 4	175	0,040	1
103012	**SL**	5,5 + 6,5	175	0,040	1

Replaceable blade – Phillips blade

Art. no.	form	size	BL	kg	PU
103014	**PH**	0 + 1	175	0,040	1

Replaceable blade – pozidrive blade

Art. no.	form	size	BL	kg	PU
103016	**PZ**	0 + 1	175	0,040	1

Replaceable blade – Phillips blade/pozidrive blade

Art. no.	form	size	BL	kg	PU
103018	**PH + PZ**	2 + 2	175	0,040	1

Replaceable blade – torx blade

Art. no.	form	size	BL	kg	PU
103020	**TX**	10 + 15	175	0,040	1
103022	**TX**	20 + 25	175	0,040	1

Replaceable blade – hex blade

Art. no.	form	size	BL	kg	PU
103024	**HEX**	2 + 3	175	0,040	1
103026	**HEX**	4 + 5	175	0,040	1

Replaceable blade – Square

Art. no.	form	size	BL	kg	PU
103030	**SQ**	0 + 2	175	0,185	1
103032	**SQ**	1 + 3	175	0,185	1

Replacement blades suitable for the "VarioTQ" and "Vario S2" systems

„VarioTQ“ nylon bag – empty

Robust nylon bag (with belt loop) wide hook and eye fastening and loop for hanging up

Art. no.		kg	PU
103034	**empty**	0,080	1

Exchangeable „VarioTQ“ handle

automatic locking mechanism ensures that blades do not fall out unexpectedly, ergonomically formed 2 component book of PP/TPE material, precisely adjustable torque

TQ

Art. no.	TL	Nm	kg	PU
103070	125	**1 - 6**	0,185	1
103072	125	**0,5 - 3,5**	0,185	1

Square socket key

for adjustment of the torque for VarioTQ replacement blades

Art. no.	form	BL	BL	kg	PU
102784	SQ	40	8	0,056	1

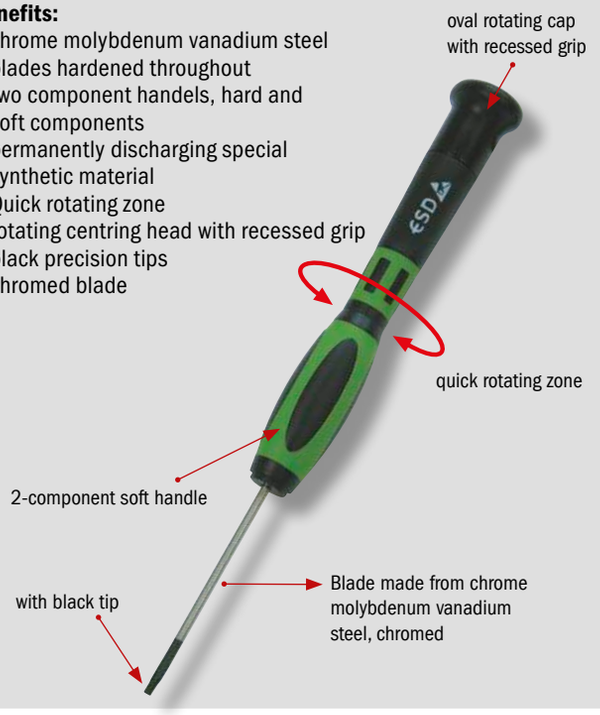
INFO

ESD electronic screwdrivers

Now with 2-component handle, these screwdrivers do not just convince because of their homogenous design, but also because of their user-friendly handle.

Benefits:

- chrome molybdenum vanadium steel
- blades hardened throughout
- two component handels, hard and soft components
- permanently discharging special synthetic material
- Quick rotating zone
- rotating centring head with recessed grip
- black precision tips
- chromed blade



Security advice:
HAUPA ESD screwdrivers are not insulating and therefore unsuitable for work with live parts.

ESD electronic screwdrivers

Blade made from chrome molybdenum vanadium steel, chromed with black tip, slotted

Art. no.	CW	BL	TL	kg	PU
100704	**0,8**	60	150	0,023	1
100250	**1,0**	50	150	0,014	1
100704 A	**1,2**	60	150	0,021	1
100241	**2,5**	60	150	0,015	1
100243	**3,5**	100	150	0,018	1
100252	**1,6**	50	150	0,014	1
100257	**2,0**	50	150	0,015	1
100259	**2,4**	75	175	0,017	1
100261	**3,0**	100	200	0,020	1

ESD electronic screwdrivers

Blade made from chrome molybdenum vanadium steel, chromed with black tip, cross recess, Philipps

Art. no.	size	BL	TL	form	kg	PU
100714	**000**	50	150	PH	0,015	1
100715	**00**	50	150	PH	0,022	1
100716	**0**	50	150	PH	0,024	1
100249	**1**	50	150	PH	0,017	1

ESD electronic screwdrivers

Blade made from chrome molybdenum vanadium steel, chromed with black tip, hexagonal

Art. no.	size	BL	TL	form	kg	PU
100728	**1,5**	50	150	HEX	0,014	1
100729	**2,0**	50	150	HEX	0,015	1
100729 A	**2,5**	50	150	HEX	0,017	1
100736	**3,0**	50	150	HEX	0,020	1

ESD electronic screwdrivers

Blade made from chrome molybdenum vanadium steel, chromed with black tip, Tx/Safety Tx

Art. no.	size	BL	TL	form	kg	PU
100741	**4**	50	150	TX	0,017	1
100742	**5**	50	150	TX	0,018	1
100718 A	**6**	50	150	TX	0,018	1
100720	**7**	50	150	S-TX	0,014	1
100721	**8**	50	150	S-TX	0,018	1
100712	**9**	50	150	S-TX	0,018	1
100713	**10**	50	150	S-TX	0,016	1
100723	**15**	50	150	S-TX	0,020	1
100734	**20**	50	150	S-TX	0,020	1

ESD electronic screwdrivers

Blade made from chrome molybdenum vanadium steel, chromed with black tip, Tri-Wing

Art. no.	size	BL	TL	kg	PU
100738	**2,4**	50	150	0,017	1

ESD electronic screwdriver set

Blade made from chrome molybdenum with 2-component handles, 7-pieces, slotted/cross recess.

Contents:
1 ESD electronic screwdriver each 1.6 x 50, 2.0 x 50, 2.4 x 50, 3.0 x 50 and 1 Phillips size 1. 0 and 00 x 50 each

Art. no.	set	kg	PU
104010	**7-pieces**	0,225	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

HAUPA Electronic screwdriver set standard

chrome vanadium steel, chrome-plated, with large plastic handle, with black point, 7 pieces.

Contents:
1 Electricians' screwdriver size 1.6 x 50, 2.0 x 50, 2.4 x 50, 3.0 x 50, and 1 Phillips size 1, 0 and 00 x 50

Art. no.		set	kg	PU
104000	✷	**7-pieces**	0,221	1

Electronic screwdriver set

Chrome vanadium steel, screw holder with black /green plastic handle, 4 x hex head 3, 4, 5, 6 and 8 exchangeable screwdriver blades (slot/Phillips/Tx /hex head)

Art. no.	set	kg	PU
104004	**13-pieces**	0,288	1

Electronic screwing bit set

Chrome vanadium steel, screw holder with black/green plastic handle, 1 bit holder, 2 nuts of 5 + 6 mm, 30 bits for slot/Phillips/Pozidriv/Tx/hex head

Art. no.		set	kg	PU
104002	✷	**34-pieces**	0,230	1

Claw retrievers

with inflexible shaft, chrome-plated, for gripping and retrieving of small parts in normally inaccessible places

Art. no.	TL	kg	PU
100366	525	0,050	1

Checking mirrors

with double ball joint

Art. no.	TL	Ø	kg	PU
100680	210	60	0,028	1

Magnetic retriever

flexible shaft and plastic handle

Art. no.	TL	Ø	kg	PU
100694	520	12	0,097	1

Allen keys

Allen keys set

chrome vanadium steel, (59 Cr-Mo-V 4), DIN 911, chrome plated, on key ring.

Contents:
size 2,5 - 3 - 4 - 5 - 6 - 8 - 10

Art. no.		size	quantity	kg	PU
100640	✸	2,5-10	8	0,250	1

Allen keys set

chrome vanadium steel, (59 Cr-Mo-V 4), im metal clip, key bronzed, DIN 911.

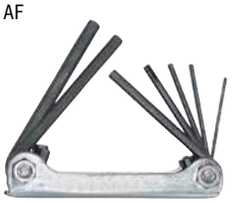
Contents:
Art. 100630: 2,5-3-4-5-6-8 mm
Art. 100633: 1,5-2,5-3-4-5-6 mm
Art. 100634: 2,5-3-4-5-6-8-10 mm

Art. no.	size	quantity	kg	PU
100630	2,8-8	6	0,249	1
100633	1,5-6"	7	0,145	1
100634	2,5-10"	7	0,335	1

Allen keys set

chrome vanadium steel, (59 Cr-Mo-V 4), im metal clip, key bronzed, DIN 911.

Contents:
Art. 100632: 3/32-1/8-5/32-3/16-1/4-5/16“ AF
Art. 100635: 1/16-5/64-3/32-1/8-5/32-3/16-7/32” AF
Art. 100636: 3/32-1/8-5/32-3/16-1/4-5/16-3/8“ AF



Art. no.	size	quantity	kg	PU
100632	3/33"-5/16"	6	0,251	1
100635	1/16"-7/32"	7	0,135	1
100636	3/32"-3/8"	7	0,328	1

Key set Tx

chrome vanadium steel, (59 Cr-Mo-V 4), in metal-clip, surface black, keys black.

Contents:
TX 9 - 10 - 15 - 20 - 25 - 27 - 30 - 40

Art. no.	size	quantity	kg	PU
100943	TX9 - 40	8	0,260	1

Ball point allen keys

chrome vanadium steel, (59 Cr-Mo-V 4), im metal clip, black keys, DIN 911

Contents:
size 2.5 - 3 - 4 - 5 - 6 - 8 - 10

Art. no.	size	quantity	kg	PU
100917	2,5-10	7	0,334	1

Allen keys set

chrome vanadium steel, (59 Cr-Mo-V 4), chrome plated, DIN 911, 8 pieces in handy plastic box, with sliding plexiglasscover.

Contents:
size 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10

Art. no.	size	quantity	kg	PU
100585	2-10	8	0,303	1

Ball point allen keys

chrome vanadium steel, (59 Cr-Mo-V 4), DIN 911, chrome-plated, 8 pieces in handy plastic box, with pushable plexiglasscover.

Contents:
size 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10

Art. no.	size	quantity	kg	PU
100915	2-10	8	0,301	1

Allen keys set Tx

chrome vanadium steel, (59 Cr-Mo-V 4), 8 pieces in handy plastic box, surface black.

Contents:
TX 9 - 10 - 15 - 20 - 25 - 27 - 30 - 40

Art. no.	size	quantity	kg	PU
100941	TX9 - 40	8	0,205	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Hexagon screwdriver set T-handle, with spherical head

Made from chrome vanadium steel, completely hardened, chrome plated with 2-component handle, hexagonal with spherical head.

Contents:
WS: Hex 2, 2.5, 3, 4, 5, 6, 8, 10

Art. no.	size	quantity	kg	PU
100961	2-10	8	0,400	1

Hexagon angle screwdriver set, with spherical head

Made from chrome vanadium steel, completely hardened, nickel plated, **extra long**, metric, with spherical head, in folding holder.

Contents:
WS: Hex 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10

Art. no.		size	quantity	kg	PU
100921	✷	1,5-10	9	0,300	1

Hexagon angle screwdriver set, with spherical head

Made from chrome vanadium steel, blades hardened throughout, nickel plated, **extra long**, metric or AF, with spherical head, in folding holder.

Content metric:
WS: Hex 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10

Content AF:
WS: Hex 1/16 - 5/64 - 3/32 - 1/8 - 5/32 - 3/16 - 1/4 - 5/16 - 3/8"

Art. no.		size	quantity	kg	PU
100965	✷	1,5-10	9	0,420	1
100967		1/16"-3/8"	9	0,420	1

Hexagon angle screwdriver set, with spherical head

Made from chrome vanadium steel, blades hardened throughout, nickel plated, metric or AF, with spherical head, in folding holder.

Content metric:
WS: Hex 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10

Art. no.	size	quantity	kg	PU
100927	1,5-10	9	0,420	1

Allen keys DIN 911

chrome vanadium steel, (59 Cr-Mo-V 4), DIN 911, chrome plated

Art. no.	TL	WS	Inch	kg	PU
100590	45x14	1,5	1/16"	0,020	1
100592	50x16	2	5/64"	0,020	1
100594	56x18	2,5	3/32"	0,020	1
100596	63x20	3	1/8"	0,030	1
100598	70x25	4	5/32"	0,080	1
100600	80x28	5	3/16"	0,019	1
100602	90x32	6	1/4"	0,028	1
100606	100x36	8	5/16"	0,058	1
100610	112x40	10	3/8"	0,099	1
100612	125x45	12		0,160	1
100614	132x50	13	1/2"	0,202	1

Ball point allen keys

chrome vanadium steel, (59 Cr-Mo-V 4), DIN 911, chrome plated

Art. no.	TL	WS	Inch	kg	PU
100902	56x18	2,5	3/32"	0,003	1
100903	63x20	3	1/8"	0,005	1
100904	70x25	4	5/32"	0,011	1
100905	80x28	5	3/16"	0,019	1
100906	90x32	6	1/4"	0,029	1
100908	100x36	8	5/16"	0,058	1
100909	112x40	10	3/8"	0,102	1

Voltage testers

VDE/GS-Voltage testers, VDE-tested 0426/72

with clear-transparent, shock-resistant plastic handle.
Art. No. 100646, 100648 each in wallet
Art. No. 100647, 100649 loose

Art. no.		BL	TL	TMA	kg	PU
100646		50x3	140	100-250	0,020	1
100647	✸	50x3	140	100-250	0,016	1
100648		100x3,5	190	100-250	0,037	1
100649		100x3,5	190	100-250	0,032	1

Voltage tester

Finnish type, Cellidor, only available for Finland

Art. no.	BL	TL	TMA	kg	PU
100645	50x3	140	150-250	0,016	1

Voltage testers VDE/GS

5 mm surrounding hand-protection, clip of insulating material, fixed installed scale with dark background

Art. no.		BL	TL	TMA	kg	PU
100700	✸	-	190	125-250	0,036	1

INFO

Bits **Industrial quality**

HAUPA-Bits are made of high-alloyed tool steel, best hardened (H Rc 60 - 63). They show very high tenacity and tolerance. The long life speakes of the hard use and quality.

1 box = 10 pieces (self-service packaging)

Screwdriver bits

DIN 3126, form E 6,3, shank 1/4“, 10 pieces in box

Art. no.	size	CW	TL	kg	PU
102110	0,6x4,5	4,5	50	0,104	1
102112	0,8x5,5	5,5	50	0,115	1

Screwdriver bits

DIN 3126, form E 6,3, shank 1/4“, 10 pieces in box

Art. no.	size	TL	kg	PU
102152	PH 1	25	0,062	1
102154	PH 2	25	0,067	1
102114	PH 1	50	0,105	1
102116	PH 2	50	0,124	1
102164	PH 1	90	0,180	1
102166	PH 2	90	0,097	1
102172	PH 1	150	0,251	1
102174	PH 2	150	0,358	1

Screwdriver bits, reduced

DIN 3126, form E 6,3, shank 1/4“, 10 pieces in box
for PH 1 and PH 2

Art. no.	size	TL	kg	PU
102155	2	25	0,064	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Screwdriver bits

DIN 3126, form E 6.3, shank 1/4“, 10 pieces in box

Art. no.		size	TL	kg	PU
102176		PZ 1	25	0,062	1
102178	✸	PZ 2	25	0,065	1
102180		PZ 1 TiN	25	0,062	1
102182		PZ 2 TiN	25	0,066	1
102118		PZ 1	50	0,107	1
102120		PZ 2	50	0,123	1
102184		PZ 1 TiN	50	0,106	1
102186		PZ 2 TiN	50	0,122	1
102188		PZ 1	90	0,179	1
102190		PZ 2	90	0,231	1
102192		PZ 1 TiN	90	0,177	1
102194		PZ 2 TiN	90	0,229	1
102196		PZ 1	150	0,257	1
102198		PZ 2	150	0,360	1

Screwdriver bits Tx

DIN 3126, form E 6.3, shank 1/4“, 10 pieces in box

Art. no.	size	TL	kg	PU
102200	Tx 15	25	0,061	1
102202	Tx 20	25	0,063	1
102204	Tx 25	25	0,065	1
102208	Tx 30	25	0,070	1
102122	Tx 15	50	0,100	1
102124	Tx 20	50	0,110	1
102126	Tx 25	50	0,112	1

Bits for PZ slot profile

The PZ/FL profile can only be used for combination screws that were previously screwed with a slot or recessed head PZ type screwdriver. The screws have an inner PZ profile with an additional cross slot that also allows it to be screwed with a slot screwdriver

1 PU (packaging unit) = 2 pieces

Art. no.	size	TL	kg	PU
101874	1	60	0,012	1
101876	2	60	0,013	1
101880	1	90	0,179	1
101882	2	90	0,231	1

Magnetic holder

with strong magnetic, shank 1/4“, form C 6,3 DIN 3126, for holding the screws, socket made of stainless steel, suitable for all

Art. no.	TL	kg	PU
102130	75	0,056	1

SDS magnetic holder

with strong permanent magnet, bit holder 1/4”, form C 6.3 DIN 3126, to hold screws, rust-free, stainless steel sleeve, suitable for SDS bits holders

Art. no.	TL	kg	PU
102131	55	0,045	1

Magnetic holder

with strong magnetic, shank 1/4“, form C 6.3 DIN 3126, for holding the screws, socket made of stainless steel, with inside ring, suitable for all

Art. no.	TL	kg	PU
102132	75	0,045	1
102134	60	0,040	1

„BitBox“, 25 mm, 17-pieces

BitBox

Description:
- Belt clip
- Ergonomic (with the opening of the box the bits will be moved in 45° angle, easy pick up position)
- A special mechanism fixes the bits even in an up side down position

Contents:
Screwdriver bits, form E 6.3, shank 1/4", 25 mm
PH: 1, PH 2, PH 3
PZ: 1, PZ 2, PZ3
Tx: 10, T 15, T 20, T 25
slotted: 4.0 (0.5), 5.0 (0.8), 5.0 (1.0), 6.0 (1.0)
hexagon: 4.0, 5.0, 6.0
Magnetic holder 60 mm

Art. no.	Bit	set	kg	PU
102210 ✸	= 25 mm	**17-pieces**	0,170	1

„BitBox S“, 50 mm, 7-pieces

BitBox

50 mm 1/4" bits in plastic box

Contents:
1 bit PH 1, 2
1 bit PZ 1, 2
1 bit PZ/FL 1, 2
1 bit Slot 4

360° | 102216

Art. no.	Bit	set	kg	PU
102216	50 mm	**7-pieces**	0,105	1

„BitBox L“, 25 mm, 46-pieces

BitBox

Robust black plastic box, premium quality secure and special S2 bit set!
1/4" = 25 mm bits

PREMIUM

Contents:
1 compact reversible ratchet 1/4“
11 socket wrench inserts 4 -12 1/4“
1 short extension 1/4“
1 1/4“ adapter for bits
1 1/4“ extension for use as a T-handle
1 adapter with 1/4“ bit collet for all driver type
5 bits PH 0, 1, 2, 2, 3
5 bits PZ 0, 1, 2, 2, 3
5 bits Slot 3, 3.5, 4.5, 5.5, 6.5
4 bits Internal hexagonal bolt 3, 4, 5, 6
11 bits Tx 6, 7, 8, 9, 10, 15, 20, 25, 27, 30, 40

Art. no.	Bit	set	kg	PU
102214	= 25 mm	**46-pieces**	0,170	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

HAUPA „BitBox+“

BitBox+

Sturdy black plastic polypropylene, the constant hinge gives maximum stability. Safety and special bit set - top quality S2!
1/4" = 25 mm Bits

Contents:.
1/4" 25 mm Power bits PH: 2x 0, 2x 1, 4x 2, 2x 3
1/4" 25 mm Power bits PZ: 2x 0, 2x 1, 4x 2, 2x 3
1/4" 25 mm Power bits TX: T10, T15, T20, T25
1/4" 25 mm Power bits HEX: H3, H4, H5, H6
1/4" 25 mm Power bits R: 1, 2, 3

Chrom - Silizium - Mangan S2 Molybdän-Vanadium

Video 102212

Art. no.	bit	set	kg	PU
102212	= 25 mm	**32-pieces**	0,400	1

Ratchet screwdriver set „Flex“

Flex

Ratchet screwdriver with right/left hand motion. Adjustable operating angle of 180°. Safety and special bit set - top quality S2! The screwing grasp also Quick change penholder and 2-components Handle provides for anti-slip and fatigue-free working. The ergonomic form and the soft zones within the pressure area range make a relaxed possible screws. With hanging up hole.
Only for 1/4", = 25 mm Bits.

Advantages:
- Ratchet function
- Left/clockwise rotation adjustable
- Bending bar: 0°– 45°– 90°
- Ergonomic working within restrained ranges
- S2 steel industry bit for nearly all applications
- 2-components handle
- 55 bits ¼" 25 mm and 1 adapter for ¼" nut

Video 104006

Chrom - Silizium - Mangan S2 Molybdän-Vanadium

Art. no.	bit	set	kg	PU
104006 ✷	= 25 mm	**58-pieces**	0,810	1

Ratchet screwdriver „FlexPlus“, for all bits

FlexPlus

Ratchet screwdriver with right/left hand motion. Adjustable operating angle of 180°. Safety and special bit set - top quality S2! The screwing grasp also Quick change penholder and 2-components Handle provides for anti-slip and fatigue-free working. The ergonomic form and the soft zones within the pressure area range make a relaxed possible screws. With hanging up hole.

PREMIUM

Art. no.	bit	kg	PU
104009	**≥ 25 mm**	0,216	1

Ratchet screwdriver set „FlexBag“ with 50 mm S2 bits and reduced shank

FlexBag

PREMIUM

Ratchet screwdriver with right/left hand motion. Adjustable operating angle of 180°. Safety and special bit set - top quality S2! The screwing grasp also Quick change penholder and 2-components Handle provides for anti-slip and fatigue-free working. The ergonomic form and the soft zones within the pressure area range make a relaxed possible screws. With hanging up hole.

Contents:
1/4" 50 mm Power bits Tx: T5, T6, T7, T8, T9, T10, T15, T20, T25, T30, T40
1/4" 50 mm Power bits Hex (hole): H2, H2.5, H3, H4, H5, H6
1/4" 50 mm Power bits PH: 0, 1, 2, 3
1/4" 50 mm Power bits PZ: 0, 1, 2, 3
1/4" 50 mm Power bits slot: 3, 4, 5, 6, 7, 8
1/4" 50 mm Power bits SQ: 0, 1, 2, 3
1/4" 50 mm Power bits Tri-Wing: 1, 2, 3
1/4" 50 mm Power bits PZ/FL 1 & 2
Above bits are in reduced shank except T40, H6,
flat: 6, 7, 8 in full hex shank
2 pcs. Adapters: 1/4" 50 mm, 1/4" 80 mm
8 pcs. sockets: 5, 5.5, 6, 7, 8, 10, 12, 13
1 pc of FlexPlus ratcheting driver

Video 104020

Art. no.		bit	set	kg	PU
104020	✸	= 50 mm	**51-pieces**	0,810	1

Ratchet screwdriver set „FlexBox“

FlexBox

PREMIUM

Sturdy black plastic polypropylene, the constant hinge gives maximum stability. Ratchet screwdriver with right/left hand motion. Adjustable operating angle of 180°. Safety and special bit set - top quality S2! The screw handle with quick ejection and 2 components ensures non-Slip and fatiguefree working. The ergonomic shape and the soft zones quarantee relaxed screwing. With hanging up hole.
Only for 1/4" = 50 mm Bits.

Contents:
1/4" 50 mm Power bits SL: 4, 6
1/4" 50 mm Power bits PZ: 1, 2
1/4" 50 mm Power bits PZ/FL 1 + 2
1/4" 50 mm Power bits Hex: H5, H6
1 pc of „FlexPlus“ ratcheting driver

Video 104030

Art. no.		bit	set	kg	PU
104030		= 50 mm	**9-pieces**	0,350	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

Socket sets

haupa®
... convincing solutions

Double ended spanners acc. to DIN 3110

chrome vanadium steel, chrome plated, head polished, offset at 15°

Art. no.	TL	WS	strength	kg	PU
110090	120	6 - 7	3,2	0,240	1
110092	140	8 - 9	3,5	0,340	1
110094	157	10 - 11	4,0	0,590	1
110096	172	12 - 13	4,5	0,057	1
110100	190	14 - 15	5,0	0,760	1
110104	205	16 - 17	5,5	0,144	1
110108	223	18 - 19	6,0	0,182	1
110112	250	21 - 23	7,0	0,212	1
110114	250	24 - 26	7,0	0,273	1
110120	302	27 - 32	8,2	0,519	1

Double ended spanners set acc. to DIN 3110

chrome vanadium steel, chrome plated, head polished, plastic holder included.

Art. no.	WS	set	kg	PU
110130	6-22	**8-pieces**	0,940	1
110132	6-32	**12-pieces**	2,353	1

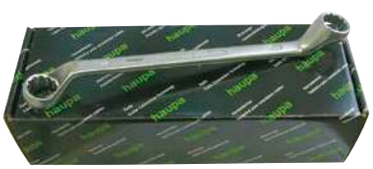
Double ended ring spanners to DIN 838

chrome vanadium steel, chrome plated, head polished, offset at 75°

Art. no.	TL	WS	kg	PU
110140	170	6 - 7	0,035	1
110142	185	8 - 9	0,066	1
110144	205	10 - 11	0,075	1
110146	220	12 - 13	0,107	1
110148	240	14 - 15	0,154	1
110152	265	16 - 17	0,175	1
110154	280	18 - 19	0,297	1
110160	335	24 - 26	0,468	1
110164	370	27 - 32	0,611	1

Double ended ring spanner sets DIN 838

chrome vanadium steel, chrome plated, head polished, in paper box



Art. no.	WS	set	kg	PU
110170	6-22	**8-pieces**	1,289	1
110172	6-32	**12-pieces**	2,451	1

Combination spanners similar to DIN 3113

chrome vanadium steel, chrome plated, head polished, offset at 15°

Art. no.	TL	WS	kg	PU
110180	100	6	0,016	1
110182	110	7	0,021	1
110184	120	8	0,028	1
110186	130	9	0,036	1
110188	140	10	0,043	1
110190	150	11	0,058	1
110192	160	12	0,061	1
110194	170	13	0,081	1
110196	180	14	0,075	1
110198	190	15	0,087	1
110202	210	17	0,160	1
110204	220	18	0,164	1
110206	230	19	0,187	1
110212	260	22	0,266	1
110216	280	24	0,316	1
110222	310	27	0,401	1

Combination spanners similar to DIN 3113

chrome vanadium steel, chrome plated, head polished, plastic holder included.

Art. no.		WS	set	kg	PU
110250	✸	6-22	**12-pieces**	1,144	1

Combination spanners similar to DIN 3113

chrome vanadium steel, chrome plated, head polished, in roll bag with eyes for hanging.

Art. no.	WS	set	kg	PU
110252	6-27	**16-pieces**	1,948	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Open-jawed ring wrench with ratch function

Open-jawed ring wrench with ratch function made from chromium-vanadium steel, chromed surface, polished, fine-toothed, 72 teeth, swing angle 5°, DIN 3113, ISO 3318, in a practical plastic box with metal catch, wrench size 8 - 9 - 10 - 12 - 13 - 14 - 17 - 19 mm

Art. no.	WS	set	kg	PU
110900 ✷	8-19	**8-piece**	1,255	1

Open-jawed ring wrench with ratch function

made from chromium-vanadium steel, chromed surface, polished, fine-toothed, 72 teeth, swing angle 5°, DIN 3113, ISO 3318

Art. no.	TL	WS	kg	PU
110900/8	134	**8**	0,030	1
110900/9	152	**9**	0,060	1
110900/10	157	**10**	0,060	1
110900/12	167	**12**	0,080	1
110900/13	175	**13**	0,100	1
110900/14	190	**14**	0,120	1
110900/17	223	**17**	0,180	1
110900/19	245	**19**	0,200	1

„Flex“ hinged ratchet combination wrench set

Hinged ratchet combination wrench set made of chrome vanadium steel, chromium plated surface, polished, fine-toothed, 72 teeth, with hinge, 180° swivelling head, DIN 3113, ISO 3318, in a practical plastic box with metal catch.

Contents:
Wrench sizes 8 - 9 - 10 - 12 - 13 - 14 - 17 - 19 mm

360° | 110902

Art. no.	WS	set	kg	PU
110902 ✷	8-19		1,255	1

Adjustable single-head wrench

Adjustable single-head wrench with ratch function made from chromium-vanadium steel, forged, chromed, DIN 3117, handle made from TPR, with lasered measuring scale

Art. no.	size	TL	kg	PU
110590	6-19	150	0,160	1
110592 ✷	9-24	200	0,342	1
110594	10-29	240	0,400	1
110596	10-34	300	0,634	1

Adjustable single-head wrench with ratch function

Adjustable single-head wrench with ratch function made from chromium-vanadium steel, fast and effective working, use of singlehead wrench does not need to be discontinued, forged, chromed, DIN 3117, handle made from TPR, with lasered measuring scale, mounting with anti-theft device and function test

Video 110583

Art. no.	size	TL	kg	PU
110583	6-19	150	0,160	1
110585	9-24	200	0,342	1

Express wrench M10

Installation wrench for express and screw bolts with centre element with interior thread for screw bolts sized M10, for the fixture of sinks and corner valves. An integrated spherical seat ensures easy removal of the wrench from the screw bolt. Made from chrome-vanadium steel. For craft and industrial use.

Art. no.	size	TL	kg	PU
110798	17-19	223	0,238	1

haupa®
... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Socket set

1/4"

chrome vanadium steel, industrial quality, black plastic case with metal catch, 1/4".

Contents:
12 Sockets: 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12- 13 mm, 1 ratchet handle, 72 gears with quick release function, 14 insert bit socket PH: 1 - 2 - 3, HX: 3 - 4 - 5 - 6 - 8, TX: 10 - 15 - 20 - 25 - 27 - 30, 1 flexible extension bar, 2 extension bars 50 & 100 mm, 1 universal joint, 1 sliding adapter 3/8" x 1/4" for extension bar work as T handle, 1 spinner handle for screwdriver

Art. no.		set	kg	PU
110674	✸	**33-pieces**	1,051	1

Reversible ratchet 1/4"

1/4"

chrome vanadium steel, industrial quality

Art. no.	drive	TL	kg	PU
110674/K	1/4"	140	0,118	1

Extension 1/4"

1/4"

chrome vanadium steel, industrial quality

Art. no.	drive	TL	kg	PU
110700	1/4"	50	0,024	1
110701	1/4"	100	0,063	1

Flexible extension bar 1/4"

1/4"

chrome vanadium steel, industrial quality

Art. no.	drive	TL	kg	PU
110702	1/4"	100	0,059	1

Sockets 1/4"

■ 1/4"

chrome vanadium steel, industrial quality, square drive

Art. no.	WS	kg	PU
110703/4	**4**	0,010	1
110703/45	**4,5**	0,010	1
110703/5	**5**	0,010	1
110703/55	**5,5**	0,011	1
110703/6	**6**	0,011	1
110703/7	**7**	0,014	1
110703/8	**8**	0,012	1
110703/9	**9**	0,016	1
110703/10	**10**	0,016	1
110703/11	**11**	0,024	1
110703/12	**12**	0,024	1
110703/13	**13**	0,025	1

Sliding adapter 3/8" x 1/4"

3/8" 1/4"

chrome vanadium steel, industrial quality, for extension bar work as T handle

Art. no.	kg	PU
110706	0,029	1

Spinner handle for screwdriver 1/4"

1/4"

chrome vanadium steel, industrial quality

Art. no.	drive	kg	PU
110725	1/4"	0,064	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Universal joint 1/4"

chrome vanadium steel, industrial quality

Art. no.	kg	PU
110726	0,024	1

Insert bit sockets PH 1/4"

chrome vanadium steel, industrial quality

Art. no.	size	kg	PU
110711	1	0,015	1
110727	2	0,015	1
110728	3	0,016	1

Insert bit sockets HEX 1/4"

chrome vanadium steel, industrial quality

Art. no.	WS	kg	PU
110729	**3**	0,015	1
110747	**4**	0,015	1
110749	**5**	0,016	1
110754	**6**	0,018	1
110718	**8**	0,018	1

Insert bit sockets TX 1/4"

chrome vanadium steel, industrial quality

Art. no.	size	kg	PU
110719	10	0,013	1
110720	15	0,015	1
110721	20	0,015	1
110722	25	0,015	1
110723	27	0,015	1
110724	30	0,015	1

Insert bit sockets slot 1/4"

chrome vanadium steel, industrial quality

Art. no.	BL	kg	PU
110759	5,5	0,015	1
110760	7	0,014	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Socket set

3/8"

chrome vanadium steel, industrial quality, black plastic case with metal catch, 3/8".

Contents:
18 Sockets: 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 mm, 1 ratchet handle, 72 gears with quick release function, 1 universal joint, 1 sliding adapter 1/2" x 3/8" for extension bar work as T handle, 2 spark plug sockets 16 & 21 mm, 3 extension bars 20 - 75 - 150 mm

Art. no.	set	kg	PU
110676	**26-pieces**	2,309	1

Reversible ratchet 3/8"

3/8"

chrome vanadium steel, industrial quality

Art. no.	drive	TL	kg	PU
110676/K	3/8"	185	0,260	1

Extension 3/8"

3/8"

chrome vanadium steel, industrial quality

Art. no.	drive	TL	kg	PU
110731	3/8"	20	0,045	1
110733	3/8"	75	0,075	1
110735	3/8"	150	0,143	1

Spark plug sockets 3/8"

3/8"

chrome vanadium steel, industrial quality

Art. no.	WS	kg	PU
110738	**16**	0,092	1
110739	**21**	0,139	1

Sockets 3/8"

3/8"

chrome vanadium steel, industrial quality, square drive

Art. no.	WS	kg	PU
110737/6	**6**	0,019	1
110737/7	**7**	0,020	1
110737/8	**8**	0,021	1
110737/9	**9**	0,023	1
110737/10	**10**	0,023	1
110737/11	**11**	0,024	1
110737/12	**12**	0,024	1
110737/13	**13**	0,024	1
110737/14	**14**	0,031	1
110737/15	**15**	0,040	1
110737/16	**16**	0,035	1
110737/17	**17**	0,046	1
110737/18	**18**	0,061	1
110737/19	**19**	0,056	1
110737/20	**20**	0,066	1
110737/21	**21**	0,060	1
110737/22	**22**	0,078	1
110737/24	**24**	0,085	1

Sliding adapter 1/2" x 3/8"

1/2" 3/8"

chrome vanadium steel, industrial quality, for extension bar work as T handle

Art. no.	kg	PU
110741	0,070	1

Universal joint 3/8"

3/8"

chrome vanadium steel, industrial quality

Art. no.	kg	PU
110745	0,067	1

3/8" internal hexagonal bolt set

3/8"

7-piece, in roll-up case with loop for hanging up, **extra long 150 mm**, with ball end for challenging installation positions

Sizes: 3 - 4 - 5 - 6 - 7 - 8 - 10

Art. no.	set	kg	PU
111737	**7-pieces**	0,067	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Socket sets

Socket set

1/2"

chrome vanadium steel, industrial quality, black plastic case with metal catch, 1/2".

Contents:
20 Sockets: 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 26 - 27 - 28 - 30 - 32 mm, 1 ratchet handle, 72 gears with quick release function, 1 extension bar, safety locking type 250 mm, 1 extension bar 125 mm, 1 sliding T-bar 300 mm, 1 universal joint, 1 sliding adapter 3/8" x 1/2" for extension bar work as T handle

Art. no.	set	kg	PU
110677	**25-pieces**	4,739	1

Reversible ratchet 1/2"

1/2"

chrome vanadium steel, industrial quality

Art. no.	drive	TL	kg	PU
110677/K	1/2"	260	0,560	1

Extension 1/2"

1/2"

chrome vanadium steel, industrial quality

Art. no.	drive	TL	kg	PU
110751	1/2"	75	0,137	1
110752	1/2"	125	0,200	1
110753	1/2"	250	0,388	1

Sockets 1/2"

1/2"

chrome vanadium steel, industrial quality, square drive

Art. no.	WS	kg	PU
110754/10	**10**	0,046	1
110754/11	**11**	0,051	1
110754/12	**12**	0,052	1
110754/13	**13**	0,053	1
110754/14	**14**	0,055	1
110754/15	**15**	0,052	1
110754/16	**16**	0,052	1
110754/17	**17**	0,060	1
110754/18	**18**	0,060	1
110754/19	**19**	0,066	1
110754/20	**20**	0,066	1
110754/21	**21**	0,080	1
110754/22	**22**	0,094	1
110754/24	**24**	0,100	1
110754/26	**26**	0,120	1
110754/27	**27**	0,150	1
110754/28	**28**	0,165	1
110754/30	**30**	0,177	1
110754/32	**32**	0,206	1

Spark plug sockets 1/2"

1/2"

chrome vanadium steel, industrial quality

Art. no.	WS	kg	PU
110755	**16**	0,092	1
110756	**21**	0,141	1

Sliding adapter 3/8" x 1/2"

3/8" 1/2"

chrome vanadium steel, industrial quality, for extension bar work as T handle

Art. no.	kg	PU
110757	0,069	1

Universal joint 1/2"

1/2"

chrome vanadium steel, industrial quality

Art. no.	kg	PU
110758	0,152	1

Socket set

1/2" 1/4"

chrome vanadium steel, industrial quality, black plastic case with metal catch.

Contents:
1/4": 12 Sockets 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm, 1 ratchet handle, 1 universal joint, 1 sliding adapter 3/8" x 1/4" for extension bar work as T handle, 2 extension bars 50 + 150 mm, 1 spinner handle for screwdriver, 12 insert bit sockets: PH: 1-2, HX: 3 - 4 - 5 - 6, FD: 5.5 - 7, TX: 20 - 25 - 27 - 30, 5 Hex keys: 1.25 - 1.5 - 2.0 - 2.5 - 3.0 mm

1/2": 13 sockets 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm, 1 ratchet handle, 2 extension bars 75 + 250 mm, 1 sliding adapter 3/8" x 1/2" for extension bar work as T handle, 2 plug sockets, 1 universal joint

1/4" 1/2"

Art. no.		set	drive	kg	PU
110678	✸	**53-pieces**	1/4"+1/2"	4,385	1

SysCon „SocketMax" 1/2", 1/4"

SysCon

chrome vanadium steel, industrial quality, in ABS plastic box, including HAUPA „FlexPlus" ratchet screwdriver.

Contents:

PREMIUM

1 220370 ABS plastic box „SysCon S"

12 Sockets 1/4" 4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
2 Extensions 1/4" 50 – 150mm
1 Adapter 3/8" x 1/4" for sliding handle
1 Kardanjoint 1/4"
1 Bit adapter 1/4"
1 Reversible ratchet 1/4"
13 Sockets 1/2" 10-11-12-13-14-15-17-19-22-24-27-30-32 mm
2 Extensions 1/2" 75 – 250 mm
1 Adapter 3/8" x 1/2" for sliding handle
1 Kardanjoint 1/2"
1 Reversible ratchet 1/2"
1 Ratchet screwdriver „Flex"
2 Adapter 50 – 80 mm
4 Bit 1/4" 50 mm PH 0 - 1 - 2 - 3
4 Bit 1/4" 50 mm PZ 0 - 1 - 2 - 3
2 Bit 1/4" 50 mm PZ/FL 1 - 2
4 Bit 1/4" 50 mm SL 3 - 4 - 5 - 6 mm
6 Bit 1/4" 50 mm hexagon 2 - 2.5 - 3 - 4 - 5 - 6

1/4" 1/2"

Art. no.	set	empty	kg	PU
220600	**55-pieces**	220370	6,000	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

„SocketFlex“ socket wrench box

1/2" 1/4"

Chrome vanadium steel, industrial quality, black plastic case with metal catch, including HAUPA „FlexPlus“ ratchet screwdriver.

Contents:

12 1/4“ socket wrench inserts 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
2 1/4“ 50 and 150 mm extensions
1 3/8“ x 1/4“ adapter for extending for use as a T-handle
1 1/4“ universal joint
1 bit adapter 4-edge to 1/4“ hexagonal
1 1/4“ reversible wratchet
13 1/2“ socket wrench inserts 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm
2 1/2“ 75 and 250 mm extensions
1 3/8“ x 1/2“ adapter for extending for use as a T-handle
1 1/2“ universal joint
1 1/2“ reversible ratchet
1 Flex ratchet screwdriver
1 adapter 1/4“ x 1/4“ x 50 mm
1 adapter 1/4“ x 1/4“ x 80 mm
4 bits 1/4“, 50 mm, PH 0 - 1 - 2 - 3
4 bits 1/4“, 50 mm, PZ 0 - 1 - 2 - 3
2 bits 1/4“, 50 mm, PZ/FL 1 - 2
4 bits 1/4“, 50 mm, slot 3 - 4 - 5 - 6 mm
6 bits 1/4“, 50 mm, hexagon socket 2 - 2,5 - 3 - 4 - 5 - 6

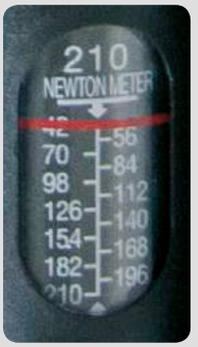
360° | 110672

Art. no.	set	drive	kg	PU
110672	**59-pieces**	1/4"+1/2"	4,500	1

INFO

Torque wrench **Industrial quality**

- With built-in changeover ratchet, accuracy +/- 3%,
- Material: Chrome-Vanadium steel DIN-3122; ISO 6789
- Measuring range from 5 – 25 Nm, 21 – 119 Nm, 42 – 210 Nm
- With viewing window display and locking mechanism
- Easy to read scale
- In impact-proof storage box



Torque wrenches

TQ 1/4"

reversible ratchet system, +/- 3%, Chrome-Vanadium-Steel DIN-3122; ISO 6789

TQ

Art. no.		drive	Nm	kg	PU
110607	✸	1/4"	5 - 25	1,000	1

Torque wrenches

TQ 3/8"

reversible ratchet system, +/- 3%, Chrome-Vanadium-Steel DIN-3122; ISO 6789

TQ

Art. no.	drive	Nm	kg	PU
110605	3/8"	5 - 50	1,000	1

Torque wrenches

TQ 3/8"

reversible ratchet system, +/- 3%, Chrome-Vanadium-Steel DIN-3122; ISO 6789

TQ

Art. no.	drive	Nm	kg	PU
110608	3/8"	20 - 120	1,500	1

Torque wrenches

TQ 1/2"

reversible ratchet system, +/- 3%, Chrome-Vanadium-Steel DIN-3122; ISO 6789

TQ

Art. no.	drive	Nm	kg	PU
110610	1/2"	20 - 120	1,500	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Torque wrenches

TQ 1/2"

reversible ratchet system, +/- 3%, Chrome-Vanadium-Steel DIN-3122; ISO 6789

TQ

Art. no.	drive	Nm	kg	PU
110609	1/2"	42 - 210	1,750	1

SysCon socket wrench set "Torque" ½"

SysCon

chrome vanadium steel, industrial quality, in ABS plastic box.

Contents:

PREMIUM

1 220370 ABS plastic box "SysCon S"

17 sockets ½" 8 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 19 - 21 - 22 - 23 - 24 - 27 - 30 - 32 mm
5 sockets ½" Tx, long version T30, T40, T45, T50, T55
4 sockets ½" Hex, long version 8, 10, 12, 14 without hole
2 extension bar ½", 75 and 250 mm
1 adapter ⅜" x ½" for extension bar work as T-handle
1 universal joint ½"
1 reversible ratchet ½"
1 torque wrenches ½", 21 – 119 Nm

TQ 1/2"

Art. no.	set	empty	kg	PU
220642	**32-pieces**	220370	4,300	1

SysCon socket wrench set "Torque" ¼"

SysCon

chrome vanadium steel, industrial quality, in ABS plastic box, including HAUPA „FlexPlus" ratchet screwdriver.

Contents:

PREMIUM

12 sockets ¼" 4 - 4.5 - 5 -5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
5 sockets ¼" Tx, long version T20, T25, T27, T30, T40
4 sockets ¼" Hex, long version 4, 5, 6, 8 without hole
2 extension bar ¼", 50 and 150 mm
1 adapter ⅜" x ¼" for extension bar work as T-handle
1 universal joint ¼"
1 bit adapter ¼"
1 reversible ratchet ¼"
1 torque wrenches ¼", 5 – 25 Nm
1 ratchet screwdriver "Flex"
2 adapter 50 and 80 mm
4 bits ¼" 50 mm PH 0 - 1 - 2 - 3
4 bits ¼" 50 mm PZ 0 - 1 - 2 - 3
2 bits ¼" 50 mm PZ/FL 1 - 2
4 bits ¼" 50 mm SQ 3 - 4 - 5 - 6 mm
6 bits ¼" 50 mm hexagonal 2 - 2.5 - 3 - 4 - 5 - 6

TQ 1/4"

Art. no.	set	empty	kg	PU
220640	**51-pieces**	220370	3,900	1

INFO

Switch cabinet keys **Industrial quality**

HAUPA Universal keys are ideal for use in building technology.

They are small and lightweight, yet through their zinc die-cast construction they are very robust and stable. The HUPkeys are especially suitable for locking systems in electrical engineering as well as for special applications in construction, plumbing, ventilation and air conditioning technology.

Switch cabinet key, „HUPkey“ with converting bit

Inside square 6 - 7 mm, 8 - 9 mm,
Outside square 5 - 10 mm, two-way 3 - 5 mm,
Triangle socket 7 - 9 mm, triangle socket 11 mm,
SI converting bit for slotted and cross-headed screws
Including 5 mm inside square and crescent on chain

Not available in GB and FR!

Art. no.	kg	PU
110692	0,145	1

Switch cabinet key, „HUPkey“

Inside square 6 - 7 mm, 8 - 9 mm,
Outside square 5 - 10 mm, two-way 3 - 5 mm,
Triangle socket 7 - 9 mm, triangle socket 11 mm and chain

Art. no.	kg	PU
110691	0,115	1

Converting bit for bleeding

SI converting bit for slotted and cross-headed screws
Including 5 mm inside square and crescent on chain

Not available in GB and FR!

Art. no.	kg	PU
110693	0,030	1

Universal switch cabinet key with crescent, „HUPkey“

Inside square 6 - 7 mm, 8 - 9 mm, crescent,
Two-way 3 - 5 mm, triangle socket 7- 9 mm,
Triangle socket 11 mm, SI converting bit for slotted
and cross-headed screws on chain

Not available in GB and FR!

Art. no.	kg	PU
110697	0,094	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

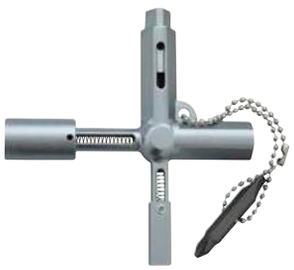
Best-seller Premium product

Spanners for switch cabinet key, „HUPkey Uni“

PREMIUM

Spanner for switch cabintes with push construction, bitholder and bit on chain, external square 7 + 8 mm, inside square 6, 7, 8, 9 mm, double size 3 - 5 mm, inside threesquare 7, 8, 9, 10, 11 mm

Video 110698



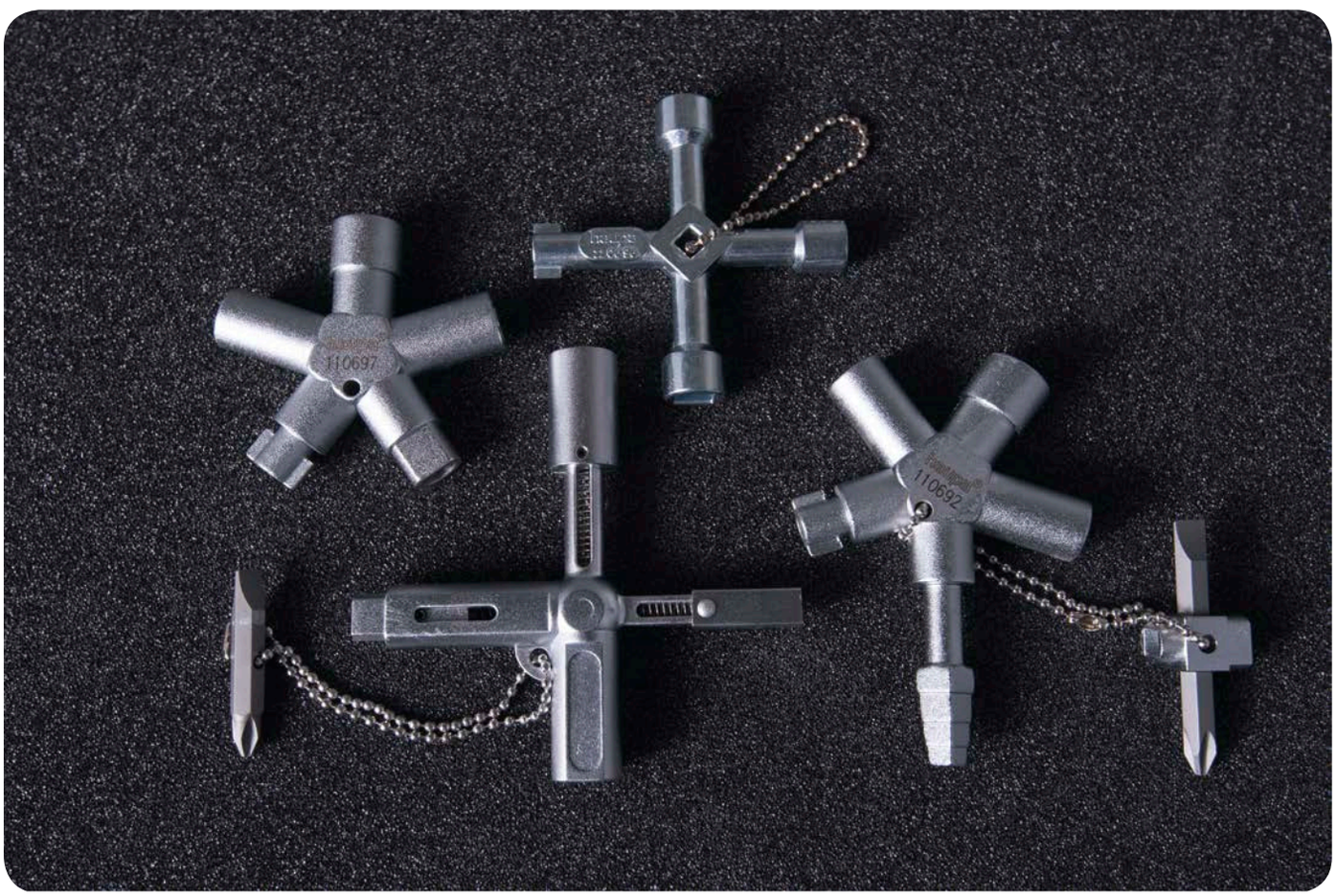
Not available in GB and FR!

Art. no.	kg	PU
110698	0,105	1

Spanners for switch-cabinets, „HUPkey“

made of metal for hight torques, small size, low weight, with chain inside square 6 mm, inside square 7 - 8 mm, inside threesquare 7 - 8 mm, double size 3 - 5 mm

Art. no.	size	kg	PU
110696 ✷	72 x 72	0,059	1



haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Pliers

haupa®

... convincing solutions

INFO

2-component pliers **Industrial quality**

Pliers range with 2-component handles made of highquality, non-slip, thermoplastic elastomer.

High leverage | perfected cutting force performance

High leverage pliers offer power saving of up to 50%.

Combination pliers DIN ISO 5746

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated, for soft wire and hard wire, **leveraged, perfected cutting force performance**.

Art. no.		TL	soft	hard	kg	PU
210052		160	4,0	2,0	0,197	1
210053	✸	180	4,0	2,2	0,286	1
210054		200	4,2	2,5	0,410	1

Side cutters DIN ISO 5749

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated, for soft wire and hard wire, **leveraged, perfected cutting force performance**.

Art. no.		TL	soft	hard	kg	PU
210067		140	4,0	1,8	0,172	1
210068	✸	160	4,0	2,0	0,237	1
210069		180	4,0	2,0	0,237	1

Heavy duty side cutters DIN ISO 5749

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated, for soft wire and hard wire.

Art. no.		TL	soft	hard	kg	PU
210156		160	4,0	2,7	0,264	1
210157		180	4,0	2,7	0,264	1

Heavy duty side cutters DIN ISO 5749

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated, for soft wire and hard wire, **leveraged, perfected cutting force performance**.

Art. no.		TL	soft	hard	kg	PU
210158	✸	200	4,2	3,0	0,326	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Long flat nose pliers DIN ISO 5745

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated

Art. no.	TL	kg	PU
210313	160	0,155	1

Long round nose pliers DIN ISO 5745

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated

Art. no.	TL	kg	PU
210350	160	0,153	1

Long chain nose pliers DIN ISO 5745

with side cutter, straight, alloyed carbon steel, forged and annealed, cutting edges induction hardened, for soft wire and hard wire, with 2 component plastic handle with hand protection, chrome plated, **leveraged, perfected cutting force performance**.

Art. no.	TL	form	kg	PU
210394	170	straight	0,154	1
210396 ✸	200	straight	0,253	1

Long chain nose pliers DIN ISO 5745

with side cutter, 45° angled nose, alloyed carbon steel, forged and annealed, cutting edges induction hardened, for soft wire and hard wire, with 2 component plastic handle with hand protection, chrome plated, **leveraged, perfected cutting force performance**.

Art. no.	TL	form	kg	PU
210397	160	45°	0,251	1
210398 ✸	200	45°	0,251	1

Wire stripping pliers

alloyed carbon steel C 45, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated

Art. no.	TL	mm²	kg	PU
210644	160	0,6-10	0,196	1

Water pump pliers DIN ISO 8976

chrome vanadium steel, forged and annealed, curved jaws, gripping chuck hardened, self-locking nut, finger protection, with 2 component plastic handle with hand protection, chrome plated

Art. no.	TL	kg	PU
210584	240	0,368	1

Water pump pliers DIN ISO 8976

chrome vanadium steel, forged and annealed, curved jaws, gripping chuck hardened, titan-plated, dipped, setting at touch of a button, safe engaging

Art. no.	TL	kg	PU
210616	170	0,185	1
210617 ✸	240	0,330	1
210618	300	0,545	1

Pliers set

Contents:
1 compination pliers 180 mm
1 diagonal cutter 160 mm
1 long chain nose pliers 200 mm
1 wire stripping pliers 160 mm

Art. no.	set	kg	PU
220128	**4-pieces**	1,044	1

Pliers set

Contents:
1 compination pliers 180 mm
1 heavy duty diagonal cutter 180 mm
1 long chain nose pliers 200 mm
1 wire stripping pliers 160 mm

Art. no.	set	kg	PU
220129	**4-pieces**	1,082	1

haupa®
... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Special pliers

Grip pliers

one jaw straight, one jaw movable, forged of chrome vanadium, a real universal plier for gripping any kind of workpiece, flat round or square, with quick-release lever and adjustable screw

Art. no.	TL	WS	kg	PU
210556	250	0-40	0,518	1

Grip pliers

jaws drop, forged of chrome vanadium, adjustable screw, quick-release lever, half-round jaws, with wire cutter

Art. no.	TL	WS	kg	PU
210562	250	0-40	0,565	1

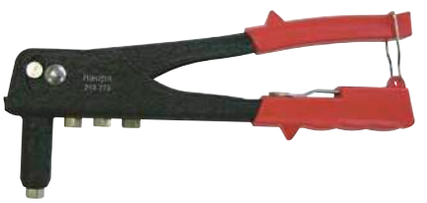
Pipe wrenches

chrome vanadium steel, polished

Art. no.	TL	WS	tube	kg	PU
210592	320	-45	1"	0,798	1
210594	435	-59	1 1/2"	0,800	1
210596	560	-76	2"	2,460	1

Riveting pliers

made of aluminium-pressure casting, all inner parts made of special alloyed steel and hardened, with 4 exchangeable nozzles 2,4-3-4-5 mm, for blind rivets of aluminium-copper or steel



Art. no.	TL	kg	PU
210770	250	0,552	1

Riveting tool set

in portable plastic box. **Contents:** 1 plier no. 210770, 100 pieces of alu space rivets 4 mm Ø, short-middle-long, 2 twist drills and washers.

Art. no.	TL	kg	PU
210776	250	0,840	1

Electronic pliers

Microelectronic side cutters

without cutting-facet, clearance angle: 50°, with clip, for soft wires up to 0.8 mm²

Art. no.	TL	kg	PU
211708	118	0,069	1

Microelectronic side cutters

without cutting-facet, clearance angle: 21°, with clip, for soft wires up to 1.3 mm²

Art. no.		TL	kg	PU
211720	✸	132	0,086	1
211722		158	0,087	1

Tweezers

special design for wafers, long, extra small blades, needle fine top ends, stainless steel, antimagnetism acid resistent

Art. no.	TL	kg	PU
211080	130	0,017	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

INFO

ESD Electronic pliers **Industrial quality**

Advantages:

- Elegant, ergonomically shaped, non-slip 2-component handle ensures comfortable and precise working
- Special tool steel, forged and tempered, edges hardened (58 ± 2HRC)
- Surface resistance 10.9 Ohm, in accordance with electronics area ESD
- Each mechanism checked
- precision pliers for meticulous assembly work for example in electronics and precision engineering
- for picking up, holding and bending
- model with electric discharging
- precision hinges
- smooth handle surfaces
- low-friction double spring for smooth and steady opening
- handles with two-coloured multi-component handle covers black/green
- special tool steel

Not only people, objects also experience electrostatic charging as a result of movement, friction and being handled. Such charging can lead to the destruction of endangered components.
HAUPA ESD - electronics pliers discharge such energy slowly and in a controlled way.

ESD Electronic needle nose pliers

with wire cutter, special tool steel

Art. no.	TL	form	kg	PU
211850	130	straight	0,091	1

ESD Electronic needle nose pliers, 45° angle

with wire cutter, special tool steel

Art. no.	TL	form	kg	PU
211852	130	45°	0,089	1

ESD Electronic needle nose pliers

straight construction, special tool steel

Art. no.	TL	form	kg	PU
211854	130	straight	0,082	1

ESD Electronic needle nose pliers, 45° angle

45° angle, special tool steel

Art. no.	TL	form	kg	PU
211856	130	45°	0,081	1

ESD Electronic thin needle nose pliers

straight construction, special tool steel

Art. no.	TL	form	kg	PU
211858	140	straight	0,083	1

ESD Electronic thin needle nose pliers, 45° angle

45° angle, special tool steel

Art. no.	TL	form	kg	PU
211860	140	45°	0,084	1

ESD Electronic thin needle nose pliers

straight construction, special tool steel

Art. no.	TL	form	kg	PU
211862	150	straight	0,087	1

ESD Electronic thin needle nose pliers, 45° angle

45° angle, special tool steel

Art. no.	TL	form	kg	PU
211864	150	45°	0,087	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

ESD electronic pliers

ESD Electronic flat nose pliers

Special tool steel

Art. no.		TL	kg	PU
211866		130	0,090	1

ESD Electronic front cutter

Special tool steel

Art. no.		TL	kg	PU
211874		115	0,093	1

ESD Electronic round nose pliers

straight construction, special tool steel

Art. no.		TL	kg	PU
211868		130	0,091	1

ESD Electronic combination pliers

with wire cutter, special tool steel

Art. no.		TL	kg	PU
211876		115	0,077	1

ESD Electronic side cutter

normal construction, head width 14 mm, special tool steel

Art. no.		TL	kg	PU
211870	✸	115	0,078	1

ESD Electronic side cutters

slim construction, head width 10 mm, special tool steel

Art. no.		TL	kg	PU
211872		110	0,075	1

ESD Electronic side cutter without cutting-facet

normal construction, head width 14 mm without chamfer, special tool steel

Art. no.		TL	kg	PU
211875	✸	115	0,075	1

ESD Electronic pliers set

Special tool steel

Contents:
Art. No. 211862, 211870, 211874, 211876

Art. no.		set	kg	PU
211880		**4-pieces**	0,585	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

LED lamps/torches and Compact floodlights

haupa®

... convincing solutions

INFO

LED lamps/torches **Industrial quality**

HAUPA high-performance LED lamps/torches for daily work use

Extremely high illumination performance with minimum battery load thanks to highly modern **CREE LED** bulbs

LED „Mini Torch“

- Compact
- Very small and light
- Extremely high lighting performance
- LED 3 Watt CREE XR-E
- 1xAAA battery

Art. no.	size	kg	PU
130310	Ø 20 x 92,5 mm	0,080	1

LED „Focus Torch“

- Adjustable focus for near and far
- LED 3 Watt CREE XP-E
- 3xAAA batteries

Art. no.		size	kg	PU
130312	✸	Ø 34,4 x 115 mm	0,200	1

LED „IP67 Torch“

- IP67, dust-tight, protected against brief submersion (water-tight)
- 1 x switch operation 100 % lighting performance
  2 x switch operation 30 % lighting performance
- LED 5 Watt CREE XP-G
- 4xAAA batteries

Art. no.	size	kg	PU
130314	Ø 40,5 x 141 mm	0,440	1

LED „RC Torch“

- Rechargeable battery, lithium-ion 2200 mAH 3.7 V
- Integrated charging unit
- 1 x switch operation 100 % lighting performance
  2 x switch operation 30 % lighting performance
- Additional battery holder as backup
- Deep discharge protection
- LED 5 Watt CREE XP-G
- Charging cable 230 Volt, charging cable for automobile
- Battery holder (battery operation is an alternative)

Art. no.	size	kg	PU
130316	Ø 40,5 x 180 mm	0,440	1

LED „Max Torch“

- Illumination range: 300 m
- LED 10 Watt CREE XML-T6
- Extreme illumination range
- 1 x switch operation 100 % lighting performance,
  2 x switch operation 25 % lighting performance
- 3xC batteries included
- Including wrist strap

Art. no.	size	kg	PU
130324	Ø 40,5 x 234 mm	0,440	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

LED „Pen Torch“

- Illumination range: 50 m
- 50 Lm
- LED 1 Watt CREE
- With clip
- 2xAAA batteries

Art. no.	size	kg	PU
130328 ✷	Ø 14 x 143 mm	0,200	1

LED „Headlight“ headlamp

- Very light and balanced headlamp (battery compartment at the rear)
- 4 lighting levels:
  Switch position 1 = 100 % lighting performance
  Switch position 2 = 80 % lighting performance
  Switch position 3 = 30 % lighting performance
  Switch position 4 = red LED
- LED 3 Watt CREE XP-E
- 2xAA batteries

Art. no.	size	kg	PU
130318 ✷	143 mm	0,180	1

Holster for LED torches

Suitable for item numbers: 130312, 130314

Art. no.	width	depth	height	kg	PU
130322	30	10	100	0,180	1

Mini working light “HUPlight4”

- Rechargeable battery, lithium-ion 1800 mAH 3.7 V
- LED 4 Watt
- Approximately 200 Lumen lighting performance
- Approximately 3 hours lighting performance
- Lamp may be charged using the micro USB port
- Stand may be angled
- Dual magnetic bracket
- Hook for securing and hanging
- Can be used and carried everywhere

Art. no.	Watt	size	kg	PU
130336	4	60 x 25 x 120 mm	0,260	1

LED working light „HUPlight10+3“

PREMIUM

- Integrated Li-Ion 3.7V / 6.7Ah battery
- **10 watt + 3 watt LED**
- High-quality plastic housing
- For use inside and out, splashproof acc. to IP54
- Extremely bright illumination, 7000K colour temperature
- 220 Lm (3W LED) + 800 Lm (10W LED) luminosity
- Colour rendering 90 CRI (Colour Rendering Index)
- Variable light output, 50% | 100%
- Operating time

10W LED: - Approx. 3 hours with 100% light output
- Approx. 6 hours with 50% light output

3W LED: - Approx. 12 hours with 100% light output
- Approx. 24 hours with 50% light output

- 3.5 hours charging time using power unit supplied
- Charger: 100 – 240 V AC plug-in power supply (5V/2A DC)
- 12V KFZ charging cable
- Adjustable magnetic stand
- With hook for hanging
- With belt clip

360° | 130348

Art. no.	Watt	size	kg	PU
130348	10+3	220 x 57 x 40 mm	0,380	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Compact floodlight „HUPlight10pro“

- Integrated Li-Ion 3.7V / 4.4Ah battery
- **10 watt LED**
- High-quality and solid housing made of diecast aluminium, with plastic edge protector
- For use inside and out, splashproof according to IP54
- Extremely bright illumination, 6500K colour temperature
- 900 Lm luminosity
- Colour rendering 90 CRI (Colour Rendering Index)
- Variable light output, 50% | 100%
- Operating time:
  - Approx. 3 hours with 100% light output
  - Approx. 6 hours with 50% light output
- Approx. 4.75 hours charging time using power unit supplied
- Can be used to charge external devices via USB (power bank function)
- Charger: 100 – 240 V AC plug-in power supply (5 V/1A DC)
- 12V KFZ charging cable
- Adjustable stand

360° | 130344

Art. no.	Watt	size	kg	PU
130344	10	170 x 121 x 43 mm	0,850	1

Compact floodlight „HUPlight20pro“

- Integrated Li-Ion 7.4V / 4.4Ah battery
- **20 watt LED**
- High-quality and solid housing made of diecast aluminium, with plastic edge protector
- For use inside and out, splashproof according to IP54
- Extremely bright illumination, 6500K colour temperature
- 1800 Lm luminosity
- Colour rendering 90 CRI (Colour Rendering Index)
- Variable light output, 50% | 100%
- Operating time:
  - Approx. 3 hours with 100% light output
  - Approx. 6 hours with 50% light output
- 5 hours charging time using power unit supplied
- Can be used to charge external devices via USB (power bank function)
- Charger: 100 – 240 V AC plug-in power supply (12 V/1A DC)
- 12V KFZ charging cable
- Adjustable stand

360° | 130346

Art. no.	Watt	size	kg	PU
130346	20	185 x 135 x 43 mm	1,100	1

HUPlightpro Crashtest

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Compact floodlight “HUPlight10”

- Rechargeable battery, lithium-ion 4400 mAH 7,4 V
- LED 10 Watt
- High quality aluminium housing, protected against spray water in accordance with IP54
- Extremely bright light
- Lighting performance is variable, can be dimmed
- at least 7 hours of operating power
- External devices may be charged via USB connections
- Charging cable 230 Volt, car charging cable

Art. no.	Watt	size	kg	PU
130330 ✷	10	167 x 185 x 260 mm	1,470	1
130330/A	10	with 2 battery packs	1,810	1

Replacement battery to “HUPlight10”

- Lithium-ion battery 4400 mAH 7.4 V

Art. no.	Volt	A	size	kg	PU
130331	7.4	4400	92 x 75 x 65 mm	0,340	1

Compact floodlight “HUPlight50” with Bluetooth

- Lithium-ion battery 13.2 AH 7.4 V
- 50 Watt LED
- High quality aluminium housing + PC, protects against splashes according to IP54
- Extremely bright light
- Lighting performance is variable, 50% | 100%
- Operating time:
  - about 5 hours for just the lighting (at 100% light intensity),
  - about 10 hours for just the lighting (at 50% light intensity),
  - about 4 hours for lighting + Buetooth oudspeaker,
  - around 15 hours for just the Buetooth loudspeaker.
- Loading of external devices via USB port
- Charger: 230 V Power Supply (12 V 2.3 A)
- 12 V Car charger
- Bluetooth
- adjustable stand

130338 | 360°

Art. no.	Watt	size	kg	PU
130338	50	260 x 110 x 275 mm	2,240	1
130338/A	50	with 2 battery packs	2,950	1

Replacement battery to “HUPlight50”

- Lithium-ion battery 13.2 AH 7.4 V

Art. no.	Volt	A	size	kg	PU
130339	7.4	13,2	130 x 115 x 45 mm	0,710	1

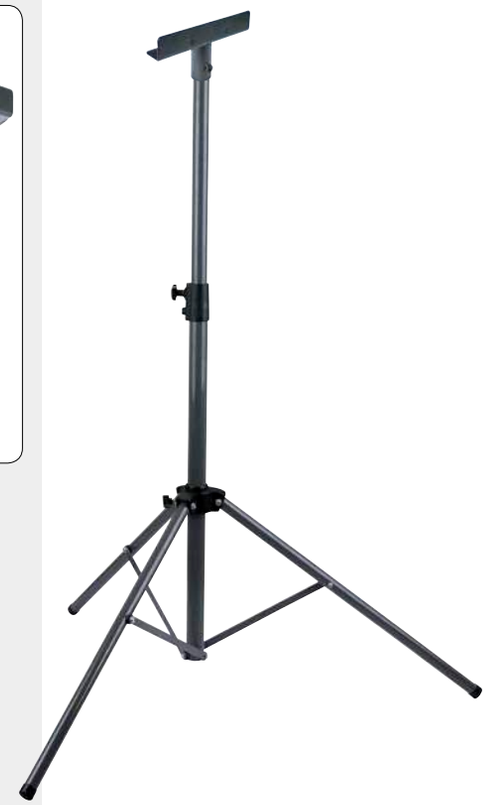
Magnetic holder for “HUPlight50”

- magnetic
- extra-strong magnet

Art. no.	size	kg	PU
130340	170 x 140 x 40 mm	0,470	1

Stand for “HUPlight50“

- Dimensions: 115 x 115 x 180 (Hight) cm
- Adjustable height maximum height 1.80 m



Art. no.	size	kg	PU
130342	1150 x 1150 x 1800 mm	3,500	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Measuring tools

haupa®
... convincing solutions

Folding rules

with spring joint, mm-graduations on both sides

Art. no.		TL	type	width	kg	PU
240002	✸	2 m	wood	16	0,022	1
240005		2 m	fibre glass	16	0,138	1

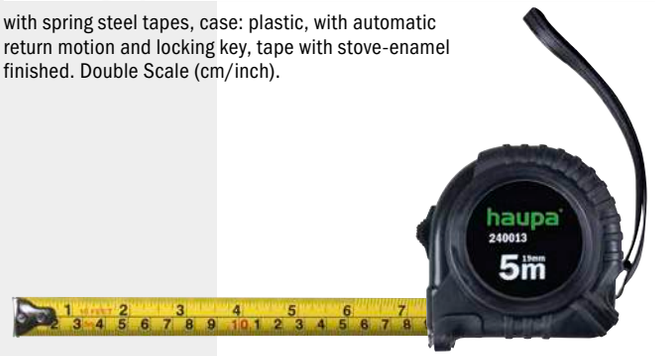
Measuring tapes

with spring steel tapes, case: plastic, with automatic return motion and locking key, tape with stove-enamel finished

Art. no.		TL	width	kg	PU
240011		3 m	13	0,104	1
240012	✸	5 m	16	0,179	1

Measuring tapes with double scale

with spring steel tapes, case: plastic, with automatic return motion and locking key, tape with stove-enamel finished. Double Scale (cm/inch).



Art. no.	TL	width	kg	PU
240013	5 m	16	0,179	1

Measuring tapes

in metal case, with woven rayon tape, strengthened against streching by 8 bronze wires woven into tape, scale graduations both sides: metres and centimetres

Art. no.	TL	width	kg	PU
240018	20 m	16	0,432	1
240020	25 m	16	0,544	1
240022	30 m	16	0,586	1
240024	50 m	16	0,857	1

Aluminium spirit levels

bubble level made of acrylic glass, accuraty of measurement: 0,043° = 0,75 mm/m. **Fall arrest on the flanks.**

Art. no.		TL	Spirit level	kg	PU
240041		300	2	0,168	1
240042	✸	400	2	0,198	1
240044		600	2	0,282	1
240046		800	2	0,406	1
240048		1000	2	0,534	1

Electrician‘s safety levels

nonconducting plastic material, with 2 tubes horizontal and vertical

Art. no.	TL	Spirit level	kg	PU
240057	400	2	0,188	1
240058	600	2	0,274	1

Cabinet levels

Torped type, nonconducting plastic material, with 3 tubes horizontal, vertical and 45°

Art. no.		TL	Spirit level	kg	PU
240059	✸	200	3	0,078	1

Acrylic „HUPmini“ spirit level

Made of perspex, with 2 levels (horizontal and vertical), with 2 measurement scales (0 – 10 cm and 0 – 5 cm). Dimensions: 100 x 50 x 15 mm

360° | 240061

Art. no.	TL	Spirit level	kg	PU
240061	100	2	0,085	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

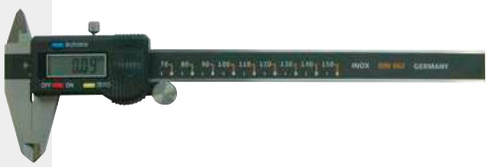
Precision pocket vernier calipers „Stainless“

manufactured from stainless steel, completely hardened, with measuring nibs, depth gauge and thread tables, in plastic wallet, 1/20 mm or 1/128", size 150 mm

Art. no.	TL		kg	PU
240071	232	0 - 150	0,157	1

Precision pocket vernier calipers „digital“

manufactured from stainless steel, completely hardened, with measuring nibs, depth gauge and thread tables, in plastic box with sight window, 1/20 mm or 1/128", size 150 mm



Art. no.	TL		kg	PU
240073	235	0 - 150	0,150	1

Engineers' squares

manufactured from steel, bright

Art. no.	TL	width	kg	PU
240132	150x100	20	0,181	1
240134	200x130	20	0,237	1
240136	250x160	25	0,378	1
240138	300x180	25	0,445	1

Engineers' squares

manufactured from steel, bright

Art. no.	TL	width	kg	PU
240152	150x100	20	0,170	1
240154	200x130	20	0,340	1
240156	250x160	25	0,511	1
240158	300x180	25	0,440	1
240160	400x230	30	0,783	1

Steel point scribers

knurled handle, replaceable screw-out hardened points, handle with one straight and one bent point (90°)

Art. no.	TL	kg	PU
240234	250	0,046	1

Carpenters' pencils

Art. no.	TL	kg	PU
150090	150	0,007	1

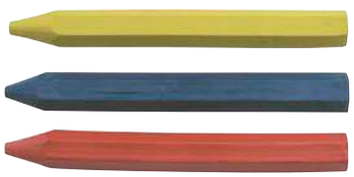
Deep hole marker

Marker and writing implement with a refillable solid lead, suitable for all surfaces (including dusty, rough, damp or oily surfaces) cap in a bright signalling colour with integrated sharpener. Also suitable for dark surfaces.

Art. no.		kg	PU
150025		0,291	1
150027	spare lead 10 pc	0,291	1

Marking chalk

12 items per packaging unit



Art. no.	colour	set	kg	PU
150015 B ✸	blue	**12-pieces**	0,017	1
150015 G	yellow	**12-pieces**	0,017	1
150015 R	red	**12-pieces**	0,016	1

Holder for marking chalk

suitable for marking chalk art. 150015

Art. no.	kg	PU
150015/1	0,036	1

Chalk line roller Squid, 15 m

Chalk line roller made from cast magnesium with push system: Pressure on the axle does not turn the crank; hardened hook with curved spike, integrated storage for the hook, Art. no. 150023: fast-retraction transmission 5:1

Art. no.	size		kg	PU
150019	15 m	**Squid**	0,291	1

Chalk

in plastic bottles, 250 g

Art. no.	colour	kg	PU
140510	red	0,284	1
140520	blue	0,276	1
140530	yellow	0,279	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Maintenance / Workshop equipment

haupa®

... convincing solutions

Hand brush „Prestige“ short

- Soft Elaston PET bristles
- Unvarnished wooden body
- 29 cm
- Handle with hole for hanging up

Art. no.		TL	kg	PU
393000	✸	290	0,250	1

Hand brush „Prestige“ short

- Soft coconut bristles
- Unvarnished wooden body
- 29 cm
- Handle with hole for hanging up

Art. no.	TL	kg	PU
393038	290	0,180	1

Hand brush „Prestige“ long

- Soft Elaston PET bristles
- Unvarnished wooden body
- 43 cm
- Handle with hole for hanging up

Art. no.	TL	kg	PU
393002	430	0,280	1

Hand brush „Prestige“ long

- Soft coconut bristles
- Unvarnished wooden body
- 43 cm
- Handle with hole for hanging up

Art. no.	TL	kg	PU
393040	430	0,180	1

Metal dustpan with wooden handle

- Made from metal
- Painted black
- Wooden handle with hole for hanging up
- Robust version
- 450 x 230 mm

Art. no.		TL	width	kg	PU
393006	✸	450	230	0,400	1

Street broom

- Elaston
- 40 cm
- 6/15 rows

Art. no.	TL	kg	PU
393008	400	0,300	1

Broom, for rough dirt

- Elaston
- 40 cm
- For coarse dirt
- Made from wooden corbel
- With hole for handle

Art. no.	TL	kg	PU
393012	400	0,300	1

Broom, for rough dirt

- Soft coconut bristles
- 40 cm / 60 cm
- For coarse dirt
- Made from wooden corbel
- With hole for handle

Art. no.	TL	kg	PU
393034	400	0,269	1
393036	600	0,269	1

Broom, for smooth ground

- 40 cm
- For smooth floors and fine dirt
- Made from wooden corbel
- With hole for handle

Art. no.	TL	kg	PU
393010	400	0,300	1

Broomstick

- Sanded cleanly
- Rounded head
- 1400 mm

Art. no.	TL	kg	PU
393004	1400	0,250	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Bucket

- Made from plastic
- 12 l / 20 l
- With carry handle

Art. no.	Liter	colour	kg	PU
300102	12	black	0,450	1
300115	20	black	0,600	1

Textile tape

Particularly strong adhesive, UV-resistant.

- 50 m

Art. no.	length/m	width	colour	kg	PU
393014	50	38	grey	0,350	1
393016	50	50	grey	0,400	1

Tarpaulin premium

Protects from dust and damp, for indoor use.

- 12 my
- 4 x 12,5 m

Art. no.	TL	width	kg	PU
393026	12500	4000	0,250	1

Tarpaulin, strong

Effective protection from dirt whatever the job, for indoor use.

- 30 my
- 4 x 5 m

Art. no.	TL	width	kg	PU
393022	5000	4000	0,200	1

Tarpaulin, strong

Effective protection from dirt whatever the job, for indoor use.

- 30 my
- 4 x 12,5 m

Art. no.	TL	width	kg	PU
393024	12500	4000	0,500	1

Dust protection door, multi-fleece

Protects from dust and dirt, approximately 120 x 220 cm, zip length approximately 215 cm.

Art. no.	TL	width	kg	PU
393032	2200	1200	0,350	1

Builders waste sack

- LDPE
- Roll containing 5 sacks
- 75 l
- 100 my
- 575 x 1000 mm

Art. no.	TL	width	kg	PU
393018	1000	575	0,020	1

Waste sack, extra

- LDPE
- Roll containing 10 sacks
- 120 l
- 50 my
- 700 x 1100 mm

Art. no.	TL	width	kg	PU
393020 ✷	1100	700	0,020	1

haupa®
... convincing solutions
Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Construction foil „Profi“

Optimum protection for all jobs indoors and for all outdoor situations.

- 3 x 10 m
- 200g/m²

Art. no.	TL	width	kg	PU
393030	10000	3000	4,500	1

Multi-fleece

Extremely absorbent, anti-slip thanks to PE anti-slip sheet, prevents the ingress of paint or damp, for all DIY, renovation, construction and painting work. Easy to lay, can be reused multiple times, dirt on clothes and shoes is not transported further.

- 1 x 10 m

Art. no.	TL	width	kg	PU
393028	10000	1000	1,500	1

Warning sign, plastic "Caution, Wet floor", yellow

Lettering on both sides, durable and washable, with warning note in text and symbol format

Print: Caution, Wet floor
Colour: Yellow
Material: Plastic
Dimensions (WxH): 30.5 x 62 cm

Only for German and English speaking countries.

Art. no.	Dimensions	kg	PU
300117	(WxH): 30,5 x 62 cm	3,850	1

Wire brushes

Art. no.	TL	kg	PU
150002	300	0,131	1

Water brushes

real bristles, vulcanized, textile bound, bristles-Ø 24 mm, length of bristle 48 mm

Art. no.	width	kg	PU
150004	24	0,036	1

Plaster cups

soft rubber

Art. no.		Ø	depth	kg	PU
150006	✸	125	90	0,105	1

Plaster pan

Made from steel sheet, hot-dip galvanised, with polished wooden handle and hanging hook

- Diameter: 160 mm | 90 mm, (180 mm | 100 mm)
- Height: 40 mm (60 mm)
- Length including wooden handle 295 mm (325 mm)

Art. no.	Ø	depth	kg	PU
150008	160	40	0,341	1
150010	180	50	0,380	1

Paint scrapers

steel, polished blade, with oval wooden handle

Art. no.		TL	width	kg	PU
150024		185	40	0,043	1
150026	✸	205	50	0,051	1
150028		205	60	0,047	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Trowel

- High-quality stainless steel, non-corrosive
- With red painted handle
- 3 point rib welding
- German beech wood
- Furled handle collar
- For improved hold
- Controlled top quality

Art. no.	TL	kg	PU
150012	160	0,341	1
150029	180	0,341	1

Trowel „Profi“

- Trowel blade and handle forged from a single piece
- Guaranteed no welding
- Blade hardened
- Conically ground

Art. no.	TL	kg	PU
150033	160	0,341	1
150039	180	0,341	1

Lashing belt 400daN, one-piece

Permitted tensile force 400 daN in a straight line, one-piece.
Manufactured according to DIN EN 12195-2.

- 800 daN when wrapped
- Colour green
- Belt width 25 mm
- Belt length 8 m
- With mini ratchet

Art. no.	TL	width	daN	kg	PU
393150	8000	25	400	0,350	1

Lashing belt 400daN, two-piece with hook

Permitted tensile force 400 daN in a straight line, two-piece with hook.
Manufactured according to DIN EN 12195-2.

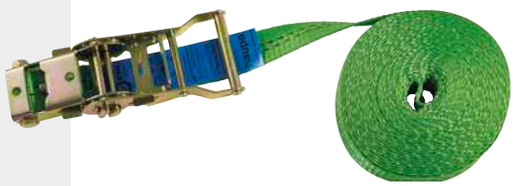
- 800 daN when wrapped
- Colour green
- Belt width 25 mm
- Belt length 8 m
- With mini ratchet

Art. no.	TL	width	daN	kg	PU
393152	8000	25	400	0,450	1

Lashing belt 1000daN, one-piece

Permitted tensile force 1000 daN in a straight line, one-piece.
Manufactured according to DIN EN 12195-2.

- 2000 daN when wrapped
- Colour green
- Belt width 35 mm
- Belt length 8 m
- with pressure ratchet

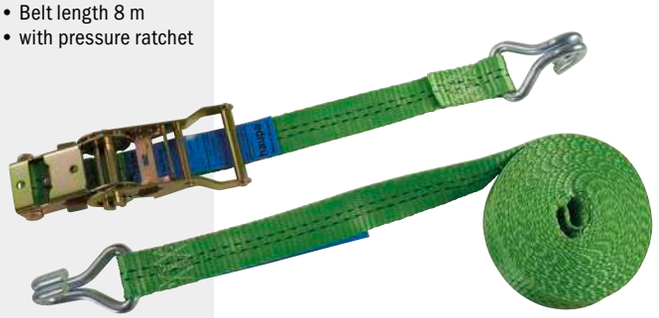


Art. no.	TL	width	daN	kg	PU
393154	8000	35	1000	1,000	1

Lashing belt 1000daN, two-piece with hook

Permitted tensile force 1000 daN in a straight line, two-piece with hook.
Manufactured according to DIN EN 12195-2.

- 2000 daN when wrapped
- Colour green
- Belt width 35 mm
- Belt length 8 m
- with pressure ratchet



Art. no.	TL	width	daN	kg	PU
393156	8000	35	1000	1,400	1

Chisels, Hammers

haupa®
... convincing solutions

Chisels, centre punches, hatchets

Flat chisels to DIN 6453 A, flat oval shank

chrome vanadium air hardenend steel, golden varnishes

Art. no.		TL	CW	mat/S	mat/S1	kg	PU
180008		200	28	23	13	0,392	1
180010		250	28	23	13	0,490	1
180012		300	32	26	13	0,606	1

Stone chisels, flat oval shank

chrome vanadium air hardenend steel, golden varnishes

Art. no.		TL	CW	mat/S	mat/S1	kg	PU
180042		250	28	20	12	0,394	1
180044	✸	300	32	23	13	0,584	1

Stone chisels, octagonal shank

chrome vanadium air hardenend steel, golden varnishes

Art. no.		TL	CW	mat/S	mat/S1	kg	PU
180062		250	28	16	16	0,387	1
180064		300	30	18	18	0,595	1

Jointing chisel

chrome vanadium air hardenend steel, golden varnishes, for light works, the wide and flat cutting edge allows a quick working and avoid a breaking out of the wall

Art. no.		TL	CW	mat/S	mat/S1	kg	PU
180076	✸	250	26	26	7	0,302	1

Stone chisels, octagonal shank

chrome vanadium air hardenend steel, golden varnishes

Art. no.		TL	CW	mat/S	mat/S1	kg	PU
180082		250	14	14	14	0,358	1
180084		300	16	16	16	0,573	1

Electricians' chisels

chrome vanadium air hardenend steel, golden varnishes

Art. no.		TL	CW	mat/S	mat/S1	kg	PU
180090		200	8	6	6	0,052	1
180092	✸	250	10	8	8	0,119	1
180094		250	12	8	8	0,121	1

Centre punch to DIN 7250

octagonal shank, chrome vanadium air hardenend steel, golden varnishes

Art. no.	TL	Ø	kg	PU
180120	120	12	0,091	1

Hammers

Firmer chisels DIN 5139

with bevelled edges and polished wooden handle and cutting edge protector

Art. no.	TL	CW	BL	kg	PU
180464	280	14	150	0,120	1
180466	280	16	150	0,132	1
180468	280	18	150	0,161	1
180470	280	20	150	0,170	1
180474	280	24	150	0,193	1

Rubber hand guard

total length 140 mm, max. Ø 90 mm, for chisels flat oval shank

Art. no.	size	mat/S	mat/S1	kg	PU
180110	3	23	13	0,125	1

Pin punch set

golden varnishes, in folding metal case
Contents: Ø 2 - 3 - 4 - 5 - 6 - 8 mm

Art. no.	set	kg	PU
180170	**6-pieces**	0,502	1

Household hatchet

varnished and polished cutting edge, DIN 5131

Art. no.	kg	PU
180173	0,600	1

Claw hammer

American model, 16 Oz, wooden handle

Art. no.	size	kg	PU
180321	16	0,621	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Claw hammer

American model, 16 Oz, fibreglass handle

Art. no.	size	kg	PU
180323	16	0,748	1

Engineers‘ hammer DIN 1041

with polished hickory handle, with steel handle protection

Art. no.	HW	kg	PU
180182	200	0,238	1
180184 ✸	300	0,370	1
180186	400	0,470	1
180188	500	0,622	1

Engineers‘ hammer DIN 1041

with steel pipe handle and rubber grip

Art. no.	HW	kg	PU
180200	300	0,552	1
180202	500	0,740	1

Engineers‘ hammer DIN 1041

with red ultramid handle, low vibration

Art. no.	HW	kg	PU
180232	300	0,410	1

Engineers‘ hammer

English pattern, ball pin

Art. no.	HW	kg	PU
180274	340	0,416	1
180276	450	0,485	1

Sledge hammer to DIN 6475

with steel pipe handle and rubber grip

Art. no.	HW	kg	PU
180290	1000	1,210	1
180292	1250	1,504	1

Sledge hammer to DIN 6475

with polished, fluted hickory handle, with steel handle protection

Art. no.	HW	kg	PU
180300 ✸	1000	1,093	1
180302	1250	1,375	1

Plastic hammer

with replaceable cellidor striking faces and ash handle

Art. no.	Ø		kg	PU
180334	32		0,328	1
180346		replacement heads	0,460	1

Steel stamps

Steel stamp, figures (0 - 9) DIN 1451

Art. no.	size	set	kg	PU
130200	3	0-9	0,160	1
130201	4	0-9	0,243	1
130202	5	0-9	0,300	1
130203	6	0-9	0,450	1
130204	8	0-9	0,650	1
130206	10	0-9	0,800	1

Steel stamp, letters (A - Z), DIN 1451

Art. no.	size	set	kg	PU
130208	3	A-Z	0,461	1
130209	4	A-Z	0,650	1
130210	5	A-Z	0,850	1
130211	6	A-Z	1,200	1
130212	8	A-Z	1,950	1
130214	10	A-Z	2,479	1

Files

Warding files DIN 7283

Set: 6 files with wooden handle, section A, B, C, D, E, F
in plastic wallet

Art. no.	TL	set	kg	PU
190120	100	**6-pieces**	0,108	1

Contact files

Set: 6 files in plastic wallet

Art. no.	TL	set	kg	PU
190126	130	**6-pieces**	0,078	1

File assortments

Set: 5 files in plastic wallet, files with plastic handle

Form:
round
square
flat
half round
triangular

Art. no.		TL	set	kg	PU
190130		100	**bastard cut 1**	0,784	1
190132	✸	200	**smooth cut 3**	0,799	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Knives

haupa®
... convincing solutions

Cable stripping knives

Cable stripping or lead tube knives

with wooden handle

Art. no.	BL	kg	PU
200008	40	0,047	1

Cable stripping knives

solid handle, shock-proof synthetic, blade with straight and rounded scraper

Art. no.	BL	form	kg	PU
200010	60	straight	0,073	1

Cable stripping knives

with black plastic scales, stainless blade with scraper

Art. no.	BL	form	kg	PU
200011	60	straight	0,082	1

Cable stripping knives

with wooden scales, blade with scraper

Art. no.	BL	form	kg	PU
200012	60	straight	0,079	1

Cable stripping knives

with wooden scales, blade and reamer

Art. no.	BL	form	kg	PU
200014	60	straight	0,078	1

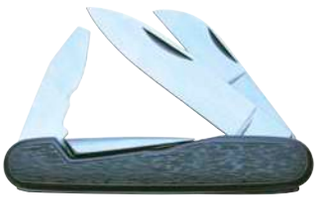
Cable stripping knives

with wooden scales, blade, reamer and screwdriver

Art. no.	BL	form	kg	PU
200016	60	straight	0,089	1

Cable stripping knives

with plastic scales, 2 blades, reamer and screwdriver



Art. no.	BL	form	kg	PU
200018	60	straight	0,092	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Utility knives

Utility metal knives

Cutting of plastic, wallpaper, cardboards, leather, plywood, carpets, with automatic blades locking, reserve blade in the handle

Art. no.	BL	form	kg	PU
200025	9	straight	0,072	1

Snap blades

10-pieces, suitable for article 200025

10 x

Art. no.	BL	form	set	kg	PU
200025/KL	9	straight	**10-pieces**	0,050	1

Utility metal knives

Cutting of plastic, wallpaper, cardboards, leather, plywood, carpets, with automatic blades locking, reserve blade in the handle

Art. no.	BL	form	kg	PU
200027 ✷	18	straight	0,150	1

Utility knives „EXTRA“ with spare blades

Cutting of plastic, wallpaper, cardboards, leather, plywood, carpets, with automatic blades locking, softgrip, 2 reserve blades in the handle

Art. no.	BL	form	kg	PU
200051	18	straight	0,022	1

Snap blades

10-pieces, suitable for article 200027 + 200051

10 x

Art. no.	BL	form	set	kg	PU
200032	18	straight	**10-pieces**	0,054	1

„Safety“ safety knife

Robust construction made from zinc die casting, large cutting depth, slider on the top, with automatic blade retraction to protect against cutting injuries, for cutting plastics, wallpaper, card, leather, plywood and carpet.

Art. no.	BL	TL	form	kg	PU
200021	22	148	straight	0,105	1

Utility knife

Utility knive with holder, tool-free blade change, with blade depot, ergonomic design with softgrip

Art. no.	BL	form	kg	PU
200059	20	straight	0,111	12

Utility knives

manufactured from zinc di-cast, with 4 straight blades and 1 hook blade

Art. no.	BL	TL	form	kg	PU
200026	20	145	straight	0,192	1

Loose knife, hooked blade

10-pieces, suitable for article 200021 + 200059 + 200026

10 x

Art. no.	BL	form	set	kg	PU
200028	20	hooked	**10-pieces**	0,004	1

Loose knife, trapezoidal blade

10-pieces, suitable for article 200021 + 200059 + 200026

10 x

Art. no.	BL	form	set	kg	PU
200030	20	trapezoidal	**10-pieces**	0,005	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Tin snips, tube cutters

Hole-cutting tin snips

with polished blade, carbon steel, figure cuts (large radii)

Art. no.	TL	kg	PU
200140	250	0,523	1

Figure tin snips

with polished blade, carbon steel, right-hand cutting, for short straight and figure cutting (small radii)

Art. no.	TL	kg	PU
200154	260	0,513	1

Small tube cutter

with 1 cutting wheel and dual roller guides
Ø 1/8“ - 5/8“

Art. no.	Ø		kg	PU
200190	3-16		0,107	1
200192		**loose spare wheels**	0,025	1

Tube cutter

with 1 cutting wheel and dual roller guides, retractable burr remover,
Ø 1/8“ - 1 3/8“

Art. no.	Ø		kg	PU
200194	3-35		0,401	1
200196		**loose spare wheels**	0,006	1

Saws, saw blades

Junior hacksaw

strong frame, nickel-plated

Art. no.	type	Sbl.	kg	PU
200280	metal	150	0,149	1

Junior hacksaw DIN 6473 C

hacksaw blade for metal

Art. no.	type	Sbl.	kg	PU
200284	metal	150	0,069	1

Junior hacksaw

heavy type, with pistol type handle and hacksaw blade for metal, form A

Art. no.	type	Sbl.	kg	PU
200285	metal	150	0,164	1

Junior hacksaw

heavy type, with pistol type handle and hacksaw blade for metal, form A

Art. no.	type	Sbl.	TL	kg	PU
200287	metal	150	260	0,164	1

Hand saw „PUK“

PREMIUM

with hacksaws blade for metal, with fixed, varnished wooden handle

Art. no.	type	Sbl.	kg	PU
200290 ✸	metal	150	0,100	1

Hand saw „PUK“

with adjustable, varnished wooden handle, in plastic bag

Art. no.	type	Sbl.	kg	PU
200292	metal	150	0,119	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Hacksaw blades „PUK“

acc. to DIN 6494C,
for Art. No. 200292, 200280, 200290, 200284, 200285, 200287, 110558

Art. no.	type	type	Sbl.	kg	PU
200286	wood	plastic	150	0,036	1

Hacksaw blades „PUK“

acc. to DIN 6494C,
for Art. No. 200292, 200280, 200290, 200284, 200285, 200287, 110558

Art. no.	type	type	Sbl.	kg	PU
200288	metal	universal	150	0,036	1

Hacksaw frame

PREMIUM

steel pipe with flat oval section, bright chrome-plated, tension bolt
made from steel, form A

Art. no.	type	Sbl.	kg	PU
200304 ✷	metal	300	0,408	1

Hacksaw blades to DIN 6494

type A, single sided blade HSS-Bi-metal

Art. no.	type	Sbl.	kg	PU
200310	metal	300	0,016	1

Drilling tools

haupa®
... convincing solutions

Twist drills DIN 338/HSS type N

point angle 118°, spiral angle 25 - 35°, Ø-tolerance h 8, of HSS, for drilling of steel, steel-casting alloyed and unalloyed up to approx. 900 N/mm² strength grey- and tempered casting, sinter iron, newsilver, graphit, alu-alloy, bronze and brass

Packaging unit in blister pack:
0,5 - 3,0 mm; 1 SPU = 3 pieces
3,2 - 6,0 mm; 1 SPU = 2 pieces
6,5 - 13,0 mm; 1 SPU = 1 piece

xxxxxx/CO = Cobalt
Packaging unit in blister pack:
1,0 - 3,0 mm; 1 SPU = 2 pieces
3,2 - 13,0 mm; 1 SPU = 1 piece

Art. no.	Ø	core-hole	SL	TL	VE
230010	0,5		6	22	1
230020	1		12	34	1
230020/CO					1
230030	1,5		18	40	1
230030/CO					1
230032	1,6	**M2**	20	43	1
230032/CO					1
230040	2		24	49	1
230040/CO					1
230050	2,5	**M3**	30	57	1
230050/CO					1
230060	3		33	61	1
230060/CO					1
230064	3,2		36	65	1
230064/CO					1
230066	3,3	**M4**	36	65	1
230066/CO					1
230070	3,5		39	70	1
230070/CO					1
230080	4		43	75	1
230080/CO					1
230084	4,2	**M5**	43	75	1
230084/CO					1
230090	4,5		47	80	1
230090/CO					1
230100	5	**M6**	52	86	1
230100/CO					1
230110	5,5		57	93	1
230110/CO					1
230120	6	**M7**	57	93	1
230120/CO					1
230130	6,5		63	101	1
230130/CO					1
230136	6,8	**M8**	69	101	1
230136/CO					1
230140	7		69	109	1
230140/CO					1
230160	8		75	117	1
230160/CO					1
230170	8,5	**M10**	75	117	1
230170/CO					1
230180	9		81	125	1
230180/CO					1
230190	9,5		81	125	1
230190/CO					1
230200	10		87	133	1
230200/CO					1
230204	10,2	**M12**	87	133	1
230204/CO					1
230210	10,5		87	133	1
230210/CO					1
230220	11		87	133	1
230220/CO					1
230230	11,5		94	142	1
230230/CO					1
230240	12	**M14**	101	151	1
230240/CO					1
230244	12,5		101	151	1
230244/CO					1
230250	13		101	151	1
230250/CO					1

Twist drills DIN 338/HSS type N

made from hight power steel, in plastic pocket

Technical information:
Standard version: Industrial quality, dressed to size from solid material, high true tuning precision, long tool life, cutter separate packet in plastic bags or as a set in a box.

/PB: as beside
/R: workshop quality, wheeled milled
/TIN: as beside, titanium nitride coating

Art. no.	Ø	set	kg	PU
230312	1 - 10	**19-pieces**	0,312	1
230312/R	1 - 10		0,284	1
230312/TIN	1 - 10		0,345	1
230314	1 - 13	**25-pieces**	1,270	1
230314/R	1 - 13		1,213	1
230314/TIN	1 - 13		1,290	1

Bulk storage chest for twist drills

HSS, DIN 338, 170 pieces, TYP N, short, ground, bright, with split point, TIN coated.
Contents: 1.0 - 10.0 mm (upstairs in 0.5 mm steps)
up to 8,0 mm 10 pieces/size
> 8,5 mm 5 pieces/size

Art. no.	set	kg	PU
230301/TIN	**170-pieces**	4,550	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Auger bit, type Lewis

Art. no.	TL	Ø	kg	PU
231502	460	6	0,005	1
231508	235	10	0,098	1
231516	235	14	0,005	1
231524	235	18	0,200	1
231526	460	18	0,468	1
231528	235	20	0,005	1
231530	460	20	0,005	1
231532	235	22	0,300	1
231534	450	22	0,642	1
231540	235	26	0,005	1
231544	235	28	0,005	1
231546	460	28	0,005	1

Drill type machine bits for wood

made from carbon steel, concentrically ground, with centre point and front cutter

Art. no.	TL	Ø	kg	PU
230616	70	3	0,005	1
230618	80	4	0,008	1
230620	90	5	0,011	1
230622	100	6	0,015	1
230626	120	8	0,031	1
230628	130	9	0,039	1
230630	137	10	0,047	1
230634	150	12	0,075	1
230636	170	13	0,088	1

Flat bits

with flat cutter head, square shank, DIN 6447 A

Art. no.	TL	Ø	shank	kg	PU
230732	150	10	6	0,041	1
230734	150	12	6	0,041	1
230736	150	14	6	0,048	1
230738	150	16	6	0,051	1
230740	150	18	6	0,047	1
230742	150	20	6	0,045	1
230746	150	24	6	0,045	1

Casing drill

With cylindrical clamping shaft, cutting element made of chrome vanadium steel

Art. no.	TL	Ø	kg	PU
231750	400	6	0,100	1
231752	400	8	0,005	1
231754	400	10	0,160	1
231756	400	12	0,200	1
231758	400	13	0,200	1
231760	400	17	0,005	1
231766	400	22	0,200	1

Drills

Masonry drills DIN 8039

carbide tipped, with straight shank, each piece in plastic pocket

Art. no.	TL	Ø	CL	kg	PU
230330	70	3	40	0,003	1
230331	75	3,5	45	0,056	1
230332	80	4	45	0,008	1
230334	85	4,5	50	0,008	1
230336	90	5	50	0,011	1
230338	95	5,5	55	0,012	1
230340	100	6	60	0,018	1
230342	105	6,5	65	0,018	1
230344	110	7	65	0,018	1
230346	120	8	70	0,027	1
230352	140	10	90	0,035	1
230354	150	11	95	0,082	1
230356	160	12	105	0,090	1
230358	170	13	110	0,100	1
230360	180	14	115	0,120	1
230362	190	15	125	0,165	1
230364	190	16	125	0,092	1

Masonry drills DIN 8039

carbide tipped, with straight shank, each piece in plastic pocket

Art. no.	TL	Ø	CL	kg	PU
230370	400	8	300	0,130	1
230372	400	10	300	0,124	1
230374	400	12	300	0,143	1
230376	400	14	300	0,316	1
230378	400	16	300	0,232	1
230380	400	18	300	0,460	1
230382	400	20	300	0,608	1
230400	600	8	500	0,222	1
230402	600	10	500	0,222	1
230404	600	12	500	0,330	1
230406	600	14	500	0,463	1
230408	600	16	500	0,568	1
230410	600	18	500	0,715	1
230412	600	20	500	0,896	1
230414	600	22	500	1,164	1

Masonry drill bit

High-Helix Masonry drill bit, sand blasted, countersink construction, professional quality

Art. no.	TL	Ø	kg	PU
231700	70	3	0,007	1
231702	85	4	0,011	1
231704	95	5	0,017	1
231706	100	6	0,018	1
231708	100	7	0,020	1
231710	120	8	0,027	1
231712	120	9	0,030	1
231714	120	10	0,035	1
231716	150	11	0,090	1
231718	150	12	0,100	1

SDS hammer drill bits

Top quality: SDS-Plus fast fitting system: 2 lengthwise slots and 2 round slots at the end of the shank. Universal tool fitting for different types of hammer drills according to the SDS-Plus system

Art. no.	TL	Ø	CL	kg	PU
230430	110	5	50	0,037	1
230431	160	5	100	0,042	1
230432	110	5,5	50	0,037	1
230433	160	5,5	100	0,045	1
230434	110	6	50	0,039	1
230436	160	6	100	0,045	1
230438	110	6,5	50	0,038	1
230438/A	160	7	100	0,050	1
230438/B	160	6,5	100	0,047	1
230440	110	7	50	0,041	1
230442	110	8	50	0,046	1
230442/A	160	8	100	0,056	1
230444	210	8	150	0,064	1
230444/A	460	8	400	0,150	1
230448	160	10	100	0,065	1
230450	210	10	150	0,087	1
230450/A	260	10	150	0,118	1
230451	460	10	400	0,192	1
230453	210	12	150	0,107	1
230454	160	12	100	0,097	1
230456	260	12	200	0,159	1
230457	460	12	400	0,263	1
230458	160	13	85	0,111	1
230459	600	12	540	0,286	1
230460	160	14	100	0,087	1
230460/A	260	14	200	0,171	1
230461	460	14	400	0,257	1
230464	210	16	150	0,197	1
230466	460	16	400	0,418	1
230467	600	14	540	0,339	1
230473	600	16	540	0,561	1
230474	210	20	150	0,246	1
230475	460	18	400	0,475	1
230478/1	600	10	540	0,270	1
230395	460	20	400	0,585	1
230396	600	20	540	0,737	1
230397	460	22	400	0,669	1
230398	460	25	400	0,998	1

SDS-Nut-hammer drill sets

Contents: 5, 6, 8 x 110 / 6, 8, 10, 12 x 160

Art. no.	set	kg	PU
230479	**7-pieces**	0,679	1

SDS hammer drill bits

Workshop quality: SDS-Plus fast fitting system: 2 lengthwise slots and 2 round slots at the end of the shank. Universal tool fitting for different types of hammer drills according to the SDS-Plus system

Art. no.	TL	Ø	CL	kg	PU
230900 ✸	110	5	50	0,036	1
230902	160	5	100	0,042	1
230904	110	5,5	50	0,036	1
230906/1	160	5,5	100	0,043	1
230908 ✸	110	6	50	0,040	1
230910 ✸	160	6	100	0,045	1
230912	110	6,5	50	0,041	1
230914	160	6,5	100	0,045	1
230916 ✸	110	7	50	0,040	1
230918	160	7	100	0,045	1
230920	110	8	50	0,045	1
230922 ✸	160	8	100	0,055	1
230924	210	8	150	0,067	1
230926 ✸	160	10	100	0,068	1
230928	210	10	150	0,095	1
230930/1	260	10	150	0,107	1
230932	450	10	400	0,155	1
230934	600	10	540	0,365	1
230936	260	11	210	0,070	1
230938	160	12	100	0,077	1
230940	210	12	150	0,106	1
230942	310	12	260	0,120	1
230944	460	12	400	0,250	1
230946	600	12	540	0,315	1
230948	160	13	100	0,085	1
230950	160	14	100	0,200	1
230952	260	14	210	0,250	1
230954/1	460	14	400	0,300	1
230956	600	14	540	0,365	1
230958	160	15	100	0,120	1
230960	210	16	150	0,195	1
230962/1	460	16	400	0,346	1
230964	600	16	540	0,418	1
230966	200	18	140	0,180	1
230968	460	18	400	0,395	1
230970	210	20	150	0,221	1
230972	310	20	250	0,383	1
230974	460	20	400	0,503	1
230976	460	22	400	0,583	1
230978	460	25	400	0,753	1

SDS-hammer drill sets

Contents: 5, 6 x 110, 6, 8, 10 x 160

Art. no.	set	kg	PU
230979	**5-pieces**	0,261	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Step drills

Combination step drills/HSS

for metric PG rough thread-through-hole and core-hole-drillings, 6 drilling diameters for core-hole with 5 mm step for sheet metal up to max. 6 mm.
Through-hole: 8,5 – 12,5 – 16,5 – 20,5 – 25,5 – 32,5 – 40,5 mm
core-hole: 10,5 (M12) – 14,5 (M16) – 18,5 (M20) – 23,5 (M25) – 30,5 (M32) – 38,5 (M40)

Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231319 ✷	12	8,5	40,5	0,269	1

Step drills /HSS

Special type for electric assembly, for sheet metal up to max. 4 mm gauge, for metric thread through-hole drilling,
8,5 – 12,5 – 16,5 – 20,5 – 25,5 – 32,5 – 40,5 mm

Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231324	12	8,5	40,5	0,199	1

Step drills /HSS

thickness up to max. 6 mm, for metric core-hole-drilling,
8,5 - 10,5 - 14,5 - 18,5 - 23,5 - 30,5 mm

Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231326	12	8,5	30,5	0,208	1

PDF

Step drills /HSS

special type for electric assembly, for sheet steel up to 4 mm thickness, for amoured conduit thread sizes

Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231320	12	7	40	0,237	1
231322	10	7	21	0,151	1

Step drills /HSS

for mechanical engineering and tinsmith working, with 2 cutters, metric

Art. no.	shankt/Ø	min./Ø	max./Ø	kg	PU
231336	6	4	12	0,027	1
231338	9	12	20	0,079	1
231340	12	20	30	0,203	1
231342	12	30	40	0,371	1
231350	6	4	12	0,027	1
231352	8	4	20	0,059	1
231354	10	6	30	0,162	1

Step drills assortment/HSS

3 pieces, for mechanical engineering and tinsmith working, with 2 cutters.

Contents:
Ø 4 - 12 mm, Ø 12 - 20 mm, Ø 20 - 30 mm

Art. no.	Ø	set	kg	PU
231327	4 - 30	**3-pieces**	0,597	1

Rotary guide value for step drills/cone drills

Material	unleg. Baustahl < 700 N/mm² Mild steel < 700 N/mm²	unleg. Baustahl > 700 N/mm² Mild steel > 700 N/mm²	leg. Stahl < 1000 N/mm² Alloy steel < 1000 N/mm²	Gußeisen < 250 N/mm² Cast iron < 250 N/mm²	Gußeisen > 250 N/mm² Cast iron > 250 N/mm²	Edelstahl rostfrei Stainless steel	CuZn Leg. spröde CuZn alloy brittle	CuZn Leg. zäh CuZn alloy tough	AL Leg. < 11% Si Alloy steel < 11% Si	Thermo-plaste Thermo plastic	Duro-plaste Duro plastic	Holz Wood
Materialstärke Material gauge	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	3,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	25,0 mm
Kühlung Lubricant	Bohrpaste Drilling paste	Bohrpaste Drilling paste	Bohrpaste Drilling paste	Luft Air	Luft Air	Bohrpaste Drilling paste	Luft Air	Luft Air	Bohrpaste Drilling paste	H^2O H^2O	Luft Air	Luft Air
Vc = m / min	25	20 - 25	20	15	10	5	60	35	30	20	15	> 40
ø mm	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m
4,0 - 12,0	1900 - 600	1700 - 580	1550 - 520	1190 - 400	800 - 250	400 - 130	4700 - 1550	2750 - 920	2350 - 790	1550 - 520	1190 - 400	3000 - 1000
4,0 - 20,0	1900 - 400	1700 - 350	1550 - 300	1190 - 240	800 - 160	400 - 80	4700 - 950	2750 - 550	2350 - 470	1550 - 300	1190 - 240	3000 - 650
12,0 - 20,0	600 - 400	600 - 350	520 - 300	400 - 240	250 - 160	130 - 80	1550 - 950	920 - 550	790 - 470	520 - 300	400 - 240	1000 - 650
4,0 - 24,0	1900 - 300	1700 - 280	1550 - 250	1190 - 200	800 - 130	400 - 65	4700 - 790	2750 - 460	2350 - 400	1550 - 250	1190 - 200	3000 - 550
6,0 - 30,0	1300 - 250	1200 - 230	1000 - 200	780 - 150	530 - 100	250 - 50	3150 - 630	1850 - 370	1590 - 310	1000 - 200	780 - 150	2100 - 420
20,0 - 30,0	400 - 250	350 - 230	300 - 200	230 - 150	160 - 100	80 - 50	950 - 630	550 - 370	470 - 310	300 - 200	230 - 150	650 - 420
6,0 - 36,0	1300 - 220	1200 - 200	1000 - 170	780 - 130	530 - 90	250 - 45	3150 - 530	1850 - 300	1590 - 260	1000 - 170	780 - 130	2100 - 350
30,0 - 40,0	250 - 200	230 - 180	200 - 150	150 - 120	100 - 80	50 - 40	630 - 470	370 - 280	310 - 240	200 - 150	150 - 120	420 - 310
40,0 - 50,0	200 - 160	180 - 140	150 - 125	120 - 90	80 - 65	40 - 30	470 - 380	280 - 220	240 - 190	150 - 125	120 - 90	310 - 250
50,0 - 60,0	160 - 130	140 - 110	125 - 100	90 - 80	65 - 50	30 - 25	380 - 310	220 - 185	190 - 150	125 - 100	90 - 80	250 - 210

haupa®
... convincing solutions
Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Cone drills

Cone drills/Aerial drills/HSS

for edgefree drilling of thin material

Art. no.		shankt/Ø	min./Ø	max./Ø	kg	PU
231300		6	3	14	0,027	1
231301		8	6	20	0,055	1
231330		8	6	22,5	0,085	1
231302		10	16	30	0,139	1
231304		12	26	40	0,265	1
231305	✸	10	6	30	0,166	1
231306		12	36	50	0,350	1
231307		13	46	60	0,551	1

Set of cone drills/HSS

3 pieces, in metal box.

1 piece each No. 1, 2, 3 (Ø 3 - 30 mm), suitable for NE material, soft steel sheet, similar to St 14 - 37, Nirosta steel sheet A 2, for duro or thermo plastic

Art. no.	Ø	set	kg	PU
231312	3 - 30	**3-pieces**	0,510	1

Screw punches

Screw punches

matching for cable connection acc. the new Euro-Norm EN 50262, with 3 cutting edges for iron sheet up to 2 mm, steel sheet up to 1,5 mm, stainless-steel sheet up to 1,5 mm thickness

Art. no.				screws	kg	PU
180513	**metric**	ISO 16		180530	0,101	1
180515	**metric**	ISO 20		180530	0,115	1
180517	**metric**	ISO 25		180530	0,154	1
180519	**metric**	ISO 32		180532	0,320	1
180521	**metric**	ISO 40		180532	0,950	1
180523	**metric**	ISO 50		180534	0,636	1
180525	**metric**	ISO 63		180534	0,974	1
180500	**PG**	PG9		180530	0,097	1
180502	**PG**	PG11		180530	0,106	1
180504	**PG**	PG13,5		180530	0,115	1
180506	**PG**	PG16		180530	0,100	1
180508	**PG**	PG21		180530	0,176	1
180510	**PG**	PG29		180532	0,400	1
180512	**PG**	30,5		180534	0,202	1
180514	**PG**	PG36		180534	0,590	1
180516	**PG**	PG42		180534	1,250	1
180518	**PG**	PG48		180534	0,319	1
180520	**PG**	1 1/8"		180530	0,250	1

Spare screws

Spare screws for screw punches

Art. no.	size	kg	PU
180530	M 10 x 1,0	0,048	1
180532	M 12 x 1,5	0,070	1
180534	M 16 x 1,5	0,139	1

PDF

Rotary guide value for step drills/cone drills

Material	unleg. Baustahl < 700 N/mm² Mild steel < 700 N/mm²	unleg. Baustahl > 700 N/mm² Mild steel > 700 N/mm²	leg. Stahl < 1000 N/mm² Alloy steel < 1000 N/mm²	Gußeisen < 250 N/mm² Cast iron < 250 N/mm²	Gußeisen > 250 N/mm² Cast iron > 250 N/mm²	Edelstahl rostfrei Stainless steel	CuZn Leg. spröde CuZn alloy brittle	CuZn Leg. zäh CuZn alloy tough	AL Leg. < 11% Si Alloy steel < 11% Si	Thermo-plaste Thermo plastic	Duro-plaste Duro plastic	Holz Wood
Materialstärke Material gauge	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	3,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	6,0 mm	25,0 mm
Kühlung Lubricant	Bohrpaste Drilling paste	Bohrpaste Drilling paste	Bohrpaste Drilling paste	Luft Air	Luft Air	Bohrpaste Drilling paste	Luft Air	Luft Air	Bohrpaste Drilling paste	H^2O H^2O	Luft Air	Luft Air
Vc = m / min	25	20 - 25	20	15	10	5	60	35	30	20	15	> 40
ø mm	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m	U/min r.p.m
4,0 - 12,0	1900 - 600	1700 - 580	1550 - 520	1190 - 400	800 - 250	400 - 130	4700 - 1550	2750 - 920	2350 - 790	1550 - 520	1190 - 400	3000 - 1000
4,0 - 20,0	1900 - 400	1700 - 350	1550 - 300	1190 - 240	800 - 160	400 - 80	4700 - 950	2750 - 550	2350 - 470	1550 - 300	1190 - 240	3000 - 650
12,0 - 20,0	600 - 400	600 - 350	520 - 300	400 - 240	250 - 160	130 - 80	1550 - 950	920 - 550	790 - 470	520 - 300	400 - 240	1000 - 650
4,0 - 24,0	1900 - 300	1700 - 280	1550 - 250	1190 - 200	800 - 130	400 - 65	4700 - 790	2750 - 460	2350 - 400	1550 - 250	1190 - 200	3000 - 550
6,0 - 30,0	1300 - 250	1200 - 230	1000 - 200	780 - 150	530 - 100	250 - 50	3150 - 630	1850 - 370	1590 - 310	1000 - 200	780 - 150	2100 - 420
20,0 - 30,0	400 - 250	350 - 230	300 - 200	230 - 150	160 - 100	80 - 50	950 - 630	550 - 370	470 - 310	300 - 200	230 - 150	650 - 420
6,0 - 36,0	1300 - 220	1200 - 200	1000 - 170	780 - 130	530 - 90	250 - 45	3150 - 530	1850 - 300	1590 - 260	1000 - 170	780 - 130	2100 - 350
30,0 - 40,0	250 - 200	230 - 180	200 - 150	150 - 120	100 - 80	50 - 40	630 - 470	370 - 280	310 - 240	200 - 150	150 - 120	420 - 310
40,0 - 50,0	200 - 160	180 - 140	150 - 125	120 - 90	80 - 65	40 - 30	470 - 380	280 - 220	240 - 190	150 - 125	120 - 90	310 - 250
50,0 - 60,0	160 - 130	140 - 110	125 - 100	90 - 80	65 - 50	30 - 25	380 - 310	220 - 185	190 - 150	125 - 100	90 - 80	250 - 210

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Diamond hollow core cutters

Carrier turned from solid material, suitable for soft materials and brickwork, concrete and artificial stone, takes M 16, without receiving shaft and centre drill, laser-welded, use only without impact

Art. no.	Ø	shank	kg	PU
230676	68	-	0,453	1
230677	82	-	0,590	1

Diamond hollow core cutters

shank M 16, with tapered cylindrical drill bit, laser-welded, use only without impact

Art. no.	Ø	shank	kg	PU
230676/K	68	SDS-plus	0,672	1
230677/K	82	SDS-plus	0,764	1

Diamond hollow core cutter special

Diamond drill bit for socket outlets with laser wielded segments, suitable for soft materials and brickwork, concrete and artificial stone, optimal rotating speed 800 - 1.000 U/min, maximum rotating speed 1.600 – 1.800 U/min, use only without impact

Art. no.	Ø	shank	kg	PU
230885/K	68	SDS-plus	0,450	1
230886/K	82	SDS-plus	0,787	1

Drill for Diamond hollow core cutters

tapered shank

Art. no.	TL	Ø	kg	PU
230679	120	9	0,044	1

Shank for hollow core cutters, SDS-Plus

SDS-Plus-shank, M 16, conic

Art. no.	TL	shank	kg	PU
230681/K	100	SDS-plus	0,150	1

Cutting discs

Diamond cutting blades

laser-welded, high diamond concentration, long life, for the professional works
– Industrial quality –

Art. no.	Ø		kg	PU
230689	115		0,100	1
230691	125		0,149	1
230720	135	**(FUBAG)**	0,193	1
230721	140	**(FLEX)**	0,219	1
230704	150		0,245	1
230705	180		0,317	1
230706	230		0,700	1
230711	300		1,256	1

Diamond cutting blades

sintered – Profi Quality –

Art. no.	Ø	kg	PU
230701	115	0,132	1
230702	125	0,169	1
230708	180	0,339	1
230709	230	0,681	1

Diamond cutting blades, FL tiles

– Profi Quality –, continuous rim. universal application,
granite, tiles, ceramics, stone- and marble-flatters

Art. no.	Ø	kg	PU
230714	115	0,121	1

Diamond cutting blades, TBM Turbo

– Profi quality –

Art. no.	Ø	kg	PU
230722	115	0,120	1
230723	125	0,134	1
230725	230	0,706	1

INFO

Diamond cutting discs — Industrial quality

A new generation for metalworking.

These HAUPA discs can cut **everything but stone**! From iron, stainless steel, PVC etc. through to wood, simply everything. This is a special feature and innovative since these cutting discs are usually only used for cutting stone.

The advantage of these diamond cutting discs compared to an ordinary disc is, above all, the durability, which is 20-40 times the norm! And there is no limit on storage. Ordinary cutting discs will become porous after 2-3 years. HAUPA cutting discs can be stored for a lifetime and beyond. The main arguments in favour of the HAUPA cutting discs are the fact that the diameter is never reduced, there is a much lower incidence of sparks and thus considerably less odour is produced.

All the benefits at a glance:

- Versatile scope of application (metal profiles, iron, die cast, steel, steel pipes, wood, Inox, GRP, CFP, polycarbonate, stoneware, fine stoneware)
- Constantly maintained diameter, thus always full cutting depth
- High cutting speed
- High level of durability (20 - 40 times more than normal, depending on materials cut)
- Reduced incidence of sparks
- Reduced odour development
- Unlimited storage times

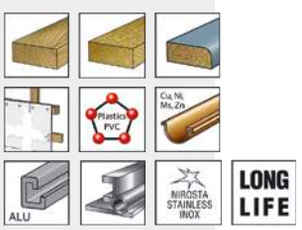
Diamond cutting disk „Spezial“

PREMIUM

Short-toothed vacuum coating of a new generation for metal work.
High diamond concentration enables the processing of materials impossible with traditional diamond tools.

- Versatile areas of application (metal profiles, iron, cast, steel, steel pipes, wood, Inox, GRP, CFRP, polycarbonate, masonry, fine masonry)
- High cutting speed
- High stand time
- Reduced spark formation
- Reduced odour development
- Can be stored with no time restrictions
- Constant diameter, thus always full cutting depth

Video 230727



Art. no.		Ø	kg	PU
230727		115	0,120	1
230731	✸	125	0,134	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller PREMIUM Premium product

INFO

Hole saws **Industrial quality**

The performance of a saw blade depends on the base material quality, the kind of toothing and the tooth geometry. These factors guarantee in conjunction with the correct use of the machine and blade selection the optimum result in cutting
all materials.

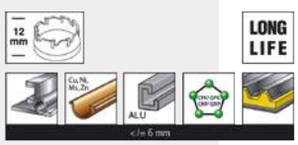
- Above average concentricity
- Even cutting performance
- Extremely quiet operation even at high speeds
- True diameter
- High resistance even with high loads and torques
- Fast progress thanks to aggressive and permanently sharp cutting performance
- Highest lifetime even with very hard materials such as cast and stainless steel

T.C.T. Hole Saw

High concentricity and smooth cutting through strong construction. Precise and clean cut. Large tungsten carbide inserts for resharping and long lifetime. Hole saw comes complete with shank, drill bit, ejector spring and allen key. Long lifetime. **Especially for:** Flat materials of steel, cast steel, stainless steel (up to 4 mm), Chrome-nickel Steel (up to 2 mm), non-ferrous metals, glassfibre and carbon-fibre reinforced products (CRP, GRP), epoxy, reinforced textures and sandwich-materials (up to 6 mm).

Video

PREMIUM



Art. no.	Ø	St	drill-Ø	kg	PU
392100	16	12	6,5	0,095	1
392102	20	31	6,5	0,115	1
392104	22	31	6,5	0,135	1
392106	22,5	31	6,5	0,155	1
392108	25	31	6,5	0,175	1
392110	30	31	6,5	0,195	1
392112	32	31	6,5	0,215	1
392114	35	31	6,5	0,235	1
392116	40	31	6,5	0,255	1
392118	50	31	6,5	0,275	1
392120	60	31	6,5	0,295	1

T.C.T. center drill for hole saw arbors

Art. no.	TL	Ø	kg	PU
392122	100	6,5	0,020	1

Spring for hole saw arbors

Art. no.		kg	PU
392124	**spring**	0,005	1

T.C.T. Hole Saw Fastcut

PREMIUM

Very fast and aggressive cut in wood due to large exhaust slots.
Especially for: wood materials up to 60 mm.

Video

Art. no.	Ø/Inch	Ø	St	drill-Ø	kg	PU
231942	3/4	19	50	6,35	0,047	1
231944	7/8	22	50	6,35	0,062	1
231946	1	25	50	6,35	0,077	1
231948	1 1/6	27	50	6,35	0,092	1
231950	1 3/16	30	50	6,35	0,115	1
231952	1 1/4	32	50	6,35	0,122	1
231954	1 3/8	35	50	6,35	0,133	1
231956	1 9/16	40	50	6,35	0,123	1
231958	1 3/4	44	50	6,35	0,144	1
231960	2	51	50	6,35	0,179	1
231962	2 1/8	54	50	6,35	0,198	1
231964	2 3/8	60	50	6,35	0,206	1
231966	2 1/2	64	50	6,35	0,267	1
231968	2 9/16	65	50	6,35	0,279	1
231970	2 11/16	68	50	6,35	0,275	1
231972	2 3/4	70	50	6,35	0,316	1
231974	3	76	50	6,35	0,298	1
231976	3 1/8	79	50	6,35	0,379	1
231978	3 1/4	83	50	6,35	0,428	1
231980	4	102	50	6,35	0,591	1
231982	4 1/2	114	50	6,35	0,773	1

Bi-Metal Hole Saws 10 tpi — 8% Cobalt

Finely toothed, 10 tpi, made of high quality, cobalt-alloyed bi-metal for clean and fast cuts and a long lifetime. Massive back plate ensures a smooth cut and precise holes for threads, cable and pipe lead-throughs. **Especially for:** steel and stainless steel, sheet metal up to 1 mm.

Video

Art. no.	Ø	St	drill-Ø	kg	PU
392050	16	31	6,5	0,036	1
392052	19	31	6,5	0,039	1
392054	20	31	6,5	0,046	1
392056	21	31	6,5	0,052	1
392058	22	31	6,5	0,055	1
392060	24	31	6,5	0,059	1
392062	25	31	6,5	0,064	1
392064	29	31	6,5	0,070	1
392066	30	31	6,5	0,077	1
392070	38	31	6,5	0,092	1
392072	40	31	6,5	0,098	1

Hole saw with edge countersink and board ejector

For setting wall-flush sockets, Ø 68 mm

- Cutting depth 40 mm
- High concentricity
- Specially for plasterboard, softwood, plywood, Fermacell etc.
- 11 mm hexagonal holder
- In plastic box

Art. no.	Ø/Inch	Ø	drill-Ø	St	kg	PU
231929	2 11/16	68	6,35	35	0,360	1

Bi-Metal Hole Saws 4 - 6 tpi — 8% Cobalt

Variable toothing of 4 - 6 tpi and high quality, cobaltalloyed bi-metal for clean and fast cuts and a long lifetime. Massive back plate ensures a smooth cut and precise holes for sockets, threads, cable and pipe lead-throughs. **Especially for:** Wood, gypsum board, plastics, non-ferrous metals, aluminium steel and stainless steel minimum 1 mm. Special cutting depth on request.

Video

Art. no.	Ø/Inch	Ø	St	drill-Ø	kg	PU
231803	9/16	14		6,35	0,036	1
231900	3/4	19	35	6,35	0,036	1
231901/21		21	30	6,5	0,050	1
231902	7/8	22	35	6,35	0,046	1
231904	1	25	35	6,35	0,071	1
231904/29		29	30	6,5	0,050	1
231906	1 1/6	27	35	6,35	0,075	1
231908	1 3/16	30	35	6,35	0,079	1
231910	1 1/4	32	35	6,35	0,085	1
231912	1 3/8	35	35	6,35	0,092	1
231912/38		38	30	6,5	0,050	1
231914 ✸	1 9/16	40	35	6,35	0,086	1
231914/46		46	30	6,5	0,050	1
231916	1 3/4	44	35	6,35	0,105	1
231918 ✸	2	51	35	6,35	0,133	1
231920	2 1/8	54	35	6,35	0,145	1
231922	2 3/8	60	35	6,35	0,168	1
231924	2 1/2	64	35	6,35	0,192	1
231926	2 9/16	65	35	6,35	0,198	1
231928 ✸	2 11/16	68	35	6,35	0,214	1
231930	2 3/4	70	35	6,35	0,223	1
231931 ✸	2 7/8	73	35	6,35	0,236	1
231932	3	76	35	6,35	0,253	1
231934	3 1/8	79	35	6,35	0,275	1
231936 ✸	3 1/4	83	35	6,35	0,304	1
231938	4	102	35	6,35	0,429	1
231939/111		111	30	6,5	0,050	1
231940	4 1/2	114	35	6,35	0,549	1
231940/127		127	30	6,5	0,050	1
231940/152		152	30	6,5	0,650	1
231940/210		210	30	6,5	0,850	1

PU Packing unit PE Price unit

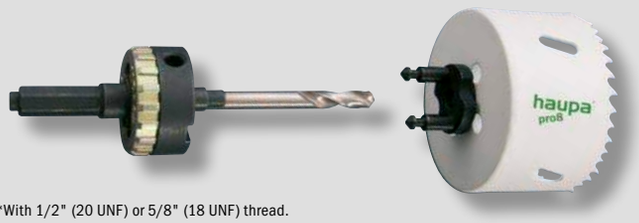
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

INFO

Professional Quick Release System for Hole Saws

- Change quickly in seconds between the different diameters and various types of hole saws.
- One arbor for all diameters between 14 - 210 mm.
- Absolute concentricity and diameter true to size.
- Compact "heavy duty" design for highest demands and very long life.
- No time-consuming seizing up of the hole saw onto the thread of the arbor.
- Runs two hole saws at the same time. A smaller diameter guides as a centering aid when enlarging already existing holes.
- Fits all standard hole saw brands.*



*With 1/2" (20 UNF) or 5/8" (18 UNF) thread.

Quick change holder for hole saws „RE-LOAD“ RE-LOAD

for all diameters from 14-210 mm, 9.5 mm hexagonal shank

Video

PREMIUM

Art. no.	size	shankt/Ø	kg	PU
392010	14 - 210	9,5	0,100	1

Adapter assortment for holder „RE-LOAD“ RE-LOAD

PREMIUM

Art. no.	set	kg	PU
392012	**5 x Ø 14-30 mm**	0,100	1
392014	**5 x Ø 32-210 mm**	0,075	1
392016	**2 x Ø 14-30 mm, 3 x Ø 32- 210 mm**	0,065	1

Adapter assortment for hole enlarger „RE-LOAD“ RE-LOAD

1 x Ø 14 - 30 mm, 1 x Ø 32 - 210 mm

PREMIUM

Art. no.	size	shankt/Ø	kg	PU
392018	14 - 210	9,5	0,050	1

Centre drill for holder „RE-LOAD“ RE-LOAD

PREMIUM

Art. no.	TL	Ø	kg	PU
392020	100	6,5	0,030	1
392022	100	6,5	0,030	1

Hex shank with plug ejection

hexagon shank

Art. no.	size	shankt/Ø	kg	PU
392028	32 - 210	9,5	0,050	1

SDS-shank

11 mm (14 - 30 mm)

Art. no.	size	shankt/Ø	kg	PU
392024	14 - 30	11	0,050	1

SDS-shank

11 mm (32 - 210 mm)

Art. no.	size	shankt/Ø	kg	PU
392026	32 - 210	11	0,050	1

Adapter „QuickLock“

hexagon shank

Art. no.	size	shank	kg	PU
231998	14-30	hexagon	0,067	1
231999 ✷	32-152	hexagon	0,107	1

Centre drills for 231998 / 231999

Art. no.	TL	type	Ø	shank	kg	PU
232007	120	universal	9	hexagon	0,020	1

haupa®

... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Bi-metal hole saw set

RE-LOAD

Set in black plastic case, dimensions: 255 x 210 x 72 mm

Contents:
- Hole saws bi-metal 35 mm
- Hole saws bi-metal 68 mm
- Hole saws bi-metal 76 mm
- Quick change holder for hole saws „RE-LOAD“
- 3 adapters for holder „RE-LOAD“ 32 – 210 mm

Video

Art. no.	Content	kg	PU
231984	**3-pieces**	1,300	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Drilling tools

haupa®
... convincing solutions

HSS taps "Direct cutter"

with intermittent teeth, dimensions to DIN 371, or ISO metric thread to DIN 13

Art. no.	shank	thread	kg	PU
230982	4,5	4	0,008	1
230984	6	5	0,014	1
230986	6	6	0,017	1
230988	6	8	0,012	1

Taps for armoured steel conduits, metric thread

Art. no.	thread	kg	PU
140236	16	0,040	1
140238	20	0,060	1
140240	25	0,206	1
140242	32	0,359	1
140244	40	0,648	1
140246	50	0,230	1
140248	63	1,688	1

Adjustable tap wrenches

short pattern

Art. no.	thread	tap wrench	kg	PU
140180	M 7-25	21	0,850	1
140182	M 32-63	48	1,900	1

Nipple threading dies

with guide, replaceable dies and taps

Art. no.	thread	kg	PU
140190	M 10	0,100	1
140192	M 13	0,130	1

Nipple threading dies

with guide, replaceable dies and tap

Art. no.	thread	kg	PU
140210	M 10, M 13	0,210	1

Complete stocks, metric thread

Art. no.	thread	kg	PU
140214	M 16, M 20, M 25	1,000	1
140216	M 20, M 25	1,350	1
140218	M 32, M 40	2,850	1
140220	M 50, M 63	3,500	1

Dies, metric thread

Art. no.	Dimensions	thread	kg	PU
140222	47 x 47	M16	0,175	1
140224	47 x 47	M20	0,138	1
140226	47 x 47	M25	0,145	1
140228	70 x 70	M32	0,477	1
140230	70 x 70	M 40	0,130	1
140232	100 x 100	M 50	0,980	1
140234	100 x 100	M 63	0,791	1

Guides, metric

Art. no.	thread	kg	PU
140250	16	0,037	1
140252	20	0,040	1
140254	25	0,035	1
140256	32	0,030	1
140258	40	0,060	1
140260	50	0,070	1
140262	63	0,134	1

Screw extractor set

Art. no.	size	kg	PU
230682	1-5/M3-18	0,111	1
230683	1-6/M3-24	0,231	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Hand taps DIN 352, type N/HSS

set of 3, for ISO metric thread to DIN, 1, 2, 3-cutter, made of HSS, for pass-through threading, for good chipping steel up to approx. 900 N/mm²

Art. no.	shankt/Ø	thread	kg	PU
230800	2,5	1	0,010	1
230802	2,5	1,4	0,010	1
230804	2,5	1,6	0,002	1
230806	2,5	1,8	0,002	1
230808	2,8	2	0,002	1
230810	2,8	2,2	0,002	1
230812	2,8	2,5	0,002	1
230814	3,5	3	0,003	1
230816	4	3,5	0,004	1
230818	4,5	4	0,004	1
230820	5,5	4,5	0,005	1
230822	6	5	0,034	1
230824	6	6	0,035	1
230826	6	7	0,039	1
230828	6	8	0,046	1
230830	7	9	0,065	1
230832	7	10	0,071	1
230834	8	11	0,025	1
230836	9	12	0,115	1
230838	11	14	0,052	1
230840	12	16	0,062	1
230842	14	18	0,102	1
230844	16	20	0,125	1
230846	18	22	0,182	1
230848	18	24	0,205	1
230850	20	27	0,260	1
230852	22	30	0,395	1
230854	25	33	0,480	1
230856	28	36	0,645	1
230858	32	39	0,820	1
230860	32	42	0,930	1
230862	36	45	1,140	1
230864	36	48	1,370	1
230866	40	52	1,650	1
230868	45	56	2,800	1
230870	45	60	2,900	1

Ratchet wrenches

for right-hand and left-hand action

Art. no.	thread	Zoll	TL	shank	kg	PU
231070	M3 - 10	1/8 - 3/8	85	2,4 - 5,5	0,173	1
231072	M5 - 12	7/32 - 1/2	100	4,5 - 8,0	0,272	1
231074	M3 - 10	1/8 - 3/8	250	2,4 - 5,5	0,250	1
231076	M5 - 12	7/32 - 1/2	300	4,5 - 8,0	0,440	1

HSS taps set

with taps to DIN 352, in metal box,
Contents: M3, M 4, M 5, M 6, M 8, M 10, M 12

Art. no.	set	kg	PU
231080	**23-pieces**	0,696	1

Combi, threading bit set, made of HSSG SGE-Bit (DBGM)

for drilling, threading and countersinking, for stand drilling machines and hand drills, suitable for steel and NE metal up to 1 xd (M 6 = 6 mm thickness of material), up to 600 N/mm² tensile strength, rpm according to the cutting speeds of the tride, in metal box
Contents: M 3, 4, 5, 6, 8, 10

Art. no.	set	kg	PU
231082	**7-pieces**	0,188	1

Adjustable tap wrenches DIN 1814

for taps

Art. no.	thread	tap wrench	kg	PU
231050	M1 - 8	0	0,050	1
231052	M1 - 10	1	0,099	1
231054	M1 - 12	1,5	0,097	1
231056	M4 - 12	2	0,285	1
231058	M5 - 21	3	0,700	1
231060	M9 - 27	4	1,270	1
231062	M12 - 33	5	1,630	1
231064	M19 - 38	6	4,520	1

HSS Tap set

Contents:
hand tap (DIN 352) M 3, 4, 5, 6, 8, 10, 12
Dies (DIN 223) M 3, 4, 5, 6, 8, 10, 12,
Dies stock 20 x 5/20 x 7/25 x 9/30 x 11/38 x 14 mm
tape holder size 1 + 2, in a practical plastic case

Art. no.	set	kg	PU
231280	**23-pieces**	3,700	1

HSS Tap set

Contents:
Hand tap (DIN 352) M 3, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20
Dies (DIN 223) M 3, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20
Dies holder 20 x 7/25 x 9/30 x 11/38 x 14/ 45 x 18 mm
Tap holder size 1, 2 + 3, in a practical plastic case

Art. no.	set	kg	PU
231282	**25-pieces**	8,200	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Screws, dowels

haupa®

... convincing solutions

Universal countersunk screw

Chipboard screw, galvanised, counter-sunk head, Pozidriv

Art. no.	TL	Ø		drive	kg	PE	PU
790005	15	3,0	PZ	2	0,002	100	200
790006	25	3,0	PZ	2	0,002	100	200
790008	40	3,0	PZ	2	0,002	100	200
790015	20	3,5	PZ	2	0,001	100	200
790016	25	3,5	PZ	2	0,001	100	200
790017	30	3,5	PZ	2	0,002	100	200
790018	35	3,5	PZ	2	0,002	100	200
790079	40	3,5	PZ	2	0,002	100	200
790027	30	4,0	PZ	2	0,002	100	200
790029	40	4,0	PZ	2	0,002	100	200
790030	45	4,0	PZ	2	0,003	100	200
790031	50	4,0	PZ	2	0,003	100	200
790040	35	4,5	PZ	2	0,003	100	200
790041	40	4,5	PZ	2	0,003	100	200
790043	50	4,5	PZ	2	0,004	100	200
790051	30	5,0	PZ	2	0,003	100	100
790053	40	5,0	PZ	2	0,004	100	100
790054	50	5,0	PZ	2	0,005	100	100
790055	60	5,0	PZ	2	0,005	100	100
790056	80	5,0	PZ	2	0,007	100	100
790063	50	6,0	PZ	3	0,007	100	100
790064	60	6,0	PZ	3	0,008	100	50
790065	80	6,0	PZ	3	0,011	100	50

Universal pan head screw

Fibreboard screws, galvanised, pan head Pozidriv

Art. no.	TL	Ø		drive	kg	PE	PU
790090	25	3,5	PZ	2	0,002	100	200
790091	30	3,5	PZ	2	0,002	100	200
790093	40	3,5	PZ	2	0,002	100	200
790100	30	4,0	PZ	2	0,002	100	200
790101	35	4,0	PZ	2	0,002	100	200
790102	40	4,0	PZ	2	0,003	100	200
790103	45	4,0	PZ	2	0,003	100	200
790104	50	4,0	PZ	2	0,003	100	200
790111	40	4,5	PZ	2	0,004	100	200
790112	45	4,5	PZ	2	0,004	100	200
790113	50	4,5	PZ	2	0,004	100	200
790118	30	5,0	PZ	2	0,004	100	200
790120	40	5,0	PZ	2	0,005	100	200
790121	50	5,0	PZ	2	0,005	100	200

Hexagonal wood screws, hot zinc dipped

in accordance with DIN 571, hot zinc dipped, general requirements according to DIN 267 Part 1

Art. no.	TL	Ø	WS		kg	PE	PU
790212/V	80	6	10	Hexagon	0,015	100	25
790223/V	60	8	13	Hexagon	0,021	100	25
790224/V	80	8	13	Hexagon	0,027	100	25
790235/V	60	10	17	Hexagon	0,036	100	10

Dry wall screws

galvanised, counter-sunk head, Tx

Art. no.	TL	Ø		drive	kg	PE	PU
790920	32	3,9	Torx	20	0,002	100	200
790922	41	3,9	Torx	20	0,002	100	200

Chipboard screw countersunk „TwinSpeed“

Chipboard screw, galvanised, counter-sunk head, Tx, double helix thread, considerably shortened screw-in times when compared to traditional screws thanks to the double start thread.
Uses: Wood, plywood, plasterboard, rawlplugs

Art. no.	TL	Ø		drive	kg	PE	PU
793005	16	2,9	Torx	10	0,002	100	200
793006	25	2,9	Torx	10	0,002	100	100
793007	32	2,9	Torx	10	0,002	100	100
793008	38	2,9	Torx	10	0,002	100	100
793027	32	3,9	Torx	15	0,002	100	100
793029	38	3,9	Torx	15	0,002	100	100
793030	45	3,9	Torx	15	0,003	100	100
793031	50	3,9	Torx	15	0,003	100	100
793040	32	4,2	Torx	20	0,003	100	100
793041	38	4,2	Torx	20	0,003	100	100
793043	50	4,2	Torx	20	0,004	100	100
793051	30	4,8	Torx	25	0,003	100	100
793053	38	4,8	Torx	25	0,004	100	100
793054	50	4,8	Torx	25	0,005	100	100
793055	60	4,8	Torx	25	0,005	100	100
793064	60	6,3	Torx	30	0,008	100	50
793065	80	6,3	Torx	30	0,011	100	50

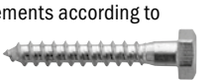
Chipboard screw pan head „TwinSpeed“

Chipboard screw, galvanised, pan head, Tx, double helix thread, considerably shortened screw-in times when compared to traditional screws thanks to the double start thread.
Uses: Wood, plywood, plasterboard, rawlplugs

Art. no.	TL	Ø		drive	kg	PE	PU
793099	20	3,9	Torx	15	0,002	100	100
793100	32	3,9	Torx	15	0,002	100	100
793101	35	3,9	Torx	15	0,002	100	100
793102	38	3,9	Torx	15	0,003	100	100
793103	45	3,9	Torx	15	0,003	100	100
793104	50	3,9	Torx	15	0,003	100	100
793111	38	4,2	Torx	20	0,004	100	100
793112	45	4,2	Torx	20	0,004	100	100
793113	50	4,2	Torx	20	0,004	100	100
793118	32	4,8	Torx	25	0,004	100	100
793120	38	4,8	Torx	25	0,005	100	100
793121	50	4,8	Torx	25	0,005	100	100
793125	60	6,3	Torx	30	0,002	100	50

Hexagonal wood screws

in accordance with DIN 571, galvanised, general requirements according to DIN 267 Part 1



Art. no.	TL	Ø	WS		kg	PE	PU
790210	40	6	10	Hexagon	0,008	100	50
790211	60	6	10	Hexagon	0,012	100	25
790212	80	6	10	Hexagon	0,015	100	25
790222	50	8	13	Hexagon	0,018	100	50
790223	60	8	13	Hexagon	0,021	100	25
790224	80	8	13	Hexagon	0,027	100	25
790225	100	8	13	Hexagon	0,033	100	25
790235	60	10	17	Hexagon	0,036	100	10
790236	80	10	17	Hexagon	0,048	100	10
790237	100	10	17	Hexagon	0,055	100	10

Hooks

galvanised

Art. no.	Ø	SftL	kg	PE	PU
790900	4,2	50	0,006	100	50
790902	5,8	80	0,008	100	10

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

TwinSpeed self tapping screw

galvanised, pan head, Philips cross-head and double helix thread, considerably shortened screw-in times when compared to traditional screws thanks to the double start thread. Uses: Wood, plywood, plasterboard, rawlplugs

Art. no.	TL	Ø		drive	kg	PE	PU
790303	19	3,5	Phillips PH	2	0,001	100	100
790311	32	3,5	Phillips PH	2	0,002	100	100
790325	13	4,2	Phillips PH	2	0,001	100	100
790326	16	4,2	Phillips PH	2	0,001	100	100
790327	19	4,2	Phillips PH	2	0,001	100	100
790329	25	4,2	Phillips PH	2	0,002	100	100
790332	31	4,2	Phillips PH	2	0,002	100	100
790333	38	4,2	Phillips PH	2	0,003	100	100
790334	45	4,2	Phillips PH	2	0,003	100	100
790335	65	4,2	Phillips PH	2	0,005	100	100

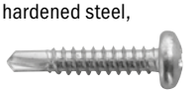
Plate screw DIN 7504

in accordance with DIN 7504M (formerly N), self-tapping, hardened steel, galvanised, pan head with Phillips slot, plate screw thread according to DIN 7970

Art. no.	TL	Ø		drive	kg	PE	PU
790411	13	3,5	Phillips PH	2	0,001	100	200
790413	19	3,5	Phillips PH	2	0,001	100	200
790416	13	3,9	Phillips PH	2	0,001	100	200
790417	16	3,9	Phillips PH	2	0,002	100	200
790419	25	3,9	Phillips PH	2	0,002	100	200
790422	13	4,2	Phillips PH	2	0,002	100	200
790423	16	4,2	Phillips PH	2	0,002	100	200
790424	19	4,2	Phillips PH	2	0,002	100	200
790426	25	4,2	Phillips PH	2	0,002	100	200
790428	32	4,2	Phillips PH	2	0,002	100	200
790432	13	4,8	Phillips PH	2	0,002	100	200
790433	16	4,8	Phillips PH	2	0,003	100	200
790434	19	4,8	Phillips PH	2	0,003	100	200
790436	25	4,8	Phillips PH	2	0,003	100	200

Plate screw DIN 7504, Tx

in accordance with DIN 7504M (formerly N), self-tapping, hardened steel, galvanised, Tx, plate screw thread according to DIN 7970



Art. no.	TL	Ø		drive	kg	PE	PU
790510	13	4,2	Torx	20	0,002	100	100
790512	16	4,2	Torx	20	0,002	100	100
790514	19	4,2	Torx	20	0,002	100	100
790516	25	4,2	Torx	20	0,002	100	100

Mounting screws

galvanised with washer, Philips cross-head, self-cutting

Art. no.	TL	Ø		drive	kg	PE	PU
790450	13	4,2	Phillips PH	2	0,001	100	100
790452	25	4,2	Phillips PH	2	0,002	100	100
790454	31	4,2	Phillips PH	2	0,002	100	100
790456	45	4,2	Phillips PH	2	0,003	100	100

Mounting screws

self-cutting and self-boring, galvanised with washer, Tx

Art. no.	TL	Ø		drive	kg	PE	PU
790500	13	4,2	Torx	20	0,001	100	100
790502	19	4,2	Torx	20	0,002	100	100
790504	25	4,2	Torx	20	0,002	100	100

Mounting screws

self-cutting and self-boring, galvanised with washer, Philips cross-head

Art. no.	TL	Ø		drive	kg	PE	PU
790470	13	4,2	Phillips PH	2	0,001	100	100

Machinery screws, cylinder screws

Hexagonal machine screws

according to DIN 933, continuous thread, galvanised, 8.8 quality

Art. no.	TL	Ø	WS	kg	PE	PU
790540	20	M6	10	0,006	100	100
790542	25	M6	10	0,007	100	100
790544	30	M6	10	0,008	100	100
790562	20	M8	10	0,012	100	100
790564	25	M8	10	0,014	100	100
790566	30	M8	10	0,016	100	100
790588	20	M10	10	0,023	100	100
790592	30	M10	10	0,028	100	100
790616	30	M12	10	0,040	100	50
790618	40	M12	10	0,047	100	50

Socket cup screw DIN 84 Form A

in accordance with ISO 1207, EN 21207 or DIN 84, Form A, with slit, made of hardened steel, galvanised, 4.8 quality

Art. no.	TL	Ø		drive	kg	PE	PU
790806	16	M3	slot	5,5x0,8	0,001	100	200
790808	20	M3	slot	5,5x0,8	0,001	100	200
790832	16	M4	slot	7,0x1,2	0,002	100	200
790834	20	M4	slot	7,0x1,2	0,002	100	200
790837	30	M4	slot	7,0x1,2	0,003	100	200
790862	16	M5	slot	8,5x1,2	0,003	100	200
790864	20	M5	slot	8,5x1,2	0,004	100	200
790867	30	M5	slot	8,5x1,2	0,005	100	200
790882	16	M6	slot	10,0x1,6	0,005	100	200
790884	20	M6	slot	10,0x1,6	0,055	100	200
790888	30	M6	slot	10,0x1,6	0,007	100	200

Machine screw counter sunk

continuous thread, zinc-plated, pan headed Pozidriv

Art. no.	TL	Ø		drive	kg	PE	PU
790700	20	M3	Pozidriv PZ	2	0,001	100	100
790702	30	M3	Pozidriv PZ	2	0,001	100	100
790704	40	M3	Pozidriv PZ	2	0,002	100	100
790706	50	M3	Pozidriv PZ	2	0,002	100	100
790710	20	M4	Pozidriv PZ	2	0,002	100	100
790712	30	M4	Pozidriv PZ	2	0,003	100	100
790714	40	M4	Pozidriv PZ	2	0,003	100	100
790716	50	M4	Pozidriv PZ	2	0,004	100	100
790721	25	M5	Pozidriv PZ	2	0,004	100	100
790722	30	M5	Pozidriv PZ	2	0,004	100	100
790724	40	M5	Pozidriv PZ	2	0,005	100	100
790726	50	M5	Pozidriv PZ	2	0,007	100	100

haupa®
... convincing solutions
Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Hexagonal nuts, washers

Hexagonal nut DIN 934

in accordance with ISO 4032, EN 24032 or DIN 934, steel galvanised, 8 quality

Art. no.	M	WS	kg	PE	PU
792000	M3	5,5	0,001	100	200
792001	M4	7	0,001	100	200
792002	M5	8	0,001	100	200
792003	M6	10	0,002	100	200
792005	M8	13	0,005	100	200
792006	M10	17	0,011	100	200
792008	M12	19	0,010	100	100

Washers DIN 125

in accordance with ISO 7089, EN 27089 or DIN 125, Form A without chamfer, steel galvanised

Art. no.	M	d1	d4	kg	PE	PU
792600	M3	3,2	7	0,000	100	200
792602	M4	4,3	9	0,000	100	200
792603	M5	5,3	10	0,001	100	200
792604	M6	6,4	12	0,001	100	200
792606	M8	8,4	16	0,002	100	200
792607	M10	10,5	20	0,003	100	200

Washers

in accordance with ISO 7093, DIN 9021N, zinc-plated steel

Art. no.	M	d1	d4	kg	PE	PU
792650	M4	4,3	12	0,001	100	100
792651	M5	5,3	15	0,001	100	100
792652	M6	6,4	20	0,012	100	100
792654	M8	8,4	25	0,011	100	100
792656	M10	10,5	40	0,010	100	100
792658	M12	13,0	40	0,010	100	100

Spring washers

according to DIN 127, form A, curved, zinc-plate steel

Art. no.	M	d1	d4	kg	PE	PU
792756	M6	6,4	11,8	0,001	100	100
792758	M8	8,4	14,8	0,002	100	100
792760	M10	10,5	18,1	0,003	100	100
792762	M12	13,0	21,1	0,004	100	100

Screws assortments

"Mix" Screws assortment box

Content: 1.425 screws, in plastic bulk storage chest 415 x 335 x 90 mm

Qty.	Description	Size	Drive	Art. no.
200	universal counter-sunk screws	3,5 x 20	PZ2	790015
200	universal counter-sunk screws	3,5 x 30	PZ2	790017
200	universal counter-sunk screws	3,5 x 40	PZ2	790079
200	universal counter-sunk screws	4,5 x 35	PZ2	790040
100	universal counter-sunk screws	4,5 x 50	PZ2	790043
50	universal counter-sunk screws	5,0 x 80	PZ2	790056
50	universal counter-sunk screws	6,0 x 50	PZ3	790063
200	universal pan head srews	3,5 x 30	PZ2	790091
100	universal pan head srews	4,0 x 40	PZ2	790102
50	universal pan head srews	5,0 x 50	PZ2	790121
50	hexagonal wood screws	6 x 40		790210
25	hexagonal wood screws	6 x 80		790212

Art. no.	empty	kg	PE	PU
792802	221131	5,022	1	1

"Pan head" Screws assortment box

Content: 1.700 screws, in plastic bulk storage chest 415 x 335 x 90 mm

Qty.	Description	Size	Drive	Art. no.
200	universal pan head srews	3,5 x 30	PZ2	790091
200	universal pan head srews	3,5 x 40	PZ2	790093
200	universal pan head srews	4,0 x 30	PZ2	790100
200	universal pan head srews	4,0 x 40	PZ2	790102
200	universal pan head srews	4,0 x 50	PZ2	790104
200	universal pan head srews	4,5 x 40	PZ2	790111
200	universal pan head srews	4,5 x 50	PZ2	790113
100	universal pan head srews	5,0 x 30	PZ2	790118
100	universal pan head srews	5,0 x 40	PZ2	790120
100	universal pan head srews	5,0 x 50	PZ2	790121
1	Bit-Box 17-pcs., incl. holder			102210

Art. no.	empty	kg	PE	PU
792804	221131	6,000	1	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

“Countersunk” Screws assortment box

Content: 1.800 screws, in plastic bulk storage chest 415 x 335 x 90 mm

Qty.	Description	Size	Drive	Art. no.
200	universal counter-sunk screws	3,5 x 20	PZ2	790015
200	universal counter-sunk screws	3,5 x 30	PZ2	790017
200	universal counter-sunk screws	3,5 x 40	PZ2	790079
200	universal counter-sunk screws	4,0 x 30	PZ2	790027
200	universal counter-sunk screws	4,0 x 40	PZ2	790029
200	universal counter-sunk screws	4,0 x 50	PZ2	790031
200	universal counter-sunk screws	4,5 x 40	PZ2	790041
100	universal counter-sunk screws	5,0 x 40	PZ2	790053
100	universal counter-sunk screws	5,0 x 50	PZ2	790054
100	universal counter-sunk screws	5,0 x 60	PZ2	790055
50	universal counter-sunk screws	6,0 x 60	PZ3	790064
50	universal counter-sunk screws	6,0 x 80	PZ3	790065
1	Bit-Box 17-pcs., incl. holder			102210

Art. no.	empty	kg	PE	PU
792806	221131	5,000	1	1

“Countersunk” Screws assortment box

Content: 1.800 screws, in plastic bulk storage chest 415 x 335 x 90 mm

Qty.	Description	Size	Drive	Art. no.
200	universal counter-sunk screws	3,0 x 15	PZ2	790005
200	universal counter-sunk screws	3,0 x 25	PZ2	790006
200	universal counter-sunk screws	3,0 x 40	PZ2	790008
200	universal counter-sunk screws	4,0 x 30	PZ2	790027
200	universal counter-sunk screws	4,0 x 40	PZ2	790029
200	universal counter-sunk screws	4,0 x 50	PZ2	790031
200	universal counter-sunk screws	4,5 x 40	PZ2	790041
100	universal counter-sunk screws	5,0 x 40	PZ2	790053
100	universal counter-sunk screws	5,0 x 50	PZ2	790054
100	universal counter-sunk screws	5,0 x 60	PZ2	790055
50	universal counter-sunk screws	6,0 x 60	PZ3	790064
50	universal counter-sunk screws	6,0 x 80	PZ3	790065
1	Bit-Box 17-pcs., incl. holder			102210

Art. no.	empty	kg	PE	PU
792810	221131	5,000	1	1

“Mix Tx” Screws assortment box

Content: 1.475 screws, in plastic bulk storage chest 415 x 335 x 90 mm

Qty.	Description	Size	Drive	Art. no.
200	TwinSpeed counter-sunk screws	2,9 x 15	Tx10	793005
200	TwinSpeed counter-sunk screws	2,9 x 30	Tx10	793007
200	TwinSpeed counter-sunk screws	2,9 x 40	Tx10	793008
200	TwinSpeed counter-sunk screws	4,2 x 35	Tx20	793040
100	TwinSpeed counter-sunk screws	4,2 x 50	Tx20	793043
100	TwinSpeed counter-sunk screws	4,8 x 50	Tx25	793054
50	TwinSpeed counter-sunk screws	6,3 x 80	Tx30	793065
200	TwinSpeed pan head srews	3,9 x 30	Tx15	793100
100	TwinSpeed pan head srews	3,9 x 40	Tx15	793102
50	TwinSpeed pan head srews	4,8 x 50	Tx25	793121
50	hexagonal wood screws	6 x 40		790210
25	hexagonal wood screws	6 x 80		790212

Art. no.	empty	kg	PE	PU
792816	221131	5,022	1	1

SysCon screws assortments

SysCon universal countersunk screws

Content: 1650 universal countersunk screws

1 220370 ABS plastic box „SysCon S"
1 220375 Foam „SysCon" 400 x 300 x 10 mm
1 220399 Assortment insert „SysCon"

Qty.	Art. no.	Description	Size	Drive
400	790015	Universal countersunk screws	3,5 x 20	PZ2
200	790027	Universal countersunk screws	4,0 x 30	PZ2
200	790029	Universal countersunk screws	4,0 x 40	PZ2
200	790031	Universal countersunk screws	4,0 x 50	PZ2
200	790041	Universal countersunk screws	4,5 x 40	PZ2
100	790053	Universal countersunk screws	5,0 x 40	PZ2
100	790054	Universal countersunk screws	5,0 x 50	PZ2
100	790055	Universal countersunk screws	5,0 x 60	PZ2
50	790064	Universal countersunk screws	6,0 x 60	PZ3
100	790065	Universal countersunk screws	6,0 x 80	PZ3

Art. no.	empty	kg	PE	PU
220389	220370	7,000	1	1

SysCon plate screws

Content: 2000 universal screws

1 220370 ABS plastic box „SysCon S"
1 220375 Foam „SysCon" 400 x 300 x 10 mm
1 220399 Assortment insert „SysCon"

Qty.	Art. no.	Description	Size	Drive
200	790327	Universal screw pan head	4,2 x 19	PH2
200	790329	Universal screw pan head	4,2 x 25	PH2
200	790332	Universal screw pan head	4,2 x 31	PH2
200	790333	Universal screw pan head	4,2 x 38	PH2
200	790450	Assembly screw pan head with washer	4,2 x 13	PH2
200	790452	Assembly screw pan head with washer	4,2 x 25	PH2
200	790456	Assembly screw pan head with washer	4,2 x 45	PH2
200	790470	Assembly screw with washer, self-tapping	4,2 x 13	PH2
200	790423	Plate screw DIN 750, 4M	4,2 x 16	PH2
200	790426	Plate screw DIN 750, 4M	4,2 x 25	PH2

Art. no.	empty	kg	PE	PU
220398	220370	5,000	1	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Push-through expansion dowel

Suitability

- For all concrete and masonry building materials, with limitations for cavity building materials
- For fixing all items which can be attached using wood and chipboard screws

Features

- Three-way split of the expansion part for guiding screws perfectly and centrically
- Quicker installation and higher extraction value
- Support and rotating construction wedges ensure good anti-twist protection
- Optimum expansion behaviour in both solid and softer materials and in hollow and perforated bricks
- Passage opening in the dowel tip makes screwing easier

Art. no.	Ø x length	screw-Ø	depth	g	PrU	PU
794002	6 x 30	3,5 – 5,0	40	0,640	100	100
794004	8 x 40	4,5 – 6,0	50	1,380	100	100

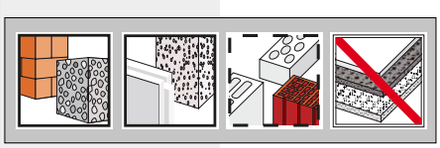
Expansion dowel sleeve

Suitability

- For all concrete and masonry building materials, with limitations for cavity building materials
- For fixing all items which can be attached using wood and chipboard screws

Features

- Three-way split of the expansion part for guiding screws perfectly and centrically
- Quicker installation and higher extraction value
- Support and rotating wedges ensure good anti-twist protection
- Optimum expansion behaviour in both solid and softer materials and in hollow and perforated bricks
- Passage opening in the dowel tip makes screwing easier
- with additional collar



Art. no.	Ø x length	screw-Ø	depth	g	PrU	PU
794012	5 x 25	2,5 – 4,0	35	0,390	100	100
794014	6 x 30	3,5 – 5,0	40	0,700	100	100
794016	8 x 40	4,5 – 6,0	50	1,570	100	50
794018	10 x 50	6,0 – 8,0	60	2,900	100	25

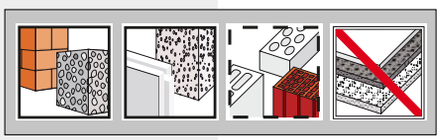
Countersunk nail dowel

Suitability

- For concrete, solid brick, with limitations for aerated concrete and hollow concrete blocks

Features

- Time-saving fixing system consisting of one expansion dowel and one expansion nail
- Pre-assembled system: The expansion nail fixes firmly into the dowel.
- Hammer-in stop prevents premature expansion
- The dowel and fixed item can be removed by simply unscrewing the expansion nail from the dowel



Art. no.	Ø x length	screw	strength	g	PrU	PU
794020	5 x 30	PZ	5	2,670	100	100
794022	5 x 50	PZ	25	3,780	100	100
794024	6 x 40	PZ	10	4,070	100	50
794026	6 x 60	PZ	30	5,510	100	50
794028	6 x 80	PZ	50	7,360	100	50
794030	8 x 60	PZ	20	10,440	100	50

Aerated concrete dowel with setting tool

Suitability

- For porous concrete (aerated concrete)

Features

- Time-saving fixing system
- Cutting into the building material guarantees expansion-free anchoring
- Use in electrical operations thanks to non-conductive plastic
- Solid edge prevents slide-in in the drilled hole and ensures exact screw depth
- Includes reusable setting tool

Art. no.	Ø x length	screw-Ø	depth	g	PrU	PU
794040	10 x 50	4,0 – 6,0	60	4,800	100	50

Dowel assortment

Universal metal dowel

Suitability

- Concrete, solid brick, porous concrete, limitations for perforated bricks and hollow concrete blocks

Features

- Perfect screw guidance thanks to ribbed internal geometry
- Fire-proof pipe fixing according to technical guidelines for gas pipe installation (TRGI 3.3.7.2.)
- Dowel can be driven into porous concrete G2 and G4 without pre-drilling.

Art. no.	Ø x length	screw-Ø	depth	g	PrU	PU
794050	6 x 32	5,0 – 6,0	40	2,390	100	200
794052	8 x 60	6,0 – 8,0	70	4,790	100	100

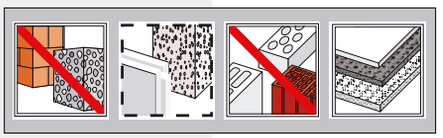
Plasterboard dowel with setting tool

Suitability

- Plasterboard, limitations for full plasterboard and porous concrete

Features

- Time-saving fixing system with dowel and setting tool
- Perfect insertion thanks to streamlined dowel tip
- Cutting into the building material guarantees optimum anchoring
- Use in electrical operations thanks to non-conductive plastic
- Includes reusable setting tool



Art. no.	length	screw-Ø	depth	g	PrU	PU
794070	24	4,0 – 6,0	35/80	1,520	100	50

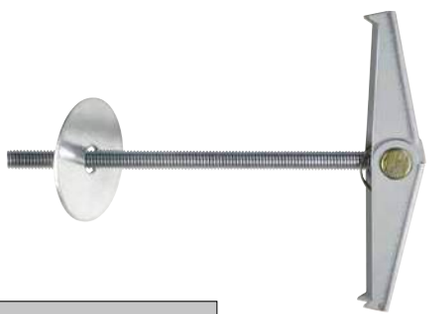
Spring toggle

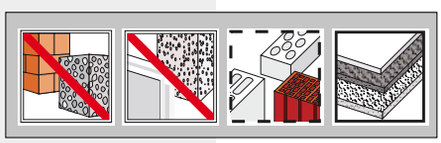
Suitability

- Plasterboard and gypsum fibreboard, chipboard, fibre cement board, cavity brick covers, hollow body covers

Features

- Special metal cavity anchor
- The side opens in any position in the hole using a spring mechanism
- Long threaded rod for a larger wall thickness
- Execution: Threaded rod with washer and hexagonal nut





Art. no.	Ø x length	bore hole-Ø	min/max	g	PrU	PU
794060	4 x 100	14	35/80	17,240	100	25
794062	5 x 100	16	45/80	33,700	100	20

Concrete	
Natural stone	
Full bricks	
Porous concrete (aerated concrete)	
Full plasterboard panels	
Perforated bricks	
Hollow concrete blocks	
Plasterboard panels	
Boards/panels	

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Tool cases

haupa®

... convincing solutions

Classification for tool cases

	Type:
ABS	ABS
ABS+	ABS+
PPsafe	PPsafe

	Type:
ABSfly	ABSfly
HDPEfly	HDPE

Specifications

Type	Art. no.	Description	Dimensions	Colour	Document compartment	Combination lock	Properties
ABS	220031	Tool case „Start up Profi“ empty	470 x 200 x 360	black	yes	yes	• Impact-resistant ABS material • Surrounding impact edge protection • High quality metal locks, lockable • Stable and hardened aluminium frame • Ergonomic handle • 3 metal hinges • Including carrying strap • Tested under continuous professional usage situations up to **20 kg**
	220028	Tool case „Start-up S“	460 x 180 x 310	black	no	no	
	220023	Trolley „Start up Profi“ empty	470 x 220 x 360	black	yes	yes	
ABS+	220076	VDE-Tool case „Pendant“ empty	460 x 180 x 310	red	yes	yes	• Impact-resistant ABS material • **Extra wide surrounding impact edge protection** • High quality metal locks, lockable • **Extra stable and hardened aluminium frame** • 3 metal hinges • **Particularly stable lid holder** • Tested under continuous professional usage situations up to **25 kg**
	220068	Tool case „Omega“ empty	460 x 180 x 310	black	yes	yes	
	220038	Tool case „Aktion“ empty	460 x 160 x 310	black	no	no	
	220073	Tool case „Netzwerk“ empty	460 x 160 x 310	black	no	no	
	220042	Tool case „Omega Max“ empty	470 x 200 x 360	black	yes	yes	
	220048	Tool case „Omega Trolley“ empty	470 x 220 x 360	black	yes	yes	
ABSfly	220032	VDE-Tool case „Venus“ empty	460 x 180 x 310	red	yes	yes	• **Flight-suitable** • **Extremely impact-resistant ABS-PRO material** • Extra wide surrounding impact edge protection • **High quality metal die cast locks, lockable** • **Extremely stable and specially hardened aluminium frame** • 3 riveted metal hinges • Particularly stable lid holder • Tested under continuous professional usage situations up to **40 kg**
	220034	Tool case „Merkur“ empty	460 x 180 x 310	black	yes	yes	
HDPEfly	220248	HDPE trolley, flight-suitable	470 x 220 x 360	black	yes	no	• **Flight-suitable and break-proof** • **Extreme durability thanks to HDPE shell with soft-touch look** • **Corners additionally reinforced with aluminium** • Extra wide surrounding impact edge protection • Locking, extra-long trolley system • **Ball-bearing mounted easy running castors** • **High quality metal die cast locks, lockable** • Additional combination lock • Extremely stable and specially hardened aluminium frame • 3 riveted metal hinges • Particularly stable lid holder • **Screw-fitted handle and locks** • Tested under continuous professional usage situations up to **40 kg**
PPsafe	220311	Installation case „Extreme“	581 x 455 x 381	black	no	no	• **Extremely durable polypropylene** • Flight-suitable and break-proof • **Impact and kick-proof** • Ergonomic carry handle • Handle can be pulled out to use as a trolley • Can be used in temperature ranges of -33°C to +90°C • Can be stacked • Tested in professional and permanent usage situations up to **50 kg** (220299) / **90 kg** (220311) • **Air and water-tight in accordance with IP67** (220299)
	220299	Tool case trolley „Extreme“	517 x 277 x 217	black	yes	no	

ABS rigid case

with document compartment

max. 20 kg

with combination lock

max. 25 kg

flight-suitable

max. 40 kg

Air and water-tight

Nylonbags

HAUPA “ToolPouch“

7 pockets to keep your tools handy with hammerloop and tapeholder belt loop with strong snap-button for easy attachment to belt. Material: extra strong 600D polyester, colour: black/green.

Art. no.	width	depth	height	kg	PU
220103	150	30	260	0,102	1

HAUPA “ToolBelt“

8 compartments for your tools, reinforced main compartment, steel rivets for high reliable quality. Big front compartment for nails or measurement tape, hammer sleeve, fits up to 135 cm hips, material: extra strong 600D polyester, colour: black/green.

Art. no.	width	depth	height	kg	PU
220105	200	100	300	0,326	1

Belts and jackets

Tool belt

10 compartments to organize your tools, hammer sleeve and tapeholder belt loop for easy attachment to belt, materials: extra strong 600D polyester, colour: black/green

Art. no.	width	depth	height	kg	PU
220224	880	30	280	0,350	1

Backpacks

HAUPA “Backpack“

Tool backpack, 3 compartments can be hinged upwards to the ground, front: without further inner compartments, middle: compartments for tools, rear: compartments with pockets and flaps for tools or notebook + accessoires, padded shoulder straps, lap belt, removable pad for working in a kneeling or sitting position, water and dirt resistant,
material: extra strong 1680D polyester, colour: black with green stiching.

Art. no.	width	depth	height	kg	PU
220265	440	220	500	1,990	1

Jackets

HAUPA “Tool Jacket“, empty

Tool jacket for quick access to your tools. Quick assembly with strong zip, inside and outside pockets, particularly suitable for use in hot temperatures. Colour: green, black, width 500 mm, height 580 mm.
Non-slip shoulder belt, breathable inside net, 2 document holders at back, 5 screwdriver pockets (with rubber adjustment), 1 pen pocket, 1 mobile phone pocket (Velcro®), 1 shear pocket (with rubber adjustment), 2 pliers pockets (pushbutton fastener), 1 voltage detector pocket (Velcro®), 1 pocket for small parts (Velcro®), hammer loop.

Art. no.	width	height	kg	PU
220053	500	580	0,764	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

HAUPA “ToolBag“

Tool bag with inner and outer tool compartments, rubber-reinforced base. Waterproof and dirt resistant, double cross-seam for heavy loads, removable shoulder strap, adjustable, 10 compartments outside (various sizes), 10 compartments inside (various sizes), belt for spirit level (outside), material: extra strong 600D polyester, colour: black/green.

Art. no.	width	depth	height	kg	PU
220061 ✷	320	190	280	1,507	1

HAUPA “ToolBag XL“

Tool bag XL with inner and outer tool compartments, rubber-reinforced base. **Features:** waterproof and dirt resistant, rubber-reinforced base, double cross-seam for heavy loads, removable shoulder strap, adjustable, 10 compartments inside/outside (various sizes), belt for spirit level (outside), material: extra strong 600D polyester, colour: black/green.

XL

Art. no.	width	depth	height	kg	PU
220366	420	220	310	2,000	1

HAUPA “BigBox”

PREMIUM

very big box look alike Tool bag, easy approach to the tools, inside and outside compartments for tools, reinforced handles, material: extra strong 600D polyester, colour: black/green.

Art. no.	width	depth	height	kg	PU
220095	410	240	320	1,937	1

HAUPA “ProBag“

Tool bag with compartments inside and out, base shell made from plastic, dual seat seaming for high loads, removable shoulder strap, adjustable, 4 outer pockets (in various sizes), holder for insulation tape, 2 large internal compartments, suitable, for example, for DIN A4 folders or 15“ laptops plus various compartments (in various sizes), straps for spirit level (outside), material: extremely strong **1680D polyester,** water and dirt resistant, colour: black/green.

Art. no.	width	depth	height	kg	PU
220368	420	300	430	2,500	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller PREMIUM Premium product

Service bags

“Supply“ service bag

Document pocket, pockets for tools and measuring devices, bag for small parts, large pockets, rubber rings, separate main compartment (padded) for laptop and documents, can be divided using the removable wall section. Notebook pocket up to 15". Colour: black/green.

Features:

- Ergonomic handle
- Adjustable carrying strap with shoulder pad
- Business card pocket for identification purposes
- 2 large side zipped pockets (one of which can be opened fully and has inserts)
- 2 large folding side pockets, can be removed individually, one of which as a small pocket on the front
- Polytex straps for transport securing

Art. no.	width	depth	height	kg	PU
220292	510	220	335	3,000	1

Tool case „Kick off“

Solid Nylon tool case for the trainee.

with galvanized floor-onsert of sheet-metal collapsable front, with locks, side-, front-, rear-parts as well as bottom and cover reinforced, inside with tool-compartments and adjustable loops.

Art. no.	width	depth	height	kg	PU
220573	445	190	280	3,600	1

Tool sets

Tool wallets

of black linen, with leather strap fastening

Art. no.	width	depth	kg	PU
220006	600	310	0,452	1

Tool sets 1000 V

VDE/GS - Tool wallets “Rebell“

in red coloured wallet

Art. no.	width	depth	height	kg	PU
220016	300	50	230	0,814	1

Tool holder

Tool holder for construction buckets

Tool bag for hanging up/covering in a commercially available 10L bucket, 30 exterior pockets/compartments, 14 inner pockets/compartments, 1 hammer loop, 1 loop with carabiner, stain-resistant, double cross-seam stitching for high load capacity, material: extra strong 1680D polyester,
colour: black, green.
Supplied without buckets!

Art. no.	width	depth	height	kg	PU
220313	460	40	280	0,700	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

HAUPA “ToolPouch“

7 pockets to keep your tools handy with hammerloop and tapeholder belt loop with strong snap-button for easy attachment to belt. Material: extra strong 600D polyester, colour: black/green.

Content:
- 2C combination pliers
- 2C electricians’ screwdriver
- 2C cross slotted screwdriver PH
- Cable stripper, manual
- VDE/GS voltage tester

Art. no.		set	empty	kg	PU
220506		**5-pieces**	220103	0,789	1

HAUPA "ToolBelt Standard"

8 compartments for your tools, reinforced main compartment, steel rivets for high reliable quality. Big front compartment for nails or measurement tape, hammer sleeve, fits up to 135 cm hips. Material: extra strong 600D polyester, colour: green, black

Content:
- 2C cross slotted screwdrivers PH, size 1 and 2
- 2C electrician’s screwdriver
- 2C combination pliers 200 mm
- 2C side cutters 160 mm
- Engineers’ hammer, 300 g
- Cable stripping knife, 1-piece
- Measuring tape, 3 m

Art. no.		set	empty	kg	PU
220213		**8-pieces**	220105	2,222	1

HAUPA “ToolBelt VDE“ 1000 V

8 compartments for your tools, reinforced main compartment, steel rivets for high reliable quality. Big front compartment for nails or measurement tape, hammer sleeve, fits up to 135 cm hips, material: extra strong 600D polyester, colour: black/green.

Content:
- 2C combination pliers, 200 mm
- 2C side cutters, 160 mm
- 2C electrician’s screwdriver
- 2C cross slotted screwdrivers PH, size 1 and 2
- Voltage tester “Basic”
- Cable knife, 1-piece

1000 V IEC 60900

Art. no.		set	empty	kg	PU
220211	✸	**7-pieces**	220105	1,723	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

Tool belt “Basic“

10 compartments to organize your tools, hammer sleeve and tapeholder belt loop for easy attachment to belt, materials: extra strong 600D polyester, colour: black/green.

Content:

- 2C-VDE-Electricians’ screwdriver 5,5x125 mm
- 2C-VDE-Electricians’ screwdriver 3x100 mm
- 2C-VDE-Cross slotted screwdrivers PH 2
- Measuring tape 3 m
- 2C-Combination pliers 180 mm
- 2C-Side cutters 160 mm
- VDE/GS Voltage tester 125-250 V
- Utility metal knife
- Wire stripper, hooked blade, 8-28 mm Ø
- Cable cutter with stripping function

Art. no.	set	empty	kg	PU
220280	**10-pieces**	220224	2,120	1

Tool belt “VDE Plus“ 1000 V

10 compartments to organize your tools, hammer sleeve and tapeholder belt loop for easy attachment to belt, materials: extra strong 600D polyester, colour: black/green

Content:

- 2C-VDE-Cable cutters 200 mm
- 2C-VDE-Side cutters 165 mm
- 2C-VDE-Combination pliers 185 mm
- 2C-Replaceable blade system „Vario“ 1000 V, 10 pcs.
- VDE-Cable cutter straight blade, 50 mm
- Voltage tester „Profi“ 12-690 V
- Test Pen „Basic“

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220281 ✷	**16-pieces**	220224	2,740	1

Tool belt “VDE“ 1000 V

10 compartments to organize your tools, hammer sleeve and tapeholder belt loop for easy attachment to belt, materials: extra strong 600D polyester, colour: black/green

Content:

- 2C-VDE-Side cutters 165 mm
- 2C-VDE-Cable cutters 160 mm
- 2C-VDE-Combination pliers 185 mm
- 2C-VDE-Electricians’ screwdriver 5,5x125 mm
- 2C-VDE-Cross slotted screwdrivers PH 2
- 2C-VDE-Electricians’ screwdriver 3x100 mm
- VDE-Cable cutter straight blade, 50 mm
- Test Pen „Basic“

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220282	**8-pieces**	220224	2,020	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

BackpackPro “Basic 1000 V”

Tool backpack for the professional user, 3 compartments can be hinged upwards to the ground, front: without further inner compartments, middle: compartments for tools, rear: compartments with pockets and flaps for tools or notebook + accessoires, padded shoulder straps, lap belt, removable pad for working in a kneeling or sitting position, comes complete with 11 tools, water and dirt resistant, material: extra strong 1680D polyester, colour: black with green stiching. BackpackPro 220265.

Content:

- Screwdrivers set 1000 V, Phillips, 6 pieces
  Content: Electricians’ screwdriver 1000 V
  2.5 x 75 mm / 4 x 100 mm / 5.5 x 125 mm / 6.5 x 150 mm,
  Cross slotted screwdrivers 1000 V, Phillips size 1 and 2
- Combination pliers 1000 V, 180 mm
- Side cutters 1000 V, 160 mm
- Long chain nose pliers 1000 V, straight, 200 mm
- Cable cutters 1000 V, 200 mm
- VDE/GS-Voltage testers, VDE-tested 0426/72

1000 V IEC 60900

Art. no.	set	empty	kg	PU
221277	**11-pieces**	220265	3,710	1

BackpackPro “Start 1000 V”

Tool backpack for the trainee, 3 compartments can be hinged upwards to the ground, front: without further inner compartments, middle: compartments for tools, rear: compartments with pockets and flaps for tools or notebook + accessoires, padded shoulder straps, lap belt, removable pad for working in a kneeling or sitting position, comes complete with 20 tools, water and dirt resistant, material: extra strong 1680D polyester, colour: black with green stiching.
BackpackPro 220265.

Content:

- Screwdrivers set 1000 V, Phillips, 6 pieces
  Content: Electricians’ screwdriver 1000 V
  2.5 x 75 mm / 4 x 100 mm / 5.5 x 125 mm / 6.5 x 150 mm,
  Cross slotted screwdrivers 1000 V, Phillips size 1 and 2
- Combination pliers 1000 V, 180 mm²
- Side cutters 1000 V, 160 mm²
- Long chain nose pliers 1000 V, straight, 200 mm²
- VDE/GS-Voltage testers, 100 – 250 V, loose
- Cable stripping knive “Safety”, without hook blade, 8 – 28 mm²
- Industrial ring brush, size 4
- Plaster cups
- Paint scrapers 40 mm
- Stone chisels, flat oval shank, 28 x 250 mm
- Electricians’ chisels, 10 x 250 mm
- Engineers‘ hammer 300 g
- Sledge hammer 1000 g
- Junior hacksaw, with metal blade
- Super wire stripper “Basic”, 0.5 – 4 mm²

1000 V IEC 60900

Art. no.	set	empty	kg	PU
221280	**20-pieces**	220265	5,200	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

BackpackPro “Basic plus 1000 V”

Tool backpack for the professional user, 3 compartments can be hinged upwards to the ground, front: without further inner compartments, middle: compartments for tools, rear: compartments with pockets and flaps for tools or notebook + accessoires, padded shoulder straps, lap belt, removable pad for working in a kneeling or sitting position, comes complete with 19 tools, water and dirt resistant, material: extra strong 1680D polyester, colour: black with green stiching. BackpackPro 220265.

Content:

- Screwdrivers set 1000 V, Phillips, 6 pieces
  Content: Electricians’ screwdriver 1000 V
  2.5 x 75 mm / 4 x 100 mm / 5.5 x 125 mm / 6.5 x 150 mm,
  Cross slotted screwdrivers 1000 V, Phillips size 1 and 2
- Combination pliers 1000 V, 180 mm²
- Side cutters 1000 V, 160 mm²
- Long chain nose pliers 1000 V, bent, 200 mm²
- Voltage tester “TestPen Profi”, 12 – 1000 V
- Cable stripping knive “Basic”, with hook blade, 8 – 28 mm²
- Super wire stripper “Basic”, 0.5 – 4 mm²
- Industrial ring brush, size 4
- Paint scrapers 40 mm
- Electricians’ chisels 10 x 250 mm
- Engineers‘ hammer 300 g
- Cable stripping knives, with wooden scales
- Hand saw “PUK”, with fixed handle
- Measuring tapes 3 m

1000 V IEC 60900

Art. no.	set	empty	kg	PU
221278	**19-pieces**	220265	4,650	1

BackpackPro “Operator 1000 V”

Tool backpack for the professional user, 3 compartments can be hinged upwards to the ground, front: without further inner compartments, middle: compartments for tools, rear: compartments with pockets and flaps for tools or notebook + accessoires, padded shoulder straps, lap belt, removable pad for working in a kneeling or sitting position, comes complete with 22 tools, water and dirt resistant, material: extra strong 1680D polyester, colour: black with green stiching. BackpackPro 220265.

Content:

- “Vario” 1000 V replaceable blade system, Phillips, 10 pcs.
  Content: 2C exchangeable handle, screw cap, replaceable
  blade - slotted blade 0.4 x 2.5 / 0.5 x 3.0 / 0.8 x 4.0 /
  PH1 / PH2, PZ/FL 2, switch cabinet key – square 1, double-bit
- Combination pliers 1000 V, 180 mm²
- Side cutters 1000 V, 160 mm²
- Long chain nose pliers 1000 V, straight, 200 mm²
- Cable cutters 1000 V, 200 mm
- Water pump pliers 1000 V, 240 mm
- “Multi Check II” - digital high-capacity multimeter
- Voltage tester “Profi LEDplus II” 6 – 1000 V
- Automatic wire stripper “Super Plus” 0.2 – 6 mm²
- Cable knife 1000 V, with straight blade
- Spanners for switch-cabinets, “HUPkey”
- Mini working light “HUPlight4”, LED 4 Watt
- Measuring tapes 3 m

1000 V IEC 60900

Art. no.	set	empty	kg	PU
221279	**22-pieces**	220265	5,570	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Jackets

HAUPA “Tool Jacket“

Tool jacket for quick access to your tools. Tool jacket for fitters including 10 tools. Quick assembly with strong zip, inside and outside pockets, particularly suitable for use in hot temperatures. Colour: green, black, width 500 mm, height 580 mm.
Non-slip shoulder belt, breathable inside net, 2 document holders at back, 5 screwdriver pockets (with rubber adjustment), 1 pen pocket, 1 mobile phone pocket (Velcro®), 1 shear pocket (with rubber adjustment), 2 pliers pockets (pushbutton fastener), 1 voltage detector pocket (Velcro®), 1 pocket for small parts (Velcro®), hammer loop.

Content:
- 2C-VDE electrician’s screwdriver with PZ/FL profile
- 2C-VDE electrician’s screwdrivers, 75, 10, 125 mm
- 2C cross slotted screwdriver, PH, 80 mm
- 2C electrician’s scissors
- Combination pliers VDE
- Diagonal cuttter VDE
- Voltage tester “Basic”
- Engineer’s hammer 300 g

Art. no.	set	empty	kg	PU
220560	**10-pieces**	220053	2,700	1

Nylonbags

HAUPA “ToolBag“

Tool bag with inner and outer tool compartments, rubber-reinforced base. Comes complete with 22 tools.
Features: Waterproof and dirt resistant, rubber-reinforced base, double cross-seam for heavy loads, removable shoulder strap, adjustable, 10 compartments outside (various sizes), 10 compartments inside (various sizes), belt for spirit level (outside), material: extra strong 600D polyester, colour: black/green.

Content:
- 2C combination pliers, 200 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, straight
- 2C wire stripping pliers, 160 mm
- VDE screwdriver set, 6 electrician’s screwdrivers
- Voltage tester
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Water brush
- Paint scraper, 40 mm
- Electrician’s chisel, 10 x 250 mm
- Stone chisel, 300 mm
- Engineers’ hammer, 300 g
- Sledge hammer, 1000 g
- Plaster container
- Cable knife, 1-pieces
- PUK pocket saw, fixed handle
- Carpenter’s pencil

Art. no.	set	empty	kg	PU
220500	**22-pieces**	220061	6,350	1

Tool bag 1000 V

HAUPA “ToolBag“ 1000 V

Tool bag with inner and outer tool compartments, rubber-reinforced base. Comes complete with 13 tools.

Content:

- 2C-VDE combinations pliers 185 mm
- 2C-VDE side cutters 165 mm
- 2C-VDE telephone pliers pliers, straight, 200 mm
- 2C-VDE wire stripping pliers 160 mm
- 2C-VDE-screwdriver set, 6 electrician’s screwdrivers
- Spanner for switch-cabinets
- Cable knive
- Voltagetester “Basic”

1000 V IEC 60900

Art. no.		set	empty	kg	PU
220510 ✷		**13-pieces**	220061	3,919	1

Nylonbags

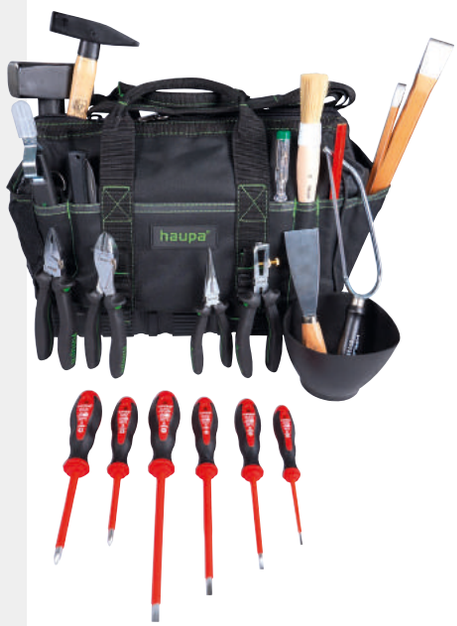
HAUPA “ToolBag XL Classic“

Tool bag XL with inner and outer tool compartments, rubber-reinforced base. Comes complete with 22 tools.

Features: Waterproof and dirt resistant, rubber-reinforced base, double cross-seam for heavy loads, removable shoulder strap, adjustable, 10 compartments inside/outside (various sizes), belt for spirit level (outside), material: extra strong 600D polyester, colour: green, black. ToolBag XL 220366.

Content:

- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C combination pliers, 200 mm
- 2C heavy duty side cutters, 175 mm
- 2C telephone pliers, straight, 200 mm
- 2C wire stripping pliers, 160 mm
- Voltage tester
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Water brush
- Paint scraper, 40 mm
- Electrician’s chisel, 10 x 250 mm
- Stone chisel, 300 mm
- Engineers’ hammer, 300 g
- Sledge hammer, 1000 g
- Plaster container
- Cable knife, 1 blade
- PUK pocket saw, fixed handle
- Carpenter’s pencil



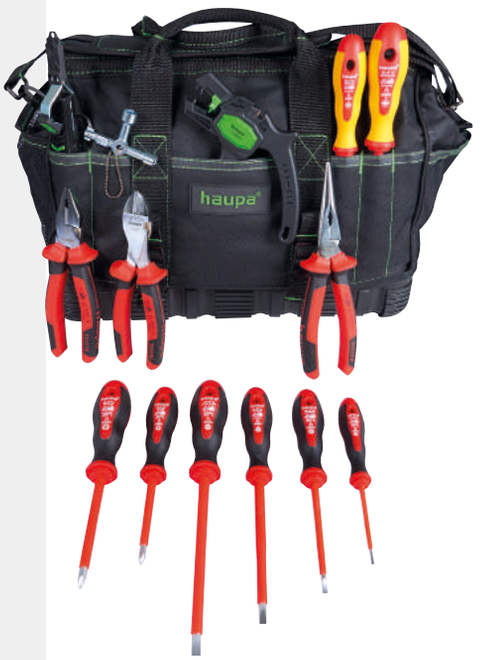
XL

Art. no.		set	empty	kg	PU
220802		**22-pieces**	220366	9,810	1

HAUPA “ToolBag XL Go“

Tool bag XL with inner and outer tool compartments, rubber-reinforced base.
Features: Waterproof and dirt resistant, rubber-reinforced base, double cross-seam for heavy loads, removable shoulder strap, adjustable, 10 compartments inside/outside (various sizes), belt for spirit level (outside), material: extra strong 600D polyester, colour: green, black. ToolBag 220366.

Content:
- 2C-VDE combinations pliers, 185 mm
- 2C-VDE heavy duty side cutters, 170 mm
- 2C-VDE telephone pliers, straight, 200 mm
- 2C-VDE electrician’s screwdriver PZ/FL 1 + 2
- 2C-VDE electrician’s screwdriver 2,5 x 75, 3,5 x 100, 4 x 100, 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH 1 + 2
- Automatic wire stripper 0,2-6 mm²
- Switching cabinet key
- Cable stripper hooked blade, 8 - 28 mm Ø



XL

Art. no.		set	empty	kg	PU
220804	✸	**14-pieces**	220366	4,400	1

HAUPA “ToolBag XL 1000 V“

Tool bag XL with inner and outer tool compartments, rubber-reinforced base. Comes complete with 13 tools. Material: extra strong 600D polyester, colour: black/green. ToolBag XL 220366.

Content:
- 2C-VDE combinations pliers, 185 mm
- 2V-VDE heavy duty side cutters, 170 mm
- 2C-VDE telephone pliers, straight, 200 mm
- 2C-VDE wire stripping pliers, 160 mm
- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- Spanners for switch-cabinets
- Cable knife
- Voltage tester „Basic“

1000 V IEC 60900

XL

Art. no.	set	empty	kg	PU
220800	**13-pieces**	220366	4,600	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

HAUPA “TrendBox Plus“

Tool bag for professional use. With inside and outside pockets, easy access to the tools, inside and outside compartments for tools, reinforced handles, material: extra strong 600D polyester, colour: green, black. Big box 220095.

Content:

- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C combination pliers, 180 mm
- 2C telephone pliers, 200 mm
- 2C side cutters, 160 mm
- 2C water pump pliers, 240 mm
- 2C wire stripping pliers, 160 mm
- Bit-Box, 17-pieces
- Voltage tester „Basic“
- Allen keys set, 7-pieces
- Adjustable single-head wrench
- Chalk - blue
- Impact cord roller
- Carpenters’ pencil
- Engineers’ hammer 300 g
- Cable stripping knife
- Junior hacksaw, heavy 150 mm
- Cable cutters 160 mm insulatet
- Combi-Drillbox
- Spanners for switch-cabinets
- Folding rule, fibre glass, 2 m

Art. no.	set	empty	kg	PU
220556 *	**25-pieces**	220095	6,430	1

HAUPA “TrendBox“

Tool bag for professional use. With inside and outside pockets, including 20 tools, easy approach to the tools, inside and outside compartments for tools, reinforced handles, material: extra strong 600D polyester, colour: green, black.

Content:

- 2C combination pliers, 200 mm
- 2C side cutters, 160 mm
- 2C telephon pliers, straight, 200 mm
- 2C water pump pliers, 240 mm
- VDE screwdrivers set, 6 electricians’ screwdrivers
- Cable ties, 292 x 3,6 mm
- Cabinet spirit level
- Filling knife, 40 mm
- Electrician’s chisel, 10 x 250 mm
- Voltage tester, VDE/GS
- Fitter’s hammer, 300 g
- Universal stripper
- Measuring tape, 3 m
- PUK pocket saw, fixed handle
- Carpenters pencil

Art. no.	set	empty	kg	PU
220550	**20-pieces**	220095	5,540	1

HAUPA “ProBag Max“

Tool bag with compartments inside and out, base shell made from plastic, dual seat seaming for high loads, removable shoulder strap, adjustable, 4 outer pockets (in various sizes), holder for insulation tape, 2 large internal compartments, suitable, for example, for DIN A4 folders or 15“ laptops plus various compartments (in various sizes), straps for spirit level (outside), material: extremely strong 1680D polyester, water and dirt resistant, colour: black/green. ProBag 220368.

Content:

- 2C-VDE combinations pliers, 185 mm
- 2C-VDE heavy duty side cutters, 170 mm
- 2C-VDE telephone pliers, straight, 200 mm
- 2C-VDE electrician’s screwdriver 2,5 x 75, 3,5 x 100, 4 x 100, 5,5 x 125, 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH 1 + 2
- 2C-VDE electrician’s screwdriver PZ/FL 1 + 2
- Cable cutter 160 mm
- ESD electronic pliers 110 mm
- Allround soft-grip scissor 150 mm
- Automatic cable stripper 0,08-6,0 mm²
- LED „Headlight“ headlamp
- VDE cable knife 50 mm
- Utility knives „EXTRA“ with spare blades 19 mm
- Voltage tester „Profi LCD Plus“ 12-1.000 V
- Spanners for switch-cabinets
- Measuring tapes 3 m
- Adjustable single-head wrench 24 mm
- Bit set, 33 pieces
- Industrial cleaning wipes
- Cable ties black UV resistant, 203x4,6 mm
- Cable ties natural 203x4,6 mm
- HAUPA „Flex Bag“

Art. no.		set	empty	kg	PU
220810	**29-pieces**		220368	9,180	1

HAUPA “ProBag Start VDE“

Tool bag with compartments inside and out, base shell made from plastic, dual seat seaming for high loads, removable shoulder strap, adjustable, 4 outer pockets (in various sizes), holder for insulation tape, 2 large internal compartments, suitable, for example, for DIN A4 folders or 15“ laptops plus various compartments (in various sizes), straps for spirit level (outside), material: extremely strong 1680D polyester, water and dirt resistant, colour: green/black. ProBag 220368.

Content:

- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C-VDE telephone pliers, 200 mm
- 2C-VDE combination pliers, 180 mm
- 2C-VDE heavy duty side cutters, 170 mm
- 2C-VDE wire stripping pliers, 160 mm
- Cable knife, 1 blade
- Electricians’ chisel, 10 x 250 mm
- VDE/GS Voltage tester - blade 50 mm
- PUK pocket saw, fixed handle
- Brush
- Stone chisel, 300 mm
- Engineers’ hammer, 300 g
- Double-face sledge hammer, 1000 g
- Spatula, 40 mm
- Plaster container

Art. no.		set	empty	kg	PU
220814	**20-pieces**		220368	9,180	1

Nylonbags

HAUPA “ProBag Go 1000 V“

Tool bag with compartments inside and out, base shell made from plastic, dual seat seaming for high loads, removable shoulder strap, adjustable, 4 outer pockets (in various sizes), holder for insulation tape, 2 large internal compartments, suitable, for example, for DIN A4 folders or 15“ laptops plus various compartments (in various sizes), straps for spirit level (outside), material: extremely strong 1680D polyester, water and dirt resistant, colour: green/black. ProBag 220368.

Content:

- 2C-VDE combinations pliers, 185 mm
- 2C-VDE heavy duty side cutters, 170 mm
- 2C-VDE telephone pliers, straight, 200 mm
- 2C-VDE electrician’s screwdriver PZ/FL 1 + 2
- 2C-VDE electrician’s screwdriver 2,5x75, 3,5x100, 4x100, 6,5x150 mm
- 2C-VDE cross slotted screwdrivers PH 1 + 2
- Automatic wire stripper 0,2-6 mm²
- Switching cabinet key
- Cable stripper hooked blade, 8 - 28 mm Ø

Art. no.	set	empty	kg	PU
220812 ✷	**14-pieces**	220368	9,180	1

Service bags

“Supply Max“ service bag

Document pocket, pockets for tools and measuring devices, bag for small parts, large pockets, rubber rings, separate main compartment (padded) for laptop and documents, can be divided using the removable wall section. Notebook pocket up to 15". Colour: black/green.

Contents:

- 2K-VDE electrician's screwdriver 2.5 x 75, 3.5 x 100, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2K-VDE screwdriver PH 1 + 2
- 2K-VDE screwdriver PZ/FL 1 + 2
- Cable cutter 160 mm dip-insulated
- VDE side cutter 165 mm
- VDE combination pliers 185 mm
- VDE-long chain nose pliers straight
- Electronic side cutter 110 mm
- Electrician's scissors, stainless steel 150 mm
- Switching cabinet key
- Adjustable single-head wrench 24 mm
- Bit set, 33 pieces
- All-purpose industrial cleaning cloths
- Cable-ties, black, UV-resistant 203 x 4.6 mm
- Cable-ties, natural, 203 x 4.6 mm
- Automatic strippers 0.08 - 6.0 mm²
- LED head lamp 75 lm
- VDE cable knife with replaceable blades 50 mm
- Cutting knife "EXTRA" with replacement blades 19 mm
- Voltage tester "Profi LCD Plus" 12 - 1,000 V
- Electrical insulating tape VDE 15 mm x 10 m, Rainbow pack, 263820, 10 coulors
- Measuring tape 3 m
- HAUPA "Flex Bag"
- Set X-CrimpPlus

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220293	**30-pieces**	220292	6,350	1

“Supply Plus“ service bag

Document pocket, pockets for tools and measuring devices, bag for small parts, large pockets, rubber rings, separate main compartment (padded) for laptop and documents, can be divided using the removable wall section. Notebook pocket up to 15". Colour: black/green.

Contents:

- 2K-VDE electrician's screwdriver 2.5 x 75, 3.5 x 100, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2K-VDE screwdriver PH 1 + 2
- 2K-VDE screwdriver PZ/FL 1 + 2
- 2K-VDE-long chain nose pliers straight
- Cable cutter 160 mm dip-insulated
- VDE side cutter 165 mm
- VDE combination pliers 185 mm
- Electronic side cutter 110 mm
- Electrician's scissors, stainless steel 150 mm
- Cutting knife "EXTRA" with replacement blades 19 mm
- Adjustable single-head wrench 24 mm
- All-purpose industrial cleaning cloths
- Cable-ties, black, UV-resistant 203 x 4.6 mm
- Electrical insulating tape VDE 15 mm x 10 m, Rainbow pack, 263820, 10 coulors
- Voltage tester "Basic" 6 - 400 V
- Switching cabinet key
- Measuring tape 3 m
- LED head lamp 75 lm

1000 V IEC 60900

Art. no.		set	empty	kg	PU
220294	✷	**24-pieces**	220292	6,350	1

“Supply Basic“ service bag

Document pocket, pockets for tools and measuring devices, bag for small parts, large pockets, rubber rings, separate main compartment (padded) for laptop and documents, can be divided using the removable wall section. Notebook pocket up to 15". Colour: black/green.

Contents:

- 2K-VDE electrician's screwdriver 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2K-VDE screwdriver PH 1 + 2
- 2K-VDE screwdriver PZ/FL 1 + 2
- VDE side cutter 165 mm
- VDE combination pliers 185 mm
- Cable cutter 160 mm dip-insulated
- Electrical insulating tape VDE 15 mm x 10 m, Rainbow pack, 263820, 10 coulors
- Measuring tape 3 m

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220298	**14-pieces**	220292	6,350	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

Tool case “Kick-Off“

Solid Nylon tool case for the trainee – with 20 tools.

Content:
- 2C-VDE telephone pliers, 200 mm
- 2C-VDE combination pliers, 180 mm
- 2C-VDE side cutters, 160 mm
- 2C-VDE wire stripping pliers, 160 mm
- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1+2
- Cable knife, 1-piece
- PUK pocket saw, fixed handle
- Brush
- Electricians’ chisel, 10 x 250mm
- VDE/GS Voltage tester, blade 50 mm, 100 – 250 V
- Stone chisel, 250mm
- Engineers’ hammer, 300 g
- Double-face sledge hammer, 1000 g
- Spatula, 40mm
- Plaster container

1000 V IEC 60900

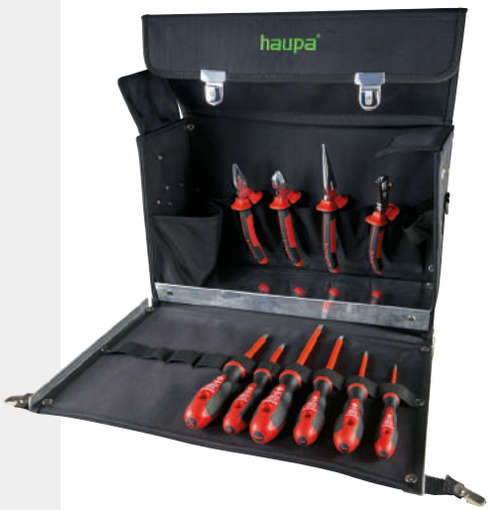
Art. no.	set	empty	kg	PU
220574 *	**20-pieces**	220573	7,650	1

Tool case “Kick-Off Light“

Solid Nylon tool case for the trainee – with 10 tools.

Content:
- 2C-VDE telephone pliers, 200 mm
- 2C-VDE combination pliers, 180 mm
- 2C-VDE side cutters, 160 mm
- 2C-VDE wire stripping pliers, 160 mm
- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1+2

1000 V IEC 60900



Art. no.	set	empty	kg	PU
220575	**10-pieces**	220573	5,200	1

Tool sets 1000 V

VDE security set 1000 V

Bag of imitation leather, for working under tension up to 1000 V. 10-pieces

Content:
- 2C-VDE electricians screwdrivers 2,5 x 75, 4 x 100, 5,5 x 125, 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PZ, size 1 + 2
- 2C-VDE combination pliers VDE 185 mm
- 2C-VDE side cutters 185 mm
- Voltage tester “Basic”
- Cable stripping knife, 35 mm

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220014	**10-pieces**	220004	1,688	1

VDE/GS - Tool sets 1000 V

in red coloured plastic wallet, made from artificial leather, 11-pieces.

Content:
- VDE combination pliers 185 mm
- VDE round nose pliers 160 mm
- VDE side cutters 165 mm
- VDE wire stripping pliers 160 mm
- 2C-VDE electricians screwdrivers 75, 100, 125, 150 mm
- 2C-VDE cross slotted screwdrivers PZ, size 1
- 2C-VDE socket wrench 7 mm
- VDE/GS voltage tester

1000 V IEC 60900

Art. no.	set	width	height	depth	kg	PU
220130	**11-pieces**	300	230	50	2,216	1

Leather tool cases

Tool case “Tradition“ and “Fan“

made of black leather, with 2 inside loops and 2 snap-locks.

220022: Tradition
220024: Fan

Art. no.	width	depth	height	kg	PU
220022	340	110	170	0,821	1
220024	370	115	255	1,669	1

Tool case “Achat“

made of black leather, all outside edges reinforced with Alu-squares, with galvanized floor-onsert of sheet-metal collapsable front, snap-fasteners riveted on side, side-loops for carrying-belts, 2 snap-locks, all 4 inside with tool-compartments and adjustable loops, without carrying belts

Art. no.	width	depth	height	kg	PU
220052	420	165	320	3,113	1

Tool case “Favorit - Admiral - Profi“

made of black leather, with galvanized floor-onsert of sheet-metal collapsable front, with locks, side-, front-, rear-parts as well as bottom and cover reinforced, inside with tool-compartments and adjustable loops, without carrying belts.

Art. no.	width	depth	height	kg	PU
220060	365	150	250	2,126	1
220064	470	145	315	2,990	1
220066	420	150	250	2,378	1

Tool case “Comet“

made of black leather, all outside edges reinforced with Alu-squares, with galvanized floor-onsert of sheet-metal collapsable front, snap-fasteners riveted on side, side-loops for carrying-belts, 2 snap-locks, all 4 inside with toolcompartments and adjustable loops, without carrying belts

Art. no.	width	depth	height	kg	PU
220070	420	165	320	3,939	1

Tool case “Magister“

of signal-red leather, with many compartements for tools, empty

Art. no.	width	depth	height	kg	PU
220142	440	165	260	2,700	1

Accessories

Brass padlocks

body made from a solid brass block, hardenend steel shackle, with 2 keys

Art. no.	kg	PU
220110	0,085	1
220112	0,135	1

Carrying belts

with 2 spring hooks

Art. no.	kg	PU
220054	0,114	1

Leather tool cases

Tool case “Phoenix“

Tool case for electrical contractor, made of black neat’s leather, with 39 tools. Case 220070.

Content:

- 2C long flat nose pliers, 160 mm
- 2C telephone pliers, 200 mm
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C wire stripping pliers, 160 mm
- 2C water pump pliers, 240 mm
- ESD electronic side cutters, 115 mm
- ESD electronic needle nose pliers, 130 mm
- Crimping pliers multi insulated and non-insulated crimping terminals
- 2C engineers’ screwdrivers 100, 125, 150 mm
- 2C electrician‘s screwdrivers 2.5 x 75, 4 x 125, 5 x 150, 5 x 175 mm
- 2C cross slotted screwdrivers PH, size 0, 1 and 2
- 2C cross slotted screwdrivers PZ, size 1 and 2
- Electronic screwdriverset, 7-pieces
- 2C socket wrenches, 5.5, 12, 17
- Reamer, round
- Allen key set, 8-pieces
- Adjustable wrench, 340 mm
- Cable stripper hooked blade, 8 - 28 mm Ø
- Combination snips, 190 mm
- PUK“ pocket saw, fixed handle
- Electrician's chisel, 10 x 250 mm
- Folding rules, 2 m
- Light metal spirit level, 400 mm
- Bench hammer, 300 g
- Cable cutter, max. 16.9 mm
- Cutter knife, plastic
- Cable stripping knife, plastic scales
- VDE/GS voltage tester 125 - 250 V

Art. no.	set	empty	kg	PU
220156	**39-pieces**	220070	9,900	1

Tool case “Saphir“

Tool case for electrical contractor, made of green neat’s leather, with 31 tools. Case 220070.

Content:

- 2C long-nosed round pliers, 160 mm
- 2C telephone pliers, 200 mm
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C wire stripping pliers, 160 mm
- 2C water pump pliers, 240 mm
- ESD elektronic side cutters, 115 mm
- 2CE electrician‘s screwdrivers 2.5 x 75, 4 x 100, 4 x 125, 5 x 150 m
- 2C engineers’ screwdrivers 6 x 100, 7 x 125, 8 x 150 mm
- 2C cross slotted screwdrivers PH, size 1 and 2
- 2C cross slotted screwdrivers PZ, size 1 and 2
- Electronic screwdriverset, 7-pieces
- Socket wrenches SW 5.5, 13, 17
- Allen key set, 8-pieces
- Cable stripper hooked blade, 8 - 28 mm Ø
- Combination snips 190 mm
- „PUK“ pocket saw, fixed handle
- Bench hammer 400 g
- Folding rules 2 m
- Cable cutter max. 16.9 mm
- Cable stripping knife plastic scales
- Voltage tester VDE/GS

Art. no.	set	empty	kg	PU
220154	**31-pieces**	220070	8,150	1

Tool case “Novelle 1“

Tool case for electrical contractor, made of black neat’s, leather, with 26 tools. Case 220066.

Content:

- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C heavy duty side cutters, 180 mm
- 2C telephone pliers, 200 mm
- 2C telephone pliers, 200 mm, bent
- 2C water pump pliers, 240 mm
- 2C wire stripping pliers, 160 mm
- 2C electrician‘s screwdrivers, 75, 125, 150 mm
- 2C engineers’ screwdrivers, 100, 150 mm
- 2C cross slotted screwdrivers PH, size 1 and 2
- 2C cross slotted screwdrivers PZ, size 1 and 2
- Reamer square
- Cable stripper 0.5 - 4 Ø
- Cable stripper hooked blade, 8 - 28 mm Ø
- Painter scrapers
- Bench hammer 300 g
- Cable stripping knife plastic scales
- Combination snips 140 mm
- „PUK“pocket saw, adjustable handle
- Voltage tester “Basic”
- Voltage tester VDE/GS

Art. no.	set	empty	kg	PU
220152/1	**26-pieces**	220066	6,500	1

Tool case “Alpha“

Tool case made from black neat's leather, equipped with 19 tools. Case 220060.

Content:

- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, 200 mm
- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 and 2
- Voltage tester VDE/GS
- Wire stripping pliers, 0.5 - 4 mm²
- Cable stripper hooked blade, 8 - 28 mm Ø
- Cable knife, 1-pieces
- PUK pocket saw, fixed handle
- Electricians’ chisel, 10 x 250 mm
- Stone chisel, 250 mm
- Engineers’ hammer, 300 g
- Measuring Tape, 3 m
- Cabinet Level, 250 m

Art. no.	set	empty	kg	PU
220169	**19-pieces**	220060	5,200	1

Tool case “Start“

Tool case for apprentices, made from black cow hide equipped with 20 tools. Case 220060.

Content:

- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 and 2
- 2C telephone pliers, 200 mm
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C wire stripping pliers, 160 mm
- Cable knife, 1-piece
- PUK pocket saw, fixed handle
- Double-face sledge hammer, 1000 g
- VDE/GS Voltage tester - blade 50 mm
- Electricians’ chisel, 10 x 250 mm
- Stone chisel, 300 mm
- Engineers’ hammer, 300 g
- Spatula, 40 mm
- Plaster container
- Brush

Art. no.	set	empty	kg	PU
220168 ✷	**20-pieces**	220060	6,100	1

Tool case “Start VDE“

Tool case for apprentices, made from black coloured cowhide equipped with 20 tools, case 220060.

Content:

- 2C-VDE telephone pliers, 200 mm
- 2C-VDE combination pliers, 180 mm
- 2C-VDE cutters, 160 mm
- 2C-VDE wire stripping pliers, 160 mm
- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- Cable knife, 1 blade
- Electricians’ chisel, 10 x 250 mm
- VDE/GS Voltage tester - blade 50 mm
- PUK pocket saw, fixed handle
- Brush
- Stone chisel, 300 mm
- Engineers’ hammer, 300 g
- Double-face sledge hammer, 1000 g
- Spatula, 40 mm
- Plaster container

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220168/VDE	**20-pieces**	220060	6,700	1

Tool case “Delux“ 1000 V

of signal-red leather, with 54 safety tools, case 220142

Content:

- 2C-VDE electrician‘s screwdriver 2,5 x 75, 4 x 100, 5,5 x 125, 6,5 x 150 mm
- 2C-VDE cross slotted screwdriver PH, size 1 + 2
- VDE telephone pliers, straight, 200 mm
- VDE telephone pliers, bent, 200 mm
- VDE combination pliers 185 mm
- VDE side cutters 165 mm
- VDE wire stripping pliers 160 mm
- Socket wrenches 5,5, 7,0, 8,0, 10,0 mm
- Voltage tester „Profi“
- Hexagon sockets 10, 11, 12, 13, 14, 15, 16
- Reversible ratchet 1/2“
- T-sliding handle 1/2“
- Open end spanners 10, 12, 13, 19, 22, 24
- Cable knive
- Cable scissor 200 mm
- Slip-on bushes 5-pieces No. 1, 10 mm
- Slip-on bushes 5-pieces No. 2, 10 mm
- Slip-on bushes 5-pieces No. 3, 10 mm
- Plastic pliers 180 mm
- Plastic clamp
- Covering tape, grey
- Covering tape, red
- Safety grip
- Gloves size 9

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220135	**54-pieces**	220142	9,460	1

Tool case “Rotor“ 1000 V

of signal-red leather, with 46 safety tools, case 220142

Content:

- VDE combination pliers 185 mm
- VDE side cutters 165 mm
- VDE wire stripping pliers
- VDE round nose pliers 160 mm
- Plastic clamp
- Gloves, size 10
- 2C-VDE electrician‘s screwdrivers 2,5 x 75, 4 x 100 mm
- Safety grip
- Socket wrenches, size 6, 7, 8, 9
- Rubber towels 1000 mm
- 5 slip-on-bushes size 1, 10 mm
- 5 slip-on-bushes size 2, 10 mm
- 5 slip-on-bushes size 3, 10 mm
- 5 slip-on-bushes 10 mm
- 5 slip-on-bushes 20 mm
- 5 slip-on-bushes 30 mm
- Cable knives
- Voltage tester 150 - 250 V

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220140	**46-pieces**	220142	6,400	1

Tool case “Start-up S“

ABS

Hard-top case, black, interior features: 2 tool panels with Velcro fasteners, the bottom tray has variable partitions.

Art. no.	width	depth	height	kg	PU
220028	460	310	180	4,500	1

Tool case “Start-up Profi“

ABS

Hard-top case, black, 2 tool kits, document pocket with hook-and-loop fixing, combination lock, bottom half of case equipped with variable partitions, shoulder strap

Art. no.	width	depth	height	kg	PU
220031 ✷	500	210	430	6,740	1

Tool case trolly “Start-up Profi“

ABS

rigid case, made of ABS-plastic material, black, integrated rolls and pull-out handle in the bottom, locks of alu-press-casting, empty. Inside: 1 separation for documents, 1 plate for tools, 1 cover-plate with pocket compartments and clip-compartment, 1 bottom-tray

Art. no.	width	depth	height	kg	PU
220023 ✷	460	160	310	6,740	1

Tool case “OmegaMax“

ABS+

rigid case, black, 28 compartments, 1 combination lock, 1 separation for documents, 2 plate for tools, 2 lockable locks, ground bowl with variables to dividing bars, framed push border

Art. no.	width	depth	height	kg	PU
220042	470	200	360	6,500	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

Tool case trolly “OmegaMax Trolly“

ABS+

rigid case, black, 28 compartments, 1 combination lock, 1 separation for documents, 2 plate for tools, 2 lockable locks, ground bowl with variables to dividing bars, framed push border

Art. no.	width	depth	height	kg	PU
220048 *	470	200	360	7,000	1

Tool case “Omega“

ABS+

rigid case, black, 28 compartments, 1 combination lock, 1 separation for documents, 2 plate for tools, 2 lockable locks, ground bowl with variables to dividing bars, framed push border

Art. no.	width	depth	height	kg	PU
220068	460	180	310	5,039	1

Tool case “Aktion“

ABS+

2 tool kits (one with document pocket). Ground bowl with variables to dividing bars

Art. no.	width	depth	height	kg	PU
220038	460	160	310	4,580	1

Tool case “Merkur“

ABSfly

rigid case, made of ABS-plastic material, double-walled, black, empty, excellent rib-profile on the outside, high-quality locks, inside with separation for documents, 2 plates with compartments for several tools, 1 tray of ABS-plastics with separations for individual divisions

Art. no.	width	depth	height	kg	PU
220034	460	180	310	5,320	1

Tool case “Pendant“

ABS+

rigid case, signal red, with Alu frame and 2 locks, with 3 plates with many compartements for tools

Art. no.	width	depth	height	kg	PU
220076	460	180	310	5,107	1

Installation case “Extreme“

PPsafe

Unloaded tool trolley, developed specifically for professionals for transporting a variety of hand tools, power tools and spare parts, making it the perfect companion. In a robust injection-moulded copolymer polypropylene case that can withstand shocks, rough use and extreme weather conditions, with two side handles, one extendible trolley handle (up to 990mm long) and four sturdy and low-noise wheels. The upper compartment, sealed under the top lid, contains a removable tray for spare hand tools which are arranged in a deeper section, where, for example, a laptop could be stored. The lower compartment, protected by a foldable front door, can hold 3 to 8 removable drawers of variable heights (30-60-95mm), with a variety of optional inner configurations, such as, for example, bicolour foam layers, trays for small items and even specially developed tool palettes for all types of small and large hand tools. All drawers can be opened fully and are self-locking to prevent items accidentally falling out. A central key lock and metal reinforced padlock ensure that all compartments are fully secured using a single key.

- 2 carry handles on the sides
- Telescopic handle for trolley function
- 4 robust and low-noise wheels
- Drawer system on the front
- Removable tray in the upper compartment
- Central lock with key
- Space for labels to mark contents
- 2 robust cover fastenings
- 2 robust locks for the front flap
- Fully configurable drawers
- Stackable

Art. no.	width	depth	height	kg	PU
220311	581	455	381	14,107	1

Tool case trolly “Fly“

HDPEfly

hard-side case, HDPE, extremely robust, black, 3 tool sections, 2 locks, document pocket, with high-grade fittings, bottom half of case equipped with variable partitions

Art. no.	width	depth	height	kg	PU
220248	470	360	220	5,320	1

Tool case trolley “Extreme“

PPsafe

Empty, waterproof and perfectly sealed thanks to the embedded neoprene O rings and pressure relief valve, this case provides absolute protection for your tools. Manufactured from durable, light polypropylene, it is equipped with tough locks and an ergonomic handle. These are ideal for use in harsher environments, e.g. in the industrial, aviation, military and marine sectors.

- Waterproof polypropylene case
- Waterproof and airtight according to IP 67
- Airworthy
- Extendible handle for trolley function
- Stackable
- Corrosion-resistant, sand and dust-tight
- Corrosion-resistant metal hinge
- Shock and crushproof
- For use in temperatures between -33°C and +90°C
- Ergonomic and rubberised handle
- Sturdy and user-friendly locks
- Manual pressure relief valve
- Embedded O ring seal in the lid

Art. no.	width	depth	height	kg	PU
220299	517	277	217	7,500	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Tool case „ElektroCombo“

black plastic case with metal catch, complete tool set for electricians and network technicians, case: 490 x 375 x 100 mm

Content:

- 2C-VDE combination pliers, 180 mm
- 2C-VDE side cutters, 160 mm
- 2C-VDE wire stripping pliers, 160 mm
- 2C-VDE long chain nose pliers, straight, 200 mm
- Cable cutter 160 mm, coating-insulated
- Crimping pliers for end sleeves 0,25 - 2,5 mm²
- Set ball point allen keys 9-pcs., extra long
- 2C exchangeable „Vario“ handle
- „Vario“ replaceable blade – slotted blade 2.5, 3, 4, 5.5 mm
- „Vario“ replaceable blade – Phillips blade 1, 2
- „Vario“ replaceable blade – pozidrive blade 1, 2
- „Vario“ replaceable blade – pozidrive blade/slotted 1 + 2
- Voltage tester „Basic“, black
- Spanners for switch-cabinets „HUPkey“
- Utility knives
- Junior hacksaw 150 mm
- Electricians’ chisels 10 x 250 mm
- Cabinet levels 230 mm
- Measuring tape, 5 m
- Reversible ratchet 1/4"
- Engineers’ hammer, 300 g
- Extension 1/4" 100 mm
- Sockets 1/4"
  WS: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 mm
- Ratchet screwdriver „FlexPlus“ for long bits
- 1/4" Bits 50mm HEX 2, 2.5, 3, 4, 5, 6
- 1/4" Bits 50mm PH 0, 1, 2, 3
- 1/4" Bits 50mm PZ 0, 1, 2, 3
- 1/4" Bist 50mm FD 3, 4, 5, 6
- 1/4" Bits 50mm TX 10, 15, 20, 25, 30, 40
- 1/4" Bits 50mm PZ/FL 1 + 2
- 1/4" SQ x 1/4" HEX adapter 50 mm
- Assortment box 160 x 115 x 40 mm

Art. no.	set	width	depth	height	kg	PU
104090	**78-pieces**	490	100	375	6,000	1

Tool case „Start-up Light“

ABS

hard-shell case, black, 2 tool sections, bottom with variable partitions, 14 tools, case art. 220028 „Start-up S“

Content:

- 2C Electricians’ screwdrivers 2,5 x 75 mm, 4 x 100 mm, 5,5 x 125 mm
- 2C Cross slotted screwdrivers PH, size 1 + 2
- 2C Combination pliers, 180 mm
- 2C Side cutters, 160 mm
- 2C long chain nose pliers, 200 mm
- Stripper „All-rounder“ 4 - 15 mm
- Junior hacksaw DIN 6473 C, 150 mm with blade
- Engineers’ hammer, 300 g
- Cable stripping knives, shock-proof synthetic
- Carpenters‘ pencils
- Measuring tape, 3 m

ABS 20 kg

Art. no.	set	empty	kg	PU
220269	**14-pieces**	220028	5,900	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Tool case „Start-up Go“

ABS

hard-shell case, black, 2 tool sections, bottom with variable partitions, 18 tools, case art. 220028 „Start-up S“

Content:

- 2C-VDE electricians’ screwdrivers 2,5 x 75 mm, 4 x 100 mm, 5,5 x 125 mm, 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C-VDE combination pliers, 180 mm
- 2C-VDE side cutters, 160 mm
- 2C-VDE long chain nose pliers, 45° angled nose, 200 mm
- Cable knife VDE with a straight blade
- Automatic wire stripper Super Plus 0,2 - 6 mm²
- Cable stripping knive 8 - 28 mm²
- Set ball point allen keys 9-pcs., 1,5 - 10 mm, extra long
- Spanners for switch-cabinets „HUPkey“
- PUK pocket saw, fixed handle
- Engineers’ hammer, 300 g
- Carpenters‘ pencils
- Measuring tape, 3 m

ABS 20 kg

Art. no.	set	empty	kg	PU
220267	**18-pieces**	220028	6,100	1

Tool case „Jobstarter Plus“

ABS

RRobust hard case, black. Interior equipment: 2 tool boards, bottom plate with variable dividers. Case 220028.

Content:

- 2C-VDE telephone pliers, 200 mm
- 2C-VDE combination pliers, 180 mm
- 2C-VDE side cutters, 160 mm
- 2C-VDE telephone pliers, 200 mm
- Stripping pliers 0,5 - 4,0 mm²
- Cable cutter VDE, straight
- Wire stripper, hooked blade, 8 - 28 mm Ø
- PUK pocket saw
- 2C-VDE electrician‘s screwdrivers, 2,5 x 75, 3,5 x 100, 5,5 x 125, 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH 1 + 2
- 2C-VDE cross slotted screwdrivers PZ 1 + 2
- VDE/GS-Voltage testers, VDE-tested 0426/72
- Electricians’ chisel, 10 x 250 mm
- Stone chisels, flat oval shank
- Engineers’ hammer
- Sledge hammer
- Industrial ring brush, size 4
- Paint scraper
- Plaster cup
- Carpenters‘ pencil, 150 mm

1000 V IEC 60900

ABS 20 kg

Art. no.	set	empty	kg	PU
220027	**24-pieces**	220028	8,080	1

Tool case „Start-up Max“

ABS

hard-shell case, black, 2 tool sections, bottom half of case equipped with variable partitions, 24 tools, case art. 220028 „Start-up S“

Content:

- 2C-VDE electricians’ screwdrivers
  2,5 x 75 mm, 4 x 100 mm, 5,5 x 125 mm, 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C-VDE combination pliers, 180 mm
- 2C-VDE long chain nose pliers, 45° angled nose, 200 mm
- 2C-VDE side cutters, 160 mm
- 2C-VDE cable cutters, 160 mm
- Cable knife VDE with a straight blade
- Automatic wire stripper Super Plus 0,2 - 6 mm²
- Cable stripping knive 8 - 28 mm²
- Voltage tester „Profi LEDplus II“ 3 - 1.000 V
- Crimping pliers for end sleeves 0,25 - 2,5 mm²
- Dispenser box with insulated end sleeves, colour range III, DIN
- Combination spanners similar to DIN 3113, 8-pcs.
- Set ball point allen keys 9-pcs., 1,5 - 10 mm, extra long
- Spanners for switch-cabinets „HUPkey“
- LED „Pen Torch“
- PUK pocket saw, fixed handle
- Engineers’ hammer, 300 g
- Carpenters‘ pencils
- Measuring tape, 3 m

ABS 20kg

Art. no.	set	empty	kg	PU
220268 *	**24-pieces**	220028	8,500	1

Tool case “Start-up”

ABS

Hard-top case, black, 2 tool kits, document pocket with hook-and-loop fixing, combination lock, bottom half of case equipped with variable partitions, shoulder strap, 19 tools.

Content:

- 2C-VDE electrician‘s screwdrivers
  2.5 x 75, 4 x 100, 5.5 x 125 und 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers, PH, size 1 + 2
- 2C combination pliers, 185 mm
- 2C side cutters, 165 mm
- 2C telephone pliers, 200 mm
- 2C wire stripping pliers, 160 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable knife, 1-pieces
- Engineers’ hammer, 300 g
- PUK pocket saw, fixed handle
- Electricians’ chisel, 10 x 250 mm
- Paint scraper, 40 mm
- Voltage tester, blade 50 mm
- Measuring tape, 3 m
- Water brush

ABS 20kg

Art. no.	set	empty	kg	PU
220221	**19-pieces**	220031	9,180	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Tool case “Start-up VDE”

ABS

Hard-top case, black, 2 tool kits, document pocket with hook-and-loop fixing, combination lock, bottom half of case equipped with variable partitions, shoulder strap, 19 tools.

Content:

- 2C-VDE electrician‘s screwdrivers 2,5 x 75, 4 x 100, 5,5 x 125 und 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers, PH, size 1 + 2
- 2C-VDE combination pliers 185 mm
- 2C-VDE side cutters 165 mm
- 2C-VDE telephone pliers 200 mm
- 2C-VDE wire stripping pliers 160 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable knife, 1-pieces
- Engineers’ hammer, 300 g
- PUK pocket saw, fixed handle
- Electricians’ chisel, 10 x 250 mm
- Paint scraper, 40 mm
- Voltage tester, blade 50 mm
- Measuring tape,
- Water brushes

1000 V IEC 60900

ABS 20 kg

Art. no.		set	empty	kg	PU
220235 ✷		**19-pieces**	220031	9,300	1

Tool case “EXTRA“

ABS

Hard-side case, black, 2 tool sections, document pocket, combination lock, bottom half of case equipped with variable partitions, with high-grade fittings, 2 locks, 19 tools, case 220031.

Content:

- 2C-VDE screwdriver set PZ, 101999/PZ
- 2C-VDE cross slotted screwdrivers PH, size 1
- 2C-VDE cross slotted screwdrivers PH, size 2
- Automatic wire stripper Super Plus 0,2-6 mm²
- Cable stripping knives without hook blade 8-28 mm²
- Voltagetester „Basic“ black
- Combination pliers VDE 185 mm
- Heavy duty diagonal cutters VDE 205 mm
- Long chain nose pliers VDE angled 200 mm
- Carpenters‘ pencils
- Engineers‘ hammers 300 g
- Electricians’ chisels 10x250 mm
- Hand saws „PUK“ mit fixed handle
- Torped-level 225 mm
- Folding rules 2 m
- Paint scrapers 40 mm
- Water brushes
- Plaster cups
- Cable knives 1000 V, 50 mm
- Siedge hammers 1000 g
- Stone chisels, flat oval shank 28x250 mm
- Industrial cleaning wipes
- Crimping pliers crimping pliers for insulated terminals and end sleeves 0,5 - 6 mm
- Stripper 8-13 mm²
- Cable cutters VDE 170 mm
- Electrical insulating tape VDE 15 mm x 10 m, Rainbow pack, 263820, 10 coulors
- Voltage tester „Profi plus“
- HAUPA „Multi Check“ digital high-capacity multimeter

1000 V IEC 60900

ABS 20 kg

Art. no.		set	empty	kg	PU
220309		**33-pieces**	220031	8,680	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

Tool case “Profi VDE“ 1000 V

ABS

Hard-top case, black, 2 tool kits, document pocket with hook-and-loop fixing, combination lock, bottom half of case equipped with variable partitions, shoulder strap, 35 tools, case 220031.

Content:

- VDE long chain nose pliers, straight, 200 mm
- VDE combination pliers 185 mm
- VDE heavy duty side cutters 200 mm
- VDE wire stripping pliers 160 mm
- VDE cable cutter, max. 15 mm
- Cable knives, 1000 V, 50 mm
- Finger gloves, size 9
- 2C-VDE electrician’s screwdrivers 2,5 x 75, 3 x 100, 6,5 x 150, 8 x 175 mm
- 2C-VDE socket wrenches, size 5,5, 7, 8, 10
- 2C-VDE cross slotted screwdrivers, PH 1 + 2
- NH-safety fuse grip
- Rubber towels, 1000 x 1000 x 1,6 mm
- Plastic clips, 160 mm
- Slip on bushes, No. 1, 2, 3 (each 5 x)
- Self adhesive PVC tape, red, 10 m
- Heat protection gloves
- Safety glasses

1000 V IEC 60900

ABS 20kg

Art. no.	set	empty	kg	PU
220232	**35-pieces**	220031	12,920	1

Tool case trolly “Profi mobil“

ABS

Hard-side case, black, 2 tool sections, document pocket, combination lock, bottom half of case equipped with variable partitions, with high-grade fittings, 2 locks, 51 tools, case art. 220023.

Content:

- 2-component socket wrenches set
- 2-component screwdrivers 2,5 x 75, 3 x 100, 4 x 100, 4 x 125, 5 x 150 mm
- Cross slotted screwdrivers PH, size 1+2, insulated
- Voltage tester “Basic” 6-400 V
- Electronic screwing bit set, 34-pcs
- HAUPA ratchet screwdriver „Flex“, 58-pcs
- Combination spanners sets, 12-pcs
- Adjustable single-head wrench 24 mm
- Spanners for switch-cabinets
- Engineers‘ hammer, 300 g
- Cable stripping knives with hook blade, 8-28 mm²
- Utility knives „EXTRA“ with spare blades 19 mm
- Cable cutter with a snap, max. 16,9 mm
- Cable cutter 160 mm, dipped
- 2C combination pliers 185 mm
- 2C diagonal cutter 165 mm
- 2C long chain nose pliers 200 mm
- Automatic wire stripper Super Plus 0,2-6 mm²
- ESD Electronic side cutter 115 mm
- Measuring tape 5 m
- Cabinet levels 250
- VDE electrical insulating tape 19 mm x 20 m, black (8x)

ABS 20kg

Art. no.	set	empty	kg	PU
220273	**51-pieces**	220023	14,700	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Tool case trolly “Start-up“

ABS

Hard-side case, black, 2 tool sections, document pocket, combination lock, bottom half of case equipped with variable partitions, with high-grade fittings, 2 locks, 19 tools, case art. 220023.

Content:

- 2C-VDE electricians’ screwdrivers 2,5 x 75, 4 x 100, 5,5 x 125, 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C-VDE combination pliers, 185 mm
- 2C-VDE side cutters, 165 mm
- 2C-VDE telephone pliers, 200 mm
- 2C-VDE wire stripping pliers, 160 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable knife, 1 blade
- Engineers’ hammer, 300 g
- PUK pocket saw, fixed handle
- Electricians’ chisel, 10 x 250 mm
- Paint scraper, 40 mm
- Voltage tester, blade 50 mm
- Measuring tape, 3 m
- Water brushes

1000 V IEC 60900

ABS 20 kg

Art. no.	set	empty	kg	PU
220252	**19-pieces**	220023	10,940	1

Tool case trolly “Master“

ABS

Hard-side case, black, 2 tool sections, document pocket, combination lock, bottom half of case equipped with variable partitions, with high-grade fittings, 2 locks, 38 tools, case art. 220023.

Content:

- 2C-VDE-screwdrivers set PH
- VDE-Cable knive straight blade
- Industrial cleaning wipes
- Measuring tape 3 m
- PUK pocket saw, fixed handle
- VDE cable cutter 230 mm
- 2C-VDE combination pliers 185 mm
- VDE side cutters 165 mm
- VDE telephone pliers 45°, 200 mm
- Automatic wire stripper 0,2 - 6 mm²
- Ear protection plugs SNR 30 db
- 2C-VDE screwdrivers PZ/FL, size 1
- 2C-VDE screwdrivers PZ/FL, size 2
- Perlon fish tapes 15 mm, 3
- LED Pocket lamp 18 x 91mm 80 lm
- Universal stripper 0,2 - 4 mm²
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Crimping pliers for crimp terminals/end sleeves
- Cable cutter 160 mm, coating-insulated
- Crimping pliers 0,75 - 16 mm²
- Ratched screwdriver „Flex“, 58 pcs.
- Safety glasses
- Spanner for switch-cabinets
- Voltage tester „Profi Plus“
- Elektronik ESD Electronic side cutter 115 mm
- Adjustable single-head wrench 24 mm
- 2C Allround soft-grip scissors 140 mm
- Cable glands IP 68, M20, light-grey
- Dispenser box with insulated end sleeves (DIN)
- Cable ties UV-resistant 250 x 4,8 mm
- Nailing clips for round cable 7-10, white

1000 V IEC 60900

ABS 20 kg

Art. no.	set	empty	kg	PU
220254 ✷	**38-pieces**	220023	14,700	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

Tool case trolly “EXTRA“

ABS

Hard-side case, black, 2 tool sections, document pocket, combination lock, bottom half of case equipped with variable partitions, with high-grade fittings, 2 locks, 19 tools, case 220023.

Content:

- 2C-VDE screwdriver set PZ, 101999/PZ
- 2C-VDE cross slotted screwdrivers PH, size 1
- 2C-VDE cross slotted screwdrivers PH, size 2
- Automatic wire stripper Super Plus 0,2 - 6 mm²
- Cable stripping knives without hook blade 8 - 28 mm²
- Voltagetester „Basic“ black
- Combination pliers VDE 185 mm
- Heavy duty diagonal cutters VDE 205 mm
- Long chain nose pliers VDE angled 200 mm
- Carpenters‘ pencils
- Engineers‘ hammers 300 g
- Electricians’ chisels 10 x 250 mm
- Hand saws „PUK“ mit fixed handle
- Torped-level 225 mm
- Folding rules 2 m
- Paint scrapers 40 mm
- Water brushes
- Plaster cups
- Cable knives 1000 V, 50 mm
- Siedge hammers 1000 g
- Stone chisels, flat oval shank 28 x 250 mm
- Industrial cleaning wipes
- Crimping pliers crimping pliers for insulated terminals and end sleeves 0,5 - 6 mm
- Stripper 8 - 13 mm²
- Cable cutters VDE 170 mm
- Electrical insulating tape VDE 15 mm x 10 m, Rainbow pack, 263820, 10 coulors
- Voltage tester „Profi plus“
- HAUPA „Multi Check“ digital high-capacity multimeter

1000 V IEC 60900

ABS 20kg

Art. no.	set	empty	kg	PU
220307	**33-pieces**	220023	8,680	1

Service trolly for hybrid vehicles 1000 V

ABS

Hard-side case, black, 2 tool sections, document pocket, combination lock, bottom half of case equipped with variable partitions, with high-grade fittings, 2 locks, case art. 220023.

Content:

- 2C-VDE electrician‘s screwdrivers 2,5 x 75, 3 x 100, 3,5 x 100, 4 x 100 mm
- 2C-VDE cross slotted screwdrivers PH 1, 2, 3
- 2C-VDE cross slotted screwdrivers S-Tx 20, 25, 30
- Hexagon sockets VDE 3/8" WS 8, 9, 10, 12, 13, 14, 17, 19, 22
- Extension 3/8" VDE, 250 mm
- Reversible ratchet VDE 3/8"
- Water pump pliers VDE 240 mm
- Cable cutters VDE 230 mm
- Side heavy duty side cutters VDE 205 mm
- Side cutters VDE 165 mm
- Short flat nose pliers VDE 160 mm
- Long chain nose pliers, angled nose 200 mm
- Combination pliers VDE 205 mm
- Cable stripping knife 1000V, straight blade, 50 mm
- Safety-sets with bag, insulating mat
- Slip on bushes 1000V, 20 mm
- Slip on bushes 1000V, 10 mm
- **VDE-sockets 3/8", M8, M10, M12** (xzn)
- Shutting band red/white 500 m
- Sign „dangerous voltage“
- Sign „do not switch“

1000 V IEC 60900

ABS 20kg

Art. no.	set	empty	kg	PU
220171	**40-pieces**	220023	11,100	1

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Tool case trolly “Secure mobil“ 1000 V

ABS

Hard-side case, black, 2 tool sections, document pocket, combination lock, bottom half of case equipped with variable partitions, with high-grade fittings, 2 locks, 57 tools, case art. 220023.

Content:

- 2C-VDE electricians’ screwdrivers 2,5 x 75, 4 x 100, 5,5 x 125, 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- Voltage tester “Profi plus” 12-1,000 V
- Single ended spanner 1000 V 10, 12, 13, 19, 22, 24
- Finger gloves 1000 V, size 9
- Safety fuse grips
- Flat nose pliers 1000 V
- Slip on bushes 1000 V no. 1,2, 3 (each 5x)
- VDE cable knife, 50 mm
- VDE combination pliers 185 mm
- VDE diagonal cutter 165 mm
- VDE long chain nose pliers 200 mm
- Tool case 1000 V, drive 3/8“
- Electrical insulating tape, red (6x)

1000 V IEC 60900

ABS 20 kg

Art. no.		set	empty	kg	PU
220272	**57-pieces**		220023	14,700	1

Tool case ”2 component”

ABS+

Hard-top case, for apprentices, black, 2 tool kits, one with document pocket, cover-plate with pocket compartments and clip-compartment, 18 tools. Case 220038.

Content:

- 2C telephone pliers, straight, 200 mm
- 2C combination pliers, 180 mm
- 2C heavy duty side cutters, 180 mm
- 2C wire stripping pliers, 160 mm
- 2C electrician‘s screwdrivers 2.5 x 75, 3 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C cross slotted screwdrivers, PH, size 1 and 2
- Cable knife, 1-pieces
- Wire stripper, hooked blade, 8 - 28 mm Ø
- PUK pocket saw, fixed handle
- Paint scraper, 40 mm
- Electricians’ chisel, 10 x 250 mm
- Voltage tester, 220 - 250 volt
- Engineers’ hammer, 300 g
- Measuring stick, 2 m

ABS 25 kg

Art. no.		set	empty	kg	PU
220170	**18-pieces**		220038	7,000	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Network service case

ABS+

Hard-top case, black, for electricians and network technicians, 2 tool kits (one with document pocket), bottom half of case contains 8 small removable boxes, secured for transport purposes. Case 220038.

Content:

- 2C side cutters, 160 mm
- 2C telephone pliers, 180 mm
- 2C telephone pliers, 200 mm, bent
- 2C electrician screwdrivers 75, 100, 150 mm
- 2C cross slotted screwdrivers PH, size 0, 1, 2
- Electronic screwdriver set, 7-pieces
- Control cabinet key
- Precision stripper “PWS-Plus” 0.25 - 0.8 Ø
- Combination snips 190 mm
- „PUK“ pocket saw, fixed handle
- Crimping pliers for coaxial connectors
- ESD electronic side cutters, 130 mm
- Stripper for coaxial cable
- VDE/GS voltage tester
- Stripper for UTP/STP data cable
- Crimping pliers for modular plugs
- Sensor tool

ABS 25 kg

Art. no.		set	empty	kg	PU
220141	**21-pieces**		220038	8,800	1

Tool case “Panther“

ABS+

inside: 1 separation for documents, 2 plate for tools, 1 cover-plate with pocket compartments and clip-compartment. Case 220038.

Content:

- 2C electrician’s screwdrivers, 75, 100, 125, 150 mm
- 2C engineers’ screwdriver, 100 mm
- 2C cross slotted screwdrivers, PZ, size 1 and 2
- Control cabinet key
- Jointing chisel, 26 x 250 mm
- Electrician's chisel, 10 x 250 mm
- Cable stripping knife, plastic shank
- Universal saw, heavy 150 mm
- 2C combination pliers, 180 mm
- 2C heavy duty side cutters, 180 mm
- 2C telephone pliers, 200 mm
- 2C wire stripping pliers, 160 mm
- Cabinet level, 250 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Bench hammer, 300 g
- Voltage tester “Basic”
- VDE/GS voltage tester

ABS 25 kg

Art. no.		set	empty	kg	PU
220040	**21-pieces**		220038	7,460	1

Hard-top tool cases

Tool case “Compact“

ABS+

Hard-top case, black, 2 tool kits (one with document pocket), bottom half of case equipped with variable partitions, case 220038.

Content:

- 2C electrician‘s screwdrivers, 2,5 x 75, 4 x 100, 4 x 125, 5 x 150 mm
- 2C cross slotted screwdrivers, PH, size 1 and 2
- Electronic screwdriver set, 7-pieces
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, 200 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable stripping knive, 4 - 16 mm Ø
- Automatic wire stripper, 0,2 - 6 mm²
- Cable cutter with a snap
- 2K Soft-Grip scissor, 140 mm
- PUK pocket saw, fixed handle
- HAUPA „Bit box“, 17-pieces
- SDS-plus set, 5-pieces
- Spirit level, 400 mm
- Measuring tape, 3 m
- Voltage tester „Basic“

ABS 25 kg

Art. no.	set	empty	kg	PU
220229	**47-pieces**	220038	7,180	1

Tool case “Basic“

ABS+

Hard-top case, black, 2 tool kits (one with document pocket), bottom half of case equipped with variable partitions, 19 tools. Case 220038.

Content:

- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2-VDE cross slotted screwdrivers PH, size 1 and 2
- 2C combination pliers, 180 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, straight, 200 mm
- 2C wire stripping pliers, 160 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable knife, 1-pieces
- Engineers’ hammer, 300 g
- PUK pocket saw, fixed handle
- Electricians’ chisel, 10 x 250 mm
- Voltage tester blade, 50 mm
- Measuring stick, 2 m
- Paint scraper, 40 mm
- Water brushes

ABS 25 kg

Art. no.	set	empty	kg	PU
220153 ✷	**19-pieces**	220038	6,600	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

Tool case “Basic VDE“

ABS+

Hard-side case, black, 2 tool sections (one with document pocket), bottom half of case equipped with variable partitions, with high-grade fittings, 19 tools. Case 220038.

Content:

- 2C-VDE electrician‘s screwdrivers, 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C-VDE combinations pliers, 185 mm
- 2C-VDE side cutters 165, mm
- 2C-VDE telephone pliers, straight, 200 mm
- 2C-VDE cable cutter 200 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable knife, 1 blade
- Engineers’ hammer, 300 g
- PUK pocket saw, fixed handle
- Electricians’ chisel, 10 x 250 mm
- Voltage tester blade, 50 mm
- Measuring stick, 2 m
- Paint scraper, 40 mm
- Water brushes

ABS 25kg

Art. no.	set	empty	kg	PU
220244	**19-pieces**	220038	7,140	1

Tool case “Inspektor“

ABS+

rigid case, black, with high-grade fittings, Master’s case with 25 tools. Case 220068.

Content:

- 2C electrician‘s screwdrivers 75, 125, 150 mm
- 2C engineers’ screwdrivers 100, 150 mm
- 2C cross slotted screwdrivers PH, size 1 + 2
- 2C combination pliers, 180 mm
- 2C heavy duty side cutters, 180 mm
- 2C telephone pliers, 200 mm
- 2C telephone pliers, bent 200 mm
- 2C water pump pliers, 240 mm
- 2C wire stripping pliers, 160 mm
- 2C piercing awl
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Voltage tester, 150 - 250 V
- Adjustable wrench, 210 mm
- Paint scraper, 50 mm
- Electricians’ Chisel, 10 x 250 mm
- Engineers’ hammer, 300 g
- Cable knife, 1 blade
- Universal scissors, 190 mm
- PUK pocket saw, fixed handle
- Measuring stick, 2 m
- Alu level 400 mm

ABS 25kg

Art. no.	set	empty	kg	PU
220176	**25-pieces**	220068	8,980	1

Tool case “Akkurat“

ABS+

Master‘s case for radio and television, with 32 tools, rigid case. Case 220068.

Content:

- 2C cross slotted screwdrivers, PH, size 1 and 2
- 2C electrician‘s screwdrivers 2.5 x 75, 4 x 100, 4 x 125, 5 x 150
- 2C electrician‘s screwdrivers 2.5 x 75 (bare)
- 2C combination pliers, 160 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, straight, 200 mm
- 2C telephone pliers, bent, 200 mm
- 2C wire stripping pliers, 160 mm
- ESD electronic side cutters, 115 mm
- ESD electronic needle nose pliers, 130 mm
- ESD Electronic round nose pliers, 130 mm
- ESD electronic needle nose pliers, 130 mm, 45°
- Engineers’ screwdrivers, 8 x 150 mm
- Elektronic screwdriver set, 7-pieces
- Tweezer, straight, 130 mm
- Tweezer, flat, 145 mm
- 2C socket wrenches 5, 5.5, 6
- 2C piercing awl, round
- Voltage tester 50 - 250 Volt
- Checking mirror 210 mm
- Claw holder, size 525
- Spanner, 175 mm
- Solder, Sn 60% 1 mm 100 g
- Universal scissors, 190 mm
- Crown scissors, 115 mm
- Contact file set. 6 pieces

ABS 25 kg

Art. no.	set	empty	kg	PU
220179	**32-pieces**	220068	8,180	1

Tool case “Diamant“

ABS+

Master‘s case for domestic appliances, with 23 tools, rigid case, black. Case 220068.

Content:

- 2C electrician‘s screwdrivers 4 x 100, 5 x 150 mm
- 2C engineers’ screwdrivers 6 x 100, 8 x 150 mm
- 2C cross slotted screwdrivers, PH, size 1 and 2
- 2C long nose round pliers, 160 mm
- 2C long nose flat pliers, 160 mm
- 2C telephone pliers 200 mm
- 2C telephone pliers, bent, 200 mm
- 2C combination pliers 160 mm
- 2C side cutters, 160 mm
- 2C heavy duty side cutters, 200 mm
- Cable stripper 0.5 - 4 Ø
- ESD electronic side cutters, 115 mm
- Crimping pliers for crimping terminals
- Socket wrench set, 1/4”, 33 pieces
- „PUK“ pocket saw, fixed handle
- Bench hammer, 300 g
- Cable stripping knife, plastic scales
- VDE/GS Voltage tester
- Combination snips, 190 mm
- Cable cutter, max. 16.9 Ø

ABS 25 kg

Art. no.	set	empty	kg	PU
220192	**23-pieces**	220068	8,500	1

The ideal tool assortment

ABS+

rigid case for electromaster, with 32 tools. Case 220068.

Content:

- 2C electrician screwdrivers 75, 75, 125, 150 mm
- 2C engineers' screwdrivers 100, 150 mm
- 2C cross slotted screwdrivers PH, size 1 + 2
- 2C combination pliers, 180 mm
- 2C telephone pliers, 200 mm
- 2C side cutters, 160 mm
- 2C telephone pliers, 200 mm
- 2C water pump pliers, 240 mm
- ESD electronic side cutters, 115 mm
- ESD electronic needle nose pliers, 130 mm
- Electronic screwdriver set, 7-pieces
- Solder for electronic work, Sn 60%, 1.5 mm, 100 g
- Claw retriever with fixed shaft, size 165
- 2C piercing awl, square
- 2C socket wrenches 7, 8, 10
- Checking mirror, 210 mm
- Socket wrench set, 1/4", 33 piece
- Contact soldering iron, 30 watt
- Cable stripping knife, plastic handle
- Bench hammer, 300 g
- Universal saw, heavy 150 mm
- Cable stripper, 0.5 - 4 mm Ø
- Combination snips, 190 mm
- VDE/GS Voltage tester
- Tweezer angled

ABS 25 kg

Art. no.		set	empty	kg	PU
220177 *		**32-pieces**	220068	10,260	1

Tool case "OmegaMax Start VDE"

ABS+

rigid case, black, 28 compartments, 1 combination lock, 1 separation for documents, 2 plate for tools, 2 lockable locks, ground bowl with variables to dividing bars, framed push border. Case 220042.

Content:

- 2C-VDE electrician's screwdrivers 2.5 x 75, 4 x 100, 5.5 x 125 und 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C combination pliers, 185 mm
- 2C side cutters, 165 mm
- 2C telephone pliers, 200 mm
- 2C wire stripping pliers, 160 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable knife, 1 blade
- Engineers' hammer, 300 g
- PUK pocket saw, fixed handle
- Electricians' chisel, 10 x 250 mm
- Paint scraper, 40 mm
- Voltage tester, blade 50 mm
- Measuring tape, 3 m
- Water brush

ABS 25 kg

Art. no.		set	empty	kg	PU
220043		**19-pieces**	220042	11,000	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Tool case trolly “OmegaMax Trolley Start VDE“ ABS+

rigid case, black, 28 compartments, 1 combination lock, 1 separation for documents, 2 plate for tools, 2 lockable locks, ground bowl with variables to dividing bars, framed push border. Tool case 220048.

Content:

- 2C-VDE electrician‘s screwdrivers 2.5 x 75, 4 x 100, 5.5 x 125 und 6.5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C combination pliers, 185 mm
- 2C side cutters, 165 mm
- 2C telephone pliers, 200 mm
- 2C wire stripping pliers, 160 mm
- Wire stripper, hooked blade, 8 - 28 mm Ø
- Cable knife, 1 blade
- Engineers’ hammer, 300 g
- PUK pocket saw, fixed handle
- Electricians’ chisel, 10 x 250 mm
- Paint scraper, 40 mm
- Voltage tester, blade 50 mm
- Measuring tape, 3 m
- Water brush

Art. no.		set	empty	kg	PU
220137		**19-pieces**	220048	11,500	1

Tool cases 1000 V

Tool case “Delux Plus“ 1000 V ABS+

rigid case, signal-red, with high-grade fittings, complete with 54 safety tools, case 220076.

Content:

- 2C-VDE electrician‘s screwdriver 2.5 x 75, 4 x 100, 5.5 x 125, 6.5 x 150 mm
- 2C-VDE cross slotted screwdriver PH, size 1 + 2
- VDE telephone pliers, straight, 200 mm
- VDE telephone pliers, bent, 200 mm
- VDE combination pliers 185 mm
- VDE side cutters 165 mm
- VDE wire stripping pliers 160 mm
- Socket wrenches 5.5, 7, 8, 10 mm
- Voltage tester „Profi“
- Hexagon sockets 10, 11, 12, 13, 14, 15, 16
- Reversible ratchet 1/2“
- T-sliding handle 1/2“
- Open end spanners 10, 12, 13, 19, 22, 24
- Cable knife
- Cable scissors 200 mm
- Slip-on bushes 5-pieces No. 1, 10 mm
- Slip-on bushes 5-pieces No. 2, 10 mm
- Slip-on bushes 5-pieces No. 3, 10 mm
- Plastic pliers 180 mm
- Plastic clamp
- Covering tape, grey
- Covering tape, red
- Safety grip
- Gloves size 9

1000 V IEC 60900

Art. no.		set	empty	kg	PU
220239 ✷		**54-pieces**	220076	11,780	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✷ Best-seller Premium product

Tool case “Leopard“ 1000 V

ABS+

rigid case, signal-red, complete with 32 safety tools (460 x 180 x 310 mm).

Content:

- 2C-VDE electrician’s screwdrivers
  2,5 x 75, 4 x 100, 6,5 x 150, 8,0 x 175, 10,0 x 200 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C-VDE cross slotted screwdrivers PZ, size 1 + 2
- Retaining screwdrivers 100, 125 mm
- Retaining screwdriver, cross-slotted
- Right angle allen keys, 6, 8 mm
- VDE round nose pliers, 160 mm
- VDE telephone pliers, straight, 200 mm
- VDE telephone pliers, bent, 200 mm
- VDE combination pliers 185 mm
- VDE wire stripping pliers 160 mm
- VDE side cutter, 165 mm
- Socket wrenches 5,5, 6, 7, 8 mm
- Voltage Tester „Profi“
- Cable knife, insulated
- Cable knife
- Cable scissor
- Plastic pliers 180 mm
- Covering tape, red 10 m
- NH-safe

1000 V IEC 60900

ABS 25 kg

Art. no.	set	empty	kg	PU
220136	**32-pieces**	220076	9,400	1

Tool case “Power Pack“ 1000 V

ABS+

rigid case, signal red, with alu frame and 2 locks, 3 plates with many compartements for tools, case 220076 (460 x 180 x 310 mm).

Content:

- 2C-VDE electrician‘s screwdrivers
  2,5 x 75, 4 x 100, 5,5 x 125 und 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH, size 1 + 2
- 2C-VDE screwdrivers PZ/FL, size 1 + 2
- 2C-VDE combination pliers 185 mm
- 2C-VDE diagonal cutter 165 mm
- 2C-VDE telephone pliers 200 mm
- 2C-VDE cable cutter 200 mm
- 2C-VDE water pump pliers 240 mm
- VDE cable knive, straight blade, 50 mm
- Safety glasses „PRO“
- Automatic wire stripper 0,2 - 6 mm²
- Voltage tester „TestPen“
- Voltage tester „Profi“
- Finger gloves, size 9
- Ear protection plugs
- NH-safety fuse grip

1000 V IEC 60900

ABS 25 kg

Art. no.	set	empty	kg	PU
220303	**21-pieces**	220076	8,680	1

haupa®

... convincing solutions

HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Tool case “Merkur Plus“

ABSfly

rigid case, black, Master’s case with 25 tools. Case 220034.

Content:

- 2C electrician‘s screwdrivers 75, 125, 150 mm
- 2C engineers’ screwdrivers 100, 150 mm
- 2C cross slotted screwdrivers, PH, size 1 and 2
- Universal scissor, 190 mm
- Cable knife, 1-piece
- Wire stripper, hooked blade, 8 - 28 mm Ø
- 2C combination pliers, 180 mm
- 2C heavy duty side cutters, 180 mm
- 2C telephone pliers, 200 mm
- 2C telephone pliers, bent, 200 mm
- 2C water pump pliers, 240 mm
- 2C wire stripping pliers, 160 mm
- PUK pocket saw, fixed handle
- Electricians’ chisel 10 x 250 mm
- Measuring stick, 2 m
- Alu level, 400 mm
- 2C piercing awl
- Voltage tester 150 - 250 V
- Adjustable wrench, 210 mm
- Engineers’ hammer, 300 g
- Paint scraper, 50 mm

ABS 40 kg

Art. no.	set	empty	kg	PU
220035	**25-pieces**	220034	9,980	1

Tool cases 1000 V

Tool case “Venus Plus“ 1000 V

ABSfly

rigid case, signal-red, complete with 32 safety-tools. (460 x 180 x 310 mm).

Content:

- Electrician’s screwdrivers 75, 100, 150, 175, 200 mm
- Cross slotted screwdriver, PH size 1 + 2
- Cross slotted screwdriver, PZ No. 1 + 2
- VDE round nose pliers 160 mm
- VDE telephone pliers, straight, 200 mm
- VDE telephone pliers, bent, 200 mm
- VDE combination pliers 185 mm
- VDE side cutter 165 mm
- VDE wire stripping pliers 160 mm
- Retaining screwdrivers 100, 125 mm
- Retaining screwdriver cross-slotted
- Right angle allen keys, 6, 8 mm
- 2C-VDE socket wrenches 5,5, 6, 7, 8 mm
- Voltage tester ”Profi”
- Cable knife, insulated
- Cable knife
- Cable scissor
- Plastic pliers 180 mm
- Self adhesive PVC tape, red, 10 m
- NH-Safety grip
- Finger gloves, size 9

1000 V IEC 60900

ABS 40 kg

Art. no.	set	empty	kg	PU
220033	**32-pieces**	220032	10,160	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Tool case "HAUPA – Lifesaver" 1000 V

Aluminium case, equipped with 54 safety tools.
Size: 830 mm x 550 mm x 300 mm, weight: 37 kilos.

Content:

- 2C-VDE socket wrenches 5, 5,5, 7, 8, 10, 11, 13 mm
- Voltage-Tester
- 2C-VDE electrician's screwdrivers
  2,5 x 75, 3 x 100, 4 x 100, 5,5 x 125, 6,5 x 150 mm
- 2C-VDE cross-slotted-screwdrivers PH, size 1, 2
- 2C-VDE cross-slotted-screwdrivers PZ, size 0, 1, 2
- VDE right angle-allen key 3
- VDE right angle-allen key 4
- VDE right angle-allen key 5
- VDE right angle-allen key 6
- VDE right angle-allen key 8
- VDE right angle-allen key 10
- VDE right angle-allen key 12
- VDE open-End Spanners
  6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 30 32
- spanner for switch-cabinets
- finger gloves, size 10
- VDE safety face mask
- VDE safety grip
- VDE electricans boots, size 42
- VDE insulating floor mat
- VDE rubber towels 600 mm
- VDE plastic clip 160 mm (2-pieces)
- Slip-on busches 10 mm (4-pieces)
- Safety belt 1400 mm
- Fallstop-breaking device and rope shortening 2 m
- VDE knife with strong blade
- VDE cable cutter 200 mm
- VDE combination pliers 185 mm
- VDE side cutter 185 mm
- VDE long chain nose pliers 200 mm
- VDE wire stripping pliers 160 mm
- VDE tweezer, pointed round 150 mm
- Fall breaking belt typ A

1000 V IEC 60900

Art. no.	set	width	height	depth	kg	PU
220400	**54-pieces**	830	550	300	37,0	1
220079	**empty**	830	550	300	18,6	1

Hard-top tool cases

Tool case „Start-up Sanitär“

ABS

hard-side case, black, 2 tool sections, document pocket, combination lock, bottom half of case equipped with variable partitions, with high-grade fittings, 24 tools, case 220031.

Content:

- Side cutters VDE, 160 mm
- 2C-VDE telephone pliers, 200 mm
- Water pump pliers, 240 mm
- 2C-VDE electrician‘s screwdrivers 2,5 x 75, 4 x 100, 5,5 x 125, 6,5 x 150 mm
- 2C-VDE cross slotted screwdrivers PH 1 + 2
- Hexagon angle screwdriver set, with spherical head, 9 pcs., wrench size 1,5 – 10
- Express-Key M10
- Pipe wrenches, 430 mm, pipe 1 1/2“, wrench size 59 mm
- Tube cutter, Ø 3 – 35 mm
- PUK pocket saw DIN 6473 C
- Electricians’ chisel, 12 x 250 mm
- Engineers’ hammer
- Paint scraper, 185 x 40 mm
- Plaster cup, Ø 125
- Water brush
- Wire brush, 300 mm
- Folding rules, wood, 2 m
- Cabinet level, 200 mm
- Carpenters‘ pencil, 150 mm

1000 V IEC 60900

ABS 25 kg

Art. no.		set	empty	kg	PU
220263		**24-pieces**	220031	9,300	1

Tool case „Start-up SHK“

ABS

hard-side case, black, 2 tool sections, document pocket, combination lock, bottom half of case equipped with variable partitions, with high-grade fittings, 57 tools, case 220031.

Content:

- 2C-VDE Side cutters, 200 mm
- 2C-VDE telephone pliers, 200 mm
- Water pump pliers, 240 mm
- Pipe wrenches, 430 mm, pipe 1 1/2“, wrench size 59 mm
- Express -Key M10
- Switch cabinet key, „HUPkey“ with converting bit
- 2C-VDE electrician‘s screwdrivers 3,5 x 100, 5,5 x 125 mm
- 2C-VDE cross slotted screwdrivers PH 1 + 2
- 2C-VDE screwdrivers Tx 15, 20, 25
- Socket set 1/4“, 33 pcs.
- Double ended spanners DIN 3110, wrench size 10 – 11
- Double ended spanners DIN 3110, wrench size 12 – 13
- Utility metal knives
- Hexagon angle screwdriver set, with spherical head, 9 pcs. wrench size 1,5 – 10
- VDE/GS-Voltage testers, VDE-tested 0426/72
- Engineers’ hammer
- Stone chisels, octagonal shank, 28 x 250 mm
- Aluminium spirit levels, 400 mm
- Tube cutter, Ø 3 – 35 mm
- Micro pipe cutter, Ø 3 – 16 mm

1000 V IEC 60900

ABS 20 kg

Art. no.		set	empty	kg	PU
220264		**57-pieces**	220031	12,800	1

Laser marking

Attractive laser marking for your individual tool case

Show profile – give your tool case your name! Logo and name in noble laser design on aluminium plate.

You decide where it’s placed!

Art. no.		kg	PU
220193	**Label**	0,020	1

Assortment boxes

Assortment boxes with metal catch and pick boxes

black plastic, including pick boxes

Content:

4 Boxes 49 x 49 x 72 mm
6 Boxes 49 x 98 x 72 mm
2 Boxes 98 x 98 x 72 mm
4 Boxes 98 x 148 x 72 mm

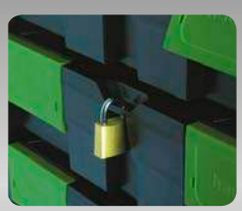
Art. no.	width	depth	height		kg	PU
221131 ✸	415	335	90		1,500	1
221133	415	335	90	empty	1,200	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

✸ Best-seller Premium product

SysCon - Systemcontainer

haupa®
... convincing solutions



Video SysCon

HAUPA SysCon product profile:

The basic idea behind the System Container is that the individual containers can be connected to each other to enable easy transport thus ensuring that simple access is provided to the contents of all containers.
The containers may be offered in an empty state or with contents. If sold with contents, the contents should encompass assortments which include connection materials, fixture materials and tools.

In addition, the System Container should also acts as a transportation method of HAUPA Smart Hydraulics since the stacking concept enables the hydraulic pressing tools to be organised along with the appropriate cable lugs thus forming a system unit.

The four conical feet on the uppermost container are automatically guided into the correct position on the container below. The connection of the containers is made without expenditure of force, simply be placing them on top of one another: The snap closures on the side mean that the containers can be separated just as easily. The closures are pull gently outwards which enables lifting.

When stacking, the container handles may be extended or folded in.

The design of the container ensures that water cannot enter the container.

Quality profile:
In order to ensure maximum stability, the containers are made from ABS. ABS is capable of withstanding both high and low temperatures without distorting or breaking.

The hard tests under a variety of conditions:
Fall tests with both empty and filled containers, stress tests, bounce tests and tensile tests have proved the robustness of the container and of components such as handles, closing flaps, snap closures etc.

Target group:
Due to the high quality and the extreme robustness afforded by this product, the target users are professionals:
Trade - Industry - Laboratories, etc.

Test simulation	Temperature	Fall height	Explanation/Observation
Fall test (empty)	+20° - 10°C	0,5 m	no damage to the product
		1,0 m	no damage to the product
		1,5 m	no damage to the product
		2,0 m	no damage, but the snap closures and closing flaps opened up
		2,5 m	minor break on the lid of the inner housing where the lid closes on the underside

Test simulation	Temperature	Fall height	Explanation/Observation
Ultimate stress test (Box closed)	+20° - 10°C	2,0 m	no damage to the product

Test simulation	Temperature	Fall height	Explanation/Observation
Fall test (Content 5 kg)	+20° - 10°C	0,5 m	no damage to the product
		1,0 m	no damage to the product
		1,5 m	no damage, but the snap closures and closing flaps opened up
		2,0 m	no damage, but the snap closures and closing flaps opened up

Test simulation	Temperature	Jump height	Explanation/Observation
Bounce test (90 kg)	+20° - 10°C	0,3 m	It is not possible to destroy the product by this test.

Test simulation	Temperature	Content	Explanation/Observation
Handle	+20° - 10°C	60 kg	No damage to the handle
		70 kg	no damage, but the snap closures and closing flaps opened up

Test simulation	Temperature	Content	Explanation/Observation
Snap closures and closing flaps	+20° - 10°C	60 kg	No damage to the snap closures No damage to the closing flaps
		70 kg	no damage, but the snap closures and closing flaps opened up

ABS plastic box „SysCon S“

SysCon

outer dimensions: 464 x 353 x 142 mm
inner dimensions: 400 x 300 x 80 mm

without inlay

Art. no.	width	depth	height	kg	PU
220370	400	300	80	2,200	1

SysCon transport system

SysCon

for simple and flexible transportation of HAUPA ABS SysCon plastic boxes

- SysCon lockable thanks to lateral snap latches on the transport system
- Metal plate with 4 castors, 2 lockable
- Max. load: 200 kg

Art. no.	width	depth	height	kg	PU
220653	470	240	105	3,300	1

ABS plastic box „SysCon M“

SysCon

outer dimensions: 464 x 353 x 212 mm
inner dimensions: 400 x 300 x 150 mm

without inlay

Art. no.	width	depth	height	kg	PU
220372	400	300	150	2,600	1

Take a look at our SysCon crash test on YouTube!

SysCon Crashtest

ABS plastic box „SysCon XL“

SysCon

outer dimensions: 464 x 335 x 362 mm
inner dimensions: 400 x 300 x 312 mm

without inlay

Art. no.	width	depth	height	kg	PU
220650	400	300	312	2,800	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

SysCon for assortment inserts empty

Content:

1	220370	ABS plastic box „SysCon S“
2	220376	Foam insert "SysCon" 395 x 300 x 15 mm
24	221135	Box M

Art. no.		kg	PU
220620	**empty**	2,800	1

SysCon M for assortment inserts empty

Content:

1	220372	ABS plastic box „SysCon M“
1	220374/S	Assortment insert SysCon with foam
1	220399	Foam "SysCon" 395 x 300 x 10 mm
14	221135	Box M
2	221136	Box L
2	221137	Box XL

Art. no.		kg	PU
220770	**leer**	3,000	1

SysCon for assortment inserts, empty

Content:

1	220370	ABS plastic box „SysCon S“
2	220376	Foam insert "SysCon" 395 x 300 x 15 mm
14	221135	Box M
2	221136	Box L
2	221137	Box XL

Art. no.		kg	PU
220628	**empty**	2,900	1

SysCon tool box empty

Content:

1	220372	ABS plastic box „SysCon M“
1	220399	Foam insert "SysCon" 300 x 395 x 10 mm
1	220374	Tools insert "SysCon"
1	220379	Tool plate "SysCon" 11 compartments

Art. no.		kg	PU
220622	**empty**	2,400	1

SysCon tool box empty

Content:

1	220370	ABS plastic box „SysCon S“
2	220377	Foam insert "SysCon" 395 x 300 x 20 mm
1	220406	Tools insert "SysCon"

Art. no.		kg	PU
220626	**empty**	2,500	1

ABS plastic box „SysCon XL“ variable

outer dimensions: 464 x 335 x 362 mm
inner dimensions: 400 x 300 x 312 mm

incl. tool plate and adjustable inner divider

Art. no.		width	depth	height	kg	PU
220654	**empty**	400	300	312	4,300	1

Tool plate

adjustable inner divider
with 10 tool straps
dimensions: 275 x 285 mm

Art. no.	width	height		kg	PU
220655	275	285	**empty**	0,200	1

Tool plate SysCon

11 compartments

Art. no.	width	depth	height	kg	PU
220379	400	300	20	0,200	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Foam insert SysCon

soft foam, 395 x 300 x 10 mm

Art. no.	width	depth	height	kg	PU
220399	395	300	10	0,020	1

Foam insert SysCon

soft foam, 395 x 300 x 15 mm

Art. no.	width	depth	height	kg	PU
220376	395	300	15	0,030	1

Foam insert SysCon

rigid foam, 395 x 300 x 20 mm

Art. no.	width	depth	height	kg	PU
220377	395	300	20	0,055	1

Foam insert SysCon

rigid foam, 395 x 300 x 65 mm

Art. no.	width	depth	height	kg	PU
220378	395	300	65	0,200	1

Tools insert SysCon

Polypropylen, 5 compartments

Art. no.	width	depth	height	kg	PU
220374	400	300	80	0,200	1

Tools insert SysCon

Polypropylen, 10 compartments

Art. no.	width	depth	height	kg	PU
220375	400	300	80	0,200	1

Tools insert SysCon

Polypropylen, 18 compartments

Art. no.	width	depth	height	kg	PU
220355	400	300	80	0,200	1

Tools insert SysCon

Polypropylen, with 12 adjustable compartments

Art. no.	width	depth	height	kg	PU
220356	400	300	80	0,200	1

Box S

ABS, conical design for stacking with snap on base plate

Art. no.	width	depth	height	kg	PU
221134	49	49	72	0,020	1

Box M

ABS, conical design for stacking with snap on base plate

Art. no.	width	depth	height	kg	PU
221135	98	49	72	0,031	1

Box L

ABS, conical design for stacking with snap on base plate

Art. no.	width	depth	height	kg	PU
221136	98	98	72	0,048	1

Box XL

ABS, conical design for stacking with snap on base plate

Art. no.	width	depth	height	kg	PU
221137	148	98	72	0,065	1

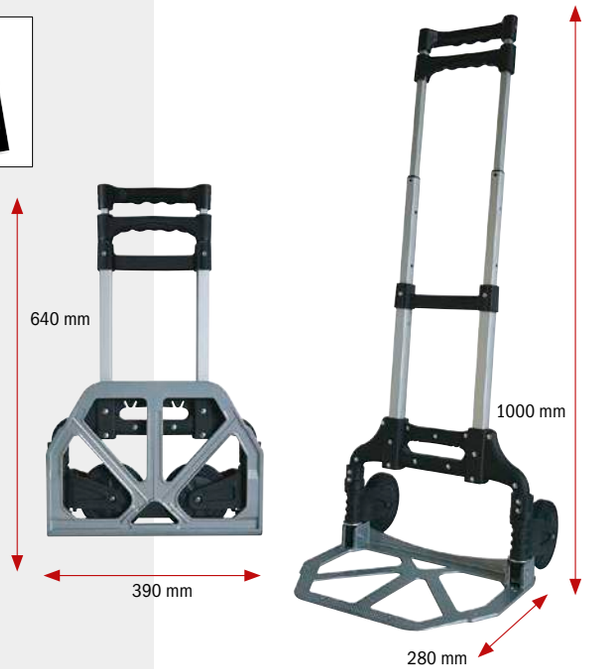
Baseplate for fixing

Polypropylene, grids for even better non-slip grip

Art. no.	width	depth	kg	PU
221138	400	300	0,100	1

SysCon hand truck

Properties:
- up to 60 kg
- sturdy aluminum frame
- Hand truck shovel: 390 x 280 mm



Art. no.	max.kg	kg	PU
220602	60	2,500	1

SysCon load securing “SysConCar“

Properties:
- 21 slots (rear side)
- 3 round holes each side, left and right
- 5 round holes in floor plate
- Width: 475 mm, height: 1080 mm, depth: 360 mm
- Volume for contents:
  max. 5 ABS boxes „SysCon M“
  max. 8 ABS boxes „SysCon S“

Art. no.	width	depth	height	kg	PU
220644	475	360	1080	5,000	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

SysCon tool case set

SysCon

Content: 17 tools

1	220372	ABS plastic box "SysCon M"
1	220374	Tools insert "SysCon"
1	220399	Foam "SysCon" 400 x 300 x 10 mm
1	220379	Tool plate "SysCon" 11 compartments
210696		Spanner for switch-cabinets
210695		Automatic wire stripper 0,2 – 6 mm²
263842		VDE electrical tape 19 mm x 20 mm, black
263844		VDE electrical tape 19 mm x 20 mm, white
263860		VDE electrical tape 19 mm x 20 mm, green/yellow
200031		Cable stripping knife 8 – 28 mm²
211200		2C-VDE combination plier DIN 5244, 185 mm
211204		2C-VDE side cutter DIN 5238 B, 165 mm
211208		2C-VDE telephone plier DIN 5236 A, 200 mm, straight
101870		2C-VDE screwdriver PZ/FL 1
101872		2C-VDE screwdriver PZ/FL 2
181910		2C-VDE screwdriver 2,5 x 75 mm
101914		2C-VDE screwdriver 3,5 x 100 mm
101916		2C-VDE screwdriver 4,0 x 100 mm
101920		2C-VDE screwdriver 6,5 x 150 mm
101942		2C-VDE screwdriver PH1
101944		2C-VDE screwdriver PH2

Art. no.	set	empty	kg	PU
220392	**17-pieces**	220372	4,300	1

SysCon tool case set "Start VDE“

SysCon

Content: 22 tools

1	220372	ABS plastic box "SysCon M"
1	220374	Tools insert "SysCon"
1	220399	Foam "SysCon" 400 x 300 x 10 mm
1	220379	Tool plate "SysCon" 11 compartments
240042		Aluminium spirit levels 400 mm
180184		Engineers‘ hammer 300 g
210695		Wire stripper Super Plus 0,2 – 6 mm²
200043		Universal stripper 0,2 – 4 mm²
211200		2C-VDE combination pliers DIN 5244, 185 mm
211217		2C-VDE heavy duty side cutters DIN 5238 A, 170 mm
211208		2C-VDE telephone pliers DIN 5236 A, 200 mm, straight
101999		2C-VDE screwdrivers set
101870		2C-VDE screwdriver with PZ slot profile PZ/FL 1
101872		2C-VDE screwdriver with PZ slot profile PZ/FL 2
180092		Electricians’ chisels 10 x 250 mm
100647		Voltage tester VDE/GS
150090		Carpenters‘ pencil
150024		Paint scrapers 40 mm
150004		Water brushes
240002		Folding rules 2 m
150006		Plaster cup

Art. no.	set	empty	kg	PU
220608	**22-pieces**	220372	6,500	1

HAUPA Workshop trolley

- with 6 drawers and 2 outer compartments
- outside dimensions: 907 x 474 x 815 mm
- drawer dimensions:
  3 small drawers: 568 x 75 x 398 mm
  3 large drawers: 568 x 154 x 398 mm
- material thickness: 0.8 mm
- with practical side handle
- 4 castors (2 rollers with brake)
- 40 kg load capacity per drawer
- drawers suitable for HAUPA foam inserts
- 3 integrated locks
- EVA mats on the trolley and in the drawers prevent unintentional slippage

Art. no.	width	depth	height	kg	PU
220750	907	474	815	69,5	1

Workshop trolley

robust, versatile and mobile

Foam socket wrench set „Torque“ ¼“

1/4"

including tools, chrome vanadium steel, industrial quality, including HAUPA „FlexPlus“ ratchet screwdriver.

Content:

12	sockets ¼" 4 - 4.5 - 5 -5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13
5	sockets ¼" Tx, long version T20, T25, T27, T30, T40
4	sockets ¼" Hex, long version 4, 5, 6, 8 without hole
2	extension bar ¼", 50 and 150 mm
1	adapter ⅜" x ¼" for extension bar work as T-handle
1	universal joint ¼"
1	bit adapter ¼"
1	reversible ratchet ¼"
1	torque wrenches ¼", 5 – 25 Nm
1	ratchet screwdriver “Flex”
2	adapter 50 and 80 mm
4	bits ¼" 50 mm PH 0 - 1 - 2 - 3
4	bits ¼" 50 mm PZ 0 - 1 - 2 - 3
2	bits ¼" 50 mm PZ/FL 1 - 2
4	bits ¼" 50 mm SQ 3 - 4 - 5 - 6
6	bits ¼" 50 mm hexagonal 2 - 2.5 - 3 - 4 - 5 - 6

TQ

Art. no.	drive	Nm	set	kg	PU
220640/H	1/4"	5 - 25	**51-pieces**	2,600	1

Foam inlay for socket set “Torque“ ½“

1/2"

including tools, chrome vanadium steel, industrial quality

Content:

17	sockets ½" 8 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 19 - 21 - 22 - 23 - 24 -27 - 30 - 32 mm
5	sockets ½" Tx, long version T30, T40, T45, T50, T55
4	sockets ½" Hex, long version 8, 10, 12, 14 without hole
2	extension bar ½", 75 and 250 mm
1	adapter ⅜" x ½" for extension bar work as T-handle
1	universal joint ½"
1	reversible ratchet ½"
1	torque wrenches ½", 21 – 119 Nm

TQ

Art. no.	drive	set	kg	PU
220642/H	1/2"	**32-pieces**	2,600	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Foam inlay for socket set “SocketMax“ ¼“ + ½“

1/4"1/2"

including tools, chrome vanadium steel, industrial quality, including HAUPA „FlexPlus“ ratchet screwdriver.

Content:

12	Sockets 1/4“ 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
2	Extensions 1/4“ 50 – 150mm
1	Adapter 3/8“ x 1/4“ for sliding handle
1	Kardanjoint 1/4“
1	Bit adapter 1/4“
1	Reversible ratchet 1/4“
13	Sockets 1/2“ 10-11-12-13-14-15-17-19-22-24-27-30-32 mm
2	Extensions 1/2“ 75 – 250 mm
1	Adapter 3/8“ x 1/2“ for sliding handle
1	Kardanjoint 1/2“
1	Reversible ratchet 1/2“
1	Ratchet screwdriver „Flex“
2	Adapter 50 – 80 mm
4	Bit 1/4“ 50 mm PH 0 - 1 - 2 - 3
4	Bit 1/4“ 50 mm PZ 0 - 1 - 2 - 3
2	Bit 1/4“ 50 mm PZ/FL 1 - 2
4	Bit 1/4“ 50 mm SL 3 - 4 - 5 - 6 mm
6	Bit 1/4“ 50 mm hexagon 2 - 2.5 - 3 - 4 - 5 - 6

Art. no.	drive	set	kg	PU
220600/H	1/2“, 1/4“	**55-pieces**	2,600	1

Foam inlay for smart battery hydraulics “S0-6“

Hydraulic for interchangeable dies, crimping head 180° swivelling, Head can be opened, manual return flow after perfect pressure.

Extent of supply:

1 crimping tool, 1 charger, 1 battery, without crimping headstock.

- Pressing force in kN: 60 kN
- Working pressure in bar: 700
- Head can be opened
- Opening/ Hub: 17 mm
- Pressing width: slim
- Pressing time, battery-operated in seconds: ca. 5
- Battery charging time in minutes: 30
- Battery type: Li-Ion, 18 V, 1,5 Ah
- Cable lugs: standard Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240
- Connectors: Cu 6-300 • DIN Cu 6-300 • DIN Al 16-240

Art. no.	mm²	kg	PU
216801/H	6 - 300	7,900	1

Foam inlay for socket set “VDE-Socket“ ½“

1/2"

complete with 1/2“ tools. The plastic material used for socket sets is guaranteed to pass –40°c impact tests. This quarantee that the insulation value will not be compromised due to impact.

Content:

- Reversible ratchet 250 mm, 1/2“
- T-slip-on-keys 200 mm, 1/2“
- Extension 125 and 250 mm, 1/2“
- Sockets 1/2“, 10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 32 mm
- Dies for hexagon srews 1/2“, 4, 5, 6, 8, 10 mm

Art. no.	drive	set	kg	PU
220413	1/2"	**20-pieces**	6,500	1

HUPchemie

haupa®
... convincing solutions

Construction Glue HUPfix+

Application HUPFix+:
Gluing of metal, wood and synthetic materials in electrical sectors, building, furniture manufacture, container construction, metal work, machinery, air conditionioning, yacht/boat construction, body-work, vessel construction and construction of window and door frames. Suitable in applications where silicones can not be used. An adhesive with a grab and bond strength so good it can be classed as the ultimate performance adhesive. With HUPfix+ it is possible to glue heavy materials like cables, stone, wood, tiles and metals on ceilings and walls, where other common glues fail.

Characteristics:
The materials which needs to be glued, must be clean, free of oil and grease. Apply the HUPfix+ on one side, place the material to be glued together and press firm. Direct adhesion. Skinning time after 10 till 20 minutes. Curing 3 mm/24 hours. Shelf life: 12 months. Temperature resistance: -40 till +100°C (130°C short-term up to 2-3 hours). Application temperature: +5 till +40°C.

170206 HUPfix+

Art. no.	ml		kg	PU
170206	310	Adhesion+Sealing	0,450	1

MS-Polymer HUPfix

How to use HUPfix:
HUPfix is a high-quality adhesive and sealant with an MS polymer base. UV, weather, saltwater and chlorine resistant. Very good adhesion to many surfaces, in most cases, without primer. Hardens quickly. The join must be smoothed immediately after application using acid-free soapy water.

Properties:
Temperature resistant from -40 to +100°C. Processing temperature +5 to +40°C. HUPfix can be used both as adhesive and for grouting. Can be painted.

Art. no.	ml		colour	kg	PU
170216	310	Adhesion+Sealing	transparent	0,300	1
170210	310	Adhesion+Sealing	grey	0,440	1
170212	310	Adhesion+Sealing	black	0,440	1
170214	310	Adhesion+Sealing	white	0,440	1

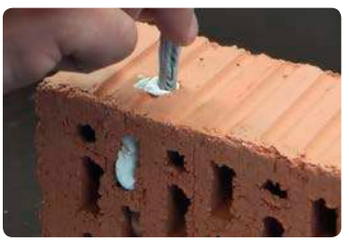
Construction Adhesive HUPmount

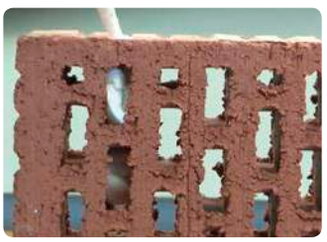
How to use HUPmount:
Used to joint wood, plywood, fibreboard, MDF, laminated boards, metals, aluminium, natural stone, artificial stone such as Corian® and Varicor, cement, marble, ceramics, acrylic, plastics, plasterboard, polystyrene, hard foam, insulation and many more, for fitting and securing dowels in brickwork.

Properties:
HUPmount is weather-resistant in accordance with DIN EN 204 D4, combines almost all materials, single-component, easy to use, solvent-free, silicone-free, aging-resistant, resistant to many chemicals, good initial adhesion (full load may be applied after approximately 15 minutes), frost-safe, high final durability, suitable for natural stone.
Temperature resistant from -30°C to +110°C.

170208

Art. no.	ml		kg	PU
170208	310	Adhesion+Sealing	0,470	1





PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

HUPsilicon

How to use HUPsilicon:
For grouting indoors and outdoors, window glazing and sealing of joints in wood, plastic and aluminium windows. Corresponds to DIN 18545 Part 2. Very good adhesion on the majority of usual varnishes and paints.

Properties:
Permanently elastic. Aging, weather and UV resistant. Odour neutral. No early crack formation. Good adhesion on worktops. No surface stickiness.
Temperature resistant from -50°C to +150°C
Processing temperature +5°C to +40°C.
Skin formation time approximately 10-15 minutes (at 23°C).

Art. no.	ml		colour	kg	PU
170200	310	Adhesion+Sealing	transparent	0,450	1
170202	310	Adhesion+Sealing	white	0,450	1

High temperature silicon HUPsilicon

How to use HUPsilicon:
For sealing joints and surfaces in temperature-critical areas (extreme cold and heat). Can be used as coating for solid seals. For sealing drive axle covers, inlet systems, differential covers, gear, front and camshaft bearing covers, thermostat housings, oil pumps, oil tanks, spur-wheel covers, spotlights and street lighting, windscreens, water pumps etc. (not suitable for adherence to PP, PE, Teflon® and bitumen surfaces, or for parts constantly exposed to solvents)

Properties:
Sealing and adhesive mass with a silicone base. Heat stabilised, excellent resistance to UV and weather influences as well as to motor and gear oils, resistant to chemicals, mechanical and environmental influences, resistant to water, salt water, cold, heat, very high flexibility and good adherence on almost all surfaces.
Colour: Black
Skin formation time: 10 minutes
Temperature resistance: -40° to +260°

Art. no.	ml	colour	kg	PU
170250	310	black	0,450	1

Cartridge tip

for 310 ml cartridges

Art. no.		kg	PU
300116	Adhesion+Sealing	0,003	1

Cartridge gun

for 310 ml cartridges

- for processing silicone and polymer cartridges

Art. no.		kg	PU
170252	Adhesion+Sealing	0,450	1

Cartridge gun „Profi“

for 310 ml cartridges

- for processing silicone and polymer cartridges

Art. no.		kg	PU
170254	Adhesion+Sealing	0,450	1

2 Component High-Performance-Adhesive HUPmega

How to use HUPmega:
Gluing of metal, stone, ceramics, wood and plastic. Simple to use. Extremely high durability. HUPmega is mixed automatically. Within 4 minutes, combine the pieces and wait 24 hours to harden (approximately 75% of the final hardness will be achieve after 2 hours at room temperature).

Properties:
Temperature-resistant: -55°C to+120°C
Open time: approximately 5 minutes
Mechanical processing: After approximately 30 minutes
Final hardness: After 24 hours
Processing temperature: from +10°C to +30°C
Weather-resistant, good media resistance
Storage temperature +6°C to maximum +28°C

Art. no.	ml		kg	PU
170220	25	Adhesion+Sealing	0,050	1

Mixing nozzle

- for 2-component adhesive

Art. no.		kg	PU
170234	Adhesion+Sealing	0,003	1

haupa®
... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

2 Component-epoxyd glue HUPepoxyd

How to use HUPexpoxyd:
Gluing of metal, (hard) plastic, ceramics, glass, porcelain, stone, wood, concrete, rubber and much more. Ideal for gluing tasks with high visual requirements. Clean the surfaces to be glued, open the cap and screw the mixing nozzle into place. Dispose of the first 2 g since this will not be mixed 1:1. Then apply the glue and join the parts. Remove the mixing nozzle and dispose it. Replace the cap. Store open cartridges in a cool place and use as soon as possible (you can also work without the nozzle).

Properties:
Temperature resistant: -40°C to +80°C. Processing temperature: +10°C to +30°C. Final hardness: 24 hours. Open time: approximately 5 minutes.

Art. no.	ml		kg	PU
170222	25	Adhesion+Sealing	0,025	1

2 Component liquid metal HUPfastMetal

How to use HUPfastMetal:
Repair of cracks, drill holes, holes etc. Suitable for extremely strong adhesion of metal and metal alloys (steel, aluminium). Clean the surfaces to be glued, open the cap and screw the mixing nozzle into place. Dispose of the first 2 g since this will not be mixed 1:1. Then apply the glue and join the parts. Remove the mixing nozzle and dispose it. Replace the cap. Store open cartridges in a cool place and use as soon as possible (you can also work without the nozzle).

Properties:
Temperature resistant: -50°C to +120°C, Open time approximately 5 - 10 minutes. After approximately 30 minutes, you will be able to mechanically process the repaired location.

Art. no.	ml		kg	PU
170224	25	Adhesion+Sealing	0,025	1

HUPsuperglue

How to use HUPsuperglue:
The surfaces must be clean and free of oil or grease. Apply a thin layer of HUPsuperglue to one side and join the parts.

Art. no.	ml		kg	PU
170226	20	Adhesion+Sealing	0,020	1

Fine droplet tip

Art. no.		kg	PU
170236	Adhesion+Sealing	0,001	1

Double-Sided Acryl Tape HUPtapeDouble

How to use HUPtapeDouble:
Permanent and safe hold on almost all smooth surfaces such as metal, wood, glass, plastic, ceramics and rubber. Ideal for mounting brackets, signs, hooks, shelf elements, etc.
Not suitable for: PE, PP, PTFE (e.g. Teflon®), silicone, paper and vinyl wallpaper, non-load-carrying surfaces as well as surfaces with dirt-repelling coatings.

Properties:
HUPtapeDouble is an extremely strong, double-sided sticky tape. For durable adhesion, installation and securing both indoors and outdoors. Load up to a maximum of 1.3 kg.
Transparent. Surfaces are not damaged. Moisture resistant.
Used in dry, clean and well-aired areas with temperatures of +10°C to +30°C.

Art. no.		kg	PU
170232	Adhesion+Sealing	0,050	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Screw-Locking Medium-Strength HUPlockM

How to use HUPlockM:
For all screws with threads up to M36.
Extremely viscous, medium hard, can be removed.

Properties:
Hand-tight: 10 - 20 minutes
Functionally-tight: 1 - 3 hours
Temperature resistant: -55 to +150°C

Art. no.	ml		kg	PU
170238	50	Adhesion+Sealing	0,050	1

Screw-Locking High-Strength HUPlockH

How to use HUPlockH:
For all screws with threads up to M20.
Medium viscosity, extremely durable, difficult to remove.

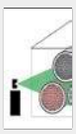
Properties:
Hand-tight: 10 - 20 minutes
Functionally-tight: 1 - 3 hours
Temperature resistant: -55 to +150°C

Art. no.	ml		kg	PU
170240	50	Adhesion+Sealing	0,050	1

Anti-Friction-Coating HUPcable

Application HUPcable:
Spray the prepared cable. Wait for the propellant gas to evaporate (a few seconds) then pull in the cable.

Properties:
HUPcable simplifies pulling of cable into the protective hose.



Art. no.	ml		kg	PU
170174	400	Coating+Lubrication	0,450	1

Water-based lubricants and slip agents

This prevents 80% of friction and facilitates cable laying through excellent slippage in every situation. As soon as the water is evaporated, the main part of the lubricant remains und ensures that old cables can easily be pulled out and new ones inserted, for many years and at different temperatures.

Gel lubricant art. 143344: plastic bottle 500 ml
Gel lubricant art. 143345: plastic bottle 1.000 ml

Art. no.		kg	PU
143344	plastic bottle 500 ml	0,572	1
143345	plastic bottle 1.000 ml	1,150	1

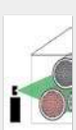
Dispenser for plastic bottle

Art. no.		kg	PU
143346	Coating+Lubrication	0,016	1

Water-based lubricants and slip agents

This prevents 80% of friction and facilitates cable laying through excellent slippage in every situation. As soon as the water is evaporated, the main part of the lubricant remains und ensures that old cables can easily be pulled out and new ones inserted, for many years and at different temperatures.

Foam lubricant, spray can 400 ml



Art. no.		kg	PU
143348	spray can 400 ml	0,457	1

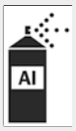
haupa®
... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Aluminium-Spray HUPalu

Application HUPalu:
For servicing and maintaining the value of machine parts, for processing of machines, furnaces, heating and steam systems, pipes, exhaust systems, turbines, etc., as a container protection, coating for wheels, trucks bodies and much more.

Properties:
HUPalu pure aluminum spray 99.5%, heat resistant up to 900°C, anti-corrosive and high-temperature-resistant, scratch-, brushing and abrasion resistant, weather resistant.

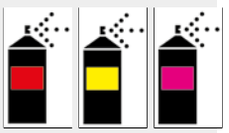


Art. no.	ml		kg	PU
170154	400	Coating+Lubrication	0,450	1

Marking Paint HUPmark

Application HUPmark:
The area to by sprayed must be dry, clean and grease-free. Bring the can up to room temperature. Before use and after each pause in spraying, shake well until the mixing ball moves freely. After use, spray out upside down.

Properties:
Marking spray for industrial, craft, construction and mining etc. For fast, clean and permanent marking of: Cement, wood, masonry, metal, asphalt, soil, plaster, glass, ceramics etc. For labelling and marking of: Pavements and roads, construction measures, breakthroughs, pipe and cable ducts, free from heavy metals, lead and cadmium, dries quickly and is friction and waterproof.

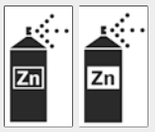


Art. no.	ml	form	colour	kg	PU
170140	500	Coating+Lubrication	luminous red	0,550	1
170141	500	Coating+Lubrication	luminous yellow	0,550	1
170142	500	Coating+Lubrication	luminous pink	0,550	1

Zinc-Spray HUPzinc

Application HUPzincDark:
For rectification of hot-dip galvanized parts, subsequent protection after welding, to repair damaged surfaces, corrosion protection by galvanic effect, protective coating for pipes and metals, primer for subsequent coats. Forms a durable protective layer with water-insoluble Zinc oxide, iron (steel) and thus protects also defective places.

Properties:
HUPzinc is a mixture of high-purity zinc and aluminum powder, heat resistant, weather-resistant and quick-drying.



Art. no.	ml		colour	kg	PU
170150	400	Coating+Lubrication	Dark	0,450	1
170152	400	Coating+Lubrication	Light	0,450	1

Zinc spray 550 HUPzincKorro

How to use HUPzinkKorro:
Shake the container well until the mixing ball is clearly audible and the contents are well mixed. Clean the surface to be treated with the wire brush, or even better sand blast it. The surface must be grease-free and clean. The best processing temperature is from 16-32 °C. For optimum results apply the spray from a distance of 25-30 cm with short motions. For commercial use only. Carry out preliminary tests for effectiveness and material compatibility.

Properties:
The employed zinc and zinc compounds contain more than 99% pure zinc, cross-cut adhesion tested in accordance with DIN EN ISO 2409, heat-resistant up to 500 °C, mandrel bend tested in accordance with DIN EN ISO 1519, salt spray tested in accordance with DIN 50021, subsequent protection after welding work for repairing damaged surfaces, protective coating for pipelines and metals, forms a permanent protective coating with water-insoluble zinc oxide on iron (steel) and thus also protects faulty points.

170153

Art. no.	ml		kg	PU
170153	400	Coating+Lubrication	0,450	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Stainless-Steel-Spray HUPinox

Application HUPinox:
For maintenance and repair, maintaining the value of stainless steel, for processing of pipes, machinery, truck bodies, silos, turbines, etc., as a container and tank system protection and much more.

Properties:
HUPinox stainless steel coating, alloy, consisting of chrome >15%, nickel >7%, manganese >1%, heat resistant to 300°C, protects against corrosion, durable and weather-resistant protective layer, good and secure adhesion to metal, wood, glass, stone and much more.

Art. no.	ml		kg	PU
170156	400	Coating+Lubrication	0,450	1

Silicone-Spray HUPsil

Application HUPsil:
In order to eliminate creaking, squeaking and running noise of machines, vehicles, chains. As a lubricant, and as anti-aging. To clean, care and protection of metals, rubber and plastic, for retracting of rubber and plastic profiles, etc.

Properties:
HUPsil is a universal silicone spray and lubricant. It is waterproof, weather and temperature-resistant from -30°C to +200°C. It acts antistatic and dust repellent, lubricates and waterproofs all surfaces without being greasy, anti-corrosive and moisture-resistant.

Art. no.	ml		kg	PU
170162	400	Coating+Lubrication	0,450	1

Universal-Lubricant HUP40

Application HUP40:
Loosens persistent fittings, nuts, bolts, etc. due to rust and oxidation, removes moisture and condensation on cables and electrical connections and contacts, is based on an ultra-thin film which protects all metal surfaces and prevents further corrosion, keeps moisture from cables and contacts and prevents further accumulation of moisture, Lubricates cares and protects tools, machines, precision instruments, locks, sliding and guiding rails, wheels, bolts, hinges, fittings, etc.
Silicone free! It even melts ice on locks, bolts, hinges, fittings, etc.

Properties:
HUP40 high quality universal spray with 1001 solutions!

Art. no.	ml		kg	PU
170166	400	Coating+Lubrication	0,450	1
170168	50	Coating+Lubrication	0,075	1

PTFE-Spray HUPptfe

Application HUPptfe:
Anywhere where oil- and grease coatings are unwanted. The special lubricant for all maintenance-free gliding lubrications, protects all metals, leather and wood parts - anti-aging for rubber parts, seals and plastics.
To eliminate creaking, squeaking and running noise of machinery, chains, windows, doors, trays, etc. In the electro-, plastics-, wood-, paper- and textileindustrie. Water-resistant coating of paper, cork and textiles.

Properties:
HUPptfe Oil-free Dry Lubrication Spray. High temperature resistant surface protection from -60 °C to +250°C with long-term effect and low coefficient of friction, quick drying, highly adhesive, grease-free and colorless, tasteless after **application**, the protection film seems anti-corrosive and moisture repellent.

Art. no.	ml		kg	PU
170158	400	Coating+Lubrication	0,450	1

Allround PTFE-Spray HUPptfeSynt

Application HUPptfeSynt:
Especially for long-lasting lubrication under very strong pressure and frictional conditions. It protects all moving parts and prevents snagging, creaks and squeaks.

Properties:
HUPptfeSynt for lubrication of precision, such as pressure-loaded parts in an enormously wide range of temperatures.

Art. no.	ml		kg	PU
170160	400	Coating+Lubrication	0,450	1

Polymer-Spray HUPpolymer

Application HUPpolymer:
Substitute for silicone spray as a retraction, sliding and lubricating aid, as well as long-term care for rubber, EPDM, PP, PVC etc. Significantly improved gliding characteristics on coated surfaces - the coefficients of friction are reduced up to 40%. Treated surfaces have a color-intensifying appearance. Coated surfaces are water-resistant, insensitive to contamination, further processing (gluing, painting, printing, etc.) of adjacent materials without having trouble.

Properties:
HUPpolymer contamination of tools and manufactured parts, which can occur when using silicone oils, are avoided. No stress cracking when in contact treated profiles with plexiglas or polycarbonate.

Art. no.	ml		kg	PU
170170	400	Coating+Lubrication	0,450	1

haupa®
...convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

HUPchemie - Coating+Lubrication

Cutting-Oil HUPdrill

Application HUPdrill:
Targeted and clean to use when cutting, very economical and efficient in consumption. For machines, for which the complete separation of the coolant from the hydraulic oil used or lubricating oil is not present. Suitable for the treatment of iron and non-ferrous metals.

Properties:
HUPdrill special cutting oil, transparent. Alloyed oil contains highly effective EP-Additives and polar substances, elastic film of lubricant with corrosion protection, high loads through sustainable boundary layer formation, high load carrying capacity.
Provides low-wear operation with corrosion protection.

Art. no.	ml		kg	PU
170172	400	Coating+Lubrication	0,450	1

Anti-Rust-Spray HUPrustEX

Application HUPrustEX:
Penetrates the rust, removes oils, resins, tar and oil coal, solves persistent connections easily, eliminates rattles and squeaks protects the long term, penetrates even constrictions and facilitates the disassembly of parts. Triggers stuck screw, brings all corroded connections, such as screw, nuts, bolts, joints moving again.

Properties:
HUPrustEx penetrates and dissolves extremely effective rust, preserves and protects against new rust attack by a MoS2 protective film.

Art. no.	ml		kg	PU
170164	400	Coating+Lubrication	0,450	1

Contact spray HUPwetBlock

Application HUPwetBlock:
Due to its highly effective ingredients all types of electrical contacts and connections are protected against moisture and corrosion. Water and moisture is reliably suppressed. The product properties remain even after several months of use indoors and also outdoor and prevent permanent leakage currents and short circuits in: lighting systems, connections and sockets, electrical machinery and equipment, pumps, intercom systems, switches and fittings, connectors and contacts sockets, fuse boxes, cable connections, cable reels, battery terminals, engine electrical, electric, bell systems and much more.

Art. no.	ml		kg	PU
170180	400	Coating+Lubrication	0,450	1

HUPchemie - Cleaning

Fast degreaser HUPdegreaser

Application HUPdegreaser:
For cleaning and degreasing of dust, dirt, oil, mechanical parts. For removing wax-stains, fats and resins from high potential switches, air conditioning, antenna insulaters, motors, ventilators, switchboards, cables, stubborn dirt on glass and car paint, etc.

Properties:
HUPdegreaser is a quick and intensive degreaser and cleaner for mechanical and electrical equipment. Residue-free and fast evaporating.

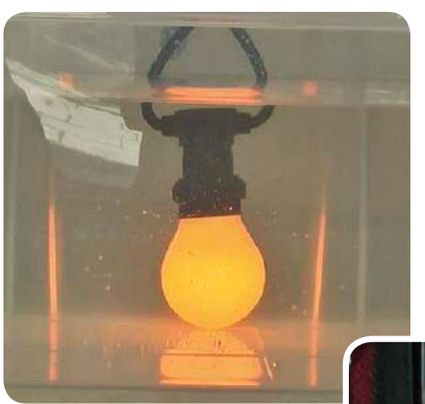
Art. no.	ml		kg	PU
170102	500	Cleaning	0,600	1

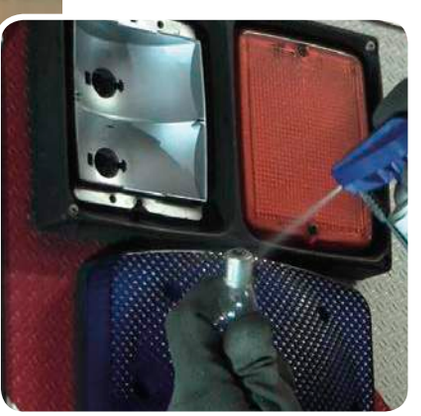
Electric-Engine-Cleaner HUPelectroClean

Application HUPelectroClean:
It is used to remove dust, dirt, oil, grease, lubricants and coal dust to electromechanical contacts, relays, wires, distributors, coils, etc. Can also be used for pre-cleaning for subsequent painting.

Properties:
HUPelectroClean consisting of a mixture of hydrocarbons and cleaning boosters. Cleans spot and streak free and evaporates without residue after cleaning.

Art. no.	ml		kg	PU
170114	400	Cleaning	0,450	1





PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Multi Cleaner HUPcleanMulti

Application HUPcleanMulti:
Cleaning of windows, mirrors, glass, monitors, plastic-surfaces, tiles, etc. in industry and crafts.

Properties:
HUPcleanMulti is a Multi-Foam with orange aroma. Intensive cleaner, for a sparkling shine on all surfaces. Powerful, yet mild. Very economical due to high concentrate, skin-sensitive. Spotless, non-porous, streak-free. Cleans with active-foaming effect.

Art. no.	ml		kg	PU
170104	500	Cleaning	0,550	1

Metal Degreaser HUPmetalClean

Application HUPmetalClean:
Removes coarse contamination mechanically. Spray from a short distance and allow the cleaning agent to run off. The parts to be cleaned are clean and dry in just a few seconds. Parts do not need to be removed if the dissolved contaminations are able to run off with the fluid.
Note: Does not attack enamelled paints/Not suitable for plastic and seals! Only for commercial use. Carry out tests for effect and material compatibility.

Properties:
For powerful quick cleaning, residue-free and rapid evaporation, removes grease, oil, wax residue, Edding, felt-tip and ball-point pen, resin and stubborn contaminations from all metal surfaces.
For residue-free degreasing of all metal objects, but may also be used as cleaner for subsequent painting of gluing.

Art. no.	ml		kg	PU
170103	500	Cleaning	0,600	1

Foam Cleaner HUPclean

Application HUPclean:
For cleaning windows, monitors, plastic surfaces, buildings, vehicles and machines.

Properties:
HUPclean is a multifunctional cleaner and achieves best levels of cleanliness on cases of fouling by oil, grease, wax and similar substances.

Art. no.	ml		kg	PU
170100	500	Cleaning	0,550	1
170101	1000	Cleaning	1,050	1

haupa®
... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Graffiti-Remover HUPgraffitiEx

Application HUPgraffitiEx:
Removes varnish, paint, graffiti and adhesive residues. Cleans easily spotted surfaces made of concrete, stone, brick and wood surfaces, as well as glass, ceramic, porcelain and metal surfaces.

Properties:
Agents and propellants are free of toxic, corrosive and ozone-depleting substances. Usage in all areas of industry and commerce use, as well as installing companies, in printing, paint shops, metal and plastic industry, cleaning companies.

Art. no.	ml		kg	PU
170110	400	Cleaning	0,450	1

Label-Remover HUPlableEx

Application HUPlableEx:
Residue-free removal of adhesive residues, labels, lubricants, bitumen, fresh PU foam residues and stubborn stains. For cleaning of metal surfaces (even before painting) suitable in many areas of industry, trade and craft.

Properties:
HUPlableEx is powerful, yet gentle on the material, evaporates quickly and leaves no residue.

Art. no.	ml		kg	PU
170112	400	Cleaning	0,450	1

Compressed Air HUPair

Application HUPair:
HUPair compressed air for cooling and debugging overheated parts. To remove dust, dirt and other deposits on computers, Keyboards, engineering components, office equipment, photocopiers, printers etc.

Art. no.	ml		kg	PU
170106	400	Cleaning	0,450	1

Compressed Air non-flamable HUPairXtra

Application HUPairXtra:
Is used anywhere where dust and loose dirt is only removed with difficulty. In the entire range of maintenance and repair of electronic equipment, components, computers, precision mechanical watches, etc. For dust and dirt removal on keyboards, computer cases, cabinets, measuring and control technology instruments, optical instruments, hi-fi and video equipment, as well as modules, printed circuit boards, magnetic heads, drives, etc.

Properties:
HUPairXtra non-flammable - especially good for suitable cleaning of electrical contacts. For a clean and dry cleaning in hard to reach places and on delicate surfaces.

Art. no.	ml		kg	PU
170108	400	Cleaning	0,450	1

HUPskinProtect

Application HUPskinProtect:
Protects hands and other parts of the body by a protective film prior to contact with the oil, grease, tar, paint, dust, and other dirt and pollutant species. It can prevent allergic reactions with many substances, because a protective film between the skin and the medium is established. For daily use in the industrial and craft.

Properties:
HUPskinProtect facilitates skin cleaning. The skin remains breathable and does not dry out. Dermatologically tested.

Art. no.	ml		kg	PU
170116	250	Cleaning	0,300	1

Dosage cap „Target Control System“

The „Target Control System“ is a stable, flexible dosage cap that can be removed at any time.
It is compatible with many of the HAUPA aerosol products („parent valve“/star). This means even more accurate, precise spraying and dosage. Targeted, accurate and properly dosed.
Not for sprays art: 170106, 170150, 170152, 170400

Art. no.		kg	PU
170406	Cleaning	0,020	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Cleaning Wipes HUPwipe

Application HUPwipe:
HUPwipe is the ideal aid for removing stubborn. Contaminants such as: rust, grease, adhesive residue, oil, soot, resins, Edding lines, fresh paint residues, lubricants, nicotine and more. Can be used to remove the heaviest soiling in commercial, industrial and craft.

Art. no.	ml		kg	PU
170118	80	Cleaning	1,000	1

Hand cleaning cream HUPsoap, 500 ml

Application HUPsoap:
Rub some grams on dry hands, add some water and wash thoroughly. Reduce the consumption with the corresponding dosing dispenser.

Properties:
HUPsoap Special cleaning cream for the removal of stubborn dirt e.g. fresh paint and adhesive residues, oils, grease, tar, bitumen, resins etc.

Art. no.	ml		kg	PU
170126	500	Cleaning	0,600	1
170127	3000	Cleaning	3,300	1
170128	10000	Cleaning	10,500	1

Dispenser for hand cleaning cream HUPsoap, 3l

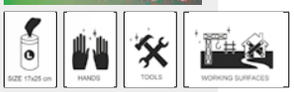
- compatible for art. 170127
- Stainless steel tube

Art. no.	ml		kg	PU
170129	3000	Cleaning	0,500	1

Industrial cleaning wipes

HAUPA Industrial cleaning wipes are **perfect for washing hands as well as cleaning tools and work surfaces**. They remove stubborn dirt fast and efficiently such as grease, paint, oil, tar, ink, silicone, glue and much, much more making them the **ideal companions for workshops, offices, home or for those on the go**. These practical wipes have been impregnated with a solvent-free, industrial hand cleaner, which has been dermatologically tested and is also suitable for sensitive skin. The individually perforated wipes ensure easy extraction. The practical and solid storage container with lock-lid prevents the wipes from drying out.
Contents: 40 wipes, each 17 x 25 cm.

The must have for every cleaning job!



Effortlessly removes:
- Grease
- Paint
- Oil
- Tar
- Ink
- Silicone
- Glue
- and more…

Art. no.	width		kg	PU
150600	250		0,190	1

haupa®
... convincing solutions

Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Freeze-Spray HUPcool

Application HUPcool:
HUPcool to remove dust, dirt and other deposits on computers, Keyboards, engineering components, office equipment, photocopiers, printers, etc.
For cooling and debugging overheated parts.

Art. no.	ml		kg	PU
170400	400	Testing	0,455	1

Freeze-Spray HUPcoolXtra

Application HUPcoolXtra
For the detection of defects in electrical systems and electronics. With the freeze-spray thermal errors on electric, electronics, computer cases, cabinets, measuring and control technology instruments, optical equipment, hi-fi and video equipment, as well as modules, printed circuit boards, magnetic heads, thermal switches etc. are fast tracked.

Properties:
HUPcoolXtra is a freeze spray with that you achieve cooling to -50°C. Cooling of resistors and transistors to prevent heat damage during soldering.

Art. no.	ml		kg	PU
170402	400	Testing	0,455	1

Smoke-Detector-Test-Spray HUPdetect

Application HUPdetect:
Test your smoke detectors once a month with this test spray, to exclude technical defect, as well as the contamination of the detector.

Properties:
- directly simulated fire smoke
- enough for about 150-200 test operations
- Fast and reliable

Art. no.	ml		kg	PU
170404	250	Testing	0,180	1

Our HUPchemie safety certificates can be found in the download section of www.haupa.com.

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Soldering accessoires

haupa®
... convincing solutions

Soldering irons

chrome nickel steel tube, with schuko safety plug, replaceable nickel-plated copper tips

Art. no.	TL	Volt	Watt	kg	PU
160142	265	220	60	0,322	1
160144	315	220	80	0,319	1
160146	320	220	100	0,324	1

Soldering irons

with plastic handle, with schuko safety plug, replaceable copper tips, nickel-plated

Art. no.	TL	Volt	Watt	kg	PU
160150	250	220	30	0,264	1

Soldering irons

soldering tip internally heated, chrome vanadium steel tube, with plastic handle, with schuko safety plug, replaceable nickel-plated copper tips, for electronic work

Art. no.	TL	Volt	Watt	kg	PU
160190	200	220	15	0,257	1

Torch brazing set SolderingKit

12-pieces, for pocket lighter butane gas, with Piezo ignition, heating time: +/- 25 seconds (peak), performance can be infinitely regulated, temperatures with naked flame up to 1200 °C, brazing up to 550 °C, heat shrinking up to 680 °C, burn time approximately 60 minutes, in black plastic case.

Video 262098

Art. no.	set	kg	PU
262098	12-pieces	0,387	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Solder in triangular sticks DIN 1707

length approx. 430 mm, approx. 250 g per stick, size: 11 x 11 x 11 x 430 mm

Art. no.	Sn%	Roll/g	kg	PU
160112	30	250	0,275	1
160114	40	250	0,247	1

Soldering stone

Art. no.	kg	PU
160130	0,070	1

Soldering paste acc. to DIN 8511-F-SW 26

rosin halide-activated, field of application: electro-technic, electronics, manufacture of electrical appliances

Art. no.	kg	PU
160090	0,073	1

Soldering fluid acc. to DIN 8511-F-SW 32

rosin halide-activated, field of application: electro-technic, electronics, manufacture of electrical appliances

Art. no.	kg	PU
160092	0,054	1

Grease for soft-soldering acc. to DIN 8511-F-SW 21

ammonium chloride, organic preparation field of application: general soldering work

Art. no.	kg	PU
160094	0,072	1
160096	0,132	1

Soldering grease for fittings acc. to DIN 8511-F-W 22

field of application: sanitary technics, copper tubes etc.

Art. no.	kg	PU
160100	0,080	1

Soldering fluid acc. to DIN 8511-F-W 21

ammonium chloride, organic preparation
field of application: sanitary technics, copper tubes etc.

Art. no.	kg	PU
160102	0,065	1

Solder for electronic work

Solder for electronic work acc. to DIN EN 29453

antimony-free, soldering flux acc. To DIN EN 29454, 1.1.2.B (F-SW 26),
S-Sn60Pb40, rosin halide-activated

Art. no.	Ø	Sn%	Roll/g		kg	PU
160020	1	60	100		0,104	1
160022	1	60	250		0,253	1
160024	1	60	500		0,529	1
160026	1	60	1000		1,008	1
160028	1,5	60		1m	0,016	1
160030	1,5	60	100		0,106	1
160042	1,5	60	250		0,247	1
160044	1,5	60	500		0,528	1
160046	1,5	60	1000		1,022	1
160050	2	60	100		0,108	1
160052	1	60	250		0,250	1
160054	1	60	500		0,529	1

Solder for electronic work acc. to DIN EN 29453

antimony-free, soldering flux acc. to DIN EN 29454, 1.1.2.B (F-SW 26),
S-Sn60Pb40, rosin halide-activated

Art. no.	Ø	Sn%	Roll/g		kg	PU
160000	1	60	100	1m	0,009	1
160002	1	60	100		0,106	1
160004	1	60	250		0,259	1
160006	1	60	500		0,528	1
160008	1	60	1000		1,015	1
160012	1,5	60	100		0,102	1
160014	1,5	60	250		0,255	1
160016	1,5	60	500		0,523	1
160018	1,5	60	1000		1,024	1

Solder for electronic work acc. to DIN EN 29453

antimony-free, soldering flux acc. To DIN EN 29454, 1.1.2.B (F-SW 26),
S-Pb60Sn40, rosin halide-activated

Art. no.	Ø	Sn%	Roll/g		kg	PU
160060	2	40	100		0,106	1
160062	2	40	250		0,257	1

Fittings‘ solder acc. to DIN EN 29453

low antimony content, soldering flux acc. to DIN EN 29454, 2.1.3.B (F-SW 24),
S-Pb60Sn40, ammonium chloride based, organically prepared

Art. no.	Ø	Sn%	Roll/g		kg	PU
160070	1,5	40		1m	0,018	1
160072	2	40	100		0,103	1
160074	2	40	250		0,258	1

Solder lead-free (RoHS-directive)

Solder wire according to DIN EN 29453

lead-free special alloy, 2.5% flux percentage according
to DIN EN 29454, 1.1.2.B (EN-61190-ROLO), 1.00 mm of Ø, 0,100 kg spools
S-Sn99Cu1, DIN EN 29453 (Sn99, 3Cu0,7 - eutectic)

Art. no.	Ø	Sn%	Roll/g	kg	PU
160420	1	99	100	0,114	1
160422	1	99	250	0,262	1
160424	1	99	500	0,536	1
160426	1	99	1000	1,000	1
160430	1,5	99	100	0,112	1
160442	1,5	99	250	0,266	1
160444	1,5	99	500	0,500	1
160446	1,5	99	1000	1,000	1
160450	2	99	100	0,109	1
160452	2	99	250	0,257	1
160454	2	99	500	0,527	1

Solder wire according to Din EN 29453

lead-free special alloy, 3.5% flux percentage according to
DIN EN 29454, 1.1.3.B (EN-61190-ROLO), 1.00 mm of Ø, 0, 100 kg spools
S-Sn99Cu1, DIN EN 29453 (Sn99, 3Cu0,7 - eutectic)

Art. no.	Ø	Sn%	Roll/g	kg	PU
160402	1	99	100	0,114	1
160404	1	99	250	0,250	1
160406	1	99	500	0,500	1
160408	1	99	1000	1,000	1
160414	1,5	99	250	0,258	1
160416	1,5	99	500	0,535	1
160418	1,5	99	1000	1,000	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 430.

Best-seller Premium product

Index

haupa®
... convincing solutions

Content

A	page
ABS plastic box „SysCon M“	388
ABS plastic box „SysCon S“	231
ABS plastic box „SysCon XL“	249
ABS plastic box „SysCon XL“ variable	390
Accessories for 21 70 50	51
Adapter	59, 82
Adapter „QuickLock“	327
Adapter assortment for holder, „RE-LOAD“	327
Adapter assortment for hole enlarger „RE-LOAD“	327
Adapter pressing thorn	70
Adjustable single-head wrench	273
Adjustable single-head wrench with ratch function	273
Adjustable tap wrenches	330
Adjustable tap wrenches DIN 1814	331
Adjustable wrenches to DIN 3117 A 1000 V	221
Aerated concrete dowel with setting tool	339
Al and Cu cable lugs, longitudinally sealed	163
Al compression cable lugs	162, 163
Al compression cable lugs acc. to DIN 46329	162
AL screw connectors medium voltage	166
AL screw terminals medium voltage 10-30 KV	166
Al-Cu reducing connectors	164
Al/Cu non-tension compession joints with Cu bolt	163
Alignment tool, 3/8" for sector conductor 1000 V	234
Allen keys DIN 911	265
Allen keys set	264
Allen keys set Tx	264
Allround PTFE-Spray HUPptfeSynt	403
Allround soft-grip scissors	5
Aluminium spirit levels	298
Aluminium-Spray HUPalu	402
Angled cable lugs 90° acc. to DIN 46325	159
Angled tubular cable lugs 90°, standard series	151
Anti-Friction-Coating HUPcable	401
Anti-Rust-Spray HUPrustEX	404
Assortment boxes with metal catchand pick boxes	336
Assortment boxes with metal catchwithout pick boxes	384
Assortment for Combi-Crimp	113
Assortment of insulated terminals	133
Assortments of wire-end sleeves	112
Attractive laser marking for your individual tool case	384
Auger bit, type Lewis	319
Automatic wire stripper	27, 29
Automatic wire stripper HAUPA-Special	27
Automatic wire stripper Super Plus	27

B	page
“Backpack“	343
BackpackPro “Basic 1000 V”	348
BackpackPro “Basic plus 1000 V”	349
BackpackPro “Operator 1000 V”	349
BackpackPro “Start 1000 V”	348
Ball point allen keys	265
Baseplate for fixing	392
Basic module „CableGo“ + 3 wire brackets	99
Basic unit	83
Battery	76
Battery Li-Ion 18 V	73
Battery powered cable cutter „AS-52ACSR“	18
Battery powered cable cutter „AS-52“	18
Battery powered cable cutter „AS12-52“ (ACSR)	19
Battery powered cable cutter „AS6-40“	19
Battery powered cable cutter „AS6-85“	19
Battery powered cable cutter „AS6-S32“	18
Battery powered cable cutter „SAS6-85“	19
Battery powered cable cutter universal „AS6-S20“	18
Battery powered crimping tool „AC25-12“	66
Battery powered crimping tool „AC42-12“	67
Battery powered crimping tool „AH-12“	68
Battery powered crimping tool „AO-6“	63
Battery powered crimping tool „S0-6M“	63
Battery powered crimping tool „S0-6“	63
Battery powered crimping tool „SD300-6M“	71
Battery powered crimping tool „SD300-6“	71
Battery powered crimping tool „SD400-6M“	72
Battery powered crimping tool „SD400-6“	72
Battery powered crimping tool „SDE240-6M“	70
Battery powered crimping tool „SDE240-6“	70
Battery powered crimping tool „SH-6M“	62
Battery powered crimping tool „SH-6“	62
Battery powered crimping tool „SHs-6M“	61
Battery powered crimping tool „SHs-6“	61
Bending tool	84
Bi-metal hole saw set	328
Bi-Metal Hole Saws 10 tpi 8% Cobalt	326
Bi-Metal Hole Saws 4 - 6 tpi 8% Cobalt	326
Bicolour insulating finger gloves acc. to DIN EN 60903	244
BitBox, 17-pieces	268

B	page
BitBox+, 32-pieces	269
BitBox L, 46-pieces	268
BitBox S, 50 mm, 7-pieces	268
Bits for PZ slot profile	267
Bolt cutter	8
Box S / M / L / XL	392
Brass padlocks	359
Broom, for smooth ground	302
Broomstick	302
Bucket	303
Builders waste sack	303
Bulk storage chest for twist drills	318
Butt connectors	118, 121, 124, 127, 131, 132
Butt connectors „ECO-Line“	129
Butt connectors „SmallPack“	121, 132
Butt connectors, Light „M“ series	148
Butt connectors, standard series	151
Butt-connector for fine stranded high flexible conductors	154
Butt-connectors, made from pure nickel	161

C	page
Cabinet levels	298
Cable cutter	6
Cable cutter 1000 V	216, 217
Cable cutter Super light 1000 V	217
Cable cutter with a snap	7
Cable cutter with a snap 1000 V	216
Cable cutters	10, 6, 7, 8, 9
Cable cutters 1000 V with spring joint	214
Cable cutters VDE	212
Cable cutters VDE with spring joint	212
Cable cutters with spring joint	6
Cable cutters „Super light”	8
Cable glands brass nickel-plated, IP68, fully mounted	188
Cable glands IP 68, metric or PG, assembled with washer and lock nut, fully mounted	186
Cable grips	88
Cable grips for electrical installations	94
Cable grips for subterraneous cable laying	94
Cable knife VDE	219
Cable knife VDE with sliding block	219
Cable lugs acc. to DIN 46235	155, 157
Cable lugs with 2 oval holes acc. to DIN 46235	159
Cable lugs „SmallPack“ acc. to DIN 46235	158
Cable pulling device FIX	91
Cable pulling device FOX	89
Cable pulling device HAUPA PullTec	87
Cable pulling device HAUPA-FIBRE	88
Cable pulling device Economy	88
Cable pulling device KING	92
Cable pulling device POWER	92
Cable pulling device SIX	90
Cable pulling device STRONG	92
Cable pulling device „CableGo master“	98
Cable pulling device „CableGo profi“	98
Cable pulling device „CableGo starter“	98
Cable sheath cutter	32
Cable sheath cutter 1000 V	218
Cable Sheath Stripper	32
Cable stripping system 4 – 70, “Pro set”	22
Cable stripper ASI, automatic	28
Cable stripper Outlet 20/55	28
Cable stripper „Kabifix LWL”	22
Cable stripper „Kabifix“	22
Cable stripper, manual	26
Cable stripper, manual optical fibre	26
Cable stripper “XL”	23
Cable stripper “Top Coax Plus”	24
Cable strippers for short-circuit proof lines	22
Cable stripping knife VDE	219
Cable stripping knives	23, 312
Cable stripping or lead tube knives	312
Cable ties	172, 173
Cable ties with fixing eye	175
Cable ties with marking space	175
Cable ties “UVplus”	173
Cable unwinder	96
Carpenters‘ pencils	299
Carrying belts	359
Cartridge gun	399
Cartridge gun „Profi“	399
Cartridge tip	399
Casing drill	319
Centre drill for holder, „RE-LOAD“	327
Centre drills for 231998 / 231999	327
Centre punch to DIN 7250	308
Chalk	300
Chalk line roller Squid, 15 m	300

C	page
Checking mirror	263
Chipboard screw countersunk „TwinSpeed“	334
Chipboard screw pan head „TwinSpeed“	334
Circuit tester “Control”	240
Claw hammer	308, 309
Claw retriever	263
Cleaning brushes Safety Line	234
Cleaning Wipes HUPwipe	407
Climping irons acc. to DIN 48 345	250
Cold-resistant insulation tape „HUPtape-22plus“	199
Combi, threading bit set, made of HSSG SGE-Bit (DBGM)	331
Combi-Crimping pliers	40
Combination pliers DIN ISO 5746	286
Combination pliers DIN ISO 5746 1000 V	215
Combination pliers DIN ISO 5746 VDE	211, 213
Combination scissors	5
Combination spanners set similar to DIN 3113	272
Combination spanners similar to DIN 3113	272
Combination step drills/HSS	321
Combined dowel and contact spanners	234
Compact floodlight „HUPlight10“	295
Compact floodlight „HUPlight10“ with 2 battery packs	295
Compact floodlight „HUPlight20“	295
Compact floodlight „HUPlight20“ with 2 battery packs	295
Compact floodlight „HUPlight50“ with Bluetooth	296
Compact floodlight „HUPlight10pro“	294
Compact floodlight „HUPlight20pro“	294
Complete assembly case	32
Complete stocks, metric thread	330
Compressed Air HUPair	406
Compressed Air non-flamable HUPairXtra	406
Compression joints acc. to DIN 46267 Part 1 (for non-tension connections)	156, 160
Compression joints acc. to DIN 48085, Part 1 (for full-tension cable connections)	156
Cone drills/Aerial drills/HSS	322
Connecting clamps PC	102
Connecting clamps, Nylon	102
Connecting rod	82
Connection set basic module „CableGo“	99
Connection shackle for probes Ø 6 mm	90
Connection sleeve for probes Ø 3 mm	88
Connection sleeve for probes Ø 4.5 mm	89
Connection sleeve for probes Ø 9 + 11 mm	91, 93
Connection sleeve with rotator	91
Construction Adhesive HUPmount	398
Construction foil „Profi“	304
Construction Glue HUPfix+	398
Contact files	310
Contact spray HUPwetBlock	404
Converting bit for bleeding	282
Cord und cable grips	94
Cotton gloves for putting underneath	245
Counter hold spanners 1000 V	220
Counterholder 1000 V for Screw cable shoes	234
Countersunk nail dowel	339
Covering blankets transparent	251
Cranking tool for stepped bending of power rails	84
Crimp insert for „Hirschmann“ contacts	35
Crimp insert for „Tyco“ contacts	35
Crimp inserts for „Huber & Suhner“ contacts	35
Crimp inserts for „multi-contact“ contacts	35
Crimp ring terminals without insulation DIN 46234	143
Crimping dies DIN	61, 69
Crimping dies DIN Cu + Al	62
Crimping dies DIN-connection, Cu/Al	74
Crimping dies for cable class 5+6, F-Type	69
Crimping dies for cable lugs / end sleeves	50
Crimping dies for coaxial cable	50
Crimping dies for end sleeves	50, 65
Crimping dies for flat connectors	50
Crimping dies for insulated crimp cable lugs	50
Crimping dies for Photovoltaik	50
Crimping dies for TWIN end sleeves	50
Crimping dies for uninsulated terminals	50
Crimping dies standard	61
Crimping dies, DIN	75
Crimping dies, standard	75
Crimping dies, standard, Cu	74
Crimping headstock “U-KDE240-6”	59
Crimping headstock “U-KO-6”	59
Crimping headstock „HKD400“	72
Crimping headstock „KD300-6“	71
Crimping headstock „KH-12“	68
Crimping headstock „KO-6“	64
Crimping pliers	36, 37, 40, 41, 42, 43, 44
Crimping pliers Combi-Crimp	50
Crimping pliers for coax-connections	41
Crimping pliers for modular plugs	45
Crimping pliers for twin end sleeves	36

Content

C page

Crimping pliers HUPstar 48
Crimping pliers HUPstar Coax 41
Crimping pliers HUPstar Photovoltaic 35
Crimping pliers X-Crimp 50
Crimping pliers „Multi“ 51
Crimpset MULTI 51
Crimpset X-Crimp 50
Crimpset „MULTI Photovoltaik“ 35
Cross connectors, standard series 152
Cross slotted screwdrivers Phillips 205, 256, 257
Cross slotted screwdrivers Pozidriv 205, 256, 257
Cross type socket wrenches 1000 V 220
Cupal washer 164
Cutting headstock “U-KS6-S50” 59
Cutting tool 84
Cutting tool for lamellar rails 84
Cutting-Oil HUPdrill 404

D page

Decoiler 1200 96
Decoiler 1200 + 96
Decoiler 600 96
Deep hole marker 299
Diamond cutting blades 324
Diamond cutting blades, FL tiles 324
Diamond cutting blades, TBM Turbo 324
Diamond cutting disk 324
Diamond cutting disk „Spezial“ 324
Diamond hollow core cutter special 323
Diamond hollow core cutters 323
Dies 45, 46, 52, 53, 54, 69, 70
Dies for compacted connectors 69
Dies for rounding of round conductors 65
Dies for sealing pliers 253
Dies for Solar contacts Amphenol 35
Dies for terminals and compacted connectors 65
Dies for terminals and connectors DIN 64
Dies for terminals and connectors standard 64
Dies for tubular terminals „F-Type“ 65
Dies, metric thread 330
Dispenser box with insulated end sleeves (DIN) 111
Dispenser box with insulated end sleeves (french) 111
Dispenser box with insulated end sleeves (german) 111
Dispenser box with uninsulated end sleeves 111
Dispenser for hand cleaning cream HUPsoap, 3l 407
Dispenser for plastic bottle 401
Disposable protective gloves NITRILE 246
Dosage cap „Target Control System“ 406
Double edged cable cutter 1000 V 216
Double ended ring spanners acc. to DIN 838 272
Double ended ring spanners set acc. to DIN 838 272
Double ended spanners acc. to DIN 3110 272
Double ended spanners set acc. to DIN 3110 272
Double-locking-cable ties 175
Double-Sided Acryl Tape HUPtapeDouble 400
Dowel Mounting sockets/Christmas trees 177
Drill for Diamond hollow core cutters 323
Drill type machine bits for wood 319
Dry wall screws 334
Dummy plugs 187
Dust masks 248
Dust protection door, multi-fleece 303

E page

Ear defenders acc. to EN 352 248
Ear muffs for helmet 248
Ear protection plugs 248
Edge cutter 32
Elastic cable distributors 139
Elastic connectors with socket sleeves (male) 139
Electric-Engine-Cleaner HUPelectroClean 404
Electrical insulating tape “HUPtape-15“ 198
Electrician‘s safety levels 234
Electricians‘ boots acc. to EN 50321 Class 0 248
Electricians‘ protection helmets acc. to DIN EN 397 1000 V 247
Electricians‘ protection visor acc. to EN 166 247
Electricians‘ safety face mask class II 247
Electricians‘ screwdrivers Slot 257
Electricians’ chisels 308
Electro-hydraulic pump „PN700 I“ 76
Electro-hydraulic pump „Special“ 84
Electronic screwdriver set standard 263
Electronic screwing bit set 263
EMC-Cable glands brass nickel-plated, IP68, fully mounted 189
Empty dispenser box 111
End connectors 126

E page

End sleeve assortment 112, 113
End sleeves 104, 105, 110
End sleeves colour range III, DIN „SmallPack“ 110
End sleeves DIN colour range 106
End sleeves for short-circuit-proof cables 109
End sleeves in tape form, to DIN 46228 P. 4 107
End sleeves, colour range I, (french) 108
End sleeves, colour range II, (german) 108
Engineers‘ screwdrivers Slot 257
Engineers‘ screwdrivers Slot 256
Engineers‘ hammer 309
Engineers‘ hammer DIN 1041 309
Engineers’ squares 299
Engraving for sealing pliers 253
ESD Electronic combination pliers 290
ESD Electronic flat nose pliers 290
ESD Electronic front cutter 290
ESD Electronic needle nose pliers 289
ESD Electronic needle nose pliers, 45° angle 289
ESD Electronic pliers set 290
ESD Electronic round nose pliers 290
ESD electronic screwdriver 262
ESD electronic screwdriver set 262
ESD Electronic side cutter 290
ESD Electronic side cutter without cutting-facet 290
ESD Electronic thin needle nose pliers 289
ESD Electronic thin needle nose pliers, 45° angle 289
Exchangeable „VarioTQ“ 1000 V handle 210
Exchangeable „VarioTQ“ handle 261
Exchangeable „Vario“ 1000 V handle 206
Expansion dowel sleeve 339
Extension 1/2" 277
Extension 1/4" 274
Extension 3/8" 276
Extension with bit adapter 1000 V 224, 228, 232
Extensions 1000 V 224, 228, 232
Extensions VDE 222, 226, 230

F page

Fallstop acc. to EN 354 250
Fast degreaser HUPdegreaser 404
Fibre glass push rod set 87
Figure tin snips 314
File assortments 310
Fine droplet tip 400
Firmer chisels DIN 5139 308
Fittings for hexagon socket screws VDE 222, 226, 230
Fittings‘ solder acc. to DIN EN 29453 412
Flame retardant cable ties 174
Flat bits 319
Flat cable pliers 27
Flat chisels to DIN 6453 A, flat oval shank 308
Flat nose pliers 1000 V 212
Flat terminals 119, 122, 125, 128, 131, 137, 139
Flat terminals „ECO-Line“ 130
Flat terminals „SmallPack“ 122, 140
Flatcable stripper 23
“Flex” hinged ratchet combination wrench set 273
Flexible extension bar 1/4" 274
Foam Cleaner HUPclean 405
Foam inlay for smart battery hydraulics “S0-6“ 395
Foam inlay for socket set “SocketMax“ ¼" + ½" 395
Foam inlay for socket set “Torque“ ½" 394
Foam inlay for socket set “VDE-Socket“ ½" 395
Foam insert SysCon 391
Foam socket wrench set „Torque“ ¼" 394
Folding rules 298
Fork terminals DIN 46237 117, 121, 123, 127
Fork terminals DIN 46237 „SmallPack“ 121
Fork terminals without insulation 145
Fork terminals „ECO-Line“ 129
Freeze-Spray HUPcool 408
Freeze-Spray HUPcoolXtra 408
Front bulb with shackle M12 91
Front bulb with shackle M5 89
Front bulb with shackle M6 90
Front cable cutter 13
Front cutters 1000 V 213
Front-Crimping pliers 37
Front/end sleeve M12 91
Front/end sleeve M5 88, 89
Front/end sleeve M6 90
Fully insulating 1000 V PVC flat nose pliers 212
Further accessories for cable cutter item no. 200178 12

G page

Glove tester 244
Graffiti-Remover HUPgraffitiEx 406
Grease for soft-soldering acc. to DIN 8511-F-SW 21 411
Grip pliers 288
Guides, metric 330
Guiding head M5 88
Guiding head M6 90
Guiding head set with heads Ø 7, 10, 13 mm M5 89
Guiding head with loop M5 87, 88
Guiding head with loop M6 90
Guiding head Ø 13 mm M5 88
Guiding role made from aluminium M12 91
Guiding role made from aluminium M5 89
Guiding role made from aluminium M6 90
Guiding role made from aluminium, length 80 mm M12 91

H page

Hacksaw blades to DIN 6494 315
Hacksaw blades „PUK“ 315
Hacksaw frame 315
Hacksaw frame 1000 V 218
Hand brush „Prestige“ long 302
Hand brush „Prestige“ short 302
Hand cleaning cream HUPsoap, 10.000 ml 407
Hand cleaning cream HUPsoap, 3.000 ml 407
Hand cleaning cream HUPsoap, 500 ml 407
Hand pliers „MO-6“ for exchangeable dies 64
Hand saw „PUK“ 314
Hand taps DIN 352, type N/HSS 331
Handles with bit adapter 1000 V 224
HAUPA „ToolBelt Standard“ 346
HAUPA Crimp System for Photovoltaics 35
HAUPA electric crimper 51
HAUPA Pneumatic Crimpers 38
HAUPA Pneumatic crimpers table top versions 38
HAUPA “BigBox” 344
HAUPA “ProBag Go 1000 V“ 355
HAUPA “ProBag Max“ 354
HAUPA “ProBag Start VDE“ 354
HAUPA “ProBag“ 344
HAUPA “Tool Jacket“ 350
HAUPA “Tool Jacket“, empty 343
HAUPA “ToolBag XL 1000 V“ 352
HAUPA “ToolBag XL Classic“ 351
HAUPA “ToolBag XL Go“ 352
HAUPA “ToolBag XL“ 344
HAUPA “ToolBag“ 344
HAUPA “ToolBag“ 1000 V 351
HAUPA “ToolBelt VDE“ 1000 V 346
HAUPA “ToolBelt“ 343
HAUPA “ToolPouch“ 343, 346
HAUPA “TrendBox Plus“ 353
HAUPA “TrendBox“ 353
Heat protection gloves acc. to EN 407 245
Heat-resistant cable ties 174
Heat-shrinkable end caps 196
Heat-shrinkable tubes 193
Heavy duty side cutters DIN ISO 5745 VDE 211
Heavy duty side cutters DIN ISO 5749 286
Heavy duty side cutters DIN ISO 5749 VDE 211, 213
Hemp tackle block ropes 254
Hex shank with plug ejection 327
Hexagon angle screwdriver set, with spherical head 265
Hexagon screwdriver set T-handle, with spherical head 265
Hexagon sockets 1000 V 224
Hexagon sockets 1000 V, 125 mm 232
Hexagon sockets 1000 V, 250 mm 233
Hexagon sockets 1000 V, 50 mm 232
Hexagon sockets DIN 7448, 1000 V, 80 mm 232
Hexagon sockets VDE 222, 226, 230
Hexagonal machine screws 335
Hexagonal nut DIN 934 336
Hexagonal wood screws 334
Hexagonal wood screws, hot zinc dipped 334
High temperature silicon HUPsilicon 399
Holder for marking chalk 299
Holder for „Deep Indend“ pressing inserts 70
Hole inserts for round holes 83
Hole inserts for slotted holes 83
Hole saw with edge countersinkand board ejector 326
Hole-cutting tin snips 314
Hole-making tools 83
Holster for LED torches 293
Hook-and-loop cable ties 178
Hooks 334
Household hatchet 308
HSS Tap set 332
HSS taps set 331

Content

H

	page
HSS taps "Direct cutter"	330
HUPcompact „HC01“	40
HUPcompact „HC02”	36
HUPcompact „HC03“	43
HUPcompact „HC04“	42
HUPimpact cable ties	174
HUPsecure cable ties	174
HUPshrink21 thin-walled 2:1 blister package	193
HUPshrink21TW thin-walled 2:1	193, 194
HUPshrink21TW thin-walled 2:1 Box	193
HUPshrink31DW double-walled 3:1	194
HUPshrink31DW-A double-walled 3:1 with adhesive lining	195
HUPshrink31DW-A double-walled 3:1 with adhesive lining Box	195
HUPshrink31DW-A | HUPshrink41DW-A double-walled 3:1, 4:1 with adhesive lining	195
HUPshrink31MW-A | HUPshrink41MW-A medium-walled 3:1, 4:1 with adhesive lining	195
HUPshrink41DW-A double-walled 4:1 with adhesive lining	196
HUPsilicon	399
HUPsilicon white	399
HUPskinProtect	406
HUPstar	49
HUPstar „automotive“	49
HUPstar „Coaxial”	41
HUPstar „Fibre Optic Connector”	49
HUPstar „Photovoltaic”	35
HUPstar „Twisted contacts, square”	49
HUPsuperglue	400
Hydraulic cable cutters „HH 45-ST“ (ACSR)	16
Hydraulic crimping headstock + cylinder „KH-45“	75
Hydraulic crimping headstock set	74
Hydraulic crimping headstock „KC25-12“	66
Hydraulic crimping headstock „KC42-12“	67
Hydraulic crimping headstock „KH-25“	74
Hydraulic cutter „HH 85-ST“	16
Hydraulic cutting headstock	16
Hydraulic foot pump „F-700“	76
Hydraulic hand pliers „HC25-12“	66
Hydraulic hand pliers „HC42-12“	67
Hydraulic hand pliers „HD300-6“	71
Hydraulic hand pliers „HD400-6“	72
Hydraulic hand pliers „HH-12“	68
Hydraulic hand pliers „HH-6“	62
Hydraulic hand pliers „HHs-6“	61
Hydraulic hand pliers „HO-6“	64
Hydraulic hand-punch-cutter „HS-6“	82
Hydraulic hand-punching tool „HS-8“	82
Hydraulic oil	73
Hydraulic safety life line cable cutter	17

I

	page
Identification label for cable ties / marking cables	176
Industrial cleaning wipes	407
Industrial screwdriver set „Vario S2“ with replaceable dual blades	259
Insert bit sockets HEX 1/4"	275
Insert bit sockets PH 1/4"	275
Insert bit sockets slot 1/4"	275
Insert bit sockets TX 1/4"	275
Inserts for hexagon socket screws 1000 V	224, 229, 233
Installation case “Extreme”	342
Insulated crimp cable lugs	144
Insulated tweezers VDE 1000 V	234
Insulating and protecting covers 1000 V	252
Insulating finger gloves according to DIN EN 60903	244
Insulating floor mats acc. to IEC-61111	251
Insulating sleeves	139
Insulator cover for gable insulators 1000 V	252
Interchangeable bracket	22
ISO nailing clips	183
Isolating magnetic rubber towels	251

J

	page
Jointing chisel	308
Junior hacksaw	314
Junior hacksaw DIN 6473 C	314

K

	page
Kevlar cutter	5
Key set Tx	264

L

	page
Label-Remover HUPlableEx	406
Labelling box	176
Lashing belt 400 daN, one-piece	305
Lashing belt 400 daN, two-piece with hook	305
Lashing belt 1000 daN, one-piece	305
Lashing belt 1000 daN, two-piece with hook	305
Lead seals	253
Leather working glove	246
LED working light „HUPlight10+3“	293
LED „Focus Torch“	292
LED „Headlight“ headlamp	293
LED „IP67 Torch“	292
LED „Max Torch“	292
LED „Mini Torch“	292
LED „Pen Torch“	293
LED „RC Torch“	292
Locked torque wrench 1000 V	228, 232
Long chain nose pliers DIN ISO 5745	287
Long chain nose pliers DIN ISO 5745 1000 V	215
Long chain nose pliers DIN ISO 5745 1000 V, 45°	215
Long chain nose pliers DIN ISO 5745 VDE	211, 213
Long chain nose pliers DIN ISO 5745 VDE, 45°	211, 213
Long flat nose pliers DIN ISO 5745	287
Long round nose pliers DIN ISO 5745	287
Loose knife, hooked blade	313
Loose knife, trapezoidal blade	313

M

	page
Machine screw counter sunk	335
Magazine for Quadro	37
Magnetic holder	267
Magnetic holder for “HUPlight50”	296
Magnetic retriever	263
Marking chalk	299
Marking Paint HUPmark	402
Masonry drill bit	319
Masonry drills DIN 8039	319
Measuring tapes	298
Metal box	52, 53
Metal Degreaser HUPmetalClean	405
Metal dustpan with wooden handle	302
Microelectronic side cutters	288
Mini working light “HUPlight4”	293
Mixing nozzle	399
“Mix Tx” Screws assortment box	337
“Mix” Screws assortment box	336
“Multi Check II” - digital high-capacity multimeter	240
“Multi Clamp II”digital miniature clamp transducer AC/DC 600 V	239
More possibilities of dies - please, order separately	51
Mounting bracket „CableGo“	99
Mounting screws	335
MS-Polymer HUPfix	398
MS-Polymer HUPfix black	398
MS-Polymer HUPfix grey	398
MS-Polymer HUPfix white	398
Multi Cleaner HUPcleanMulti	405
Multi-fleece	304

N

	page
Nailing clips for flat cable	182
Nailing clips for round cable	182, 183
Network range	46
Network service case	375
NH-protecting caps 1000 V	252
Nipple threading dies	330
No.1-Cat	24

O

	page
Open-jawed ring wrench with ratch function	273
Outer gloves	245

P

	page
Paint scrapers	304
Pan headed machine screws	335
“Pan head” Screws assortment box	336
Parallel connectors	118, 124
Parallel connectors DIN 46341 part 1, type A	146
Parallel rope tension clamps	254
PC Cat	24
PC-Strip	24
Perlon fish tapes	86

P

	page
Personal safety set	250
Piercing awls	258
Pin punch set	308
Pin terminals without insulation DIN 46230	145
Pipe cleaning brush	91
Pipe wrenches	288
Plan grip pliers 1000 V	215
Plaster cups	304
Plaster pan	304
Plasterboard dowel with setting tool	340
Plastic clips 1000 V	252
Plastic hammer	309
Plastic seal wire	253
Plastic seals	253
Plate screw DIN 7504	335
Plate screw DIN 7504, Tx	335
Pliers set	287
Pliers set VDE, 2-coloured coating-insulation	214
Pliers set VDE, sheathed handles	212
Polyethene spiral binding	178
Polymer-Spray HUPpolymer	403
Precision pocket vernier calipers „digital“	299
Precision pocket vernier calipers „Stainless“	299
Precision stripper PWS Plus	24
Pressing inserts „Deep Indend“ (AH-12/KH-12/HH-12)	70
Pressing thorn	70
PTFE-Spray HUPptfe	403
PU cut-protection glove, level 3	246
PU cut-protection glove, level 5	246
PU textile glove	246
Pulling unit with loop M5	88, 89
Punching dies, metric	82
Punching dies, PG	82
Punching dies, square	82
Punching headstock “SK-KS-6”	59
Push-through expansion dowel	339
PVC hammer 1000 V	234
PVC pipe cutter	5

Q

	page
Quadro complete set in case	37
Quadro with magazine	37
Quick change holder for hole saws, „RE-LOAD“	327
Quick charger Li-Ion 18 V	73

R

	page
Rainbow-Pack	198
Rapid connectors	120
Ratchet cable cutter 1000 V	217
Ratchet cable cutter with cover 1000 V	217
Ratchet ring spanners 1000 V	221
Ratchet screwdriver set „FlexBag“	270
Ratchet screwdriver set „FlexBox“	270
Ratchet screwdriver set „Flex“	269
Ratchet screwdriver „FlexPlus“	270
Ratchet wrenches	331
Releasable cable ties	175
Releasable cable ties for frequent opening and closing	175
Replaceable blade – hex blade	261
Replaceable blade – Phillips blade	261
Replaceable blade – Phillips blade/pozidrive blade	261
Replaceable blade – pozidrive blade	261
Replaceable blade – pozidrive blade/slotted	261
Replaceable blade – slotted blade	261
Replaceable blade – square blade	261
Replaceable blade – torx blade	261
Replacement battery to „HUPlight10“	295
Replacement battery to „HUPlight20“	295
Replacement battery to „HUPlight50“	296
Replacement blade	23, 32, 5
Replacement blades, 4-pcs.	219
Replacement glass fibre rod	88
Replacement glass fibre rod FIX	91
Replacement glass fibre rod FOX	89
Replacement glass fibre rod POWER	92
Replacement glass fibre rod SIX	90
Replacement glass fibre rod STRONG	92
replacement heads	309, 7, 8
Replacement hook blades	22
Replacement rod HAUPA-PullTec	87
Reversible ratchet 1/2"	277
Reversible ratchet 1/4"	274
Reversible ratchet 1000 V	224, 228, 232
Reversible ratchet 3/8"	276
Reversible ratchet VDE	222, 226, 230
Right angle allen keys 1000 V	220

Content

R page

Ring spanners 1000 V 221
Ring terminals 117, 132, 138
Ring terminals DIN 46237 117, 121, 123, 127
Ring terminals DIN 46237 „SmallPack“ 121
Ring terminals „ECO-Line“ 129
Riveting pliers 288
Riveting tool set 288
Round pins 118, 124
Round sleeves 120, 125
Round sleeves „SmallPack“ 122
Round terminals 119, 126
Round terminals „SmallPack“ 122
Rubber hand guard 308
Rubber towels acc. to VDE 0680/1 251

S page

Safety belts acc. EN 358 250
Safety classes acc. to EN 166 247
Safety fuse grips 245
Safety harness DIN EN 361 250
Safety knife „Safety“ 313
Safety ropes acc. to A-DIN 83330 250
Safety-sets VDE/GS 248
Screws assortment box “Senkkopf” 337
Screw extractor set 330
Screw punches 322
Screw type sockets 177
Screw-Locking High-Strength HUPlockH 401
Screw-Locking Medium-Strength HUPlockM 401
Screwdriver bits 266
Screwdriver bits Tx 267
Screwdriver bits, Phillips 266
Screwdriver bits, Pozidriv 267
Screwdriver bits, reduced for PH1 and PH2 266
Screwdriver set Phillips 258
Screwdriver set Pozidriv 258
Screwdriver set Tx 257
Screwdriver set with PZ slot profile 204
Screwdriver with PZ slot profile 204
Screwdrivers set 1000 V 205
Screwdrivers Square 205, 257
Screwdrivers Tx 257
Screwdriver “HUPslim” 1000 V 203
Screwdriver set “HUPslim” 1000 V 203
Screwdriver set with PZ slot profile head “HUPslim” 1000 V 202
Screwdriver with PZ slot profile “HUPslim” 1000 V 202
SDS hammer drill bits 320
SDS magnetic holder 267
SDS-hammer drill sets 320
SDS-Nut-hammer drill sets 320
SDS-shank 327
Seal wire 253
Sealing pliers 253
Security bag, empty 248
Self adhesive PVC tape 252
Self adhesive sockets 177
Self-welding insulation tape „HUPtape76seal“ 199
Sensor Tool LSA 24
Service set for HAUPA-FIBRE 88
Service trolly for hybrid vehicles 1000 V 373
Set 3 wire brackets „CableGo“ 99
Set HUPshrink21TW thin-walled 2:1 192
Set HUPshrink21TW thin-walled 2:1 coloured 192
Set HUPshrink31DW-A double-walled 3:1 with adhesive lining 192
Set of cone drills/HSS 322
Set with protective gloves EN 60903 245
Set with protective gloves EN 60903 light 245
Shank for hollow core cutters, SDS-Plus 323
Shoe cover, blue, with elastic band 248
Short flat nose pliers DIN ISO 5745 1000 V 215
Short flat nose pliers DIN ISO 5745 VDE 213
Short round nose pliers DIN ISO 5745 VDE 212, 213
Side cutters DIN ISO 5749 286
Side cutters DIN ISO 5749 1000 V 215
Side cutters DIN ISO 5749 VDE 211, 213
Side cutting pliers with stripping function 1000 V 211
Silicone-Spray HUPsil 403
Single ended spanners 1000 V 220
Single ended tool set acc. to VDE 1000 V 221
Sledge hammer to DIN 6475 309
Sleeves for round compacted conductors DIN 158
Slide Box with DIN end sleeves 112
Slide Box with DIN TWIN end sleeves 112
Sliding adapter 1/2" x 3/8" 276
Sliding adapter 3/8" x 1/4" 274
Sliding adapter 3/8" x 1/2" 277
Slip on bushes 1000 V 252

S page

SlimTop - cable glands IP 68, metric, assembled with washer and lock nut, industry 187
Small tube cutter 314
Smoke-Detector-Test-Spray HUPdetect 408
Socket cup screw DIN 84 Form A 335
Socket sleeves (female) 118, 122, 124, 127, 131, 136
Socket sleeves (female) with branch 119, 125, 137
Socket sleeves (female) with cable stop 136, 137
Socket sleeves (female) „ECO-Line“ 129
Socket sleeves (female) „SmallPack“ 118, 122, 140
Socket sleeves (female) „SmallPack“ with branch 140
Socket sleeves (female), fully-insulated 119, 122, 125, 128
Socket sleeves (female), fully-insulated „ECO-Line“ 130
Socket sleeves (female), fully-insulated „SmallPack“ 122
Socket sleeves (male) DIN 46231 117, 123
Socket sleeves (male) with latching tongue 138
Socket T-wrench 1000 V 224, 228, 232
Socket T-wrench VDE 222, 226, 230
Socket wrenches 259
Socket wrenches DIN 7445 205
Socket wrenches set 259, 274, 276, 277, 278
Socket wrenches set DIN 7445 205
Sockets 1/2" 277
Sockets 1/4" 274
Sockets 3/8" 276
Solder for electronic work acc. to DIN EN 29453 412
Solder in triangular sticks DIN 1707 411
Solder wire according to Din EN 29453 412
Soldering fluid acc. to DIN 8511-F-SW 32 411
Soldering fluid acc. to DIN 8511-F-W 21 411
Soldering grease for fittings acc. to DIN 8511-F-W 22 411
Soldering irons 410
Soldering paste acc. to DIN 8511-F-SW 26 411
Soldering stone 411
Solderless butt connectors DIN 46341 part 1, type B 146
Solderless terminals for meter connection 144
Spacer bushing 82
Spanners for switch cabinet key, „HUPkey Uni“ 283
Spanners for switch-cabinets, „HUPkey“ 283
spare blades 22, 27
Spare cutting head 218
Spare screws 322
Spark plug sockets 1/2" 277
Spark plug sockets 3/8" 276
Special cable cutter 10
Special fast glue for glass fibre rod Ø 3 mm 88
Special pulling aid 88
Spinner handle for screwdriver 1/4" 274
Spiral fish tapes 86
Spring for hole saw arbors 325
Spring toggle 340
Spring washers 336
Spirit level “HUPmini” 298
Square socket key 210
Stainless-Steel-Spray HUPinox 403
Stand for “HUPlight50“ 296
Steel cable ties, SS 316 (V4A) with ball closure 180
Steel cable ties, SS 316 (V4A) with ratchet function 180
Steel fish tapes 86
Steel point scribers 299
Steel stamp, figures (0 - 9) DIN 1451 310
Steel stamp, letters (A - Z), DIN 1451 310
Step drills /HSS 321
Step drills assortiment/HSS 321
Stone chisels, flat oval shank 308
Stone chisels, octagonal shank 308
Street broom 302
Stripper for coaxial cable 24
Stripper for UTP-/STP-data cable 24
Stripper standard 23
Stripper „All-rounder“ 23
Stripping pliers 1000 V 218, 32
Stripping pliers 32
Stripping tool for medium-high voltage cable 32
Stubby gasifier cross slot screwdrivers Phillips 258
Stubby gasifier screwdrivers Slot 258
Super wire stripper 26
Switch cabinet key, „HUPkey“ 282
Switch cabinet key, „HUPkey“ with converting bit 282
SysCon cable lugs DIN 46235 169
SysCon cable lugs standard 169
SysCon cable pulling device „CableGo master“ 99
SysCon cable pulling device „CableGo profi“ 99
SysCon cable pulling device „CableGo starter“ 99
SysCon for assortment inserts empty 389
SysCon hand truck 392
SysCon insulated terminals & 210761 134
SysCon load securing “SysConCar“ 392
SysCon M for assortment inserts empty 389
SysCon M tool case set 393

S page

SysCon M tool case set „Start VDE“ 393
SysCon plate screws 338
SysCon S cable lugs DIN + 210805 K 168
SysCon S cable lugs standard + 210805 168
SysCon S end sleeves + 210804 114
SysCon S end sleeves + 210842 114
SysCon S socket wrench set “Torque” ¼" 281
SysCon S socket wrench set “Torque” ½" 281
SysCon S „SocketMax“ 1/2", 1/4" 278
SysCon S „VDE-Socket“ 1/2" 231
SysCon tool box empty 389
SysCon transport system 388
SysCon universal countersunk screws 338
SysCon XL „SafetySet“ 249
“SocketFlex” socket wrench box 279
“Supply Basic“ service bag 356
“Supply Max“ service bag 355
“Supply Plus“ service bag 356
“Supply“ service bag 345
“System 4 – 70” cable stripper 22

T page

T-connectors, standard series 152
T-handle allen keys 1000 V 220
T-handle socket wrenches 1000 V 220
T.C.T. center drill for hole saw arbors 325
T.C.T. Hole Saw 325
T.C.T. Hole Saw Fastcut 325
Table clamp „CableGo“ 99
Tackle blocks 254
Taps for armoured steel conduits, metric thread 330
Tarpaulin premium 303
Tarpaulin, strong 303
Template for four mandrel pressing 72
Tensioning tools for cable ties 177
Tensioning tools for steel cable ties 180
Test pin 72
Textile tape 303
The ideal tool assortment 379
Tool belt 343
Tool belt “Basic“ 347
Tool belt “VDE Plus“ 1000 V 347
Tool belt “VDE“ 1000 V 347
Tool case “HAUPA – Lifesaver“ 1000 V 383
Tool case 1000 V 225
Tool case for household connections 1000 V 225
Tool case trolley “Extreme” 342
Tool case trolly “EXTRA“ 373
Tool case trolly “Fly“ 342
Tool case trolly “Master“ 372
Tool case trolly “OmegaMax Trolley Start VDE“ 380
Tool case trolly “OmegaMax Trolly“ 342
Tool case trolly “Profi mobil“ 371
Tool case trolly “Secure mobil“ 1000 V 374
Tool case trolly “Start-up Profi“ 342
Tool case trolly “Start-up“ 372
Tool case VDE 1/2" 230
Tool case VDE 1/4" 222
Tool case VDE 3/8" 226
Tool case “Achat“ 358
Tool case “Akkurat“ 378
Tool case “Aktion“ 342
Tool case “Alpha“ 361
Tool case “Basic VDE“ 377
Tool case “Basic“ 376
Tool case “Comet“ 359
Tool case “Compact“ 376
Tool case “Delux Plus“ 1000 V 380
Tool case “Delux“ 1000 V 363
Tool case “Diamant“ 378
Tool case “EXTRA“ 370
Tool case “Favorit - Admiral - Profi“ 359
Tool case “Inspektor“ 377
Tool case “Kick-Off Light“ 357
Tool case “Kick-Off“ 357
Tool case “Leopard“ 1000 V 381
Tool case “Magister“ 359
Tool case “Merkur Plus“ 382
Tool case “Merkur“ 342
Tool case “Novelle 1“ 361
Tool case “OmegaMax Start VDE“ 379
Tool case “OmegaMax“ 342
Tool case “Omega“ 342
Tool case “Panther“ 375
Tool case “Pendant“ 342
Tool case “Phoenix“ 360
Tool case “Power Pack“ 1000 V 381
Tool case “Profi VDE“ 1000 V 371

Content

T	page
Tool case “Rotor“ 1000 V	363
Tool case “Saphir“	360
Tool case “Start VDE“	362
Tool case “Start-up Profi“	342
Tool case “Start-up S“	342
Tool case “Start-up VDE”	370
Tool case “Start-up”	369
Tool case “Start”	362
Tool case “Tradition” and “Fan”	358
Tool case “Venus Plus” 1000 V	382
Tool case “2 component”	374
Tool case “Biber” 1000 V	233
Tool case “ElektroCombo”	207
Tool case „Jobstarter Plus“	368
Tool case “Real” 1000 V	214
Tool case “Start-up Go”	368
Tool case “Start-up Light”	367
Tool case “Start-up Max”	369
Tool case „Start-up Sanitär“	384
Tool case „Start-up SHK“	384
Tool cases	84
Tool frame “HUPstar” – open	48
Tool holder for construction buckets	345
Tool plate	390
Tool plate SysCon	390
Tool wallets	345
Tools insert SysCon	391
Torque stoppers 1000 V	228
Torque T key 1000 V	228
Torque wrenches	280
Torque wrenches 1000 V	224, 226, 228, 232
Trowel	305
Trowel „Profi“	305
Travelling safety device DIN 353-2, Type ASK 1	250
Tube cutter	314
Tubular cable lugs assortment DIN 46235	167
Tubular cable lugs assortment standard	167
Tubular cable lugs for fine-wired, high flexible conductors	154
Tubular cable lugs of pure nickel, ring type	161
Tubular cable lugs, standard series	149, 150
Tubular terminals of pure nickel, forke type	161
Tubular terminals, Light „T“ series	147, 148
Tubularcable lugs, nylon-insulated, standard series	153
Tweezers	288
Twin-end sleeves two cables DIN	109, 110, 111
Twin-end sleeves two cables DIN „SmallPack“	110
Twin-end sleeves, colour range II, german	110
TwinSpeed self tapping screw	335
Twist drills DIN 338/HSS type N	318
Two handed cable cutter	10, 11
Two handed cable cutter„SCAR45“ for SWA cable	9

U	page
Universal alignment tool for sector conductor 1000 V	234
Universal cable cutter	12
Universal countersunk screw	334
“UV” heat-resistant cable ties, black	174
Universal joint 1/2"	277
Universal joint 1/4"	275
Universal joint 3/8"	276
Universal metal dowel	340
Universal pan head screw	334
Universal set 1	60
Universal set 2	60
Universal stripper	23
Universal-Lubricant HUP40	403
Universal-Lubricant HUP40 50 ml	403
Utility knives	313
Utility knives „Extra“ with spare blades	313
Utility metal knives	313

V	page
„Vario“ 1000 V replaceable blade set	206
„Vario“ 1000 V replaceable blade set – Pozidriv	206
„Vario“ nylon bag – empty	206
„Vario“ replaceable blade – Phillips blade	206
„Vario“ replaceable blade – pozidrive blade	206
„Vario“ replaceable blade – pozidrive blade/slotted	206
„Vario“ replaceable blade – slotted blade	206
„Vario“ replaceable blade – torx blade	206
„Vario“ screw cap	206
„Vario“ switch cabinet key – Double-bit	206
„Vario“ switch cabinet key – Square	206
„Vario“ switch cabinet key – Triangular	206
„VarioPro“ 1000 V replaceable blade system	207
„VarioTQ“ 1000 V nylon bag – empty	210

V	page
„VarioTQ“ 1000 V replaceable blade – slotted blade	210
„VarioTQ“ 1000 V dynamometric screwdriver with replaceable blades - Hex	209
„VarioTQ“ 1000 V dynamometric screwdriver with replaceable blades - Phillips / Pozidriv	208
„VarioTQ“ 1000 V dynamometric screwdriver with replaceable blades - Tx / Hex	209
„VarioTQ“ 1000 V replaceable blade – hex blade	210
„VarioTQ“ 1000 V replaceable blade – Phillips blade	210
„VarioTQ“ 1000 V replaceable blade – pozidrive blade	210
„VarioTQ“ 1000 V replaceable blade – pozidrive blade/slotted	210
„VarioTQ“ 1000 V replaceable blade – torx blade	210
„VarioTQ“ dynamometric screwdriver with replaceable dual blades	260
„VarioTQ“ nylon bag – empty	261
VDE magnet for rubber cloth	251
VDE security set 1000 V	358
VDE/GS - Tool sets 1000 V	358
VDE/GS - Tool wallets “Rebell”	345
VDE/GS-Voltage testers, VDE-tested 0426/72	266
Voltage tester	266
Voltage tester VDE/GS	241
Voltage tester “Basic +”	239
Voltage tester “Profi LCDplus II”	238
Voltage tester “Profi LEDplus II”	238
Voltage tester “TestPen Profi”	241

W	page
Warding files DIN 7283	310
Warning sign, plastic „Caution, Wet floor“, yellow	304
Washers	336
Washers DIN 125	336
Waste sack, extra	303
Water brushes	304
Water pump pliers DIN ISO 8976	287
Water pump pliers DIN ISO 8976 1000 V	214
Water pump pliers DIN ISO 8976 VDE	212
Water-based lubricants and slip agents	401
Wedges	234
Welded shrink connectors	132
Welded shrink connectors, transparent	132
Wire brushes	304
Wire cutter	8
Wire rope and cable cutter 1000 V	218
Wire stripper / Solar	27
Wire stripper Sensor Mini	28
Wire stripper sensor special	28
Wire stripper „High Strip“	26
Wire stripping pliers	287, 29
Wire stripping pliers 1000 V	215
Wire stripping pliers VDE	211, 214
Workshop trolley	394

Z	page
Zinc spray 550 HUPzincKorro	402
Zinc-Spray HUPzinc	402
Zinc-Spray light HUPzincLight	402

2	page
2 Component High-Performance-Adhesive HUPmega	399
2 Component liquid metal HUPfastMetal	400
2 Component-epoxyd glue HUPepoxyd	400

Notes

Index

Art. no.	page
100241	262
100243	262
100249	262
100250	262
100252	262
100257	262
100259	262
100261	262
100366	263
100585	264
100590	265
100592	265
100594	265
100596	265
100598	265
100600	265
100602	265
100606	265
100610	265
100612	265
100614	265
100630	264
100632	264
100633	264
100634	264
100635	264
100636	264
100640	264
100645	266
100646	266
100647	266
100648	266
100649	266
100666	240
100680	263
100694	263
100700	241
100704	262
100704 A	262
100712	262
100713	262
100714	262
100715	262
100716	262
100718 A	262
100720	262
100721	262
100723	262
100728	262
100729	262
100729 A	262
100734	262
100736	262
100738	262
100741	262
100742	262
100902	265
100903	265
100904	265
100905	265
100906	265
100908	265
100909	265
100915	264
100917	264
100921	265
100927	265
100941	264
100943	264
100961	265
100965	265
100967	265
101200	257
101202	257
101204	257
101206	257
101208	257
101210	257
101211	257
101212/S	257
101229/6	257
101230	257
101484	259
101486	259
101488	259
101490	259
101492	259
101494	259
101496	259
101500	259
101502	259
101510	259
101520	257
101521	257
101522	257
101524	257
101526	257
101528	257
101530	257
101532	257
101534	257
101536	257
101538	257
101540	257
101541	257
101542	257
101544	257
101546	257
101548	257
101550	257
101552	257
101554	257
101560	258
101562	258
101604	256
101606	256
101608	256
101610	256
101612	256
101614	256
101640	256
101642	256
101644	256
101646	256
101648	256
101650	256
101684	256
101686	256
101688	256
101690	256
101850	205
101852	205
101854	205
101856	205
101858	205
101860	205
101862	205
101864	205
101866	205
101870	204
101872	204
101874	267
101876	267
101879	204
101880	267
101882	267
101910	204
101912	204
101914	204
101916	204
101917	204
101918	204
101920	204
101922	204
101924	204
101940	205
101942	205
101944	205
101946	205
101950	205
101952	205
101954	205
101956	205
101999	205
101999/PZ	205
102000	206
102000/PZ	206
102001	206
102002	206
102004	206
102005	206
102006	206
102008	206
102010	206
102012	206
102014	206
102016	206
102017	206
102018	206
102020	206
102022	206
102030	206
102032	206
102034	206
102036	206
102040	206
102042	206
102044	206
102052	207
102060	206
102062	206
102064	206
102066	206
102068	206
102070	206
102072	206
102110	266
102112	266
102114	266
102116	266
102118	267
102120	267
102122	267
102124	267
102126	267
102130	267
102131	267
102132	267
102134	267
102152	266
102154	266
102155	266
102164	266
102166	266
102172	266
102174	266
102176	267
102178	267
102180	267
102182	267
102184	267
102186	267
102188	267
102190	267
102192	267
102194	267
102196	267
102198	267
102200	267
102202	267
102204	267
102208	267
102210	268
102212	269
102214	268
102216	268
102512	205
102520	205
102522	205
102524	205
102526	205
102528	205
102530	205
102532	205
102534	205
102536	205
102538	205
102540	205
102550	205
102552	205
102554	205
102556	205
102612	256
102614	256
102616	256
102700	208
102700/PZ	208
102701	208
102701/PZ	208
102702	209
102703	209
102704	209
102705	209
102706	209
102707	209
102710	210
102712	210
102714	210
102716	210
102718	210
102720	210
102722	210
102724	210
102726	210
102730	210
102732	210
102734	210
102736	210
102740	210
102742	210
102744	210
102746	210
102748	210
102750	210
102752	210
102760	210
102762	210
102764	210
102766	210
102768	210
102770	210
102772	210
102780	210
102782	210
102784	210
102785	210
102790	210
102792	210
102870	202
102872	202
102879	202
102914	203
102916	203
102917	203
102918	203
102920	203
102942	203
102944	203
102952	203
102954	203
102999	203
102999/PZ	203
103000	260
103002	260
103010	261
103012	261
103014	261
103016	261
103018	261
103020	261
103022	261
103024	261
103026	261
103028	261
103030	261
103032	261
103034	261
103070	261
103072	261
103080	258
103082	258
103120	258
103122	258
103130	257
103132	257
103134	257
103136	257
103470	258
103472	258
103498	259
103800	239
103809	239
103811	240
103817	241
103824	238
103826	238
104000	263
104002	263
104004	263
104006	269
104008	259
104009	270
104010	262
104020	270
104030	270
104090	207
110000	220
110002	220
110004	220
110006	220
110008	220
110010	220
110012	220
110022	220
110024	220
110026	220
110028	220
110030	220
110032	220
110034	220
110036	220
110039/EN	228
110040/EN	232
110042	220
110044	220
110046	220
110048	220
110050	220
110052	220
110054	220
110055/EN	228
110056/EN	228
110058/EN	232
110060	220
110062	220
110064	220
110065/EN	228
110066/EN	232
110067/EN	232
110068/EN	232
110070	220
110071	228
110073	228
110074	220
110075	228
110076	220
110078	220
110080	220
110081	220
110083	220
110084	220
110085	220
110087	220
110089	220
110090	272
110091	220
110092	272
110093	220
110094	272
110095	220
110096	272
110097	220
110099	220
110100	272
110104	272
110108	272
110112	272
110114	272
110120	272
110130	272
110132	272
110140	272
110142	272
110144	272
110146	272
110148	272
110152	272
110154	272
110160	272
110164	272
110170	272
110172	272
110180	272
110182	272
110184	272
110186	272
110188	272
110190	272
110192	272
110194	272
110196	272
110198	272
110202	272
110204	272
110206	272
110212	272
110216	272
110222	272
110250	272
110252	272
110260	220
110262	220
110264	220
110266	220
110268	220
110270	220
110272	220
110274	220
110276	220
110278	220
110280	220
110282	220
110284	220
110286	220
110288	220
110290	220
110300	221
110302	221
110304	221
110306	221
110308	221
110310	221
110312	221
110314	221
110316	221
110318	221
110320	221
110322	221
110324	221
110331/EN	228
110332/EN	232
110335/EN	228
110336/EN	232
110337/EN	228
110338/EN	232
110339/EN	232
110340/EN	232
110342/EN	232
110344/EN	232
110346/125	232
110346/250	233
110346/EN	232
110348/125	232
110348/250	233
110348/EN	232
110350/125	232
110350/250	233
110350/EN	232
110352/125	232
110352/250	233
110352/EN	232
110354/125	232
110354/250	233
110354/EN	232
110356/125	232
110356/250	233
110356/EN	232
110358/125	232
110358/250	233
110358/EN	232
110360/125	232
110360/250	233
110360/EN	232
110362/125	232
110362/250	233
110362/EN	232
110363/EN	228
110364/EN	228
110365/EN	228
110366/EN	228
110367/EN	228
110368/EN	228
110369/EN	228
110371/EN	228
110373/EN	232
110374/EN	232
110375/EN	232
110376/EN	232
110377/EN	232
110378/EN	232
110379/EN	232
110456/EN	228

We reserve the right to amendment products and/or prices at any time. Our general terms and conditions are essential.

Art. no.	page
110457/EN	228
110458/EN	228
110555	221
110556	221
110557	221
110558	218
110559	218
110561	218
110567	32
110569	32
110583	273
110585	273
110590	273
110592	273
110594	273
110596	273
110605	280
110607	280
110608	280
110609	281
110610	280
110672	279
110674	274
110674/K	274
110676	276
110676/K	276
110677	277
110677/K	277
110678	278
110691	282
110692	282
110693	282
110696	283
110697	282
110698	283
110700	274
110700/EN	228
110701	274
110702	274
110702/EN	228
110703/10	274
110703/11	274
110703/12	274
110703/13	274
110703/4	274
110703/45	274
110703/5	274
110703/55	274
110703/6	274
110703/7	274
110703/8	274
110703/9	274
110704	234
110705	234
110706	274
110709	234
110710	229
110711	275
110712	229
110713	229
110714	229
110715	229
110716	229
110717	229
110718	275
110719	275
110720	275
110721	275
110722	275
110723	275
110724	275
110725	274
110726	275
110727	275
110728	275
110729	275
110731	276
110733	276
110735	276
110737/10	276
110737/11	276
110737/12	276
110737/13	276
110737/14	276
110737/15	276
110737/16	276
110737/17	276
110737/18	276
110737/19	276
110737/20	276
110737/21	276
110737/22	276
110737/24	276
110737/6	276
110737/7	276
110737/8	276
110737/9	276
110738	276
110739	276
110741	276
110745	276
110747	275
110749	275
110751	277
110752	277
110753	277
110754	275
110754/10	277
110754/11	277
110754/12	277
110754/13	277
110754/14	277
110754/15	277
110754/16	277
110754/17	277
110754/18	277
110754/19	277
110754/20	277
110754/21	277
110754/22	277
110754/24	277
110754/26	277
110754/27	277
110754/28	277
110754/30	277
110754/32	277
110755	277
110756	277
110757	277
110758	277
110759	275
110760	275
110810	224
110812	224
110813	224
110814	224
110816	224
110818	224
110820	224
110822	224
110824	224
110826	224
110828	224
110830	224
110832	224
110834	224
110836	224
110838	224
110840	224
110842	224
110844	224
110846	224
110848	224
110860	224
110861	228
110862	232
110864	224
110866	224
110868	224
110869	225
110870	221
110871	225
110872	221
110873	229
110874	221
110876	221
110878	221
110880	221
110882	221
110884	221
110886	221
110888	221
110890	221
110892	221
110900	273
110900/10	273
110900/12	273
110900/13	273
110900/14	273
110900/17	273
110900/19	273
110900/8	273
110900/9	273
110902	273
120002	234
120003	245
120004	244
120005	244
120006	244
120006 561	244
120006 564 S	244
120006 587	244
120007	244
120007/1	244
120008	247
120008 GELB	247
120008 ROT	247
120008 WEISS	247
120010	247
120011	245
120012	245
120014	248
120015	248
120016	248
120017	248
120018	248
120028	245
120029	245
120030	251
120031	251
120033	251
120034	247
120037	245
120040	251
120042	251
120044	251
120046	251
120048	251
120049	252
120050	252
120051	212
120052	212
120057	252
120058	252
120059	252
120060	252
120062	252
120064	252
120069	252
120070	252
120071	252
120072	252
120073	252
120074	252
120077	252
120078	252
120079	252
120087	247
120088	247
120089	252
120093	247
120094	234
120095	252
120096	252
120100	234
120101	234
120102	234
120103	234
120104	234
120109	244
120111	248
120112	248
120115	248
120116	248
120120	248
120122	248
120160	251
120162	251
120164	251
120166	251
120168	251
120200	251
120300/10	246
120300/11	246
120300/7	246
120300/8	246
120300/9	246
120302/10	246
120302/11	246
120302/9	246
120304/10	246
120304/11	246
120304/9	246
120310	246
121000	244
121002	244
121004	244
121006	244
121008	244
121010	244
121012	244
121014	244
121016	244
121018	244
130004	254
130006	254
130042	254
130044	254
130064	254
130066	254
130068	254
130200	310
130201	310
130202	310
130203	310
130204	310
130206	310
130208	310
130209	310
130210	310
130211	310
130212	310
130214	310
130310	292
130312	292
130314	292
130316	292
130318	293
130322	293
130324	292
130328	293
130330	295
130330/A	295
130331	295
130332	295
130332/A	295
130333	295
130336	293
130338	296
130338/A	296
130339	296
130340	296
130342	296
130344	294
130346	294
130348	293
140180	330
140182	330
140190	330
140192	330
140210	330
140214	330
140216	330
140218	330
140220	330
140222	330
140224	330
140226	330
140228	330
140230	330
140232	330
140234	330
140236	330
140238	330
140240	330
140242	330
140244	330
140246	330
140248	330
140250	330
140252	330
140254	330
140256	330
140258	330
140260	330
140262	330
140510	300
140520	300
140530	300
143000	88
143002	88
143002/ECO	88
143004	88
143006	88
143008	88
143010	88
143012	88
143014	88
143016	88
143018	88
143020	88
143024	88
143026	88
143028	88
143030	88
143050	89
143052	89
143054	89
143056	89
143058	89
143060	89
143062	89
143064	89
143066	89
143068	89
143070	89
143072	89
143100	90
143102	90
143104	90
143105	90
143106	90
143108	90
143110	90
143111	90
143112	90
143114	90
143116	90
143117	90
143118	90
143120	90
143122	90
143124	90
143126	90
143128	90
143130	90
143132	90
143134	90
143136	90
143150	91
143152	91
143154	91
143156	91
143158	91
143160	91
143162	91
143164	91
143166	91
143168	91
143170	91
143172	91
143174	91
143176	91
143178	91
143180	91
143182	91
143184	91
143186	91
143187	91
143188	93
143190	91
143200	91
143202	91
143204	91
143210	92
143212	92
143214	92
143216	92
143218	92
143220	92
143222	92
143224	92
143226	92
143228	92
143230	92
143232	92
143250	92
143252	92
143254	92
143256	92
143258	92
143260	92
143262	92
143264	92
143266	93
143270	92
143272	92
143274	92
143276	92
143278	92
143280	92
143300	94
143302	94
143304	94
143306	94
143308	94
143310	94
143312	94
143314	94
143316	94
143318	94
143320	94
143322	94
143324	94
143326	94
143328	94
143330	94
143332	94
143334	94
143336	94
143338	94
143340	94
143342	94
143344	401
143345	401
143346	401
143348	401
143398	96
143400	96
143402	96
143404	96
143406	96
143420	98
143422	98
143424	98
143430	99
143432	99
143434	99
143440	99
143441	99
143442	99
143443	99
143444	99
143500	87
143501	87
143502	87
143503	87
143504	87
143505	87
143506	87
143507	87
143508	87
143509	87
150002	304
150004	304
150006	304
150008	304
150010	304
150012	305
150015 B	299
150015 G	299
150015 R	299
150015/1	299
150019	300
150024	304
150025	299
150026	304
150027	299
150028	304
150029	305
150033	305
150036	234

Index

Art. no.	page
150037	234
150038	234
150039	305
150090	299
150152	86
150154	86
150156	86
150158	86
150200	86
150202	86
150204	86
150206	86
150208	86
150210	86
150220	86
150222	86
150224	86
150226	86
150228	86
150230	86
150232	86
150234	86
150236	86
150238	86
150239	86
150240	250
150241	86
150243	86
150245	86
150247	86
150258	250
150262	250
150264	250
150266	250
150268	250
150270	250
150274	250
150275	250
150276	250
150277	250
150278	250
150279	250
150280	250
150302	251
150304	251
150306	251
150308	251
150310	251
150312	251
150314	251
150316	251
150318	251
150320	251
150322	251
150340	253
150342	253
150343	253
150344	253
150345	253
150360	253
150362	253
150364	253
150366	253
150368	253
150370	253
150375 BLAU	253
150375 GRÜN	253
150375 ROT	253
150377	247
150450	86
150452	86
150454	86
150456	86
150458	86
150462	86
150464	86
150466	86
150468	86
150470	86
150476	86
150478	86
150480	86
150482	86
150560	87
150562	87
150600	407
160000	412
160002	412
160004	412
160006	412
160008	412
160012	412
160014	412
160016	412
160018	412
160020	412
160022	412
160024	412
160026	412
160028	412
160030	412
160042	412
160044	412
160046	412
160050	412
160052	412
160054	412
160060	412
160062	412
160070	412
160072	412
160074	412
160090	411
160092	411
160094	411
160096	411
160100	411
160102	411
160112	411
160114	411
160130	411
160142	410
160144	410
160146	410
160150	410
160190	410
160402	412
160404	412
160406	412
160408	412
160414	412
160416	412
160418	412
160420	412
160422	412
160424	412
160426	412
160430	412
160442	412
160444	412
160446	412
160450	412
160452	412
160454	412
170100	405
170101	405
170102	404
170103	405
170104	405
170106	406
170108	406
170110	406
170112	406
170114	404
170116	406
170118	407
170126	407
170127	407
170128	407
170129	407
170140	402
170141	402
170142	402
170150	402
170152	402
170153	402
170154	402
170156	403
170158	403
170160	403
170162	403
170164	404
170166	403
170168	403
170170	403
170172	404
170174	401
170180	404
170200	399
170202	399
170206	398
170208	398
170210	398
170212	398
170214	398
170216	398
170220	399
170222	400
170224	400
170226	400
170232	400
170234	399
170236	400
170238	401
170240	401
170250	399
170252	399
170254	399
170400	408
170402	408
170404	408
170406	406
180008	308
180010	308
180012	308
180042	308
180044	308
180062	308
180064	308
180076	308
180082	308
180084	308
180090	308
180092	308
180094	308
180110	308
180120	308
180170	308
180173	308
180182	309
180184	309
180186	309
180188	309
180200	309
180202	309
180232	309
180274	309
180276	309
180290	309
180292	309
180295	234
180297	234
180300	309
180302	309
180321	308
180323	309
180334	309
180346	309
180464	308
180466	308
180468	308
180470	308
180474	308
180500	322
180502	322
180504	322
180506	322
180508	322
180510	322
180512	322
180513	322
180514	322
180515	322
180516	322
180517	322
180518	322
180519	322
180520	322
180521	322
180523	322
180525	322
180530	322
180532	322
180534	322
190120	310
190126	310
190130	310
190132	310
200000	219
200002	219
200003	219
200004	219
200005	219
200007	219
200008	312
200009	219
200010	312
200011	312
200012	312
200013	219
200014	312
200016	312
200018	312
200021	313
200022	22
200023	22
200023/M	22
200024	22
200025	313
200025/KL	313
200026	313
200027	313
200028	313
200030	313
200031	23
200032	313
200033	24
200036	23
200037	23
200038	23
200039	24
200040	23
200042	23
200043	23
200044	23
200046	23
200050	23
200051	313
200057	26
200059	313
200068	24
200069	24
200072	5
200073	7
200073/MK	7
200081	218
200081/MK	218
200086	6
200086/VDE	214
200087	7
200088	6
200088/VDE	214
200089	9
200095	7
200095/MK	7
200099	7
200099/MK	7
200100	8
200104	8
200105	6
200109	217
200110	217
200111	9
200112	9
200113	10
200114	10
200115	11
200116	10
200119	11
200120	216
200123	217
200124	13
200126	13
200127	216
200128	216
200129	216
200130	218
200131	13
200132	218
200140	314
200141	217
200149	218
200151	13
200153	5
200154	314
200155	5
200170	8
200173	8
200175	8
200177	10
200178	12
200178/B	12
200178/C	12
200178/S	12
200178/S1	12
200178/S2	12
200179	11
200181	8
200183	9
200185	5
200187	32
200188	32
200190	314
200192	314
200193	217
200194	314
200195	217
200196	314
200197	8
200198	217
200199	9
200214	5
200215	5
200216	5
200217	5
200218	5
200219	5
200280	314
200284	314
200285	314
200286	315
200287	314
200288	315
200290	314
200292	314
200304	315
200310	315
200520	32
200520/1	32
200522	32
200524	32
200524/1	32
200526	32
200528	32
200630	22
200632	22
200634	22
200636	24
200637	24
200638	24
201000	7
201002	7
201002/VDE	216
201010	219
201012	219
201040	22
201042	22
201044	22
201045	23
201046	22
201048	22
201050	22
201052	22
201054	22
201058	24
201085	6
201086	6
201087	6
201088	6
210052	286
210053	286
210054	286
210056	213
210058	213
210067	286
210068	286
210069	286
210100	213
210102	213
210110	213
210117	213
210119	213
210156	286
210157	286
210158	286
210263	215
210264	215
210265	215
210266	215
210267	215
210270	213
210296	213
210297	215
210298	215
210299	215
210300	215
210301	215
210302	215
210303	213
210313	287
210350	287
210388	213
210390	213
210394	287
210396	287
210397	287
210398	287
210556	288
210562	288
210583	214
210584	287
210588	214
210592	288
210594	288
210596	288
210616	287
210617	287
210618	287
210620	26
210622	26
210624	26
210644	287
210648	214
210681	27
210682	37
210682/1	37
210682/2	37
210683	26
210684	26
210685	27
210686	27
210690	29
210691	26
210692	26
210693	28
210693/1	28
210695	27
210695/E	27
210696	27
210696/2	27
210697	28
210699	28
210700	253
210702	253
210704	253
210710	253
210712	253
210714	253
210729	28
210730	28
210731	253
210732	253
210733	253
210761	40
210761/E	50
210762	42
210762/E	50
210763	36
210763/E	50
210764	43
210764/E	50
210765	36
210765/E	50
210767	41
210767/E	50
210768	36
210770	288
210772	43
210774	43
210776	288
210777	42
210778	43

We reserve the right to amendment products and/or prices at any time. Our general terms and conditions are essential.

Art. no.	page
210779	43
210784	50
210784/E	50
210785	42
210786	42
210788	37
210789	37
210791	44
210799	43
210802	40
210804	36
210805	44
210805 K	44
210808	40
210818	36
210819	37
210820	36
210824	36
210826	36
210827	40
210830	44
210834	44
210836	44
210838	44
210840	44
210841	36
210842	36
210842/E	50
210845	40
210849	41
210850	44
210853	44
210857	45
210865	45
210867	45
210869	45
210871	45
210979	37
210979/B	37
211060	234
211062	234
211064	234
211080	288
211198	211
211199	211
211200	211
211202	211
211203	211
211204	211
211206	211
211207	211
211208	211
211209	211
211210	211
211211	211
211212	212
211213	211
211214	211
211216	212
211217	211
211219	211
211221	212
211223	212
211225	212
211226	212
211228	212
211650	36
211652	36
211656	41
211657	35
211657/E	50
211658	41
211659	35
211659/E	50
211660	41
211662	41
211672	36
211672/E	50
211674	36
211676	36
211676/E	50
211678	36
211680	41
211682	42
211690	50
211692	50
211695	41
211708	288
211720	288
211722	288
211805	37
211810	37
211816	36
211818	37
211850	289
211852	289
211854	289
211856	289
211858	289
211860	289
211862	289
211864	289
211866	290
211868	290
211870	290
211872	290
211874	290
211875	290
211876	290
211880	290
211928	29
211928/1	29
211930	29
211930/1	29
211932	29
211934	29
211960	51
211962	51
211963	51
211964	51
211965	51
211968	51
211969	51
211970	51
211971	51
211972	51
211973	51
211974	51
211980	51
211981	51
211982	51
211985	51
211990	51
211991	51
211992	51
211993	51
211994	51
211995	51
211996	51
211997	51
211998	51
211999	51
212000	51
212005	35
212007	51
212008	51
212200	35
212206	35
212208	35
212210	35
212212	35
212214	35
212216	35
212218	35
212220	35
212222	35
212226	35
212228	35
212372	74
212376	74
212380	74
212382	74
212384	74
212388	74
212390	74
212392	74
212394	74
212396	74
212580	74
212581	74
212582	74
212583	74
212584	74
212585	74
212586	74
212587	74
212588	74
213000	45
213002	45
213004	45
213006	45
213008	45
213010	45
213012	45
213014	45
213020	46
213022	46
213024	46
213026	46
213028	46
213030	46
213032	46
213034	46
213036	46
213038	46
213040	46
213042	46
213044	46
213046	46
213048	46
213050	45
213078	48
213080	48
213080/E	49
213082	41
213082/E	41
213084	35
213084/E	35
213086	48
213086/E	49
213088	36
213090	40
213092	43
213094	42
213098	49
213098/E	49
213100	49
213102	49
213102/E	49
215000	52
215002	52
215004	52
215006	52
215008	52
215010	52
215012	52
215014	52
215016	52
215018	52
215020	52
215022	52
215024	52
215026	52
215028	52
215030	52
215032	52
215034	52
215036	52
215038	52
215040	52
215042	52
215044	52
215046	52
215048	52
215050	52
215100	53
215102	53
215104	53
215106	53
215108	53
215110	53
215112	53
215114	53
215116	53
215118	53
215120	53
215122	53
215124	53
215126	53
215128	53
215130	53
215142	53
215144	53
215146	53
215148	53
215150	53
215152	53
215154	53
215156	53
215164	53
215166	53
215168	53
215170	53
215172	53
215200	54
215201	54
215202	54
215203	54
215204	54
215205	54
215206	54
215207	54
215208	54
215210	54
215212	54
215214	54
215216	54
215218	54
215220	54
215222	54
215224	54
215226	54
215228	54
215230	54
215232	54
215234	54
215236	54
215238	54
215240	54
215242	54
215244	54
215246	54
215248	54
215250	54
215503	73
215511	73
215513	73
215641	61
215642	61
215643	61
215644	61
215645	61
215646	61
215648	61
215650	61
215651	61
215652	61
215653	61
215654	61
215655	61
215765	61
215770-1	61
215770/M-1	61
215800	62
215852	62
215854	62
215856	62
215858	62
215859	62
215860	62
215861	62
215862	62
215864	62
215866	62
215868	62
215869	62
215870	62
215872	62
215881-1	62
215881/M-1	62
215946	68
215980	68
216004	66
216005	67
216008	69
216008/V	69
216010	69
216010/V	69
216012	69
216012/V	69
216014	69
216014/V	69
216016	69
216016/V	69
216018	69
216018/V	69
216020	69
216020/V	69
216022	69
216022/V	69
216024	69
216024/V	69
216026	69
216026/V	69
216028	69
216028/V	69
216030	69
216030/V	69
216032	69
216032/V	69
216036	69
216038	69
216040	69
216042	69
216044	69
216046	69
216048	69
216050	69
216052	69
216054	69
216056	69
216060	69
216064	69
216065	69
216066	69
216067	69
216068	69
216069	69
216070	69
216071	69
216072	69
216074	69
216076	69
216078	69
216080	69
216082	69
216084	69
216086	69
216088	69
216090	69
216092	69
216094	69
216096	69
216098	69
216100	69
216112	70
216114	70
216116	70
216118	70
216120	70
216122	70
216123	70
216124	66
216125	67
216126	70
216128	70
216130	70
216132	70
216134	70
216136	70
216138	70
216140	70
216142	70
216148	70
216150	70
216152	70
216154	70
216156	70
216160	69
216162	69
216164	69
216166	69
216168	69
216170	69
216172	69
216174	69
216176	69
216178	69
216180	69
216182	69
216236	74
216250	74
216254	73
216304	75
216306	75
216308	75
216310	75
216312	75
216314	75
216316	75
216318	75
216320	75
216322	75
216324	75
216326	75
216328	75
216330	75
216332	75
216334	75
216336	75
216338	75
216340	75
216348	76
216352	76
216355	75
216357	76
216358	76
216359	84
216402	16
216404	16
216408	16
216410	16
216415	16
216416	17
216416/850	17
216417	17
216418-1	18
216419-1	18
216421	17
216422	19
216424	19
216428	19
216430	19
216434	18
216436	18
216503	68
216552	70
216554	70
216556	70
216562	70
216564	70
216566	70
216570	70
216574	70
216576	70
216578	70
216580	70
216582	70
216601	66
216622	67
216660	71
216660/B	72
216660/L	72
216661	72
216663-1	71
216663/M-1	71
216665	71
216666	72
216667-1	72
216667/M-1	72
216669-1	70
216669/M-1	70
216760-1	59
216761	59
216762	59
216763	59
216764	59
216765	59
216766	60
216767	60
216770	83
216772	84
216775	84
216776	83
216777	83
216778	83
216778/L	83
216779	83
216779/L	83
216780	83
216780/L	83
216781	83

Index

Art. no.	page
216781/L	83
216782	83
216782/L	83
216783	83
216783/L	83
216784	83
216784/L	83
216785	83
216785/L	83
216786	83
216786/L	83
216787	83
216787/L	83
216788	83
216788/L	83
216789	83
216789/L	83
216790	84
216791	84
216792	84
216793	84
216794	84
216800	63
216801-1	63
216801/H	395
216801/M-1	63
216802	64
216804	64
216806	64
216806/V	65
216807	64
216808	64
216808/V	65
216810	64
216810/V	65
216812	64
216812/V	65
216814	64
216814/V	65
216816	64
216816/V	65
216818	64
216818/V	65
216820	64
216820/V	65
216822	64
216822/V	65
216824	64
216824/V	65
216826	64
216826/V	65
216828	64
216828/V	65
216830	64
216830/V	65
216832	64
216834	64
216836	64
216838	64
216840	64
216842	64
216844	64
216846	64
216848	64
216850	64
216852	64
216854	64
216856	64
216878	65
216880	65
216882	65
216884	65
216886	65
216888	65
216890	65
216892	65
216894	65
216896	65
216898	65
216899	65
216926	65
216928	65
216930	65
216932	65
216934	65
216936	65
216938	65
216940	65
216942	65
216944	65
216946	65
216950	65
216952	65
216954	65
216956	65
216958	65
216960	65
216962	65
216964	65
216966	65
216968	65
216970	65
216972	65
217010	38
217020	38
217030	38
217040	38
217050	51
217052	51
217056	51
217058	51
217060	51
217062	51
217064	51
217066	51
217068	51
217070	51
217072	51
217074	51
217076	51
217078	51
217080	51
217082	51
217084	51
217086	51
217088	51
217090	51
217092	51
217094	51
217096	51
217098	51
217602	82
217604	82
217610	82
217612	82
217614	82
217616	82
217618	82
217620	82
217622	82
217630	82
217632	82
217634	82
217636	82
217638	82
217640	82
217642	82
217644	82
217646	82
217650	82
217652	82
217654	82
217660	82
217662	82
217664	82
217666	82
220006	345
220014	358
220016	345
220017	221
220022	358
220023	342
220024	358
220027	368
220028	342
220031	342
220033	382
220034	342
220035	382
220038	342
220040	375
220042	342
220043	379
220048	342
220052	358
220053	343
220054	359
220060	359
220061	344
220064	359
220066	359
220068	342
220070	359
220076	342
220079	383
220095	344
220103	343
220105	343
220110	359
220112	359
220123	212
220126	214
220128	287
220129	287
220130	358
220135	363
220136	381
220137	380
220140	363
220141	375
220142	359
220146	233
220147	229
220148	214
220152/1	361
220153	376
220154	360
220156	360
220168	362
220168/VDE	362
220169	361
220170	374
220171	373
220176	377
220177	379
220179	378
220192	378
220193	384
220205/EN	233
220211	346
220212	229
220213	346
220221	369
220224	343
220229	376
220232	371
220235	370
220239	380
220244	377
220248	342
220252	372
220254	372
220260	50
220263	384
220264	384
220265	343
220267	368
220268	369
220269	367
220272	374
220273	371
220280	347
220281	347
220282	347
220292	345
220293	355
220294	356
220298	356
220299	342
220303	381
220307	373
220309	370
220311	342
220313	345
220355	391
220356	391
220366	344
220368	344
220370	231
220372	388
220374	391
220375	391
220376	391
220377	391
220378	391
220379	390
220381	134
220382	114
220385	168
220386	168
220387	169
220388	169
220389	338
220390	114
220391	134
220392	393
220398	338
220399	391
220400	383
220402	226
220404	230
220410	226
220412	226
220413	395
220414	226
220415	226
220416	226
220418	226
220420	226
220422	226
220424	226
220426	226
220428	226
220430	226
220432	226
220434	226
220436	226
220438	226
220440	226
220450	230
220452	230
220454	230
220456	230
220458	230
220460	230
220462	230
220464	230
220466	230
220468	230
220470	230
220478	230
220480	230
220482	230
220484	230
220486	230
220488	230
220490	230
220492	230
220494	230
220500	350
220506	346
220510	351
220550	353
220556	353
220560	350
220573	345
220574	357
220575	357
220576	222
220577	222
220578	222
220579	222
220580	222
220581	222
220582	222
220583	222
220584	222
220585	222
220586	222
220587	222
220588	222
220589	222
220590	222
220591	222
220592	222
220593	222
220594	222
220600	278
220600/H	395
220602	392
220608	393
220612	231
220620	389
220622	389
220626	390
220628	389
220640	281
220640/H	394
220642	281
220642/H	394
220644	392
220650	249
220652	249
220653	388
220654	390
220655	390
220750	394
220770	389
220800	352
220802	351
220804	352
220810	354
220812	355
220814	354
221131	336
221133	384
221134	392
221135	392
221136	392
221137	392
221138	392
221277	348
221278	349
221279	349
221280	348
230010	318
230020	318
230020/CO	318
230030	318
230030/CO	318
230032	318
230032/CO	318
230040	318
230040/CO	318
230050	318
230050/CO	318
230060	318
230060/CO	318
230064	318
230064/CO	318
230066	318
230066/CO	318
230070	318
230070/CO	318
230080	318
230080/CO	318
230084	318
230084/CO	318
230090	318
230090/CO	318
230100	318
230100/CO	318
230110	318
230110/CO	318
230120	318
230120/CO	318
230130	318
230130/CO	318
230136	318
230136/CO	318
230140	318
230140/CO	318
230160	318
230160/CO	318
230170	318
230170/CO	318
230180	318
230180/CO	318
230190	318
230190/CO	318
230200	318
230200/CO	318
230204	318
230204/CO	318
230210	318
230210/CO	318
230220	318
230220/CO	318
230230	318
230230/CO	318
230240	318
230240/CO	318
230244	318
230244/CO	318
230250	318
230250/CO	318
230301/TIN	318
230312	318
230312/R	318
230312/TIN	318
230314	318
230314/R	318
230314/TIN	318
230330	319
230331	319
230332	319
230334	319
230336	319
230338	319
230340	319
230342	319
230344	319
230346	319
230352	319
230354	319
230356	319
230358	319
230360	319
230362	319
230364	319
230370	319
230372	319
230374	319
230376	319
230378	319
230380	319
230382	319
230395	320
230396	320
230397	320
230398	320
230400	319
230402	319
230404	319
230406	319
230408	319
230410	319
230412	319
230414	319
230430	320
230431	320
230432	320
230433	320
230434	320
230436	320
230438	320
230438/A	320
230438/B	320
230440	320
230442	320
230442/A	320
230444	320
230444/A	320
230448	320
230450	320
230450/A	320
230451	320
230453	320
230454	320
230456	320
230457	320
230458	320
230459	320
230460	320
230460/A	320
230461	320
230464	320
230466	320
230467	320
230473	320
230474	320
230475	320
230478/1	320
230479	320
230616	319
230618	319
230620	319
230622	319
230626	319
230628	319
230630	319
230634	319

Art. no.	page
230636	319
230676	323
230676/K	323
230677	323
230677/K	323
230679	323
230681/K	323
230682	330
230683	330
230689	324
230691	324
230701	324
230702	324
230704	324
230705	324
230706	324
230708	324
230709	324
230711	324
230714	324
230720	324
230721	324
230722	324
230723	324
230725	324
230727	324
230731	324
230732	319
230734	319
230736	319
230738	319
230740	319
230742	319
230746	319
230800	331
230802	331
230804	331
230806	331
230808	331
230810	331
230812	331
230814	331
230816	331
230818	331
230820	331
230822	331
230824	331
230826	331
230828	331
230830	331
230832	331
230834	331
230836	331
230838	331
230840	331
230842	331
230844	331
230846	331
230848	331
230850	331
230852	331
230854	331
230856	331
230858	331
230860	331
230862	331
230864	331
230866	331
230868	331
230870	331
230885/K	323
230886/K	323
230900	320
230902	320
230904	320
230906/1	320
230908	320
230910	320
230912	320
230914	320
230916	320
230918	320
230920	320
230922	320
230924	320
230926	320
230928	320
230930/1	320
230932	320
230934	320
230936	320
230938	320
230940	320
230942	320
230944	320
230946	320
230948	320
230950	320
230952	320
230954/1	320
230956	320
230958	320
230960	320
230962/1	320
230964	320
230966	320
230968	320
230970	320
230972	320
230974	320
230976	320
230978	320
230979	320
230982	330
230984	330
230986	330
230988	330
231050	331
231052	331
231054	331
231056	331
231058	331
231060	331
231062	331
231064	331
231070	331
231072	331
231074	331
231076	331
231080	331
231082	331
231280	332
231282	332
231300	322
231301	322
231302	322
231304	322
231305	322
231306	322
231307	322
231312	322
231319	321
231320	321
231322	321
231324	321
231326	321
231327	321
231330	322
231336	321
231338	321
231340	321
231342	321
231350	321
231352	321
231354	321
231502	319
231508	319
231516	319
231524	319
231526	319
231528	319
231530	319
231532	319
231534	319
231540	319
231544	319
231546	319
231700	319
231702	319
231704	319
231706	319
231708	319
231710	319
231712	319
231714	319
231716	319
231718	319
231750	319
231752	319
231754	319
231756	319
231758	319
231760	319
231766	319
231803	326
231900	326
231901/21	326
231902	326
231904	326
231904/29	326
231906	326
231908	326
231910	326
231912	326
231912/38	326
231914	326
231914/46	326
231916	326
231918	326
231920	326
231922	326
231924	326
231926	326
231928	326
231929	326
231930	326
231931	326
231932	326
231934	326
231936	326
231938	326
231939/111	326
231940	326
231940/127	326
231940/152	326
231940/210	326
231942	325
231944	325
231946	325
231950	325
231952	325
231954	325
231956	325
231958	325
231960	325
231962	325
231964	325
231966	325
231968	325
231970	325
231972	325
231974	325
231976	325
231978	325
231980	325
231982	325
231984	328
231998	327
231999	327
232007	327
240002	298
240005	298
240011	298
240012	298
240013	298
240018	298
240020	298
240022	298
240024	298
240041	298
240042	298
240044	298
240046	298
240048	298
240057	234
240058	234
240059	298
240061	298
240071	299
240073	299
240132	299
240134	299
240136	299
240138	299
240152	299
240154	299
240156	299
240158	299
240160	299
240234	299
250040	186
250042	186
250044	186
250046	186
250048	186
250050	186
250052	186
250054	186
250056	186
250058	186
250060	186
250062	186
250064	186
250066	186
250068	186
250070	186
250072	186
250074	186
250076	186
250078	186
250080	186
250082	186
250084	186
250086	186
250088	186
250090	186
250092	186
250094	186
250096	186
250098	186
250100	186
250102	186
250104	186
250106	186
250108	186
250110	186
250112	186
250114	186
250116	186
250118	186
250120	187
250122	187
250124	187
250126	187
250128	187
250130	187
250132	187
250140	187
250142	187
250144	187
250146	187
250148	187
250150	187
250152	187
250160	187
250162	187
250164	187
250166	187
250168	187
250170	187
250172	187
250174	187
250176	187
250178	187
250180	187
250182	187
250184	187
250186	187
250188	187
250190	187
250192	187
250194	187
250196	187
250198	187
250200	187
250202	187
250204	187
250206	187
250208	187
250210	187
250212	187
250214	187
250216	187
250218	187
250220	187
250222	187
250224	187
250226	187
250228	187
250230	187
250600	188
250602	188
250604	188
250606	188
250608	188
250610	188
250611	188
250612	188
250614	188
250630	188
250632	188
250634	188
250636	188
250638	188
250640	188
250642	188
250644	188
250646	188
250648	188
250650	189
250652	189
250654	189
250656	189
250658	189
250660	189
250661	189
250662	189
250664	189
250666	189
250668	189
250670	189
250672	189
250674	189
250676	189
250678	189
250680	189
250682	189
250684	189
260243	117
260245	117
260246	117
260247	117
260248	117
260250	117
260252	117
260254	117
260256	117
260256/10	121
260258	117
260258/10	121
260260	117
260262	117
260264	117
260267	117
260268	117
260270	117
260270/10	121
260272	117
260272/10	121
260274	117
260274/10	121
260276	117
260278	117
260282	117
260284	117
260286	117
260288	117
260288/10	121
260290	117
260290/10	121
260292	117
260300	117
260302	117
260304	117
260304/10	121
260306	117
260306/10	121
260308	117
260310	117
260312	117
260314	117
260314/10	121
260316	117
260316/10	121
260318	117
260320	117
260322	117
260324	117
260324/10	121
260326	117
260328	117
260330	117
260331	117
260332	117
260333	117
260334	117
260335	117
260336	120
260337	120
260338	120
260350	118
260350/10	121
260352	118
260352/10	121
260354	118
260354/10	121
260360	118
260362	118
260364	118
260370	118
260371	118
260372	118
260373	118
260374	118
260376	118
260380	118
260382	118
260384	118
260386	118
260386/10	122
260388	118
260390	118
260390/10	122
260392	118
260392/10	122
260394	118
260394/10	122
260396	118
260396/10	122
260400	118
260402	118
260404	118
260410	119
260411	119
260412	119
260414	119
260414/10	122
260415	119
260416	119
260416/10	122
260417	119
260418	119
260422	119
260422/10	122
260424	119
260424/10	122
260426	119
260426/10	122
260427	126
260428	126
260430	126
260431	126
260440	120
260442	120
260442/10	122
260443	120
260444	120
260446	119
260448	119
260448/10	122
260449	119
260450	119
260500	120
260502	120
260504	120
260510	119
260512	119
260514	119
260516	119
260516/10	122
260518	119
260520	119

Index

Art. no.	page
260520/10	122
260650	123
260651	123
260654	123
260656	123
260658	123
260660	123
260662	123
260664	123
260665	123
260666	123
260667	123
260670	123
260672	123
260674	123
260676	123
260678	123
260682	123
260684	123
260686	123
260688	123
260690	123
260692	123
260700	123
260702	123
260704	123
260706	123
260708	123
260710	123
260712	123
260714	123
260716	123
260718	123
260721	123
260722	123
260724	123
260726	123
260728	123
260730	123
260731	123
260732	123
260733	123
260734	123
260735	123
260750	124
260752	124
260754	124
260762	133
260764	133
260765	133
260770	124
260771	124
260772	124
260773	124
260774	124
260777	133
260858	144
260860	144
260862	144
260863	144
260902	144
260904	144
260906	144
260908	144
260910	144
260912	144
260914	144
260916	144
260918	144
260920	144
260922	144
260924	144
260926	144
260928	144
260930	144
260932	144
260934	144
260936	144
260938	144
260940	144
260942	144
260944	144
260946	144
260948	144
260950	144
260952	144
260954	144
260956	144
260960	144
260962	144
260964	144
260966	144
260968	144
260970	144
260972	144
260974	144
260976	144
260978	144
260980	144
260982	144
260984	144
262030	178
262031	178
262032	178
262033	178
262034	178
262035	178
262036	178
262037	178
262048	133
262060	178
262062	178
262064	178
262066	178
262068	178
262069	178
262085	193
262086	193
262087	193
262088	193
262089	193
262090	193
262097	196
262098	196
262100	173
262101	173
262102	173
262106	173
262108	173
262110	173
262114	173
262116	173
262120	173
262122	173
262124	173
262126	173
262128	173
262130	173
262132	173
262134	173
262136	173
262140	175
262142	175
262144	175
262151	177
262152	177
262154	177
262158	177
262159	180
262160	177
262161	177
262162	177
262163	177
262164	177
262165	177
262170	177
262172	177
262179	176
262180	176
262181	176
262182	176
262183	176
262184	176
262185	176
262186	176
262187	176
262188	176
262189	176
262190	176
262191	176
262200	182
262202	182
262204	182
262206	182
262208	182
262209	182
262210	182
262212	182
262214	182
262215	182
262216	182
262218	182
262219	182
262220	182
262222	182
262223	182
262224	182
262226	182
262227	182
262228	182
262230	182
262231	182
262232	182
262234	182
262235	182
262236	182
262238	182
262240	182
262242	182
262243	182
262244	182
262245	182
262246	182
262247	182
262248	182
262249	182
262254	183
262256	183
262258	183
262260	183
262262	183
262264	183
262266	183
262268	183
262270	183
262272	183
262274	183
262276	183
262278	183
262280	183
262282	183
262284	183
262286	183
262288	183
262290	183
262292	183
262294	183
262296	183
262298	183
262300	183
262302	183
262304	183
262306	183
262308	183
262310	183
262500	172
262500/1	172
262501	173
262502	172
262503	173
262504	172
262505	173
262506	172
262507	173
262508	172
262509	173
262509/1	172
262510	172
262510/1	172
262511	173
262512	172
262512/1	172
262513	173
262515	172
262516	172
262517	173
262518	172
262520	172
262522	172
262523	172
262528	172
262530	172
262532	172
262535	172
262536	172
262537	172
262538	172
262540	172
262542	172
262543	172
262545	172
262546	172
262547	172
262600	173
262600/1	173
262602	173
262604	173
262606	173
262608	173
262609/1	173
262610	173
262610/1	173
262612/1	173
262615	173
262616	173
262618	173
262620	173
262622	173
262623	173
262628	173
262630	173
262632	173
262635	173
262636	173
262637	173
262638	173
262640	173
262642	173
262643	173
262645	173
262646	173
262647	173
262700	175
262702	175
262704	175
262710	175
262750	178
262752	178
262754	178
262756	178
262758	178
262760	178
262762	178
262764	178
262766	178
262768	178
262782	178
262820	175
262822	175
262824	175
262826	175
262828	175
262830	175
262832	175
262834	175
262840	175
262842	175
262844	175
262846	175
262848	175
262850	175
262940/125	180
262940/152	180
262940/200	180
262940/250	180
262940/300	180
262940/360	180
262940/520	180
262942/125	180
262942/152	180
262942/200	180
262942/250	180
262942/300	180
262942/360	180
262942/520	180
262950	173
262950/1050	180
262950/152	180
262950/200	180
262950/300	180
262950/360	180
262950/520	180
262950/680	180
262950/840	180
262952	173
262952/1050	180
262952/152	180
262952/200	180
262952/300	180
262952/360	180
262952/520	180
262952/680	180
262952/840	180
262954	173
262956	173
262958	173
262960	173
262960/1000	180
262960/1200	180
262960/290	180
262960/360	180
262960/520	180
262960/680	180
262960/840	180
262962	173
262962/1000	180
262962/1200	180
262962/290	180
262962/360	180
262962/520	180
262962/680	180
262962/840	180
262964	173
262966	173
262968	173
262970	173
262970/1100	180
262970/1315	180
262972	173
262974	173
262976	173
262978	173
262980	173
263000	174
263004	174
263006	174
263008	174
263010	174
263012	174
263020	174
263022	174
263024	174
263026	174
263028	174
263030	174
263050	174
263056	174
263058	174
263064	174
263066	174
263100	174
263102	174
263104	174
263106	174
263108	174
263110	174
263112	174
263200	174
263204	174
263208	174
263360	124
263362	124
263364	124
263380	124
263382	124
263384	124
263386	124
263388	124
263392	124
263393	124
263394	124
263396	124
263400	124
263402	124
263404	124
263410	125
263412	125
263413	125
263414	125
263415	125
263416	125
263417	125
263418	125
263422	125
263424	125
263426	125
263440	125
263442	125
263443	125
263444	125
263446	126
263448	126
263449	126
263450	126
263451	125
263452	125
263453	125
263456	125
263510	125
263512	125
263514	125
263516	125
263518	125
263520	125
263800	198
263802	198
263804	198
263806	198
263808	198
263810	198
263812	198
263814	198
263816	198
263818	198
263820	198
263822	198
263824	198
263826	198
263828	198
263830	198
263832	198
263834	198
263836	198
263838	198
263840	198
263842	198
263844	198
263846	198
263848	198
263850	198
263852	198
263854	198
263856	198
263858	198
263860	198
263861	198
263862	198
263864	198
263866	198
263868	198
263870	198
263872	198
263874	198
263876	198
263878	198
263880	198
263882	198
263884	198
263886	198
263888	198
263890	198
263892	198
263894	198
263896	198
263898	198
263900	198
263902	198
263904	198
263906	198
263908	198
263910	198
263912	198
263914	198
263916	198
263918	198
263920	198
263930	199
263940	199
265013	102
265014	102
265015	102
265016	102

We reserve the right to amendment products and/or prices at any time. Our general terms and conditions are essential.

Art. no.	page
265017	102
265033	102
265034	102
265035	102
265036	102
267000	193
267002	193
267004	193
267006	193
267008	193
267010	193
267012	193
267014	193
267016	193
267018	193
267020	193
267022	193
267024	193
267026	193
267028	193
267030	193
267032	193
267034	193
267036	193
267038	193
267040	193
267042	193
267044	193
267046	193
267048	193
267050	193
267052	193
267054	193
267056	193
267058	193
267060	193
267062	193
267064	195
267066	195
267068	195
267070	195
267074	195
267078	195
267080	195
267084	195
267088	195
267090	195
267092	195
267094	195
267096	195
267098	195
267100	195
267102	195
267104	195
267106	195
267108	195
267110	195
267112	195
267114	195
267116	195
267118	195
267120	195
267132	193
267134	193
267136	193
267138	193
267140	193
267142	193
267144	193
267146	193
267200	192
267202	192
267204	192
267206	192
267250	194
267252	194
267254	194
267256	194
267258	194
267260	194
267262	194
267264	194
267266	194
267268	194
267272	194
267274	194
267276	194
267278	194
267280	194
267282	194
267284	194
267286	194
267288	194
267292	194
267294	194
267296	194
267298	194
267300	194
267302	194
267304	194
267306	194
267308	194
267312	194
267314	194
267316	194
267318	194
267320	194
267322	194
267324	194
267326	194
267328	194
267332	194
267334	194
267336	194
267338	194
267340	194
267342	194
267344	194
267346	194
267348	194
267352	194
267354	194
267356	194
267358	194
267360	194
267362	194
267364	194
267366	194
267368	194
267372	194
267374	194
267376	194
267378	194
267380	194
267382	194
267384	194
267386	194
267388	194
267392	194
267394	194
267396	194
267398	194
267400	194
267402	194
267404	194
267406	194
267408	194
267430	194
267432	194
267434	194
267436	194
267438	194
267440	194
267442	194
267444	194
267446	194
267448	194
267450	194
267452	194
267460	196
267462	196
267464	196
267466	196
267468	196
267470	196
267472	196
267500	196
267502	196
267506	196
267508	196
267510	196
267512	196
267514	196
270014	108
270015	108
270016	108
270021	108
270022	108
270027	108
270028	108
270029	108
270030	108
270031	108
270032	108
270033	108
270034	108
270036	108
270038	108
270040	108
270042	108
270044	108
270046	108
270048	108
270049	108
270050	108
270066	105
270066/500	105
270068	105
270068/500	105
270070	105
270070/500	105
270072	105
270072/500	105
270074	105
270074/500	105
270076	105
270077	105
270078	105
270078/500	105
270079	105
270079/500	105
270080	105
270082	105
270082/500	105
270084	105
270084/500	105
270086	105
270086/500	105
270087	105
270088	105
270089	105
270089/500	105
270090	105
270090/500	105
270091	105
270091/500	105
270092	105
270092/500	105
270093	105
270093/500	105
270094	105
270096	105
270097	105
270098	105
270100	105
270102	105
270104	105
270106	105
270107	105
270108	105
270110	105
270112	105
270114	105
270116	105
270118	105
270119	105
270120	105
270121	105
270122	105
270123	105
270124	105
270126	105
270128	105
270130	105
270131	105
270132	105
270134	105
270135	105
270136	105
270137	105
270140	104
270140/500	104
270141	104
270142	104
270142/500	104
270143	104
270143/500	104
270144	104
270146	104
270146/500	104
270148	104
270148/500	104
270149	104
270149/500	104
270150	104
270150/500	104
270152	104
270152/500	104
270154	104
270154/500	104
270156	104
270156/500	104
270158	104
270158/500	104
270159	104
270159/500	104
270160	104
270160/500	104
270164	104
270164/500	104
270166	104
270166/500	104
270168	104
270168/500	104
270170	104
270172	104
270174	104
270176	104
270178	104
270180	104
270182	104
270184	104
270186	104
270188	104
270190	104
270192	104
270194	104
270195	104
270196	104
270198	104
270217	111
270218	111
270714	108
270715	108
270716	108
270719	108
270720	108
270721	108
270722	108
270723	108
270724	108
270725	108
270726	108
270727	108
270728	108
270738	108
270740	108
270742	108
270744	108
270746	108
270748	108
270750	108
270754	108
270756	108
270758	108
270760	108
270762	108
270778	109
270778/25	110
270780	109
270780/25	110
270782	109
270784	109
270784/25	110
270787	109
270788	109
270788/25	110
270790	109
270792	109
270792/25	110
270794	109
270795	111
270796	109
270796/10	110
270797	109
270797/10	110
270798	109
270799	109
270799/5	110
270800	106
270800/25	110
270801	106
270802	106
270803	106
270803/25	110
270804	106
270804/25	110
270805	106
270806	106
270807	106
270808	106
270808/25	110
270809	106
270810	106
270810/25	110
270811	106
270812	106
270813	106
270814	106
270814/25	110
270815	106
270816	106
270818	106
270818/10	110
270820	106
270822	106
270822/10	110
270824	106
270826	106
270826/10	110
270828	106
270830	106
270830/5	110
270832	106
270834	106
270836	106
270836/5	110
270838	106
270840	106
270842	106
270844	106
270850	111
270852	111
270854	111
270856	111
270858	111
270864	112
270866	112
270870	111
270882	113
270882/DIN	113
270888	112
270890	112
270891	112
270892	112
270893	112
270894	113
270895	113
270896	113
270897	113
270899	113
270900	109
270902	109
270904	109
270906	109
270908	109
270910	109
270912	109
270914	109
272250	107
272254	107
272260	107
272264	107
272268	107
272280	107
272284	107
272290	107
272294	107
272298	107
272721	108
272723	108
272725	108
272803	106
272804	106
272812	106
273350	110
273352	110
273354	110
273356	110
273358	110
273360	110
273362	110
273364	110
273366	110
273368	110
273392	110
273394	110
273396	110
280000	136
280000/20	140
280004	136
280004/20	140
280008	136
280008/20	140
280012	136
280016	136
280020	136
280030	136
280034	136
280038	136
280042	136
280046	136
280050	136
280060	136
280064	136
280070	136
280074	136
280080	137
280084	137
280084/20	140
280090	137
280094	137
280100	137
280100/20	140
280101	138
280104	137
280104/20	140
280105	138
280110	137
280111	138
280114	137
280115	138
280120	138
280124	138
280128	138
280132	138
280136	138
280140	138
280150	138
280154	138
280158	138
280162	138
280166	138
280170	138
280180	139
280182	139
280184	139
280186	139
280188	139
280190	139
280192	139
280194	139
280196	139
280198	139
280200	139
280202	139
280204	139
280206	139
280208	139
280210	139
280212	139
280214	139
280460	139
280482	139
280490	139
280512	139
280520	139
280542	139
280550	139
280572	139
280580	139
280582	139

Index

Art. no.	page
290001	155
290003	155
290004	150
290005	155
290006	150
290006/90	151
290007	155
290008	150
290008/90	151
290009	150
290010	150
290010/90	151
290011	155
290012	150
290013	155
290014	150
290014/90	151
290015	155
290016	150
290016/90	151
290017	150
290018	150
290018/90	151
290019	155
290020	150
290020/90	151
290021	155
290022	150
290022/90	151
290023	150
290024	150
290024/90	151
290025	155
290026	150
290027	155
290028	150
290028/90	151
290029	150
290030	150
290030/90	151
290031	155
290033	155
290034	150
290035	155
290036	150
290037	155
290038	150
290039	155
290040	150
290041	150
290042	155
290043	150
290044	155
290045	150
290046	150
290047	150
290048	150
290049	155
290050	155
290051	155
290052	155
290053	155
290054	155
290055	155
290056	155
290057	155
290058	155
290059	155
290060	155
290061	155
290063	155
290064	155
290065	155
290066	155
290067	155
290068	155
290069	155
290070	155
290071	155
290072	155
290073	155
290074	155
290075	155
290076	155
290077	155
290078	155
290079	155
290080	155
290081	155
290082	155
290083	155
290084	155
290250	154
290252	154
290254	154
290256	154
290258	154
290260	154
290262	154
290264	154
290266	154
290268	154
290270	154
290272	154
290276	154
290278	154
290280	154
290282	154
290284	154
290286	154
290288	154
290290	154
290292	154
290294	154
290296	154
290300	154
290302	154
290304	154
290306	154
290308	154
290310	154
290316	154
290318	154
290320	154
290322	154
290324	154
290326	154
290328	154
290330	154
290332	154
290334	154
290336	154
290338	154
290350	154
290352	154
290354	154
290356	154
290358	154
290360	154
290362	154
290364	154
290366	154
290368	154
290370	154
290372	154
290374	154
290380	167
290382	167
290404	157
290404/10	158
290406	157
290406/10	158
290408	157
290410	157
290410/10	158
290412	157
290412/10	158
290414	157
290416	157
290416/10	158
290418	157
290418/10	158
290420	157
290420/10	158
290422	157
290424	157
290426	157
290426/10	158
290428	157
290428/10	158
290430	157
290432	157
290434	157
290434/10	158
290436	157
290436/10	158
290438	157
290440	157
290442	157
290444	157
290446	157
290448	157
290450	157
290452	157
290454	157
290456	157
290458	157
290460	157
290462	157
290464	157
290466	157
290468	157
290470	157
290472	157
290474	157
290476	157
290478	157
290480	157
290482	157
290484	157
290486	157
290488	157
290490	157
290492	157
290494	157
290496	157
290498	157
290516	157
290518	157
290520	157
290522	157
290550	159
290552	159
290554	159
290556	159
290558	159
290560	159
290561	158
290562	158
290563	158
290564	158
290565	158
290566	158
290567	158
290568	158
290569	158
290570	158
290571	158
290572	158
290617	143
290619	143
290620	143
290621	143
290622	143
290623	143
290624	143
290625	143
290626	143
290627	143
290628	143
290630	143
290632	143
290634	143
290635	143
290636	143
290637	143
290646	143
290648	143
290650	143
290652	143
290654	143
290656	143
290658	143
290660	143
290662	143
290663	143
290664	143
290666	143
290668	143
290670	143
290672	143
290676	143
290678	143
290680	143
290682	143
290684	143
290686	143
290688	143
290690	143
290692	143
290694	143
290696	143
290698	143
290700	143
290701	143
290702	143
290704	143
290707	143
290708	143
290710	143
290712	143
290713	143
290714	143
290716	143
290717	143
290718	143
290719	143
290720	143
290721	143
290730	145
290731	145
290732	145
290734	145
290735	145
290736	145
290738	145
290739	145
290740	145
290742	145
290744	145
290746	145
290748	145
290750	145
290751	145
290752	145
290754	145
290756	145
290770	145
290771	145
290773	145
290775	145
290776	145
290777	145
290778	145
290780	145
290782	145
290784	145
290786	145
290788	145
290800	153
290801	153
290802	153
290804	153
290806	153
290810	153
290812	153
290814	153
290816	153
290818	153
290820	153
290822	153
290824	153
290826	153
290830	153
290832	153
290834	153
290836	153
290840	153
290842	153
290844	153
290846	153
290848	153
290850	153
290852	153
290854	153
290856	153
290858	153
290860	153
290862	153
290864	153
290866	153
290868	153
290870	153
290872	153
290874	153
290876	153
290878	153
290880	153
290882	153
290884	153
290886	153
290900	149
290902	149
290904	149
290906	149
290908	149
290910	149
290912	149
290914	149
290916	149
290918	149
290920	149
290922	149
290924	149
290926	149
290928	149
290930	149
290932	149
290932/90	150
290934	149
290934/90	150
290936	149
290936/90	150
290938	149
290938/90	150
290940	149
290940/90	150
290942	149
290942/90	150
290944	149
290944/90	150
290946	149
290948	149
290948/90	150
290950	149
290950/90	150
290952	149
290952/90	150
290954	149
290954/90	150
290956	149
290956/90	150
290958	149
290958/90	150
290960	149
290960/90	150
290962	149
290962/90	150
290964	149
290964/90	150
290966	149
290966/90	151
290968	149
290968/90	151
290970	149
290970/90	151
290972	149
290972/90	151
290974	149
290976	149
290976/90	151
290978	149
290978/90	151
290980	149
290980/90	151
290982	149
290982/90	151
290984	149
290985	149
290986	149
290986/90	151
290988	149
290988/90	151
290990	149
290990/90	151
290991	149
290992	149
290992/90	151
290994	149
290994/90	151
290996	149
290996/90	151
290998	149
290998/90	151
290999	149
291000	149
291000/90	151
291002	149
291002/90	151
291004/90	151
291050	151
291052	151
291054	151
291056	151
291058	151
291060	151
291062	151
291064	151
291066	151
291068	151
291070	151
291072	151
291074	151
291076	151
291078	151
291080	151
291082	151
291084	151
291090	146
291092	146
291096	146
291098	146
291100	146
291102	146
291104	146
291106	146
291108	146
291110	146
291112	146
291114	146
291119	146
291120	146
291124	146
291126	146
291128	146
291130	146
291132	146
291134	146
291136	146
291138	146
291140	146
291142	146
291330	152
291332	152
291334	152
291336	152
291338	152
291340	152
291342	152
291344	152
291348	152
291350	152
291352	152
291354	152
291356	152
291358	152
291360	152
291370	152
291372	152
291374	152
291376	152
291378	152
291380	152
291382	152
291384	152
291386	152
291388	152
291390	152
291392	152
291394	152
291396	152
291398	152
291440	156
291442	156
291444	156
291446	156
291448	156
291450	156
291452	156
291454	156
291456	156
291458	156

We reserve the right to amendment products and/or prices at any time. Our general terms and conditions are essential.

Art. no.	page	Art. no.	page	Art. no.	page	Art. no.	page	Art. no.	page	Art. no.	page	Art. no.	page
291460	156	291774	159	293132	166	293974	163	294206	148	363546	132	393016	303
291462	156	291776	159	293134	166	293976	163	294208	148	363548	132	393018	303
291464	156	291778	159	293136	166	293978	163	294210	148	363550	132	393020	303
291520	156	291780	159	293138	166	294000	147	294212	148	363552	132	393022	303
291521	160	291782	159	293140	166	294002	147	294214	148	363554	132	393024	303
291522	156	292560	161	293142	166	294004	147	294218	148	363556	132	393026	303
291523	160	292562	161	293144	166	294006	147	294220	148	363558	132	393028	304
291524	156	292564	161	293146	166	294008	147	294222	148	363600	132	393030	304
291525	160	292566	161	293148	166	294010	147	294224	148	363602	132	393032	303
291526	156	292568	161	293150	166	294012	147	294226	148	363604	132	393034	302
291527	160	292570	161	293152	166	294014	147	294228	148	363606	132	393036	302
291528	156	292572	161	293154	166	294016	147	294230	148	363607	132	393038	302
291529	160	292574	161	293156	166	294018	147	294232	148	363608	132	393040	302
291530	156	292580	161	293300	163	294020	147	294234	148	370256	129	393104	246
291531	160	292582	161	293302	163	294022	147	300033	46	370258	129	393106	248
291532	156	292584	161	293304	163	294024	147	300102	303	370270	129	393150	305
291533	160	292586	161	293306	163	294026	147	300115	303	370272	129	393152	305
291534	156	292588	161	293308	163	294028	147	300116	399	370274	129	393154	305
291535	160	292590	161	293310	163	294034	147	300117	304	370288	129	393156	305
291536	156	292592	161	293312	163	294036	147	300228	248	370290	129	790005	334
291537	160	292596	161	293314	163	294038	147	300229	248	370304	129	790006	334
291538	156	292598	161	293316	163	294040	147	300294/EN	233	370314	129	790008	334
291539	160	292600	161	293318	163	294044	147	300295/EN	233	370322	129	790015	334
291540	156	292770	162	293320	163	294046	147	300296/EN	229	370350	129	790016	334
291541	160	292772	162	293322	163	294048	147	300297/EN	233	370352	129	790017	334
291542	156	292774	162	293324	163	294050	147	300298/EN	229	370354	129	790018	334
291543	160	292776	162	293326	163	294052	147	300299/EN	229	370392	129	790027	334
291544	156	292778	162	293328	163	294054	147	300302/EN	229	370394	129	790029	334
291545	160	292780	162	293330	163	294056	147	300303/EN	233	370396	129	790030	334
291546	156	292782	162	293332	163	294058	147	300305/EN	229	370414	130	790031	334
291547	160	292784	162	293334	163	294060	147	300306/EN	233	370416	130	790040	334
291548	156	292786	162	293336	163	294062	147	300310/EN	228	370422	130	790041	334
291549	160	292788	162	293338	163	294064	147	300312/EN	232	370424	130	790043	334
291550	156	292790	162	293542	163	294066	147	300322	24	370426	130	790051	334
291551	160	292792	162	293544	163	294068	147	300420	248	392010	327	790053	334
291552	156	292794	162	293546	163	294070	147	340256	127	392012	327	790054	334
291553	160	292796	162	293548	163	294080	147	340258	127	392014	327	790055	334
291554	156	292798	162	293550	163	294082	147	340270	127	392016	327	790056	334
291555	160	292800	162	293552	163	294084	147	340272	127	392018	327	790063	334
291700	159	292802	162	293554	163	294086	147	340274	127	392020	327	790064	334
291702	159	292804	162	293556	163	294088	147	340288	127	392022	327	790065	334
291704	159	292806	162	293558	163	294094	147	340290	127	392024	327	790079	334
291706	159	292808	162	293578	164	294096	147	340304	127	392026	327	790090	334
291708	159	292810	162	293582	164	294098	147	340314	127	392028	327	790091	334
291710	159	292812	162	293584	164	294100	147	340322	127	392050	326	790093	334
291712	159	292814	162	293598	164	294102	147	340350	127	392052	326	790100	334
291714	159	292816	162	293600	164	294106	147	340352	127	392054	326	790101	334
291716	159	292818	162	293606	164	294108	147	340354	127	392056	326	790102	334
291718	159	292820	162	293608	164	294110	147	340392	127	392058	326	790103	334
291720	159	292822	162	293610	164	294112	147	340394	127	392060	326	790104	334
291722	159	292824	162	293622	164	294114	147	340396	127	392062	326	790111	334
291724	159	292904	162	293624	164	294118	147	340414	128	392064	326	790112	334
291726	159	292906	162	293626	164	294120	147	340416	128	392066	326	790113	334
291728	159	292908	162	293634	164	294122	147	340422	128	392070	326	790118	334
291730	159	292910	162	293636	164	294124	147	340424	128	392072	326	790120	334
291732	159	292912	162	293638	164	294128	147	340426	128	392100	325	790121	334
291734	159	292914	162	293652	164	294130	147	363500	131	392102	325	790210	334
291736	159	292916	162	293654	164	294132	147	363500/10	132	392104	325	790211	334
291738	159	292918	162	293656	164	294134	147	363502	131	392106	325	790212	334
291740	159	292920	162	293664	164	294138	147	363502/10	132	392108	325	790212/V	334
291742	159	292922	162	293666	164	294140	147	363504	131	392110	325	790222	334
291744	159	292924	162	293678	164	294142	147	363504/5	132	392112	325	790223	334
291746	159	292926	162	293680	164	294144	147	363510	131	392114	325	790223/V	334
291748	159	292928	162	293688	164	294150	148	363512	131	392116	325	790224	334
291750	159	292930	162	293690	164	294152	148	363514	131	392118	325	790224/V	334
291752	159	292932	162	293810	164	294154	148	363520	131	392120	325	790225	334
291754	159	292934	162	293812	164	294160	148	363522	131	392122	325	790235	334
291756	159	292936	162	293814	164	294162	148	363524	131	392124	325	790235/V	334
291758	159	292938	162	293816	164	294164	148	363530	132	393000	302	790236	334
291760	159	292940	162	293960	163	294174	148	363532	132	393002	302	790237	334
291762	159	292942	162	293962	163	294176	148	363534	132	393004	302	790303	335
291764	159	292944	162	293964	163	294184	148	363536	132	393006	302	790311	335
291766	159	292946	162	293966	163	294196	148	363538	132	393008	302	790325	335
291768	159	292948	162	293968	163	294200	148	363540	132	393010	302	790326	335
291770	159	292950	162	293970	163	294202	148	363542	132	393012	302	790327	335
291772	159	293130	166	293972	163	294204	148	363544	132	393014	303	790329	335

Index

Art. no.	page
790332	335
790333	335
790334	335
790335	335
790411	335
790413	335
790416	335
790417	335
790419	335
790422	335
790423	335
790424	335
790426	335
790428	335
790432	335
790433	335
790434	335
790436	335
790450	335
790452	335
790454	335
790456	335
790470	335
790500	335
790502	335
790504	335
790510	335
790512	335
790514	335
790516	335
790540	335
790542	335
790544	335
790562	335
790564	335
790566	335
790588	335
790592	335
790616	335
790618	335
790700	335
790702	335
790704	335
790706	335
790710	335
790712	335
790714	335
790716	335
790721	335
790722	335
790724	335
790726	335
790806	335
790808	335
790832	335
790834	335
790837	335
790862	335
790864	335
790867	335
790882	335
790884	335
790888	335
790900	334
790902	334
790920	334
790922	334
792000	336
792001	336
792002	336
792003	336
792005	336
792006	336
792008	336
792600	336
792602	336

Art. no.	page
792603	336
792604	336
792606	336
792607	336
792650	336
792651	336
792652	336
792654	336
792656	336
792658	336
792756	336
792758	336
792760	336
792762	336
792802	336
792804	336
792806	337
792810	337
792816	337
793005	334
793006	334
793007	334
793008	334
793027	334
793029	334
793030	334
793031	334
793040	334
793041	334
793043	334
793051	334
793053	334
793054	334
793055	334
793064	334
793065	334
793099	334
793100	334
793101	334
793102	334
793103	334
793104	334
793111	334
793112	334
793113	334
793118	334
793120	334
793121	334
793125	334
794002	339
794004	339
794012	339
794014	339
794016	339
794018	339
794020	339
794022	339
794024	339
794026	339
794028	339
794030	339
794040	339
794050	340
794052	340
794060	340
794062	340
794070	340

A	sleeve length
Al	aluminium
B	flange width
BL	blade length
c	flange length
c1	flange length 1
c2	flange length 2
CL	cutting length
Col.	colour
Cont.	content
crimp	crimping range
crimp coaxial	crimping range coaxial
crimp modular	crimping range modular
CSS	cross-section in mm
CSS rm/sm	cross-section rm/sm
CSS/red.	conductor cross-section reduced
Cu	copper
CW	cutting width
d1	internal diameter
d1/red.	internal diameter reduced
d2	hole diameter
d4	external diameter
depth (D)	depth in mm
drive	drive
drum/kg	drum weight in kg
drum/Ø	drum diameter in mm
drum/width	drum width in mm
E	length to middle of hole
empty	without tools
H1	height 1 in mm
height (H)	height in mm
HW	hammer weight in g
Id.	identification number
Id. Al	identification number Al
Id. Cu	identification number Cu
kg	weight in kg
kg/100	weight in kg/100 pcs.
l	length in mm
length (L)	length in mm
Load	load
Loc.	locator
mat.	material
mm^2	diameter in mm^2
N/Ø	nail diameter
NL	nail length
No.	number
NP	nominal pressure in bar
Ø	cross-section in mm
Ø after	diameter after shrinkage
Ø before	diameter before shrinkage
Ø/Inch	diameter in inch
Øbo.	bolt diameter in mm
PB	pressing width
PE/PU	pricing/packing unit
plug	plug
PU	packing unit
PW	press width
role/G	role weight in g
rope-Ø	rope diameter in mm
s	material thickness
Sbl.	saw blade length
se	single core sector
size	size in mm
sm	multiple core sector
strength (St.)	strength in mm
TL	total length in mm
TM	thread metric
TMA	tested/Measured area
v1	slim pressing
v2	wide pressing
width (B)	witdh in mm
WS	wrench size

HAUPA transparent /
Foreign representatives

haupa®

... convincing solutions

HAUPA-Group

Germany (HAUPA Main Office)
HAUPA GmbH & Co. KG
Königstraße 165-169
D-42853 Remscheid
Phone: +49 (0) 2191 8418 0
Fax: +49 (0) 2191 8418 840
E-Mail: sales@haupa.com, info@haupa.com
Internet: www.haupa.com

Austria
HAUPA Werkzeuge Hans-Udo Paas
Bayernstraße 39
A-5071 Wals-Siezenheim
Phone: +43 (0662) 854717
Fax: +43 (0662) 854632
E-Mail: austria@haupa.com

Spain
HAUPA Ibérica S. L.
c/. Muralla de Sant Llorenç, 37 2ºA
08302 Mataró
Phone: +34 (902) 313135
Fax: +34 (902) 414145
E-Mail: comercial@haupa.es

Poland
HAUPA Polska Sp. z o.o.
ul. Norwida 11
55100 Trzebnica
Phone: +48 (0)71 387 48 13
Fax: +48 (0)71 387 48 14
E-Mail: haupa@haupa.pl

Russia
HAUPA-RU Ltd
ul. Industrialnaya 9/1
180021 Pskov, RUSSIA
Phone: +7 (8112) 29-28-78
Fax: +7 (8112) 29-28-79
E-Mail: russia@haupa.com
www.haupa-ru.ru

Baltic States
UAB HAUPA Baltics
Žirmunu g. 139 - 318
09120 Vilnius
GSM: +370 699 633 63
E-Mail: andrius.krisiunas@haupa.com
www.haupa.com

Balkan States
HAUPA S.E.E. d.o.o.
Miroslava Krleze 24
71000 Sarajevo
Phone/Fax: +387(0)33545725
GSM: +38763891678
E-Mail: goran.hrgovic@haupa.com

Romania
SC HAUPA SRL
Str. G. Enescu, Nr. 3
331030 Hunedoara
GSM: +4 0744 561 567
Fax: +4 0354 407 994
E-Mail: mihai.lupu@haupa.com

Portugal
HAUPA Portugal
Rua Álvaro Ferreira Alves, 15 C
Zona Industrial de Stª. Marta do Pinhal
2855-591 CORROIOS
Mobile Phone: +351 961660713
E-Mail: luis.esteves@haupa.com

Serbia
iCON by HAUPA d.o.o.
Mise Dimitrijevica 44
21000 Novi Sad
GSM: +38 121 300 29 37
E-Mail: goran.hrgovic@haupa.com

Commercial sales staff, Germany

Hans-Joachim Gummersbach (HAUPA Main Office)
HAUPA GmbH & Co. KG
Königstraße 165-169
D-42853 Remscheid
Phone: +49 (0) 2191 8418 0
Fax: +49 (0) 2191 8418 840
E-Mail: joachim.gummersbach@haupa.com

Rainer Eiselt
Industrievertretungen
Südstraße 4
09221 Neukirchen
Phone: +49 (0) 371 271050
Fax: +49 (0) 371 2710518
E-Mail: info@iv-eiselt.de
Sachsen/Sachsen-Anhalt/Thüringen

Kittler Elektro-Vertriebs GmbH
Industrievertretung
Attilastr. 73
12247 Berlin
Phone: +49 (0) 30 77430-73
Fax: +49 (0) 30 77430-82
E-Mail: Kittlerindustrie@aol.com
Berlin/Brandenburg

Hans-Joachim Gummersbach
HAUPA GmbH & Co. KG
Königstraße 165-169
D-42853 Remscheid
Phone: +49 (0) 2191 8418 0
Fax: +49 (0) 2191 8418 840
E-Mail: joachim.gummersbach@haupa.com
Hamburg/Schwleswig-Holstein/
Mecklenburg-Vorpommern

Markus Hermann
Technischer Berater im Außendienst
Königstraße 165-169
D-42853 Remscheid
Phone: +49 (0) 2191 8418 210
Fax: +49 (0) 2191 8418 840
GSM: +49 (0) 160 972 624 95
E-Mail: markus.hermann@haupa.com
NRW-Ost/Niedersachsen/Hannover/Bremen

Sönnecken GmbH
Industrie-Vertretungen
Wildermannstr. 8
44141 Dortmund
Phone: +49 (0) 231 5600012
Fax: +49 (0) 231 590607
E-Mail: soenneckengmbh@t-online.de
NRW Ruhrgebiet

Carsten Potrz
Industrievertretung
Hausinger Straße 8
40764 Langenfeld
Phone: +49 (0) 2173/1657923
Fax: +49 (0) 2173/1657926
Mobile Phone: 0170/8114074
E-Mail: potrz@cpiv.de
Web: www.cpiv.de
NRW Rheinland

Außenbüro NRW Rheinland
Karl Kleemann
Industrievertretung
Löhdorfer Str. 257
42699 Solingen
Phone: +49 (0) 212/64568156
Mobile Phone: 0174/2193743
E-Mail: karl.kleemann@emeatec.com
Web: www.emeatec.com
NRW Rheinland

Hipp-Industrievertretungs-GmbH
Am Galgenacker 11
79232 March-Buchheim
Phone: +49 (0) 761 402425
Fax: +49 (0) 761 408351
GSM: +49 (0) 172 7648217
E-Mail: info@hipp-gmbh-fr.de
Baden-Württemberg/Pfalz/Region Rhein-Neckar

Bernd Schneiderheinze
Elektro-Vertretungen
Mühlsteig 20
90579 Langenzenn
Phone: +49 (0) 9101 904810
Fax: +49 (0) 9101 904825
E-Mail: elektro@schneiderheinze.de
Nordbayern

Wolfgang Humig
Handelsvertretung
Rossinistr. 37 b
85057 Ingolstadt
Phone: +49 (0) 841 / 99 32 764
Fax: +49 (0) 841 / 99 32 765
E-Mail: w.humig@humig.de
Südbayern

Bernd Oedekoven GmbH
Werksvertretungen
Rudolf-Diesel-Straße 11
56220 Urmitz (Gewerbegebiet)
Phone: +49 (0) 2630/9635-0
Fax: +49 (0) 2630/963535
E-Mail: info@oedekovengmbh.de
Rheinland-Pfalz/Saarland

Außenbüro Trier/Saarbrücken
Franz Josef Kirchen
Bernd Oedekoven GmbH
Schillinger Weg 10
54421 Reinsfeld
GSM: +49 (0) 176 19635502
E-Mail: fjk@oedekovengmbh.de

Schaum Industrievertretung GmbH
Rheinstraße 8
35625 Hüttenberg
Tel: 06403/9119-0
Fax: 06403/9119-20
info@schaum-net.de
Hessen

Commercial sales staff, Austria

Ing. Reinhold Wolfsgruber
M. Schurrer & Co. GmbH
Bayernstraße 39
A-5071 Wals-Siezenheim
Phone: 0664/43 14 4 31 | 0662/85 47 00-11
E-Mail: reinhold.wolfsgruber@schurrer.at
Sales management Austria

Andrä Eberharter
Pipelife Austria GmbH & Co. KG
Bert-Köllensperger-Straße 8a
6065 Thaur/Gewerbegebiet
Phone: 0664/122 65 24
E-Mail: andrae.eberharter@pipelife.at
Vorarlberg, Tirol

Klaus Gutenbrunner
M. Schurrer & Co. GmbH
Bayernstraße 39
A-5071 Wals-Siezenheim
Phone: 0664/444 95 49
E-Mail: klaus.gutenbrunner@schurrer.at
Oberösterreich

Ing. Martin Wegan
M. Schurrer & Co. GmbH
Bayernstraße 39
A-5071 Wals-Siezenheim
Phone: 0664/260 78 78
E-Mail: martin.wegan@schurrer.at
Wien, Niederösterreich, Burgenland

Ing. Stefan Greisberger
M. Schurrer & Co. GmbH
Bayernstraße 39
A-5071 Wals-Siezenheim
Phone: 0664/888 714 11
E-Mail: stefan.greisberger@schurrer.at
Salzburg

Uwe Sottovia
M. Schurrer & Co. GmbH
Bayernstraße 39
A-5071 Wals-Siezenheim
Phone: 0664/122 65 28
E-Mail: uwe.sottovia@schurrer.at
Steiermark, Kärnten

Commercial sales staff, Spain

HAUPA Iberica Central
Phone: +34 (902) 31 31 35
Fax: +34 (902) 41 41 45
E-Mail: comercial@haupa.es

Rubén Mestanza Portales
Phone: +34 (902) 31 31 35
Fax: +34 (902) 41 41 45
E-Mail: ruben.mestanza@haupa.com
Zona: **Segovia, Avila, Soria y Teruel**

Red Levante
José Vicente Antón
Móvil: 667-50-71-47
E-Mail: josevicente@redlevante.com
Fermin Ortega
Móvil: 667-46-56-72
E-Mail: fermin@redlevante.com
Zona: **Alicante, Albacete, Cuenca y Murcia**

Juan Campos Rangel
Móvil: 609-44-77-09
E-Mail: jcguati@hotmail.com
Zona: **Extremadura, Ciudad Real, Toledo**

Albert Pérez Gaona
Móvil: 600-52-05-02
E-Mail: albert7perez@telefonica.net
Zona: **Cataluña**

Granarep (Teodoro Jerez)
Móvil: 600-51-24-94
E-Mail: granarep@granarep.com
Zona: **Granada y Almeria**

Marco Antonio Lorca Gonzalez
Móvil: 679-08-31-81
E-Mail: marcoantoniolorca@gmail.com
Zona: **Jaén**

Rafael Martinez Sanz
Movil: 619-30-32-25
E-Mail: comarsanz@gmail.com
Zona: **Córdoba**

Angel Lopez García
Móvil: 647-52-53-23
E-Mail: angel.lopezgarcia@orange.es
Zona: **Madrid y Guadalajara**

Jose Mª González
Móvil: 610-71-01-00
E-Mail: jmaria.chiqui@gmail.com
Zona: **Málaga**

Antonio Duran (MELEC)
Móvil: 640-15-09-23
E-Mail: comercial@melecsl.com
Zona: **Galicia**

Juan Luís Gomez Andana
Móvil: 670-22-74-88
E-Mail: gomezandana@vodafone.es
Zona: **Sevilla, Huelva y Cádiz**

Antonella Garcia
Móvil: 615-010-500
E-Mail: antonellakronwell@gmail.com
Zona: **Castellón, Valencia, Islas Baleares**

Ignacio Menaya
Móvil: 656-19-46-21
E-Mail: ignaciomenaya@coacaragon.com
Zona: **Aragón y La Rioja**

Carmelo Serrano
Móvil: 610-46-50-26
E-Mail: carmelo.serrano@cselectrica.com
Zona: **Pais Vasco, Asturias, Leon, Zamora, Salamanca, Cantabria, Palencia, Valladolid, Burgos, Alava y Navarra**

Julio Perez
Móvil: 696-94-22-26
Fijo: 928-29-08-53
E-Mail: esc@electrosoncanarias.e.telefonica.net
Zona: **Islas Canarias**

Commercial sales staff, Poland

Andrzej Ryznar
55-100 Trzebnica
ul. Norwida 11
Phone: +48 71 387 48 13
Fax: +48 71 387 48 14
Phone kom.: +48 603-768-200
E-Mail: ryznar@haupa.pl

Marek Dąbek
55-100 Trzebnica
ul. Norwida 11
Phone: +48 71 387 48 13
Fax: +48 71 387 48 14
Phone kom.: +48 693-431-542
E-Mail: dabek@haupa.pl

Jakub Bałaziński
55-100 Trzebnica
ul. Norwida 11
Phone: +48 71 387 48 13
Fax: +48 71 387 48 14
Phone kom.: +48 603-719-731
E-Mail: balazinski@haupa.pl

Andrzej Bednarczyk
55-100 Trzebnica
ul. Norwida 11
Phone: +48 71 387 48 13
Fax: +48 71 387 48 14
Phone kom.: +48 601–181–181
E-Mail: bednarczyk@haupa.pl

haupa®
... convincing solutions

Foreign representatives

Argentina
REDELEC Argentina S.A.
San Vladimiro 3056
B1642 San Isidro, Pcia de Buenos Aires
Phone: +54 11 4735-6050
E-Mail: info@redelec.com.ar
www.redelec.com.ar

Australia
TransNet Equipment Pty Ltd
Unit 20, 8 Hurley Street
Canning Vale WA 6155
Phone: +61 8 9256 3417
Fax: +61 8 9256 3917
E-Mail: sales@transnetequipment.com

Belgium
S.A. HUPPERTZ N.V.
Rue Golden Hope Straat 35 B
B-1620 Drogenbos
Phone: 02/334 34 34
Fax: 02/334 34 40
E-Mail: info@huppertz.be

Bosnia
HAUPA S.E.E. d.o.o.
Miroslava Krleze 24
71000 Sarajevo
Phone/Fax: +387(0)33545725
GSM: +38763891678
E-Mail: goran.hrgovic@haupa.com

Bulgaria
Retra-Georgiev
21 Vek 54
BG-1700 Sofia
Phone/Fax: +359 2 8687207
GSM: +359888331018
E-Mail: retrana@abv.bg

Chile
Santander Import Chile S.P.A.
Exequiel Fernández 4592
Macul, Región Metropolitana, Chile
Phone: +56 2 2454 8062
E-Mail: oluengo@santanderimport.cl

Denmark
Direct support by HAUPA Main Office/
Export Dept. Mr. Dirk Obermann
Phone: +49 2191 8418-0
Fax: +49 2191 8418-880
E-Mail: dirk.obermann@haupa.com
www.haupa.com

Estonia
UAB HAUPA Baltics
Žirmunu g. 139 - 318
09120 Vilnius
GSM: +370 699 633 63
E-Mail: andrius.krisiunas@haupa.com
www.haupa.com

Finland
UAB HAUPA Baltics
Žirmunu g. 139 - 318
09120 Vilnius
GSM: +370 699 633 63
E-Mail: andrius.krisiunas@haupa.com
www.haupa.com

France
Direct support by HAUPA Main Office/
Export Dept. Mrs. Kerstin Uebbert
Phone: +49 2191 8418-0
Fax: +49 2191 8418-880
E-Mail: kerstin.uebbert@haupa.com
www.haupa.com

Greece
Technomat S.A.
Industrial Area of Sindos
57022 Thessaloniki
Phone: +30 2310 777000
Fax: +30 2310 797998
E-Mail: technomat@technomat.gr
www.technomat.gr

Großbritanien
CEE Norm U.K. LTD
Unit 2, Highbridge Court, Stafford Park
Telford, Shropshire TF3 3BD
Phone: +44 1952 212 700
Fax: +44 1952 212 711
E-Mail: sales@ceenorm.co.uk

India
Electro Crimp Contacts (I) Pvt. Ltd.
44/17/1, M.I.D.C, Satpur
422007 Nasik, Maharashtra
Phone: 0091 0253 2350838
Fax: 0091 0253 2354948
Mobil: 9850888866
E-Mail: harshad@eccipl.com
www.eccipl.com

Ireland
MCC Controls Ltd.
Robinhood Business Park
Robinhood Road, Dublin 22
Phone: +353 14506450
Fax: +353 14506104
E-Mail: nfo@mcc-controls.com

Iceland
Smith & Norland
Nóatúni 4
IS-105 Reykjavik
Phone: 00354 520 3000
Fax: 00354 520 3011
E-Mail: hallan@sminor.is

Israel
ER-CO LTD-Management
Hayozma 41
IL 77000 Ashdod
Phone: 00972 732020000
Fax: 00972 732020001
E-Mail: info@erco.co.il / www.erco.co.il

Italy
E.S.co. soci del sole srl
Via E. Mattei, 1
27020 Marcignago (PV)
Phone: +39 0382 921755 / 921774
Fax: +39 0382 921828
E-Mail: info@socidelsole.it

Kosovo
AURORA SHPK
Magjistralia Prishtinë Shkup km 4
10000 Prishtinë
Phone: +377 38 606 123
Fax: +377 44 869 727
E-Mail: info@aurora-kos.com

Croatia
HAUPA S.E.E. d.o.o.
Miroslava Krleze 24
71000 Sarajevo
Phone/Fax: +387(0)33545725
GSM: +38763891678
E-Mail: goran.hrgovic@haupa.com

Latvia
UAB HAUPA Baltics
Žirmunu g. 139 - 318
09120 Vilnius
GSM: +370 699 633 63
E-Mail: andrius.krisiunas@haupa.com
www.haupa.com

Lithuania
UAB HAUPA Baltics
Žirmunu g. 139 - 318
09120 Vilnius
GSM: +370 699 633 63
E-Mail: andrius.krisiunas@haupa.com
www.haupa.com

Luxembourg
MINUSINES S.A.
8, rue François Hogenberg
L-1735 Luxembourg
Phone: +352 49 58 58 1
Fax: +352 49 58 66
E-Mail: minlu@pt.lu

Malta
VCT Ltd.
Ponsomby Street
Mosta, MST 4032
Phone: +356 2143 2571
Fax: +356 2143 6186
E-Mail: info@vct.com.mt

Macedonia
HAUPA S.E.E. d.o.o.
Miroslava Krleze 24
71000 Sarajevo
Phone/Fax: +387(0)33545725
GSM: +38763891678
E-Mail: goran.hrgovic@haupa.com

Mexico
Ekom Industrie Komponenten S.A. de C.V.
Calle 2 Sur 1003-B, Chipilo de Francisco Javier Mina
C.P. 74325, San Gregorio Atzompa, Puebla, Mexico
Phone: / Fax: +52 (222) 283 11 33
E-Mail: jpmorales@ekommexico.com
www.ekommexico.com

New Zealand
TransNet NZ Ltd
78 Cryers Road, East Tamaki
Auckland 2013
Phone: +64 9 274 3340
Fax: +64 9 274 5490
E-Mail: sales@transnet.co.nz

Netherlands
Richard Woestenenk
Telefoon: +31 612885793 (GSM)
E-Mail: richard.woestenenk@haupa.com
www.haupa.com

Norway
VIX AS
Stabburveien 24
1617 Fredrikstad
Phone: ++47 69 36 00 50
Fax: ++47 69 34 76 70
E-Mail: post@vixnordic.com

Austria
HAUPA Werkzeuge Hans-Udo Paas
Bayernstraße 39
A-5071 Wals-Siezenheim
Phone: +0662 85 47 17
Fax: +0662 85 46 32
E-Mail: austria@haupa.com

Poland
HAUPA Polska Sp. z o.o.
ul. Norwida 11
55100 Trzebnica
Phone: +48 (0)71 387 48 13
Fax: +48 (0)71 387 48 14
E-Mail: haupa@haupa.pl

Foreign representatives

Portugal
HAUPA Portugal Rua Álvaro Ferreira Alves
15 C, Zona Industrial de Stª. Marta do Pinhal
2855-591 CORROIOS
Mobile Phone: +351 961660713
E-Mail: luis.esteves@haupa.com

Romania
SC HAUPA SRL
331059 Hunedoara
Bulevard 1848, Nr. 13, Ap. 6
GSM: +4 0744 561 567
Fax: +4 0354 407 994
E-Mail: mihai.lupu@haupa.com

Russia
HAUPA-RU Ltd
ul. Industrialnaya 9/1
180021 Pskov, RUSSIA
Phone: +7 (8112) 29-28-78
Fax: +7 (8112) 29-28-79
E-Mail: russia@haupa.com
www.haupa-ru.ru

Sweden
Direct support by HAUPA Main Office/
Export Dept. Mr. Dirk Obermann
Phone: +49 2191 8418-0
Fax: +49 2191 8418-840
E-Mail: dirk.obermann@haupa.com

Switzerland
AXTRON GmbH
Hungerbüelstr. 22
CH-8500 Frauenfeld
Phone: 0041 / 527 21 58 58
Fax: 0041 / 527 21 58 59
E-Mail: info@axtron.ch

Serbia
iCON by HAUPA d.o.o.
Mise Dimitrijevica 44
21000 Novi Sad
Phone: +381 21 300 29 37
E-Mail: info@iconbyhaupa.rs
www.iconbyhaupa.rs

Slovakia
Direct support by HAUPA Main Office/
Export Dept. Mr. Dirk Obermann
Phone: +49 2191 8418-0
Fax: +49 2191 8418-840
E-Mail: dirk.obermann@haupa.com

Slovenia
HAUPA S.E.E. d.o.o.
Miroslava Krleze 24
71000 Sarajevo
Phone/Fax: +387(0)33545725
GSM: +38763891678
E-Mail: goran.hrgovic@haupa.com

Spain
HAUPA Ibérica S. L.
c/. Muralla de Sant Llorenç, 37 2º A
08302 Mataró
Phone: +34 (902) 31 31 35
Fax: +34 (902) 41 41 45
E-Mail: comercial@haupa.es

South Africa
Surge Technology (Pty) Ltd.
18-20 Arbeid Avenue, Strydom Park
Randburg 2125
Phone: +27 (0) 11 792-1303/4/5
Fax: +27 (0) 11 793-6928
E-Mail: info@surgetec.co.zam

Czechia
ELIMA ELEKTRO s.r.o.
Hradecká 506
506 01 Jičín
Phone: +420 493 524 390
Fax: +420 493 525 720
E-Mail: objednavky@elima.cz

Taiwan
Power Forward co., ltd
No.8, Ln.32, Guilin St., Qianzhen District
806 Kaohsiung City
Phone: +38 75362767
E-Mail: powerforward.mail@gmail.com

Ukraine
TEKO INTERFACE TOB
ul. Lomonosova, 73 g
03189 Kiev
Phone: +38 044 374-06 -40
Fax: +38 044 374-06- 42
E-Mail: info@tekointerface.com.ua
tekointerface.com.ua

Ukraine
Scientific-Produktion Firm, Electrodinamika
Isaevskaya Str. 5
61033 Kharkov
GSM: +38 (057) 704-15-41
Fax: +38 (057) 715-79-98
E-Mail: office@electrodinamika.com
www.electrodinamika.com.ua

Hungary
POLY-NORM 2000 Kft.
Lőcsei út 81.
1147 Budapest
Phone: +361/461-0170
Fax: +361/321-1618
E-Mail: haupa@polynorm2000.hu

Belarus
UAB HAUPA Baltics
P. Smugleviciaus g. 8-30
08311 Vilnius
GSM: +370 699 633 63
Fax: +370 527 841 64
E-Mail: andrius.krisiunas@haupa.com

Central America
INTEK
Guatemala, El Salvador, Honduras,
Nicaragua, Costa Rica
www.intek-ca.com

Cyprus
Direct support by HAUPA Main Office/
Export Dept. Mr. Dirk Obermann
Phone: +49 2191 8418-0
Fax: +49 2191 8418-840
E-Mail: dirk.obermann@haupa.com

Contact

haupa®
... convincing solutions

Point of sales

HAUPA Shop in Shop Sales System

A well-stocked display of tools at the point of sale is the hallmark of every good electrical wholesaler and offers customers the full service they need.

Within this complete customer-focussed presentation concept, your clients will find a wide range of HAUPA quality tools and the materials to go with them. It includes tools from the „Around the cable“, „Working under tension“ and „Standard program“ ranges and offers the user a very high degree of flexibility.

Cupboards with lockable glass door. Perforated panel displays also available in 1.00m and 1.25 m width. Dimensions: 2,20 m x 1,25 m x 40 cm. (The entire list of items available for display on the panels can be viewed on the internet or by mailing sales@haupa.com).

HAUPA Sales promotion

On request, HAUPA also naturally supplies individual cabinets and wall displays fitted out with your own choice of tools.

Our different resentation models offer possibilities for your sales area which are both interesting and variable.

HAUPA pliers module for wall displays, cabinets and counter

2C standard

Art. No. 220346

Pliers module, 2C pliers

42 pliers

Art. No.	Description	Piece
210053	Combination pliers, 180 mm	6
210068	Diagonal cutter, 160 mm	6
210157	Heavy duty diagonal cutter, 180 mm	6
210158	Heavy duty diagonal cutter, 200 mm	6
210396	Long chain nose pliers, 200 mm	6
210398	Long chain nose pliers, 45°, 200 mm	6
210644	Wire stripping pliers, 160 mm	6

Dimensions: 47 cm x 13 cm x 22 cm (w x h x d)

Dimensions:
73 cm x 220 cm x 45 cm (w x h x d)

2C – 1000 V

Art. No. 220349

Pliers module, VDE pliers

sheathed handles - 1000 V - 42 pliers

Art. No.	Description	Piece
211200	Combination pliers, 185 mm	3
211202	Combination pliers, 205 mm	3
211203	Diagonal cutter, stripping function, 165 mm	3
211204	Diagonal cutter, 165 mm	3
211217	Heavy duty diagonal cutter, 170 mm	3
211219	Heavy duty diagonal cutter, 205 mm	3
211226	Cable cutter, 170 mm	3
211228	Cable cutter, 230 mm	3
211225	Cable cutter, 160 mm	3
211223	Cable cutter, 200 mm	3
211208	Long chain nose pliers, 200 mm	3
211210	Long chain nose pliers, 45°, 200 mm	3
211214	Wire stripping pliers, 160 mm	3
211221	Water pump pliers, 240 mm	3

- ***easy mounting***
- ***individual arrangements possible***
- ***coloured labels***
- ***clear product display***

coating-insulation 1000 V

Art. No. 220350

Pliers module, VDE pliers

coating-insulation - 1000 V - 21 pliers

Art. No.	Description	Piece
210058	Combination pliers, 200 mm	3
210388	Long chain nose pliers, 200 mm	3
210390	Long chain nose pliers, 45°, 200 mm	3
210117	Heavy duty diagonal cutter, 170 mm	3
210119	Heavy duty diagonal cutter, 205 mm	3
210102	Diagonal cutter, 185 mm	3
210648	Wire stripping pliers, 160 mm	3

Dimensions:
41 cm x 58 cm x 18 cm
(w x h x d)

Dimensions:
40 cm x 163 cm x 35 cm
(w x h x d)

Screwdrivercenter

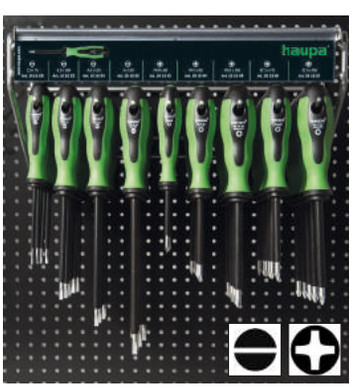
Art. No. 220360

2C VDE Screwdriver center

1000 V - 50 screwdrivers

Art. No.	Description	Piece
101910	Slott 2,5 x 75	6
101916	Slott 4,0 x 100	6
101918	Slott 5,5 x 125	5
101920	Slott 6,5 x 150	5
101940	PH 0	6
101942	PH 1	6
101944	PH 2	5
101952	PZ 1	6
101954	PZ 2	5

Dimensions: 33,0 cm x 33,0 cm x 17,5 cm (w x h x d)



Art. No. 220354

2C Screwdriver center

52 screwdrivers, standard

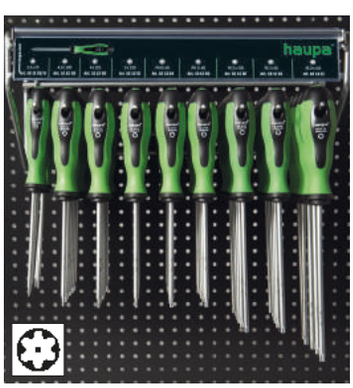
Art. No.	Description	Piece
101520	Slott 2,5 x 75	6
101522	Slott 4,0 x 100	6
101524	Slott 4,0 x 125	6
101526	Slott 5,0 x 150	6
101542	PH 0	6
101544	PH 1	6
101546	PH 2	5
101550	PZ 1	6
101552	PZ 2	5

Art. No. 220365

2C VDE Screwdriver center Tx

1000 V - 52 screwdrivers

Art. No.	Description		Piece
101850	Tx 8	100 x 3,0	6
101852	Tx 9	100 x 3,0	6
101854	Tx 10	100 x 3,0	6
101856	Tx 15	100 x 3,5	6
101858	Tx 20	100 x 4,0	6
101860	Tx 25	125 x 4,5	6
101862	Tx 27	125 x 5,5	6
101864	Tx 30	150 x 6,5	5
101866	Tx 40	175 x 8,0	5



Art. No. 220364

2C Screwdriver center Tx

52 screwdrivers, standard

Art. No.	Description		Piece
101229/6	Tx 6	100 x 2,0	6
101230	Tx 8	100 x 2,5	6
101200	Tx 9	100 x 2,5	6
101202	Tx 10	100 x 3,0	6
101204	Tx 15	100 x 3,0 - 3,5	6
101206	Tx 20	100 x 3,5 - 4,0	6
101208	Tx 25	125 x 4,0 - 5,0	6
101210	Tx 27	125 x 4,5 - 5,0	5
101211	Tx 30	150 x 6,0 - 7,0	5

homepage

YouTube
HAUPA demo

QR codes:
This catalogue contains QR codes which ensure more transparent communication of additional information via video or similar media content.

Germany
HAUPA GmbH & Co. KG
Königstraße 165-169
42853 Remscheid
Phone: +49 (0)2191 84 18-0
Fax: +49 (0)2191 84 18 840
E-Mail: sales@haupa.com
www.haupa.com

HAUPA W129133

DIN EN ISO 9001 ZERTIFIKAT

HAUPA-Group
www.haupa.com

PEFC
PEFC/04-31-0810

haupa®
... convincing solutions