EN

Around the cable
Working under tension
Standard program

Main catalogue 2021 | 2022

60 years haupa®

haupa®
...convincing solutions

60 years of HAUPA | Tradition and innovation

Quality tools and connecting technology for electrical trade and industry uses

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. Over the past 60 years, we have grown from a medium-sized, value-orientated family company into a global player. The recipe for success for our stable growth is a combination of tradition, experience, subject competence and innovative energy. We consistently endeavour to develop products of the highest possible precision that offer added-value to electrical engineers.

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

This catalogue contains numerous innovations in all product fields. Our replaceable head hydraulic system has been expanded and now includes the pressing heads “4-mandrel 300“ and “4-mandrel 400“ with six replaceable heads. The automatic cable stripper “Super 4 Pro“ for cables sheathed in PVC in diameters from 0.2 to 6.0 mm² has a perfectly positioned cable cutter up to 2.5 mm². The “KA-6“ crimping tool for non-insulated conduit terminals stands out thanks to its compact design. The leverage form ensures better power transmission. We have marked these and all other new products for you in the catalogue.

The acquisition of BRINKO has opened up completely new possibilities for the plumbing and electrical wholesale sector. The product ranges for both wholesale sectors have been expanded to include an extensive product spectrum. Both companies, HAUPA and BRINKO, have a traditional and family-based background. With a tradition of manufacturing sanitary tools that dates back 160 years, BRINKO is deeply rooted in Remscheid. HAUPA and BRINKO are your partners for reliable, innovative and forward-thinking projects.

We hope you enjoy browsing through the new HAUPA catalogue and look forward to demonstrating our products to you. Curious about the BRINKO product range? Then simply visit brinko.de.

Your HAUPA team

BRINKO®

haupa®

... togehter even stronger

brinko.de

BRINKO Katalog

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.

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.

Zertifikate

DIN EN ISO 9001:2015 - Certificate

German

English

Membership

ETIM International

ZVEI: Die Elektroindustrie

open datacheck

IHK Bergische Industrie- und Handelskammer Wuppertal-Solingen-Remscheid

HAUPA Productcertification

TÜV GS

1000V IEC 60900

RoHS

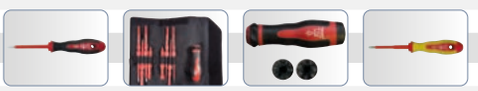
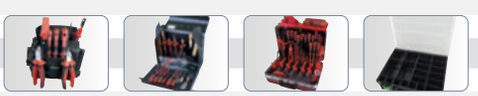
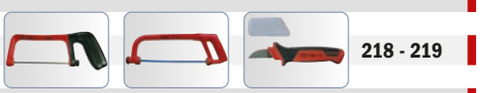
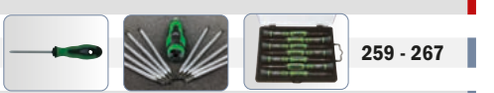
EAC

VDE GS

UL

Brunel

Content

Page		Page
3 - 20		
33 - 88		
105 - 138		
175 - 184		
204 - 216		
222 - 224		
220 - 221		
240		
247 - 258		
268 - 269		
270 - 276		
291 - 296		
305 - 308		
319 - 320		
323 - 326		
329 - 334		
337 - 344		
353 - 398		
409 - 424		
		21 - 32
		89 - 104
		139 - 174
		185 - 203
		217 - 221
		218 - 219
		228 - 239
		243 - 246
		259 - 267
		270
		277 - 290
		297 - 304
		301 - 318
		320 - 322
		327 - 328
		335 - 336
		345 - 352
		399 - 408

Index 425 - 436

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 222.

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 50 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 436.

✷ 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 222.

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

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

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

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

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

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

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 436.

Best-seller Premium product

Cable cutters

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	400	
	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
- 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 436.

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

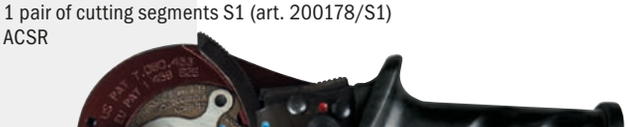
- high leverage, perfected cutting force performance
- one-hand universal- and steel rope cutter with exchangeable cutting segments
- in the case of wear or changing requirements only the cutting segment need to be replaced
- cleaner included
- double needle bearing excenter lever 14mm
- very easy to 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

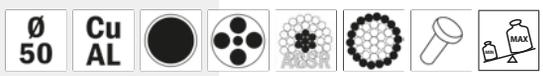
Separable materials:

- 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





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 EN 50182: 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 436.

Best-seller Premium product

INFO

Cable cutters

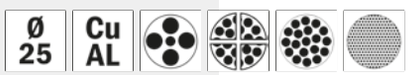
Precise cut!
The blade joints (screw connection on rotation blade) are adjusted to 0.05 mm!

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



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

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

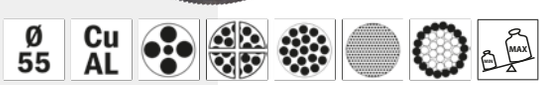
Art. no. 200131

		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

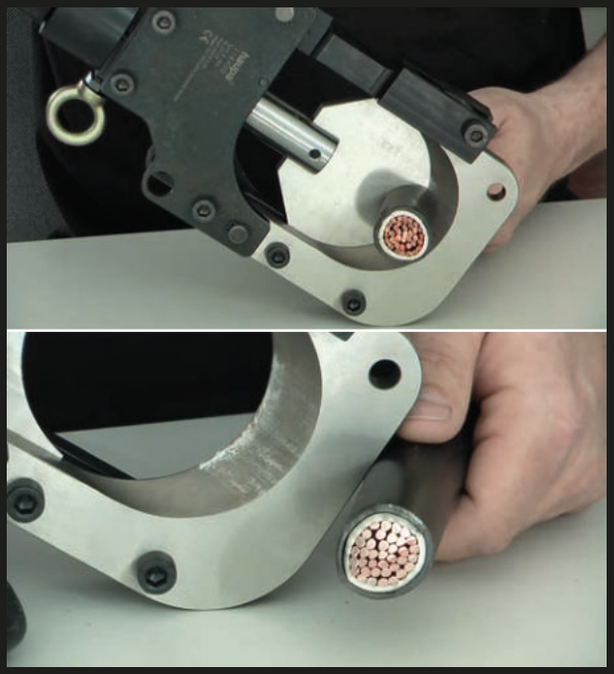


Art. no. 200151

		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

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

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

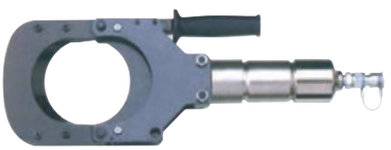
For technical data, see page 20

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



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

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 436.

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 bar	32,000	1

Hydraulic safety life line cable cutter

PREMIUM

Ø 95 | Cu AL

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

Hydraulic safety life line cable cutter

PREMIUM

Video 216416

Ø 120 | Cu AL

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

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

Battery powered cable cutters

Battery powered cable cutter „AS-52“

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

Ø 52 | Cu AL | Li-ION 18V 4Ah

Art. no.	Ø	kg	PU
216434-1	52	7,130	1
216434-1-NO	52	5,733	1
216434-1-N	52	2,817	1

Battery powered cable cutter „AS-52F“

- for copper and aluminium cable
- with blades for fine-stranded cables

Ø 52 | Cu AL | Li-ION 18V 4Ah

Art. no.	Ø	kg	PU
216436/F-1	52	7,480	1
216436/F-1-NO	52	6,081	1
216436/F-N	52	3,165	1

NEW

Battery powered cable cutter „AS-65“

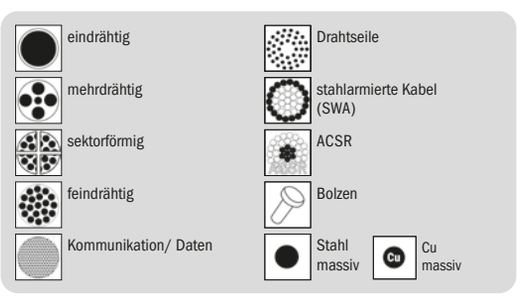
- for copper and aluminium cable
- diameter up to 65 mm

Ø 65 | Cu AL | Li-ION 18V 4Ah

Art. no.	Ø	kg	PU
216435-1	65	7,200	1
216435-1-NO	65	3,500	1
216435-1-N	65	2,900	1

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging



Battery powered cable cutter „AS-52ACSR“

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

Video 216436

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

Art. no.	Ø	kg	PU
216436-1	18,6	7,480	1
216436-1-NO	18,6	6,081	1
216436-1-N	18,6	3,165	1

Battery powered cable cutter „AS6-S20“

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 2Ah | SysCon | ACSR

Art. no.	Ø	kg	PU
216418-1	20	6,722	1
216418-1-NO	20	5,553	1
216418-1-N	20	2,637	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.

- 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

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

Art. no.	Ø	kg	PU
216419-1	32	7,640	1
216419-1-NO	32	6,471	1
216419-1-N	32	3,555	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

Hydraulic cable cutters

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.

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

Video 216422

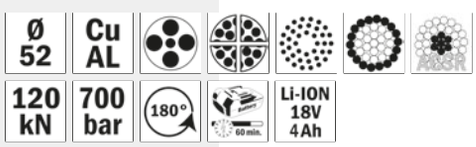
Art. no.	Ø	TL	kg	PU
216422-1	40	385	10,289	1
216422-1-NO	40	385	8,890	1
216422-1-N	40	385	5,640	1

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.

- Pressing force kN: 120
- Working pressure in bar: 700
- Cutting width Ø: 52
- ACSR
- Battery charging time in minutes: 60 • Battery type: Li-Ion, 18 V, 4 Ah



Art. no.	Ø	GL	kg	PU
216424-1	52	385	13,129	1
216424-1-NO	52	385	11,730	1
216424-1-N	52	385	8,480	1

Battery powered cable cutter „AS6-85“

Cutting head can be rotated by 180°, manual return, LED for battery control. The unit also has 2 white LED's to illuminate the respective work area.

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

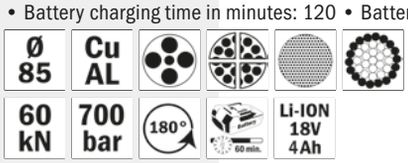
Art. no.	Ø	TL	kg	PU
216428-1	85	385	12,949	1
216428-1-NO	85	385	11,550	1
216428-1-N	85	385	8,300	1

Battery powered cable cutter „SAS6-85“

PREMIUM

Cutting head can be rotated by 180°, manual return, LED for battery control. 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.

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



Art. no.	Ø	TL	kg	PU
216430-1	85	385	12,959	1
216430-1-NO	85	385	11,560	1
216430-1-N	85	385	8,310	1

Battery powered cable cutter „AS12-S85“

Cutting head can be rotated by 180°, manual return, LED for battery control, for copper and aluminum cables. The unit also has 2 white LEDs to illuminate the respective work area.

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

Video 216428

Art. no.	Ø	TL	kg	PU
216425-1	85	385	16,149	1
216425-1-NO	85	385	14,750	1
216425-1-N	85	385	11,500	1

Hydraulic cutting tools

Art.	216418-1	216419-1	216422-1	216424-1	216428-1	216430-1	216425-1	--	--
Typ	AS6ST-20	AS6S-32	AS6-40	AS12-52	AS6-85	SAS6-85	AS12-S85	--	--

Hand hydraulic cutting tools

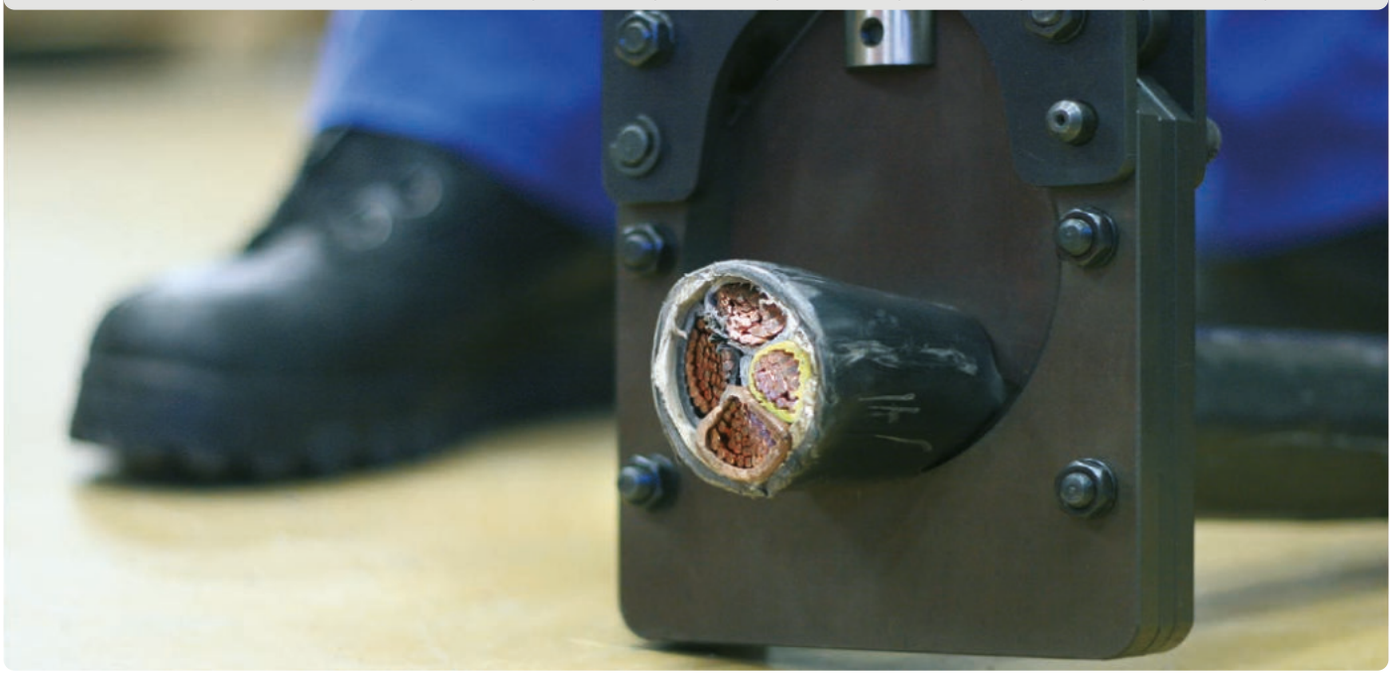
Art.	--	--	--	--	--	216404	--	--	--
Typ	--	--	--	--	--	HS-85	--	--	--

Hydraulic cutting heads

Art.	--	--	--	--	--	216408	--	216415	216410
Type	--	--	--	--	--	KS-85	--	KS-95	KS120
Diameter	20	32	40	52	85	85	85	95	120
Head	swivel	open	swivel	swivel	swivel	swivel	open	offen	swivel
Output force	6	6	6	12	6	700 bar	700 bar	700 bar	700 - 850 bar
Immediate motor-stop	●	●	●	●	●	●	●	●	●

Material

Copper	20	32	40	52	46	85	85	95	120
Aluminium	20	28	40	52	28	85	85	95	120
Underground cable	--	--	40	52	50	85	85	95	120
Telephone cable	--	--	40	--	85	85	85	95	120
ACSR	●	--	--	32	--	--	--	--	--
Drahtseil (Aluminium - Stahlseil)	●	--	●	●	--	--	--	●	●
Spanndraht	16	--	22	●	--	--	--	22	22
	20	--	25	●	--	--	--	25	25
	20	--	25	●	--	--	--	25	25
	●	--	--	●	--	--	--	●	●
	20	--	20	●	--	--	--	15	15
	20	--	25	●	--	--	--	20	20
Soft steel bar	(under SS41) 13 mm	--	16	25	--	--	--	--	--
Sheetmetal & Wire armouring, Cu	20	--	--	●	--	85	85	95	120
Lead sheated cable	20	--	40	52	85	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 436.

Best-seller Premium product

Cable strippers

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

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

„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 *	0,8 - 13	0,063	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

„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

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

Hex socket wrench for coax

- for items 201058

Art. no.	SW	kg	PU
201059	11	0,080	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

PREMIUM

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

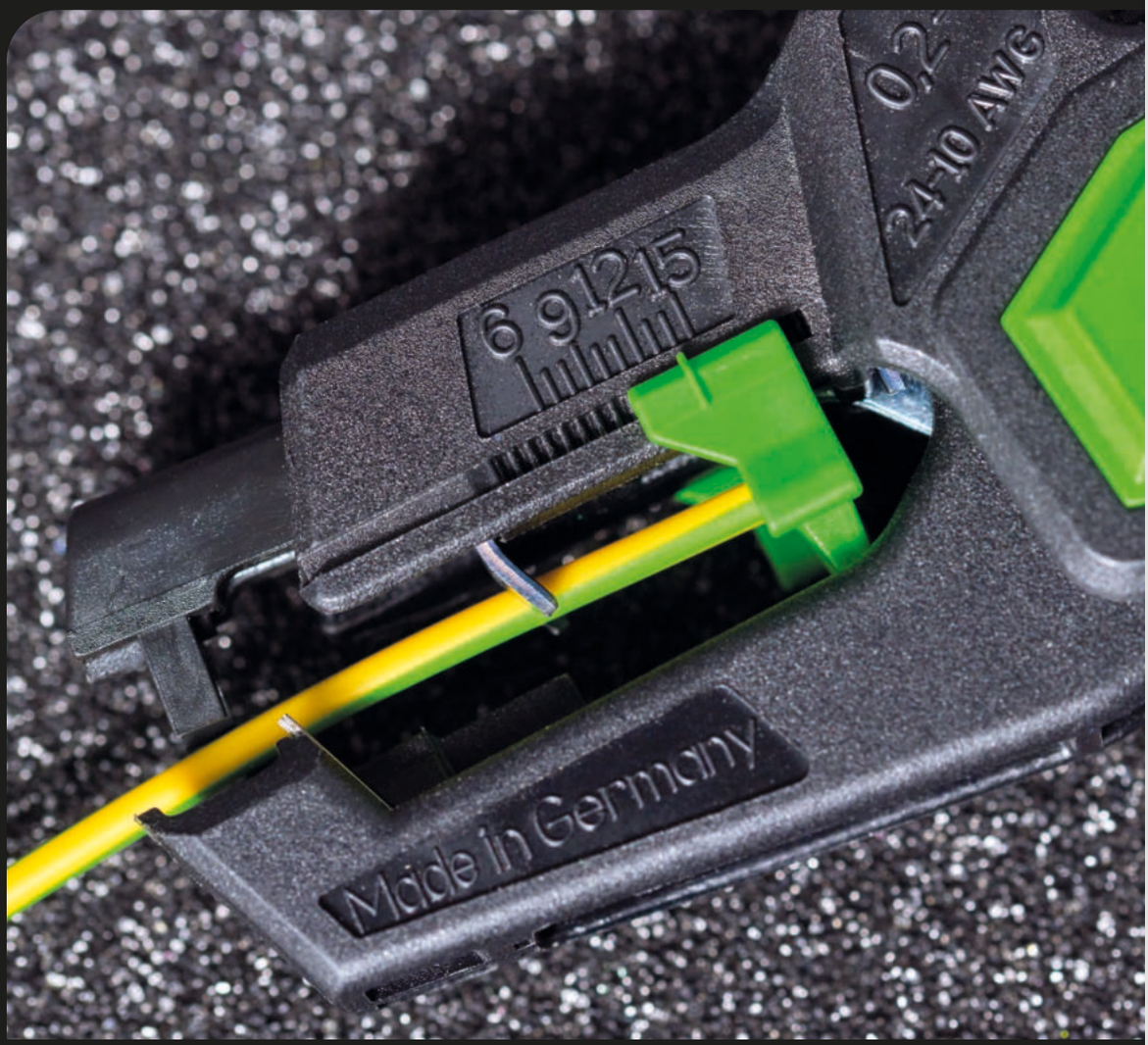
Art. no.	Ø	kg	PU
300322 ✷	0,35 - 0,9	0,078	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✷ Best-seller PREMIUM 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, 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

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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✷ 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 Super4Pro

- ergonomic, automatic wire stripper for PVC insulated wires from 0.2 - 6.0 mm² (AWG 24 - 10)
- plier-handle design with soft, non-slip safety grip
- for speedy and precise stripping of wires even where acces is difficult
- wire cutter for diameters of up to 2.5 mm²
- length stopper adjustable from 6 to 15 mm
- plier-handle design with lockable design
- TÜV / GS approved

Video 210696

Art. no.	TL	mm²	kg	PU
210698	165	0,2 - 6	0,094	1

Automatic wire stripper Secura

- 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

- 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 436.

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

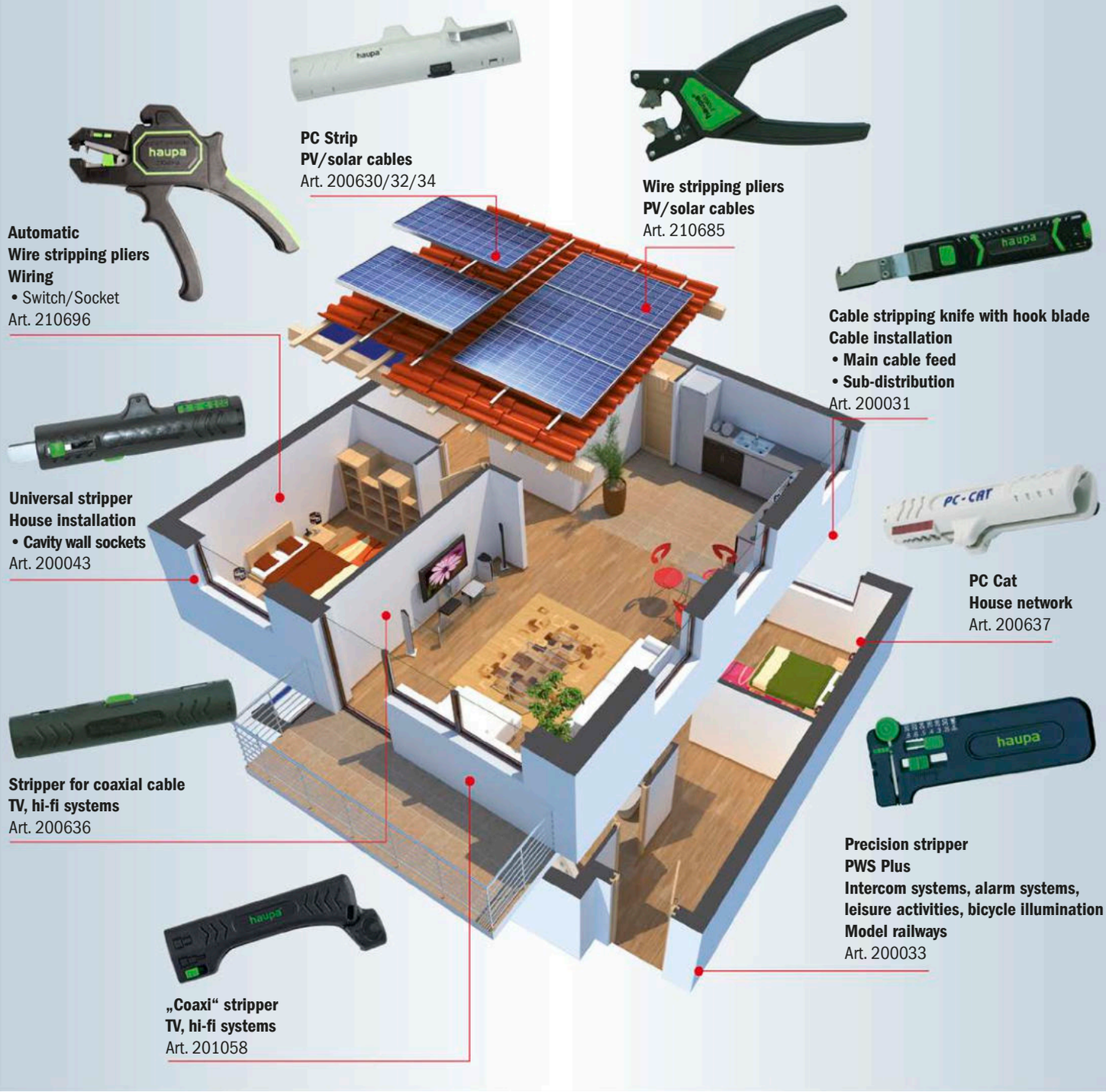
- For stripping fine wires and solid cables 0.03 – 10 mm²
- Automatic setting to the cross-section
- Integrated side cutter of up to 10 mm²
- With stripping lengthwise stop

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

Automatic cable stripper

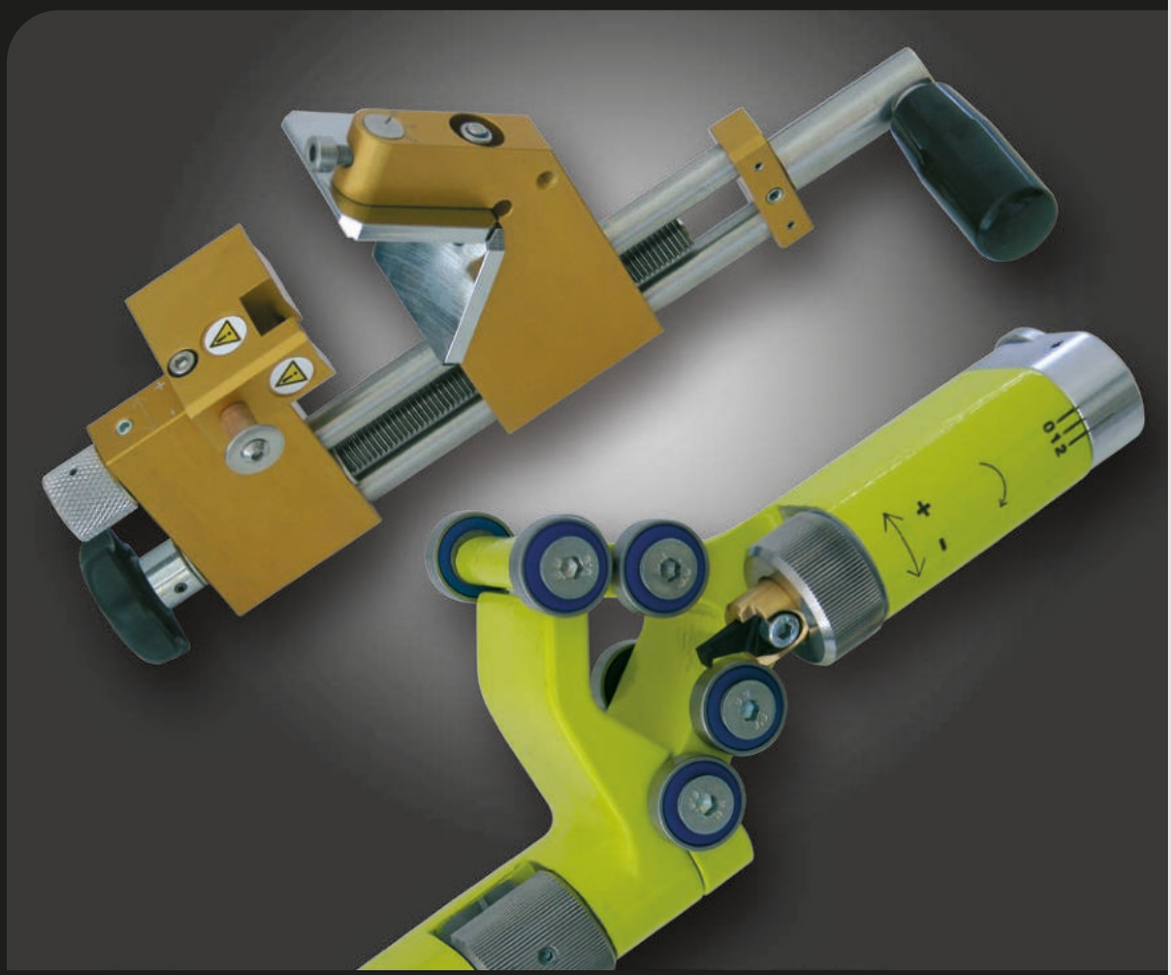
- For stripping fine wires and solid cables 6 – 16 mm²
- Automatic setting to the cross-section
- Integrated side cutter of up to 6 mm²
- With stripping lengthwise stop

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



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.

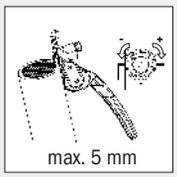
NEW

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 to a max. of 5 mm
- Suitable for lengthwise and circular cuts



Art. no.	Ø		kg	PU
110581	>25		0,220	1

Stripping pliers

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

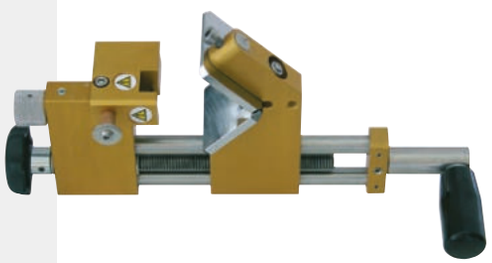
Art. no.	TL	Ø	kg	PU
200187	260	26 - 52	0,760	1
200188	290	47 - 75	1,100	1

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

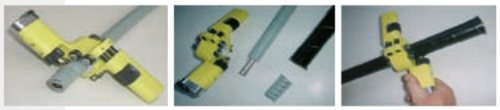
Video 200520



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

Cable Sheath Stripper

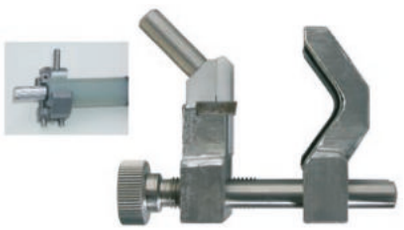
A combination tool for all standard cross-sections in the medium-high voltage range for VPE single-core cables.
Cutting and stripping the exterior sleeve and the inner cable insulation.
Two feeds and a zero setting can be set to ensure precise stripping. The sleeve is lifted at the cutting point and 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 436.

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 Photovoltaik

for photovoltaic connectors. Crimp pliers for industrial users, revolving precision impression dies with parallel feed, changeable dies.
Pressing star 213084/E
Photovoltaik: Amphenol Helios H4: 2,5 / 4 / 6, Multi-Contact MC3: 2,5 / 4 / 6, Multi-Contact MC4: 2,5 / 4 / 6, Tyco Solarlok: 1,5 / 2,5 / 4 / 6

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

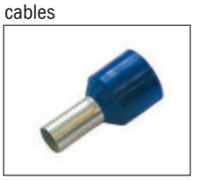
When crimping end sleeves a distinction is made between sleeves with and without plastic collars and between trapezoid, square and hexagon pressing.

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.

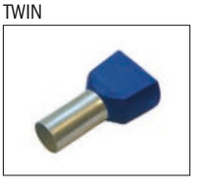
Pliers with a square crimp ensure better contact in the terminal strip. The square crimp also facilitates alignment and assembly, as clamps can be attached to each of the surfaces.

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

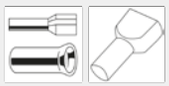
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ Best-seller Premium product

Crimping pliers for end sleeves

Crimpzange HUPsquare 10

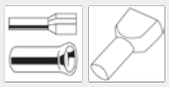
for end sleeves, precise square pressing profile, automatic setting to the conductor cross-section, unlockable forced lock, guarantees connections that meet DIN, high transmission and ergonomically shaped plastic handles for fatigue free working, **square pressing**



Art. no.	mm²		Twin (mm²)	kg	PU
212804	0,08 - 10	square	2 x 4	0,413	1

Crimpzange HUPsquare 16

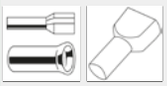
for end sleeves, precise square pressing profile, automatic setting to the conductor cross-section, unlockable forced lock, guarantees connections that meet DIN, high transmission and ergonomically shaped plastic handles for fatigue free working, **square pressing**



Art. no.	mm²		Twin (mm²)	kg	PU
212806	0,5 - 16	square	2 x 4	0,413	1

Crimping pliers

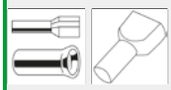
for end sleeves, precise hexagonal crimping profile, automatic setting to the conductor cross-section, unlockable forced lock, guarantees connections that meet DIN, high transmission and ergonomically shaped plastic handles for fatigue free working, **hexagon pressing**



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

Crimping pliers

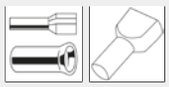
for end sleeves, precise crimping profile, automatic setting to the conductor crosssection, unlockable forced lock, guarantees connections that meet DIN, high transmission and ergonomically shaped plastic handles for fatigue free working, **hexagon pressing**



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

Front-Crimping pliers

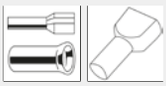
for end sleeves, precise **square pressing** profile, automatic adjustment on wire diameter, frontal approach allows working in small areas, sidewise approach for end sleeves up to 2.5 mm², with locking device, high transmission and ergonomically formed plastic handle, **square pressing**



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 complete set in case

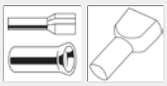
in case:
1 „Quadro“-pliers incl. magazine
2 spare magazines

Art. no.	TL	mm²	kg	PU
210682	170	0,5 - 2,5	0,713	1

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

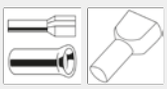


Video 217010-40

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 436.

Best-seller Premium product

haupa
MADE IN GERMANY
0804

Crimping pliers for insulated crimp cable lugs

INFO

Crimping pliers for insulated crimp cable lugs

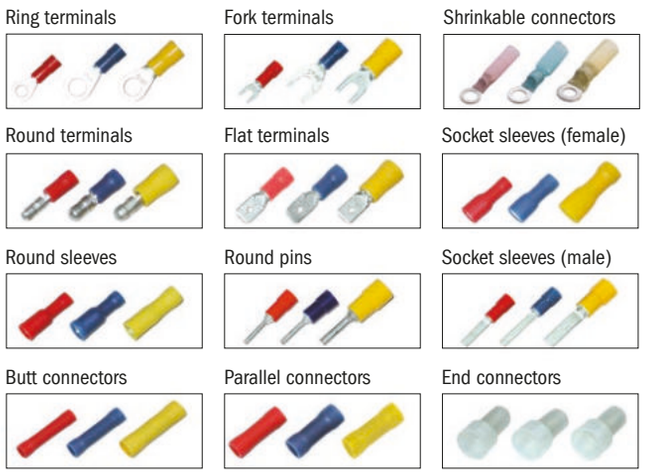
Insulated cable lugs and crimp cable lugs are crimped in an oval form.

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	1,5 - 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 ✸	1,5 - 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 436.

✸ Best-seller PREMIUM 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

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.

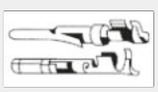
Crimping pliers

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

haupa®

... convincing solutions

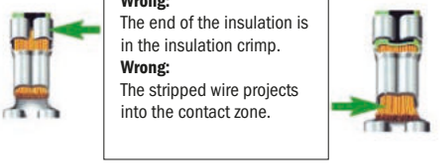
HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Crimping pliers for uninsulated open brass cable lugs

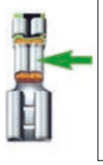
INFO

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.

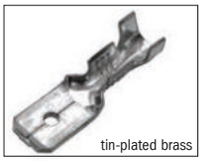


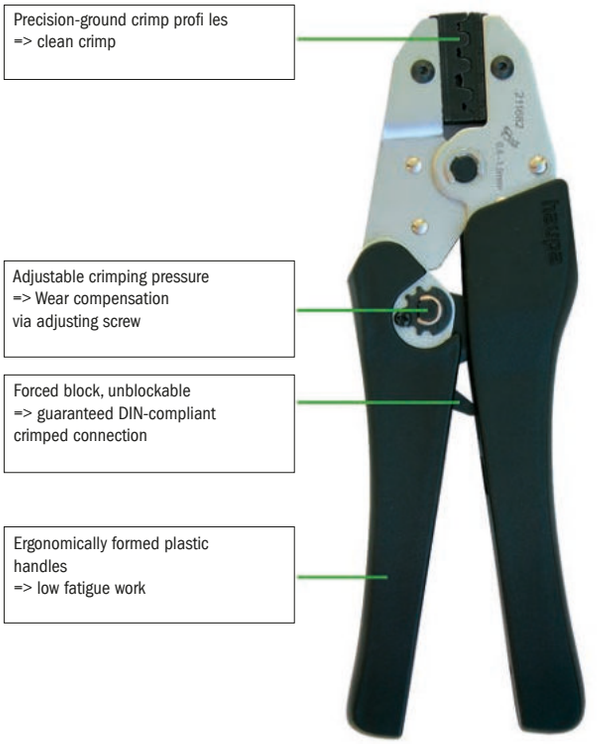
Correct:
The end of the insulation and the stripped wire are crimped accurately.
To facilitate accurate crimping a positioning aid is available for crimping pliers.

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 436.

Best-seller Premium product

Crimping pliers for uninsulated crimp cable lugs

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**

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

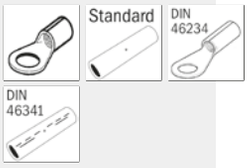
Crimping pliers

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

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

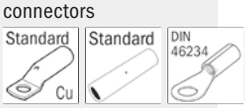
Crimping pliers

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
210771	1-2,5-4-6	1,5 - 6	0,478	1

Crimping pliers

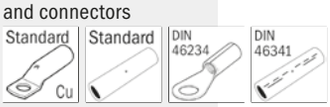
for non insulated crimp cable lugs, lever translated version for better transmission of force, with mandrel pressing, for standard tubular cable lugs and connectors. Particularly well suited to nickel tubular cable lugs and connectors



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



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

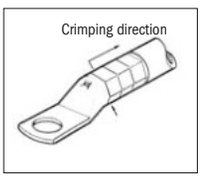
Crimping pliers for uninsulated tubular cable lugs

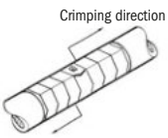
1. Choosing the connector
To achieve a standard-compliant connection it is necessary to choose the correct connector for the application and the right cable cross section.

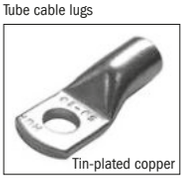
2. Stripping
Before notching, the cable must be stripped according to the insertion length (+10% due to change in length of the crimping sleeve.

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).







NEW

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
210771	1-2,5-4-6	1,5 - 6	0,478	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

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

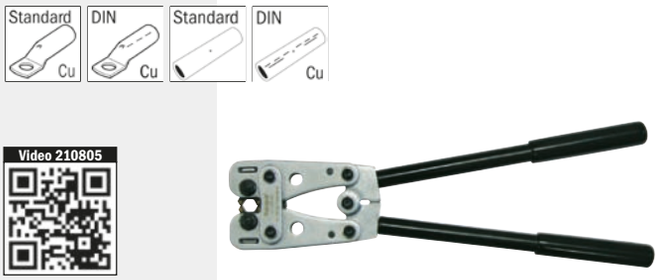
Crimping pliers

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
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 436.

✷ Best-seller PREMIUM Premium product

Crimping pliers for modular plugs

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

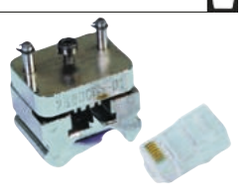
Art. no.	crimp	kg	PU
210871	RJ11 6(4), RJ12 6(4), RJ45, RJ10 4(4), RJ14	0,520	1

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

Art. no.	kg	PU
213000	0,420	1

Dies



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

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

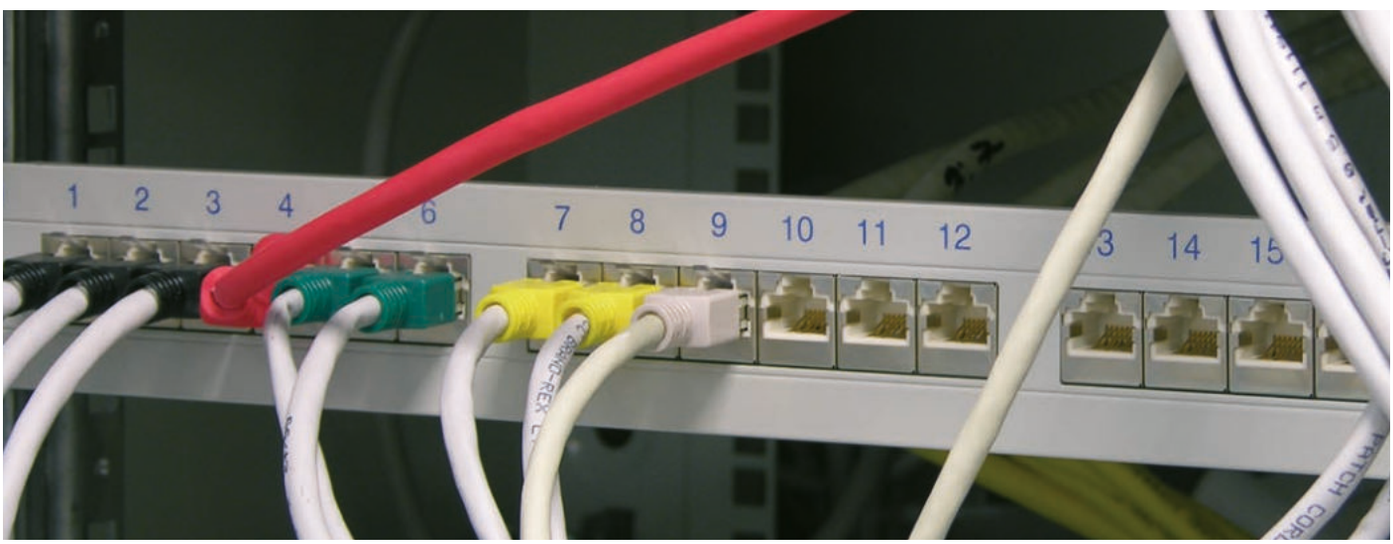
Dies

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 436.

Best-seller Premium product

Multi-functional pliers

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

Tool frame „HUPstar" – closed

Tool frame without star crimp, closed-frame desig

Art. no.	TL	kg	PU
213077	230	0,510	1

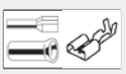
Crimping pliers „HUPstar"

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 Optik
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
Lokator für
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 436.

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 / 4 / 6
Multi-Contact MC3: 2,5 / 4 / 6
Multi-Contact MC4: 2,5 / 4 / 6
Tyco Solarlok: 1,5 / 2,5 / 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

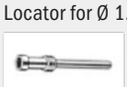
HUPstar „Fibre Optic Connector"

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"

for frame Art. no. 213077
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

Crimpset X-Crimp Photovoltaics

Crimping pliers for quick change of HAUPA precision crimping dies especially for photovoltaics. Delivery in robust nylon bag (Art. 220260).

Inhalt:
Art. 211690
Art. 211657/E
Art. 211659/E
Art. 210842/E
Art. 210761/E

Video 211692

Art. no.		kg	PU
211697	set PV	0,900	1

Crimping pliers X-Crimp

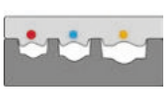
Crimping pliers used to quickly change HAUPA precision pressing inserts, including dies article 210761/E.

- 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	210761/E	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

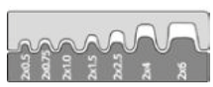
Crimping dies for end sleeves

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	6 - 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

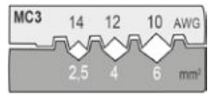
Crimping dies for flat connectors

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 MC3

for „multi-contact“ contacts



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

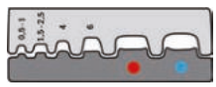
Crimping dies for Photovoltaik MC4

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 436.

✷ 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

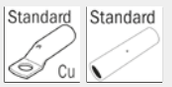
Metal box

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

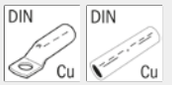
Crimping dies

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 436.

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.

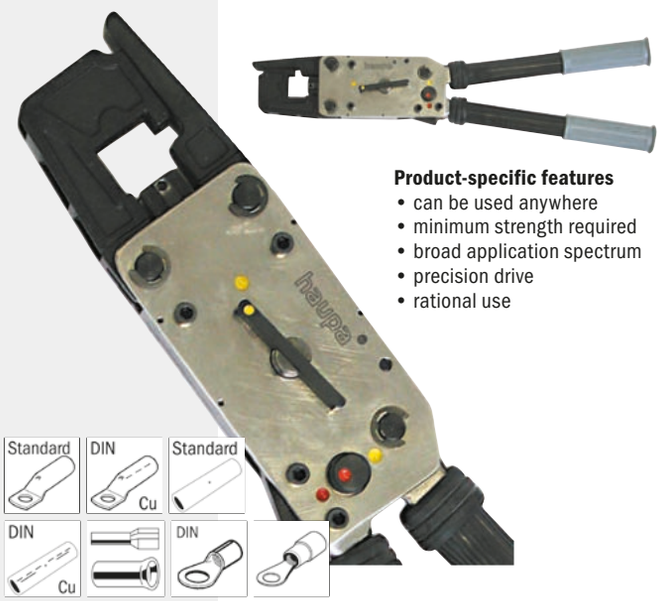
Crimping stroke and pressure (to approx. 5.5 t) are created by several hand lever movements. The manual force required is low due to the high efficiency of the system. The press and the connecting parts can only be separated from one another when the crimp is complete. This drive system ensures that 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

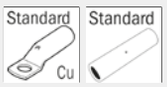
Metal box

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

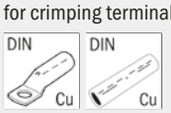
Crimping dies

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

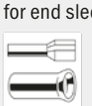
Crimping dies

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

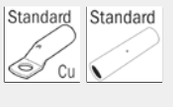
Metal box

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

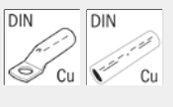
Crimping dies

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

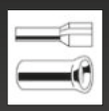
PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

1,5
0,25
0,5
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

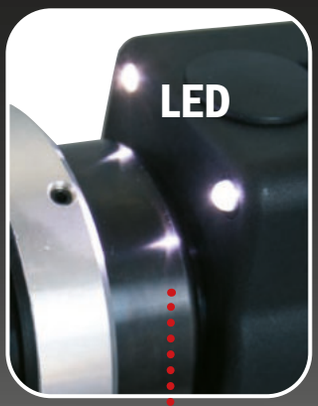
Hydraulic crimping tools

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 universal crimping tool

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

Art. no.	TL	kg	PU
216760-1	315	6,728	1
216760-1-NO	315	5,329	1
216760-1-N	315	2,413	1

NEW

Hydraulic hand pliers Universal „HUS-6“

Hand pliers for interchangeable pressing tools

- Pressing load kN: 60
- Working pressure in bar: 700

Art. no.	TL	kg	PU
216768	315	6,728	1

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

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

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

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 / Connectors standard Cu: 10-240 mm²
- Cable lugs / Connectors DIN Al: 50-240 mm²

10-240 standard | 10-240 standard | 50-240 DIN AL | 50-240 standard AL

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	GL	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 86.

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

haupa®

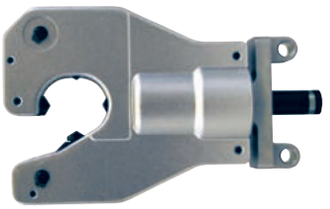
... convincing solutions

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

Crimping headstock „U-D300-6”

Pressing head 4-mandrel „U-KD300-6“ for exchange head system US-6M (216760-1), insert does not need to be changed, **mandrel pressing**.

- Pressing force in kN: 60 kN
- Cable lugs: standard Cu 16 – 300
- Connectors: standard Cu 16 – 120



Art. no.	mm²	TL	kg	PU
216665-U	16 - 300	180	2,700	1

Crimping headstock „U-D400-6”

Pressing head 4-mandrel „U-HKD400-6“ for exchange head system US-6M (216760-1), insert does not need to be changed, **mandrel pressing**.

- Pressing force in kN: 60 kN • Head can be opened
- Cable lugs: standard Cu 25 – 400
- Connectors: standard Cu 25 – 400

Art. no.	mm²	TL	kg	PU
216666-U	25 - 400	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, 216665-U, 216666-U)

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

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

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

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.

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.

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 436.

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.

- 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

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	6,540	1
215770-1-NO	10 - 185	398 x 75 mm	5,370	1
215770-1-N	10 - 185	398 x 75 mm	2,480	1

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

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	6,570	1
215770/M-1-NO	10 - 185	398 x 75 mm	5,400	1
215770/M-1-N	10 - 185	398 x 75 mm	2,480	1

Crimping dies standard

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

Standard Cu | Standard | 185-H6

Art. no.	mm²	PB	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	PB	KZ	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

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 crimping tool „SH-6“

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

- 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

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	6,650	1
215881-1-NO	10 - 240	415 x 75 mm	5,480	1
215881-1-N	10 - 240	415 x 75 mm	2,560	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	Größe	kg	PU
215881/M-1	10 - 240	415 x 75 mm	6,670	1
215881/M-1-NO	10 - 240	415 x 75 mm	5,500	1
215881/M-1-N	10 - 240	415 x 75 mm	2,590	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**

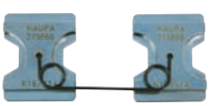
Standard Cu | Standard | 240-H6

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

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

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.

- 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	7,070	1
216801-1-NO	6 - 300	383 x 75 mm	5,910	1
216801-1-N	6 - 300	383 x 75 mm	2,990	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.

PREMIUM

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	6,670	1
216801/M-1-NO	6 - 300	383 x 75 mm	5,920	1
216801/M-1-N	6 - 300	383 x 75 mm	3,000	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.

- 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

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° | 60 min. | Li-ION 18V 4Ah | Sensor technik

Video 216800

Art. no.	mm²	dimension	kg	PU
216800-1	6 - 300	375 x 343 x 75 mm	9,400	1
216800-1-NO	6 - 300	375 x 343 x 75 mm	8,000	1
216800-1-N	6 - 300	375 x 343 x 75 mm	4,750	1

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

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

Crimping dies set Standard Cu

13 standard crimping dies in practical transport case
Set contains:
216806 CU 6, 216808 CU 10, 216810 CU 16, 216812 CU 25, 216814 CU 35, 216816 CU 50, 216818 CU 70, 216820 CU 95, 216822 CU 120, 216824 CU 150, 216826 CU 185, 216828 CU 240, 216830 CU 300

Standard Cu | Standard

Art. no.	TL	mm²	kg	PU
216805-SET	235	6 - 300	4,200	1

Crimping dies set DIN Cu

12 DIN-Crimping diesin practical transport case
Set contains:
216834 DIN 10, 216836 DIN 16, 216838 DIN 25, 216840 DIN 35, 216842 DIN 50, 216844 DIN 70, 216846 DIN 95, 216848 DIN 120, 216850 DIN 150, 216852 DIN 185, 216854 DIN240, 216856 DIN 300

DIN Cu | DIN Cu

Art. no.	TL	mm²	kg	PU
216831-SET	235	10 - 300	4,200	1

Crimping dies set DIN Aluminium

9 DIN-Crimping dies in practical transport case
Set contains:
216840/AL DIN 16-25, 216842/AL DIN 35, 216844/AL DIN 50, 216846/AL DIN 70, 216850/AL DIN 95-120, 216852/AL DIN 150, 216854/AL DIN 185, 216856/AL DIN 240, 216858/AL DIN 300

DIN Al | DIN Al

Art. no.	TL	mm²	kg	PU
216840/AL-SET	235	16 - 300	4,200	1

Crimping dies set Standard Aluminium

9 standard crimping dies in practical transport case
Set contains:
216812/Al AL 25, 216814/Al AL 35, 216816/Al AL 50, 216818/Al AL 70, 216820/Al AL 95, 216822/Al AL 120, 216824/Al AL 150, 216826/Al AL 185, 216828/Al AL 240

Standard Al | Standard Al

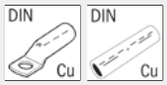
Art. no.	TL	mm²	kg	PU
216812/AL-SET	235	25 - 240	4,200	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

Dies

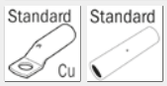
Dies for terminals and connectors DIN



300-06

Art. no.	Cu	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	12	5	0,120	1
216842	50	14	5	0,119	1
216844	70	16	5	0,120	1
216846	95	18	5	0,120	1
216848	120	20	5	0,120	1
216850	150	22	5	0,120	1
216852	185	25	5	0,120	1
216854	240	28	5	0,115	1
216856	300	32	5	0,120	1

Dies for terminals and connectors standard

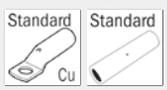


300-06

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

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“

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
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

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

Dies

Oval crimp for stripped pipe cable lugs

300-06

Art. no.	mm²	PW	kg	PU
216670	10	5	0,136	1
216672	16	5	0,136	1
216674	25	5	0,136	1
216676	35	5	0,135	1
216678	50	5	0,135	1
216680	70	5	0,134	1
216682	95	5	0,134	1
216684	120	5	0,134	1
216686	150	5	0,134	1

Dies for standard aluminium pipe cable lugs

300-06

Art. no.	mm²	PW	kg	PU
216812/AL	25	7	0.135	1
216814/AL	35	7	0.135	1
216816/AL	50	7	0.134	1
216818/AL	70	7	0.132	1
216820/AL	95	7	0.132	1
216822/AL	120	7	0.13	1
216824/AL	150	7	0.128	1
216826/AL	185	7	0.125	1
216828/AL	240	7	0.121	1

Dies for connectors with notch

300-06

Art. no.	mm²	kg	PU
216813	25	0,143	1
216815	35	0,143	1
216817	50	0,143	1
216819	70	0,143	1
216821	95	0,143	1
216823	120	0,143	1

Dies for DIN aluminium pipe cable lugs

300-06

Art. no.	mm²	PW	Id	kg	PU
216840/AL	25	7	12	0,120	1
216842/AL	35	7	14	0,119	1
216844/AL	50	7	16	0,120	1
216846/AL	70	7	18	0,120	1
216850/AL	95-120	7	22	0,120	1
216852/AL	150	7	25	0,120	1
216854/AL	185	7	28	0,120	1
216856/AL	240	7	32	0,115	1
216858/AL	300	7	34	0,120	1

Dies for indent crimping for compacted cables

300-06

Art. no.	mm²	kg	PU
216863	16	0,136	1
216865	25	0,136	1
216867	35	0,136	1
216869	50	0,135	1
216871	70	0,135	1
216873	95	0,134	1
216875	120	0,134	1
216877	150	0,134	1

Dies for C-connectors

300-06

Art. no.	mm²	PW	kg	PU
216984	16	5	0,135	1
216984/25	25	5	0,135	1
216985	35	5	0,135	1
216986	50	5	0,134	1
216986/70	70	5	0,132	1
216987	4-4	5	0,132	1
216988	10-10	5	0,132	1
216989	10-1	5	0,132	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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.

- 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

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° | 60 min. | Li-ION 18V 4Ah | Sensor

Video 216601

Art. no.	mm²	dimension	kg	PU
216601-1	10 - 400	375 x 375 x 75 mm	11,830	1
216601-1-NO	10 - 400	375 x 375 x 75 mm	9,150	1
216601-1-N	10 - 400	375 x 375 x 75 mm	5,900	1

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

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

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.

- 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

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° | 60 min. | Li-ION 18V 4Ah | Sensor

Video 216622

Art. no.	mm²	dimension	kg	PU
216622-1	10 - 400	430 x 340 x 75 mm	11,830	1
216622-1-NO	10 - 400	430 x 340 x 75 mm	10,430	1
216622-1-N	10 - 400	430 x 340 x 75 mm	7,180	1

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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.

- 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

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° | 60 min. | Li-ION 18V 4Ah | Sensor Technik

Video 216503

Art. no.	mm²	dimension	kg	PU
216503-1	10 - 400	405 x 353 x 75 mm	10,970	1
216503-1-NO	10 - 400	405 x 353 x 75 mm	9,570	1
216503-1-N	10 - 400	405 x 353 x 75 mm	5,320	1

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

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

Dies

Crimping dies DIN

for Copper and Aluminium, **hexagonal pressing**

Art. no.	mm²	PW	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	12	0,235	1
216044	50	13	14	0,231	1
216046	70	13	16	0,226	1
216048	95	14	18	0,229	1
216050	120	14	20	0,225	1
216052	150	10	22	0,197	1
216054	185	10	25	0,193	1
216056	240	10	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

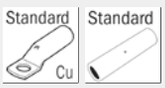
Crimping dies DIN

for DIN Aluminium terminals and connectors, **hexagonal pressing**

Art. no.	mm²	PW	Id.	kg	PU
216042/AL	16-25	12	12	0.235	1
216044/AL	35	12	14	0.231	1
216046/AL	50	12	16	0.226	1
216048/AL	70	12	18	0.229	1
216052/AL	95-120	14	22	0.197	1
216054/AL	150	14	25	0.193	1
216056/AL	185	14	28	0.185	1
216060/AL	240	17	32	0.142	1
216062/AL	300	17	34	0.142	1

Crimping dies

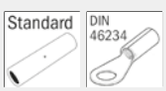
for standard Aluminium terminals and connectore, **hexagonal pressing**



Art. no.	mm²	PW	kg	PU
216012/AL	25	10	0.210	1
216014/AL	35	10	0.207	1
216016/AL	50	13	0.224	1
216018/AL	70	13	0.221	1
216020/AL	95	13	0.226	1
216022/AL	120	13	0.200	1
216024/AL	150	14	0.200	1
216026/AL	185	14	0.191	1
216028/AL	240	10	0.186	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

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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

tubular terminals and connectors, F-Type

F-Type haupa 400-C12

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 prerounding of square connectors

400-C12

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**

400-C12

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**

400-C12

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**

400-C12

Art. no.	mm²	PW	kg	PU
216148	16	16	0,135	1
216149	25	17	0,135	1
216150	35	20	0,135	1
216152	50	20	0,134	1
216153	70	20	0,132	1
216154	70	30	0,132	1
216156	95	30	0,132	1
216157	120	20	0,132	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

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 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**.

- 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

Art. no.	mm²	dimension	kg	PU
216669-1	10 - 240	455 x 75 mm	7,270	1
216669-1-NO	10 - 240	455 x 75 mm	6,100	1
216669-1-N	10 - 240	455 x 75 mm	3,180	1

Akkuhydraulisches Presswerkzeug „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	7,280	1
216669/M-1-NO	10 - 240	455 x 75 mm	6,110	1
216669/M-1-N	10 - 240	455 x 75 mm	3,190	1

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

Battery powered crimping tool „SD300-6“

Crimping head can be rotated by 360°, manual return flow after perfect pressure, **quad-mandrel pressing**.

- 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

Art. no.	mm²	dimension	kg	PU
216663-1	16 - 300	443 x 75 mm	7,970	1
216663-1-NO	16 - 300	443 x 75 mm	6,800	1
216663-1-N	16 - 300	443 x 75 mm	3,880	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.

Video 216663/M

Art. no.	mm²	dimension	kg	PU
216663/M-1	16 - 300	443 x 75 mm	8,280	1
216663/M-1-NO	16 - 300	443 x 75 mm	7,110	1
216663/M-1-N	16 - 300	443 x 75 mm	4,200	1

Test pin and gauge, see page 76.

Scope of delivery for all battery-hydraulic cable cutters:
1 tool, 1 quick charger and 1 rechargeable battery in SysCon or system case incl. Insert.

For versions -NO: no battery, no charger
For versions -N: only machine in transport packaging

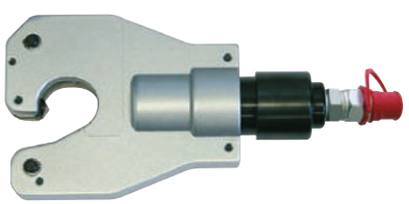
Hydraulic hand pliers „HD300-6“

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

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



Art. no.	mm²	dimension	kg	PU
216665	16 - 300	275 x 130 x 60 mm	3,800	1

Hydraulic quad-mandrel 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

Hydraulic crimping tools

Battery powered crimping tool „SD400-6“

Crimping head can be rotated by 360°, manual return flow after perfect pressure, mandrel shape pressing.

- 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

Art. no.	mm²	dimension	kg	PU
216667-1	25 - 400	455 x 75 mm	8,070	1
216667-1-NO	25 - 400	455 x 75 mm	6,900	1
216667-1-N	25 - 400	455 x 75 mm	3,890	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	8,260	1
216667/M-1-NO	25 - 400	455 x 75 mm	7,090	1
216667/M-1-N	25 - 400	455 x 75 mm	4,170	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	25 - 400	300 x 136 x 82 mm	4,000	1

Template for four mandrel pressing

Template for hydraulic four mandrel pressing tools to be used in connection with 216660/B

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 436.

Best-seller Premium product

NEW

Hydraulic hand pliers „HDE500-12“

Crimping headstock 180° rotatable, no dies neccessary, single-mandrel crimp.

- Pressing force in kN: 120
- Working pressure in bar: 700
- Hinged head
- Cable Lugs: standard Cu 16-500
- Connectors: standard Cu 16-500
- Weight in kg: 7,7

16-500 standard | 16-500 standard | DIN 46234 | 60 kN | 700 bar | 360°

Art. no.	mm²	kg	PU
216691	16 - 500	7,700	1

Battery powered crimping tool „ADE500-12M“ Sensor

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

- Pressing force in kN: 120
- Working pressure in bar: 700
- Hinged Head
- Cable lugs: standard Cu 16-500
- Connectors: standard Cu 16-500
- Pressing time, battery-operated in sec.: 6-12
- Battery charging time in min: 60
- Battery type: Li-Ion, 18 V, 4 Ah

16-500 standard | 16-500 standard | DIN 46234 | 120 kN | 700 bar | 360° | 60 min. | Li-ION 18V 4Ah | Sensor technik

Art. no.	TL	mm²	kg	PU
216668/M-1	450	16 - 500	11,430	1
216668/M-1-NO	450	16 - 500	9,700	1
216668/M-1-N	450	16 - 500	6,780	1

NEW

Headstock „KDE500-12“

- Pressing force in kN: 120
- Working pressure in bar: 700
- Hinged Head
- Cable Lugs: standard Cu 16-500
- Connectors: standard Cu 16-500
- Weight in kg: 3,5

16-500 standard | 16-500 standard | DIN 46234 | 120 kN | 700 bar | 360°

Art. no.	mm²	kg	PU
216690	16 - 500	3,500	1

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

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	0,126	1

Battery Li-Ion 18 V 2 Ah

compatible with all Li-Ion, 18 Volt Battery powered tools build before 2018

Art. no.	kg	PU
215503	0,383	1

Battery Li-Ion 18 V 4 Ah

compatible with all Li-Ion, 18 Volt Battery powered tools build before 2018

Art. no.	kg	PU
215511	0,651	1

Quick charger Li-Ion 18 V

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

18V Battery Adapter

Useful adapter for the use of Bosch-, Milwaukee- or Dewalt Batteries with HAUPA Battery powered tools.
- with sliding connection

Art. no.	Adapter for	kg	PU
215529	Bosch	0,350	1
215531	Milwaukee	0,350	1
215533	Dewalt	0,350	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

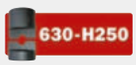
Best-seller Premium product

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.

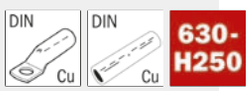
- Pressing force in kN: 250
- Working pressure in bar: 700
- Pressing area Cu/Al: 95-630
- Quick coupling
- Weight in kg: 6,4
- Weight of set in kg: 9



Art. no.	TL	mm²	kg	PU
216236	185	95 - 630	9,000	1

Crimping dies DIN-connection, Cu/Al

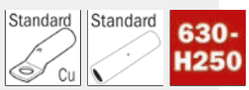
hexagon pressing dies according DIN 48083 page 4 suitable for DIN-connection material according to DIN. Cu ze (free of tensile)



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	500	-	42	1,110	1
212396	625	500	44	1,100	1

Crimping dies, standard, Cu

standard, **hexagonal pressing**

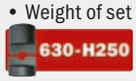


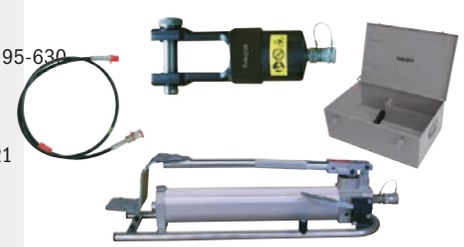
Art. no.	Cu	kg	PU
212580	95	1,340	1
212581	120	1,340	1
212582	150	1,335	1
212583	185	1,325	1
212584	240	1,250	1
212585	300	1,275	1
212586	400	1,160	1
212587	500	1,110	1
212588	625	1,100	1

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





Art. no.	mm²	kg	PU
216250	95 - 630	21,000	1

Hydraulic crimping headstock + cylinder „KH-45“

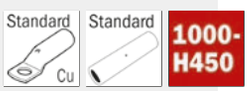
for terminals and butt connectors to 1000 mm², together with an adapter it is possible to use all other crimping dies of the other crimping headstock, low weight in comparison to the crimping range, excellent price relation, snap head, extensionable system to bend and punch electric bus bars socket-joint 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**



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	2,235	1
216332	400	-	38	2,300	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

haupa®

... convincing solutions

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
216364	2		1,260	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

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**.

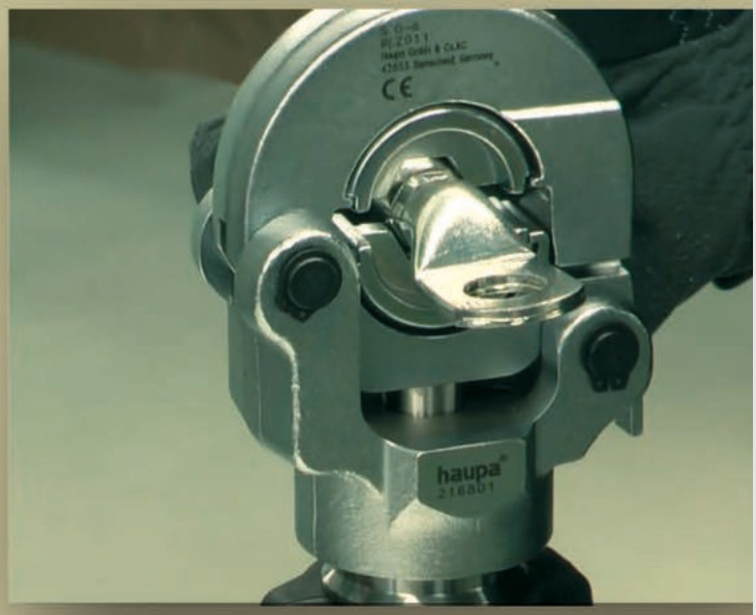
With the different colours of the sensor LED, it shows whether the pressing has been completed successfully or which errors have occurred:
- Light is green: Pressing completed as standard, motor stopped.
- Light is orange: Battery voltage not sufficient
- Light is red: Pressing interrupted before completed

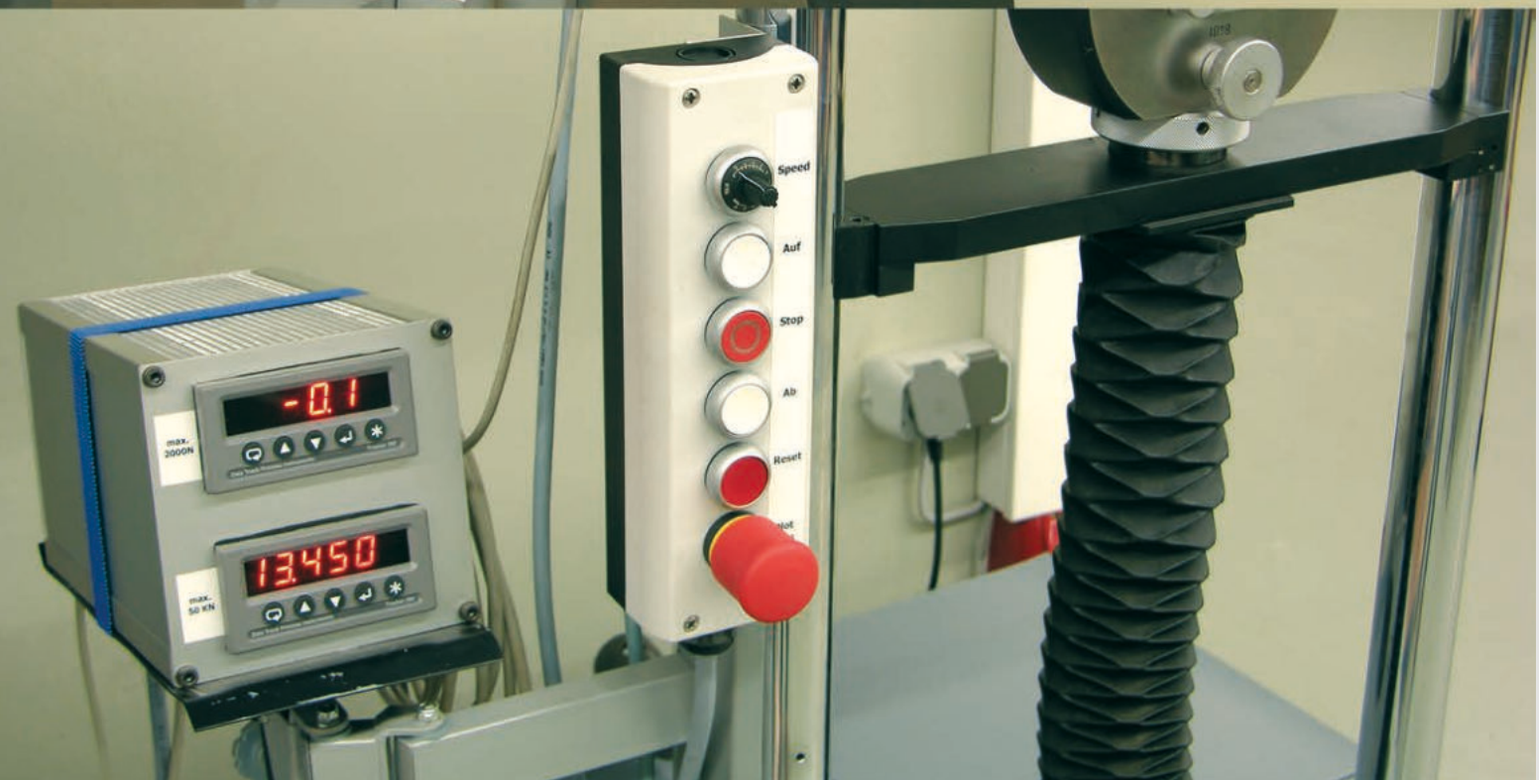
Cutting/Pressing/Punching

Art. no.	NP		kg	PU
216357	700	Akku	8,000	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product


haupa


-0.1
13.450
Speed
Auf
Stop
Ab
Reset

6 tonne pressing tools

Tool	Article No.	Type	Insert range	Pressing width	Sensor technology	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. no. 216765) can be found on P. 61.

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 436.

Best-seller Premium product

Punch and bending centre

Basic unit

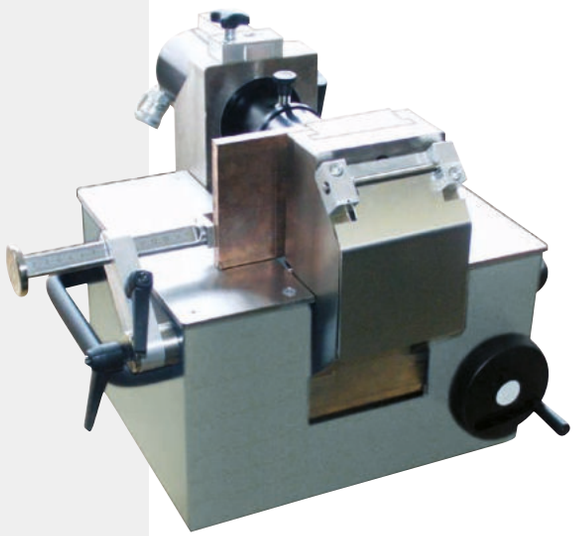
Basic unit to accommodate bending, hole-making, cutting and cranking tools. The processing of lamellar copper rails is possible! Hydraulic tool for connection to a hydraulic pump with 700 bar (10,000 PSI).
The universal tool system is particularly suited for use in workshops and on building sites. Copper 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°.

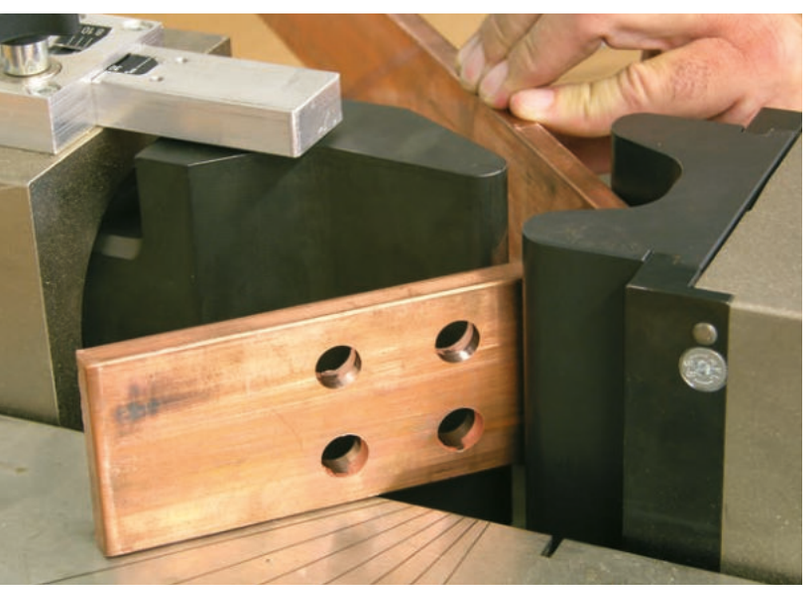
Hole-making:
The height-adjustable table with side stopper makes working easier. Marking out and measuring is not necessary. Holes from 6.5 to 21.0 mm in diameter can be punched. Slotted holes up to 14 x 20 mm. With the hole tool II holes can be made in lamellar copper rails and grounding bands.

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.



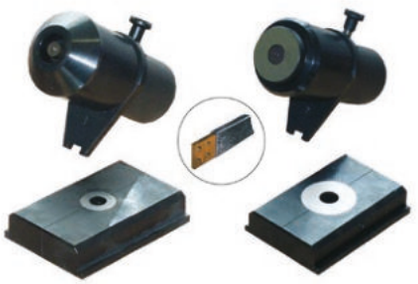
Art. no.	kg	PU
216770	51,000	1



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

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

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

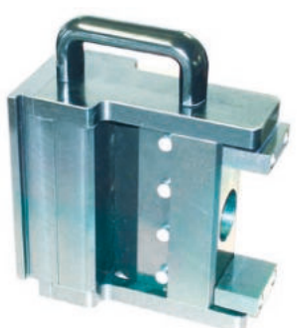
Cutting tool

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

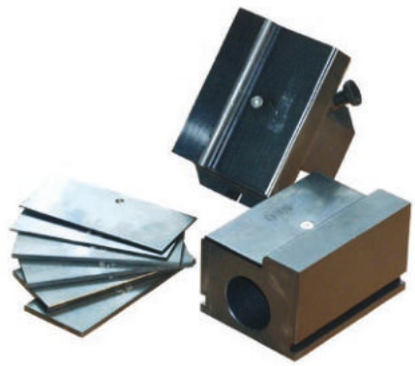
for separating lamellar rails made from copper, maximum dimensions: 12 x 120 mm



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“

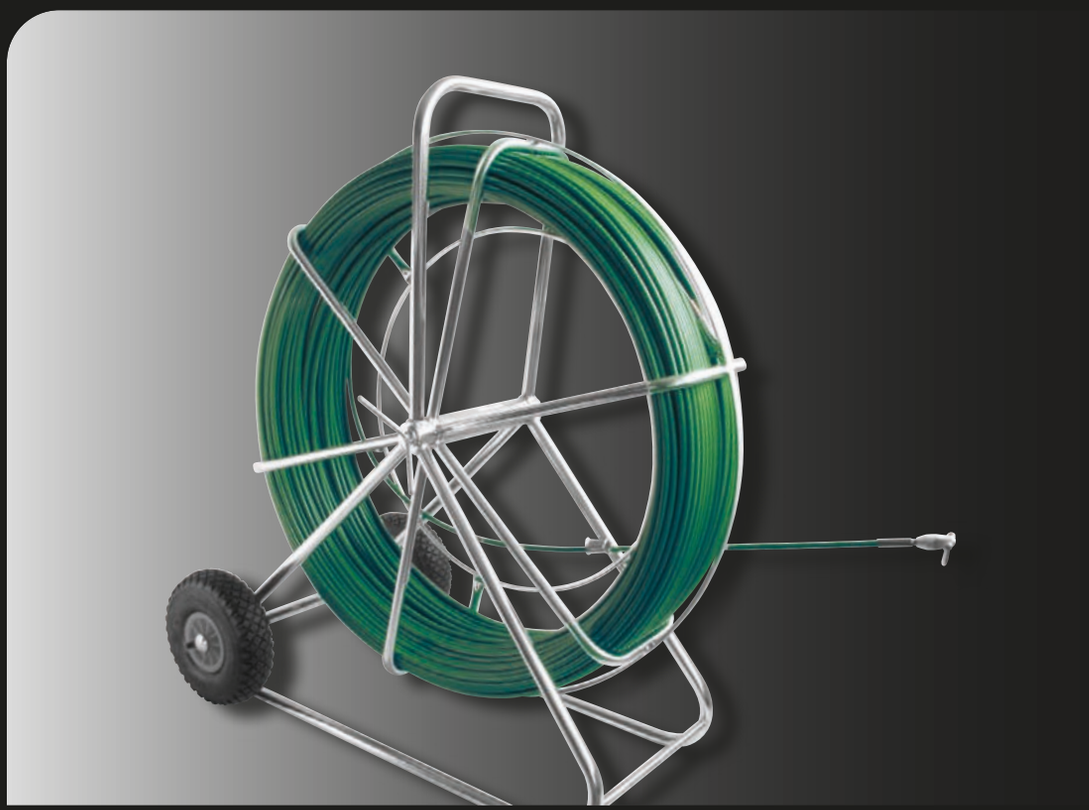
electric foot switch, completely self-acting, also the release of the dies at the end of the operation, 2 m high pressure tube and hydraulic connectors, for industrial uses, where a high level of production is needed, 230 volt, with foot switch control, pump for working outside

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 436.

Best-seller Premium product

Fish tapes
Cable pulling device system

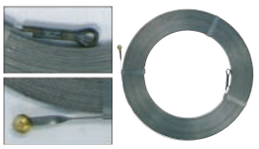


haupa®
... convincing solutions

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

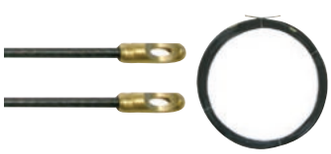
Perlon fish tapes

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 436.

✷ Best-seller Premium product

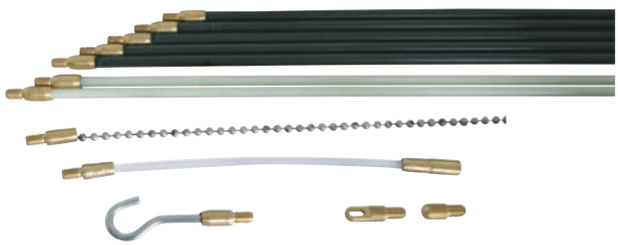
Fibreglas section fish rods kits

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



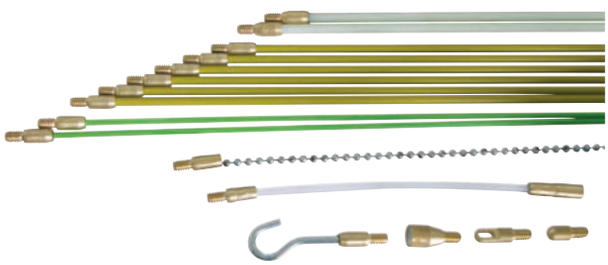
Art. no.	TL		kg	PU
150560	7	12 pcs.	0,500	1

Fibre glass push rod set

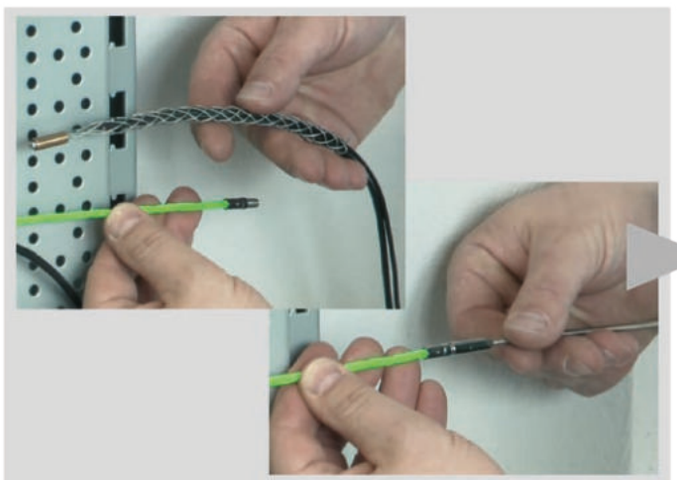
in nylon bag.

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
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 92

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

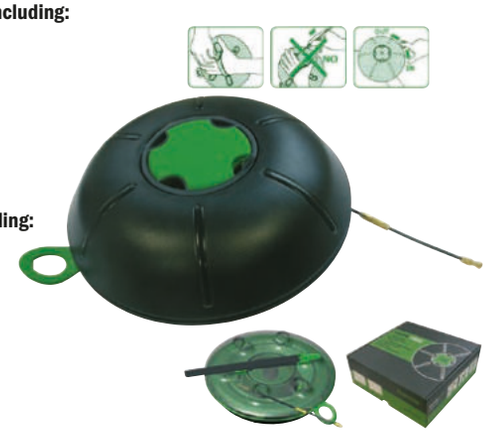
Cable pulling device HAUPA-FIBRE

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 436.

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

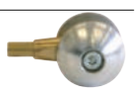
Guiding head with loop M5

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 436.

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

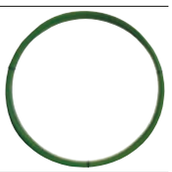
Art. no.	TL		Ø	kg	PU
143210	40	M12	9	9,100	1
143212	60	M12	9	12,900	1
143214	80	M12	9	14,820	1

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

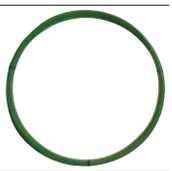
Cable pulling device POWER with glass fibre rod Ø 11 mm and green PP coating RAL 6018, with zinced steel winder Ø 1000 mm, width 150 mm, standing version with wheels, including front/end sleeve M12 and front bulb with shackle M12

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 436.

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

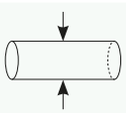
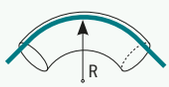
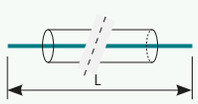
Hand-braided cable grips made from zinced steel braid with 1 loop or 2 loops and integrally moulded Talurit ferrule.

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 436.

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

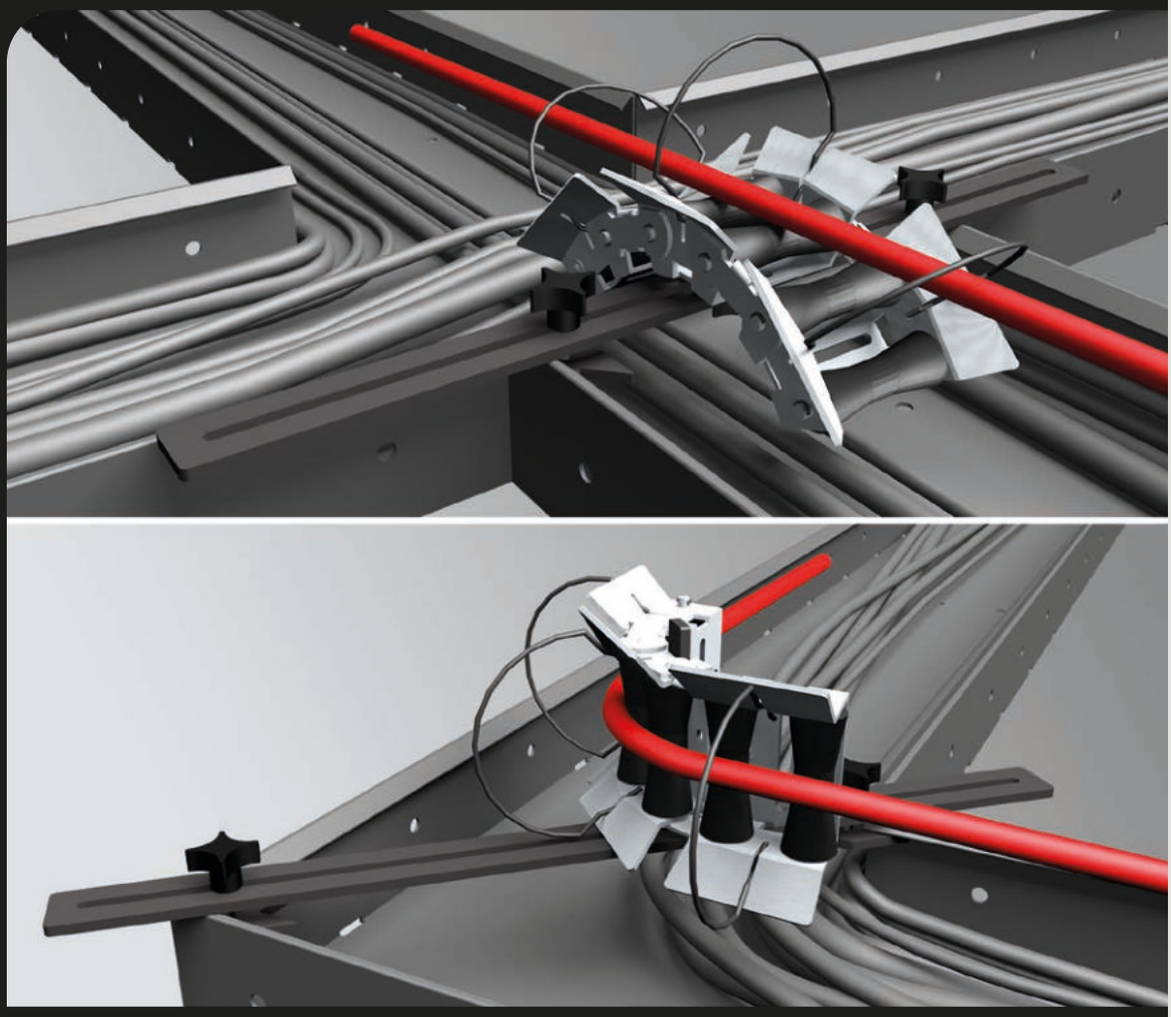
Video 143404

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 436.

✷ 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

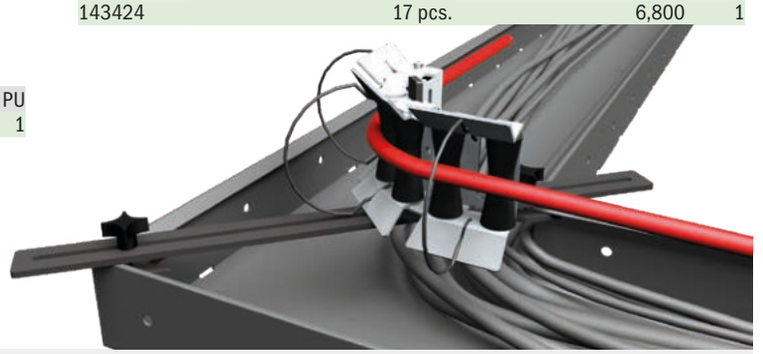
Art. no.		kg	PU
143422	14 pcs.	4,800	1

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 436.

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“

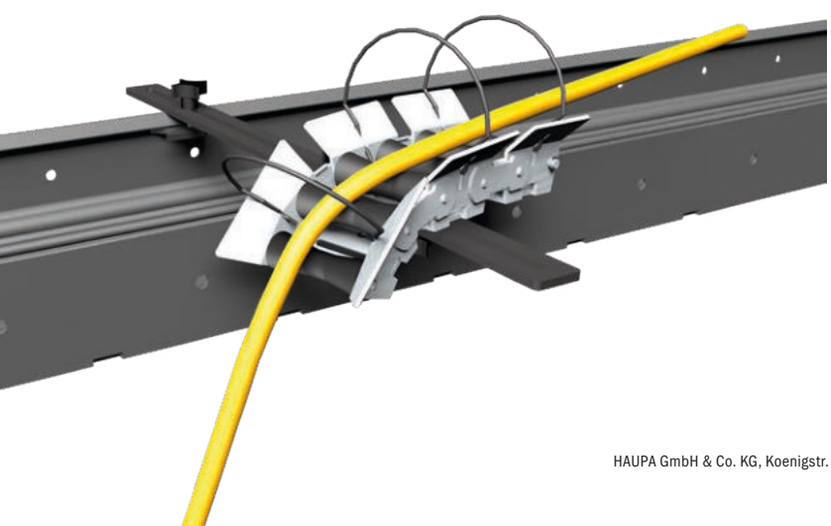
Art. no.		kg	PU
143432	14 pcs.	5,700	1

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“

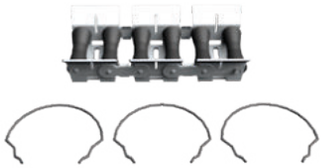
Art. no.		kg	PU
143434	17 pcs.	7,700	1



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

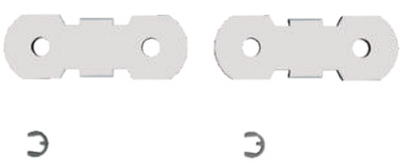
Mounting bracket „CableGo“

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“

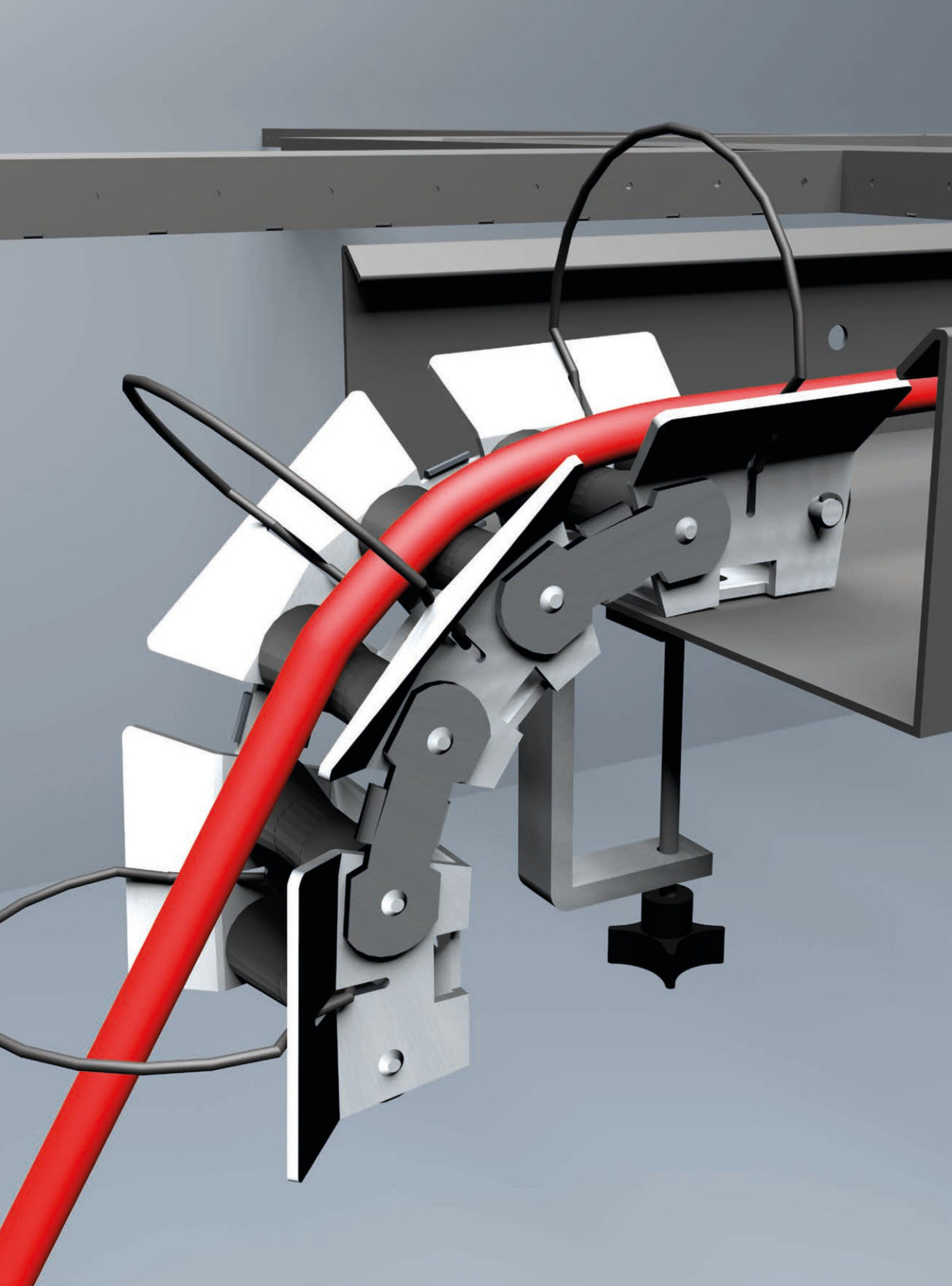
Wire brackets for basic modules.

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

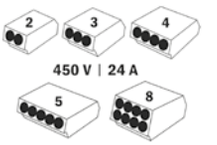
RoHS

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

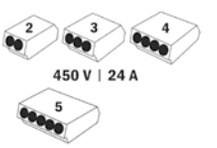


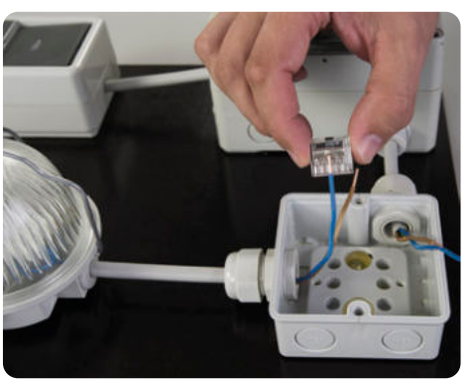
Connecting clamps, Nylon

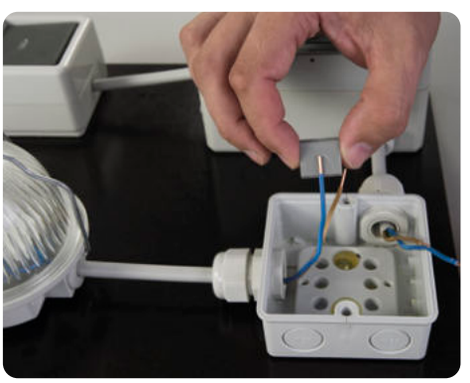
Nylon

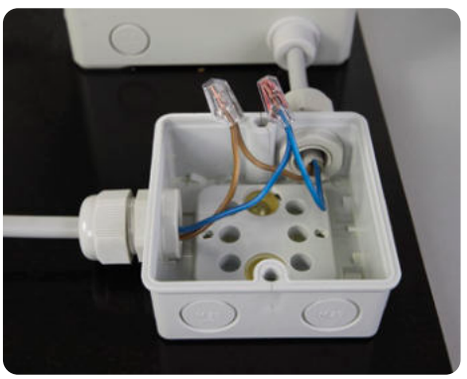
Connecting clamps, 2-8 pin, Nylon

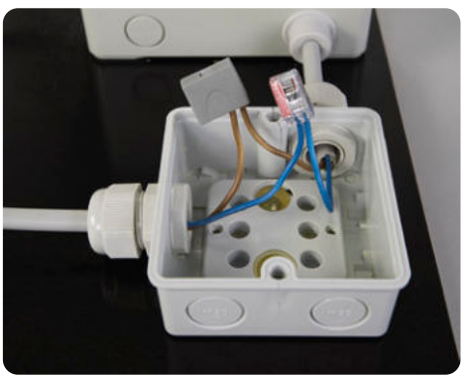
Art. no.	CSS	Pol	Volt	A	kg/100	PU
265033	**1,0 - 2,5**	2	450	24	0,013	100
265034	**1,0 - 2,5**	3	450	24	0,013	100
265035	**1,0 - 2,5**	4	450	24	0,013	100
265036	**1,0 - 2,5**	5	450	24	0,013	100

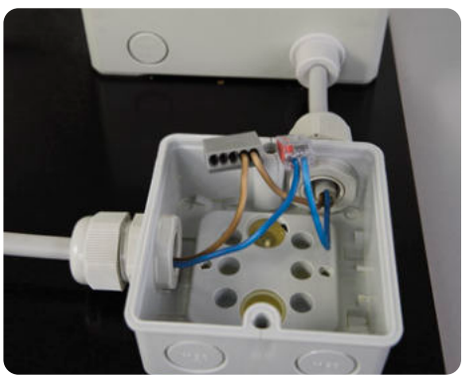












PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

End sleeves

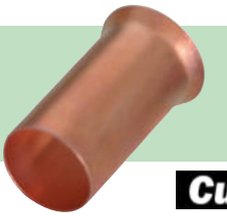
haupa®

... convincing solutions

RoHS

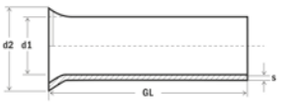
End sleeves

- **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 436.

Best-seller Premium product

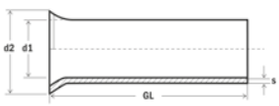
RoHS

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



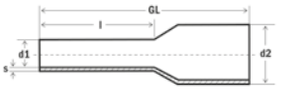
haupa®

...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

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

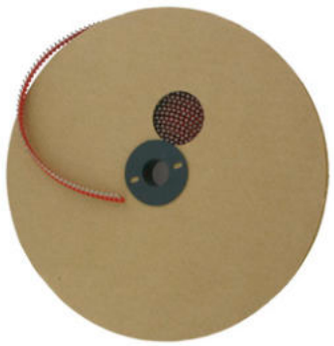
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ Best-seller 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

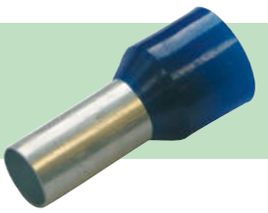
- **insulated**
- **Copper/plastic, tin-plated surface**

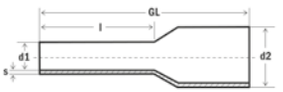
Art. no.	CSS		l	dispenser		kg/100	PU
272280	**0,5**	white	**8**	150x150x18 mm		0,070	1000
272284	**0,75**	grey	**8**	150x150x18 mm		0,100	1000
272290	**1**	red	**8**	150x150x18 mm		0,120	1000
272294	**1,5**	black	**8**	150x150x18 mm		0,120	1000
272298	**2,5**	blue	**8**	150x150x18 mm		0,140	500

RoHS

End sleeves, colour range I, (french)

- **insulated**
- **Electrolytic copper, tin-plated**
- **Dimensions to DIN 46228. Part 4**
- **Colour range I, french**

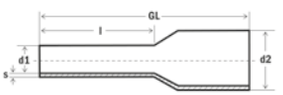




Art. no.	CSS		d1	d2	s	TL	l	kg/100	PU
270014	**0,25**	yellow	0,8	2,3	0,15	10,4	**6**	0,005	100
270015		yellow	0,8	2,3	0,15	10,4	**6**	0,023	500
270016	**0,34**	green	0,8	2,5	0,15	12,4	**6**	0,022	500
270800	**0,5**	white	1,1	3,1	0,15	14,0	**8**	0,010	100
270801		white	1,1	3,1	0,15	14,0	**8**	0,009	500
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
270812		blau	2,3	4,9	0,15	16,5	**8**	0,018	500
272812		blau	2,3	4,9	0,15	17,4	**10**	0,030	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 436.

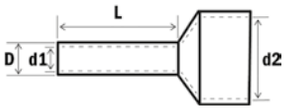
Best-seller Premium product

RoHS

End sleeves for short-circuit-proof cables

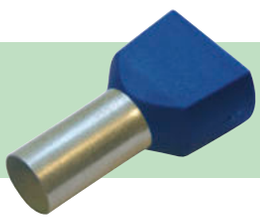
- **for short-circuit-proof cables with extra thick insulation (NSFGAFÖU)**
  Application: Infeed or branches in front of mains switch, in switching stations, distributors or with rail vehicles, solar heating units, ignition cables

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

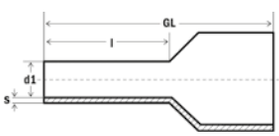


Twin-end sleeves two cables DIN

- **tube section of electrolytic copper**
- **galvanically tin-plated**
- **plastic collar of PP**
- **heat-resistant to 105°C**



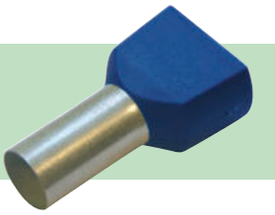
Art. no.	CSS		d1	s	TL	l	kg/100	PU
270778 ✷	**0,5**	white	1,5	0,15	15,0	**8**	0,011	100
270780 ✷	**0,75**	grey	1,8	0,15	15,0	**8**	0,013	100
270782		grey	1,8	0,15	17,0	**10**	0,014	100
270784 ✷	**1**	red	2,05	0,15	15,0	**8**	0,014	100
270787		red	2,05	0,15	17,0	**10**	0,015	100
270788 ✷	**1,5**	black	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



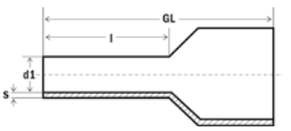
RoHS

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
270798/5	**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 436.

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 436.

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

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.

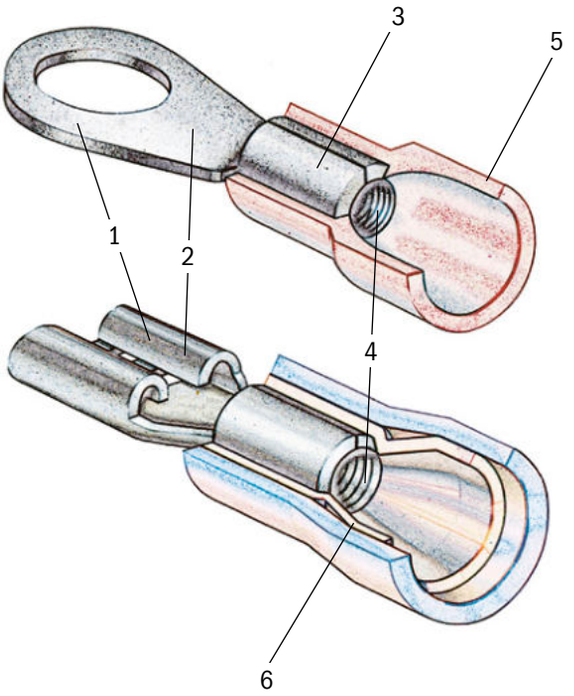
Insulation
The standard models are available with insulation in special self-extinguishing PVC or in Nylon and in colours according to International Standards. The high quality of the insulation materials employed for all crimp terminals ensure a high degree of resistance to the mechanical solicitations 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



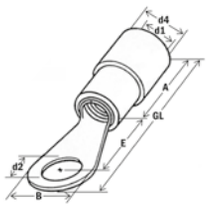
Underwriters Laboratories Inc.
Listed File E338116, E336314

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

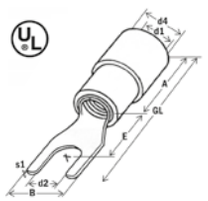


Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
260243	**0,2 - 0,5**	2	2,2	1,00	2,3	0,5	8,0	16,5	6,0	5,0	0,050	500	100
260245		3	3,2	1,00	2,3	0,5	8,0	16,5	6,0	5,0	0,070	500	100
260246		3,5	3,7	1,00	2,3	0,5	8,0	16,5	8,0	6,0	0,070	500	100
260247		4	4,3	1,00	2,3	0,5	8,0	19,3	8,0	6,5	0,065	500	100
260248		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

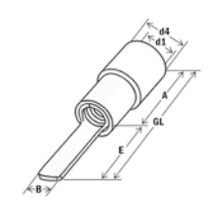


Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
260300	**0,5 - 1,0**	3	3,2	1,95	4,2	0,8	10,4	20,0	6,7	5,6	0,065	500	100
260302		3,5	3,7	1,95	4,2	0,8	10,4	19,4	6,5	6,5	0,065	500	100
260304		4	4,2	1,95	4,2	0,8	10,4	20,9	6,3	6,4	0,070	500	100
260306		5	5,2	1,95	4,2	0,8	10,4	21,2	8,0	8,0	0,092	500	100
260308		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

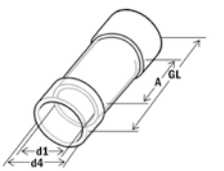
RoHS

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

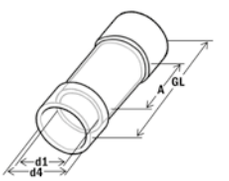


Parallel connectors

- 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

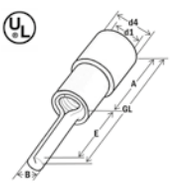


Round pins

- 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

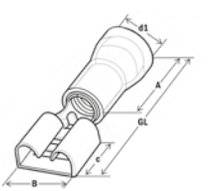


Socket sleeves (female)

- 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 436.

✸ Best-seller PREMIUM Premium product

Crimp terminals, PVC-insulated

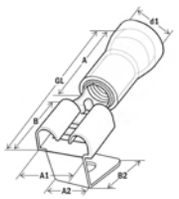
RoHS

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	

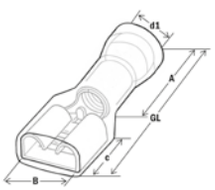


Socket sleeves (female), fully-insulated

- **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	

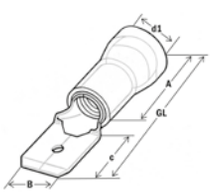


Flat terminals

- **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	

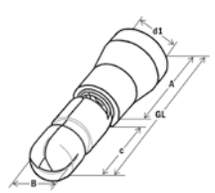


Round terminals

- **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

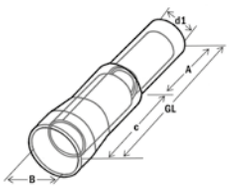
Crimp terminals, PVC-insulated

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**	20,0	27,0	0,130		100
260500		9,8	37,0	0,100		100
260337	**1,5 - 2,5**	20,0	27,0	0,130		100
260502		9,8	37,0	0,120		100
260338	**4,0 - 6,0**	20,5	34,5	0,290		100
260504		9,8	37,0	0,140		100

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ Best-seller 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 436.

Best-seller Premium product

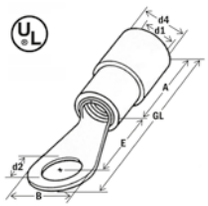
Crimp terminals, Nylon-insulated

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

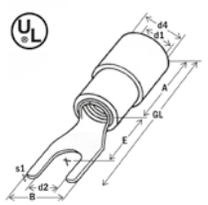


Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU	
260650	**0,5 - 1,0**	2,5	2,6	1,95	4,2	0,8	10,4	22,2	8,6	8,0	0,072	500	100	
260651		3	3,2	1,95	4,2	0,8	10,4	22,2	8,6	8,0	0,070	500	100	
260654		3,5	3,6	1,95	4,2	0,8	10,4	22,2	7,8	8,0	0,067	500	100	
260656		4	4,2	1,95	4,2	0,8	10,4	22,0	7,5	8,0	0,079	500	100	
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

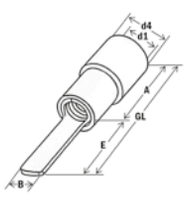


Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU	
260700	**0,5 - 1,0**	3	3,2	1,95	4,2	0,8	10,4	20,0	6,7	5,6	0,068	500	100	
260702		3,5	3,7	1,95	4,2	0,8	10,4	19,4	6,5	6,5	0,066	500	100	
260704		4	4,2	1,95	4,2	0,8	10,4	20,9	6,3	6,4	0,071	500	100	
260706		5	5,2	1,95	4,2	0,8	10,4	21,2	8,0	8,0	0,092	500	100	
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

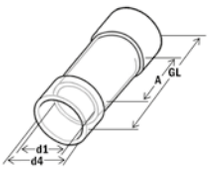
Crimp terminals, Nylon-insulated

RoHS

Butt connectors

- of electrolytic copper, tin-plated • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon ›105°/600V

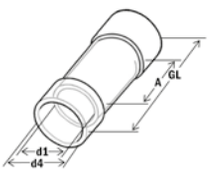


Art. no.	CSS	d1	d4	A	TL	kg/100		PU
260750	**0,5 - 1,0**	1,7	4,0	15,0	22,7	0,103	500	100
260752	**1,5 - 2,5**	2,3	4,5	15,0	22,7	0,128	500	100
260754	**4,0 - 6,0**	3,4	6,8	15,0	26,7	0,221	500	100

Parallel connectors

- of electrolytic copper, tin-plated • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon ›105°/600V

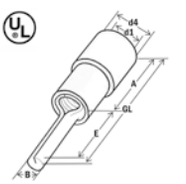


Art. no.	CSS	d1	d4	A	TL	kg/100		PU
263360	**0,5 - 1,0**	1,7	4,0	8,0	16,0	0,069	500	100
263362	**1,5 - 2,5**	2,3	4,5	8,0	16,0	0,080	500	100
263364	**4,0 - 6,0**	3,4	6,8	8,0	16,0	0,150	500	100

Round pins

- of electrolytic copper, tin-plated • Easy Entry
- Nylon-insulated, with expanded insulating sleeve, suitable for harmonised cables

Nylon ›105°/600V

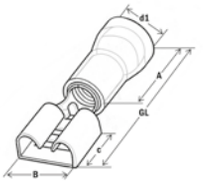


Art. no.	CSS	d1	d4	A	TL	E	B	kg/100		PU
260770	**0,5 - 1,0**	1,95	4,2	10,4	22,0	12	1,9	0,072	500	100
260771		1,95	4,2	10,4	20,0	9,0	1,9	0,064	500	100
260772	**1,5 - 2,5**	2,45	4,8	11,0	23,0	12,0	1,9	0,079	500	100
260773		2,45	4,8	11,0	20,0	9,0	1,9	0,074	500	100
260774	**4,0 - 6,0**	3,6	6,6	14,0	28,0	14,0	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 436.

Best-seller Premium product

Crimp terminals, Nylon-insulated

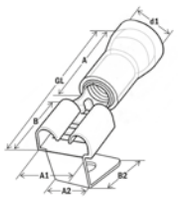
RoHS

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

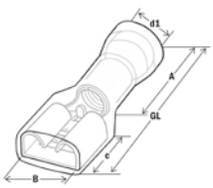


Socket sleeves (female), fully-insulated

- **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

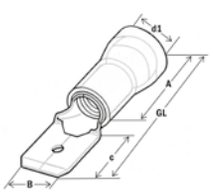


Flat terminals

- **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

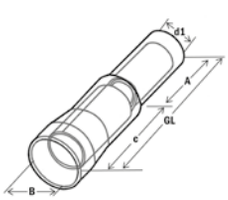


Round sleeves

- **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

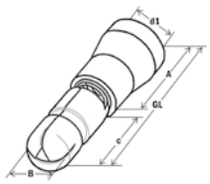
RoHS

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

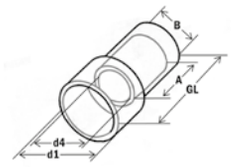


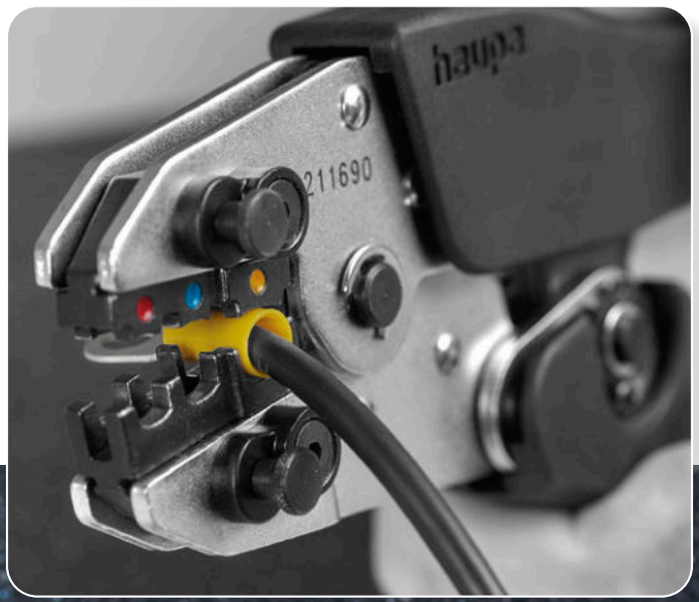
End connectors

- 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





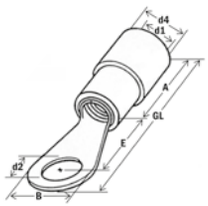
Crimp terminals, PC-insulated

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

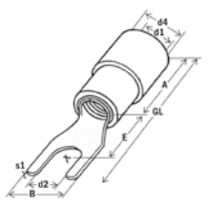


Art. no.	CSS	M	d2	d1	d4	s1	A	TL	E	B	kg/100		PU
340256	**0,5 - 1,0**	4	4,3	1,6	4,0	0,8	11,0	22,0	7,0	8,0	0,170	500	100
340258		5	5,3	1,6	4,0	0,8	11,0	24,0	8,0	10,0	0,220	500	100
340270	**1,5 - 2,5**	4	4,3	2,3	4,5	0,8	11,0	22,0	7,0	8,0	0,220	500	100
340272		5	5,3	2,3	4,5	0,8	11,0	25,0	9,0	10,0	0,250	500	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

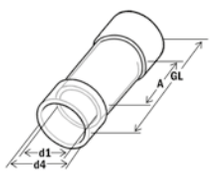


Art. no.	CSS	M	d2	d1	s1	A	TL	E	B	kg/100		PU
340304	**0,5 - 1,0**	4	4,3	1,6	0,8	11,0	22,3	7,0	6,6	0,105	500	100
340314	**1,5 - 2,5**	4	4,3	2,3	0,8	11,0	22,3	7,0	6,6	0,200	500	100
340322	**4,0 - 6,0**	6	6,5	3,6	1,0	13,0	29,5	10,0	10,7	0,220	500	100

Butt connectors

- **of electrolytic copper, tin-plated, soldered • suitable for harmonised cables**
- **PC-insulated, with expanded insulating sleeve • Easy Entry**

PC ›125°/600V

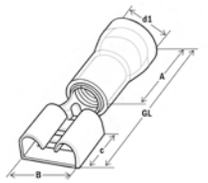


Art. no.	CSS	d1	d4	A	TL		kg/100		PU
340350	**0,5 - 1,0**	1,7	4,0	14,7	25,0		0,110	500	100
340352	**1,5 - 2,5**	2,3	4,5	14,7	25,0		0,130	500	100
340354	**4,0 - 6,0**	3,4	6,3	14,7	27,0		0,240	500	100

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

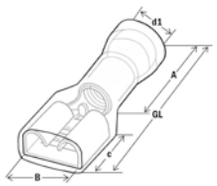
Crimp terminals, PC-insulated

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

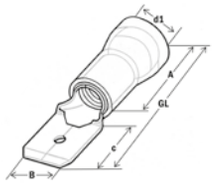


Flat terminals

- **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



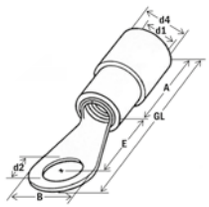
RoHS

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	

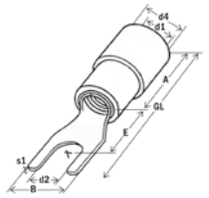


Fork terminals “ECO-Line”

• 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	

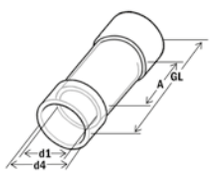


Butt connectors “ECO-Line”

• 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	

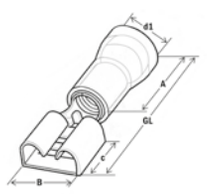


Socket sleeves (female) “ECO-Line”

• 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

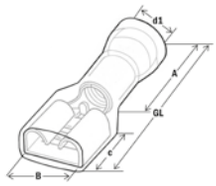
RoHS

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

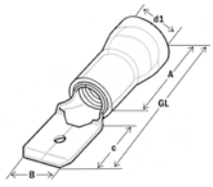


Flat terminals “ECO-Line”

- **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.

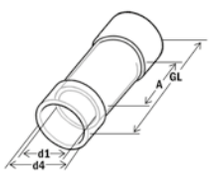
SUITABLE FOR MAKING WATERPROOF CONNECTIONS: • Shrink ratio 3:1 • Shrink temperature: >+125°C • Temperature resistance: -55°C to + 125°C • Insulating sleeve: Polyolefi n with inside adhesive • Non-halogen • RoHS conform • No additional insulating and sealing required • Waterproof splice connection • Space-saving 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 200).
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

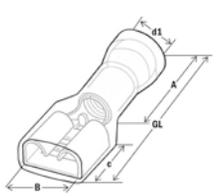
Art. no.	CSS	A	TL	kg/100		PU
363500 *	**0,5 - 1,0**	14	36	0,120	500	100
363502 *	**1,5 - 2,5**	15	36	0,132	500	100
363504 *	**4,0 - 6,0**	15	41	0,300	500	100



Socket sleeves (female)

• Brass, tin-plated • Insulating cover: Polyolefin with inside adhesive
• RoHS conform

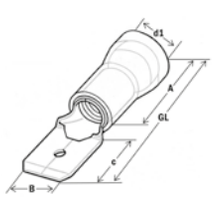
Art. no.	CSS	plug	TL	B	kg/100		PU
363510	**0,5 - 1,0**	6,3x0,8	30,0	6,6	0,129	500	100
363512	**1,5 - 2,5**	6,3x0,8	30,0	6,6	0,138	500	100
363514	**4,0 - 6,0**	6,3x0,8	30,0	6,6	0,200	500	100



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

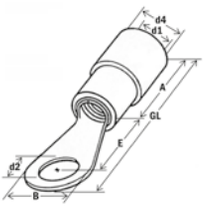
HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

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“

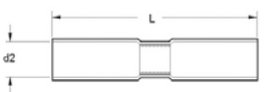
- **Copper, tin-plated • RoHS-conform**
- **Insulating cover: Polyolefin with inside adhesiver**

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

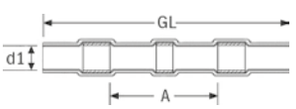
- **Copper, tin-plated • Insulating cover: Polyolefin with inside adhesive**
- **RoHS conform**



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 436.

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		

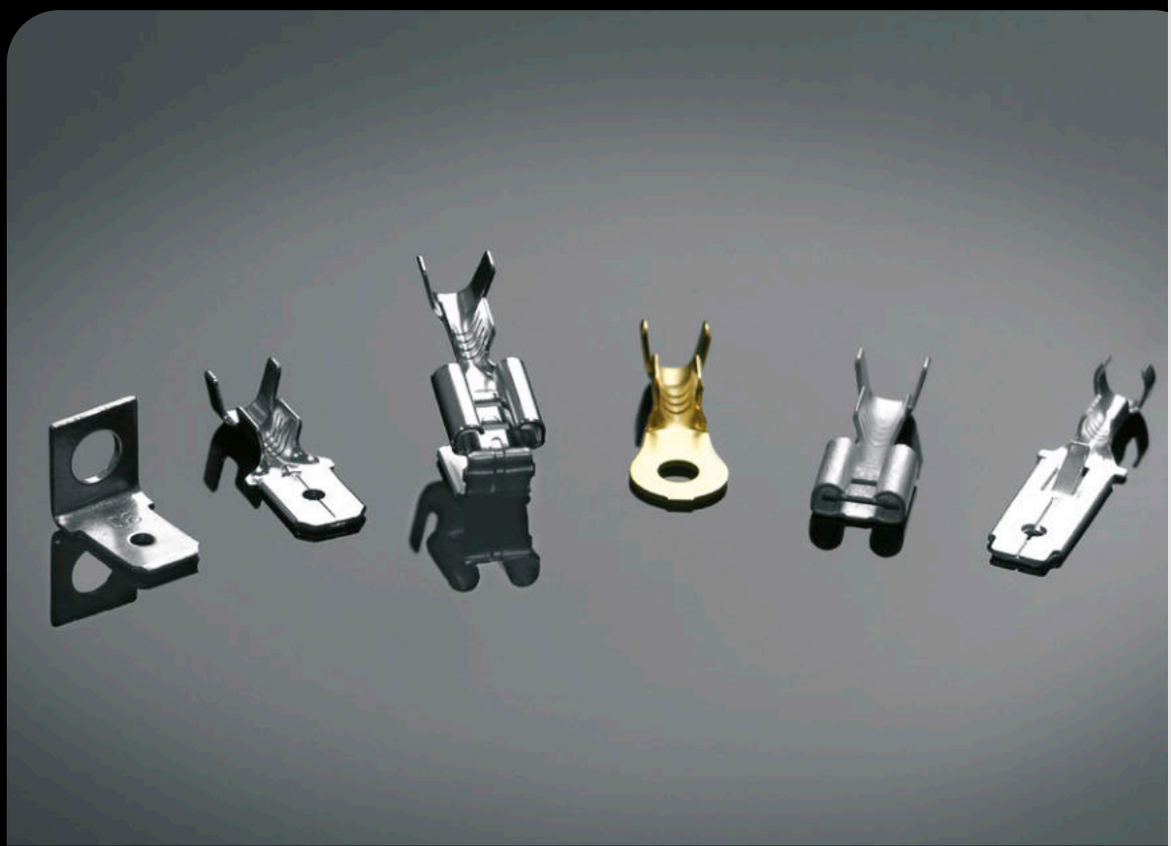
Art. no.	Content	kg	PU
220391	3700	4,300	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

Socket sleeves



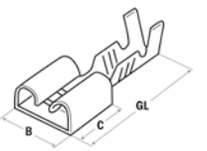
haupa®
... convincing solutions

Socket sleeves (male and female)

RoHS

Socket sleeves (female)

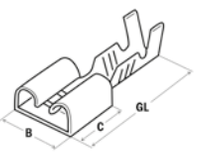
- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**



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)

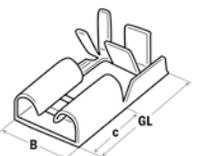
- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**



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	0,041	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)

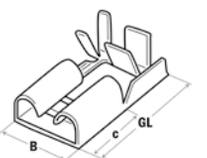
- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**



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

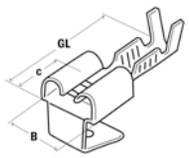
PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

Socket sleeves (female) with branch

- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**

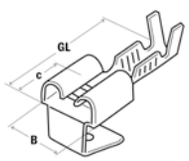
Art. no.	CSS	plug	TL	c	B	kg/100	PU
280080	**0,5 - 1,0**	6,3x0,8	19,6	7,7	7,6	0,108	200
280084	**1,0 - 2,5**	6,3x0,8	16,2	7,7	7,6	0,103	200



Socket sleeves (female) with branch

- **bare brass**
- **not insulated, to DIN 46247/part 1 - 3 and similar**

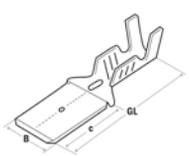
Art. no.	CSS	plug	TL	c	B	kg/100	PU
280090	**0,5 - 1,0**	6,3x0,8	19,6	7,7	7,6	0,110	200
280094	**1,0 - 2,5**	6,3x0,8	16,2	7,7	7,6	0,112	200



Flat terminals

- **bare brass**
- **uninsulated**

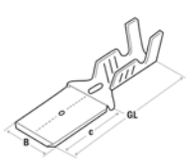
Art. no.	CSS	plug	TL	c	B	kg/100	PU
280100	**0,5 - 1,0**	6,3x0,8	20,6	6,35	6,3	0,055	200
280104	**1,0 - 2,5**	6,3x0,8	17,2	6,35	6,3	0,057	200



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

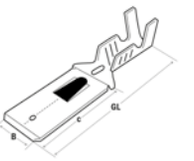


Socket sleeves (male and female)

RoHS

Socket sleeves (male) with latching tongue

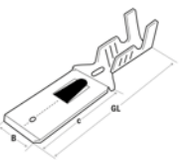
- **bare brass**
- **uninsulated**



Art. no.	CSS	plug	TL	c	B	kg/100	PU
280101	**0,5 - 1,0**	6,3x0,8	20,0	8,0	6,3	0,200	200
280105	**1,0 - 2,5**	6,3x0,8	20,0	8,0	6,3	0,085	200

Socket sleeves (male) with latching tongue

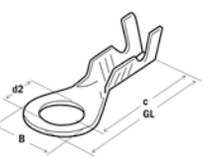
- **tin-plated brass**
- **uninsulated**



Art. no.	CSS	plug	TL	c	B	kg/100	PU
280111	**0,5 - 1,0**	6,3x0,8	20,0	8,0	6,3	0,082	200
280115	**1,0 - 2,5**	6,3x0,8	20,0	8,0	6,3	0,089	200

Ring terminals

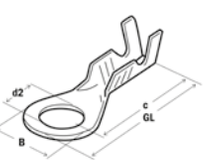
- **bare brass**
- **uninsulated**



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

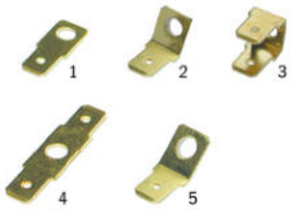
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

RoHS

Flat terminals

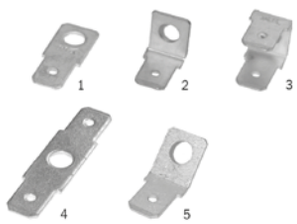
- **bare brass**
- **uninsulated**



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

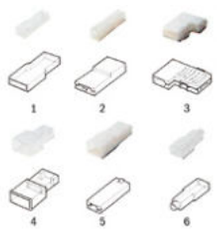
- **tin-plated brass**
- **uninsulated**



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

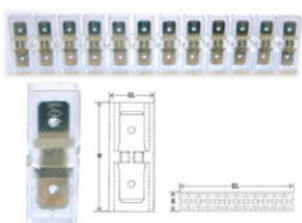
- **of PVC and nylon**



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)

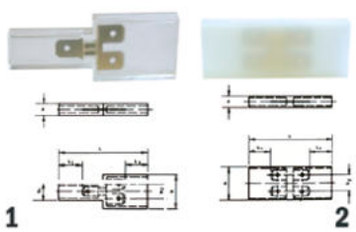
- **1 - 12 pole**
- **PVC, natural colour**



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	1	15,0	PVC	0,500	50
280582	6,3x0,8	51,0	2	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

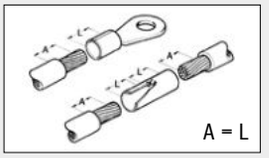
In order to obtain a connection that can be guaranteed for a long time it is necessary to select the connectors suitable to the application field and strictly conform to the section of the cable to be crimped.
In the large range of Haupa products you will certainly find the ideal solution for every requirement.

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.

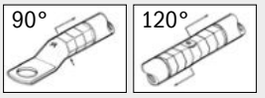


4. Assembling

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 75 - 76)

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

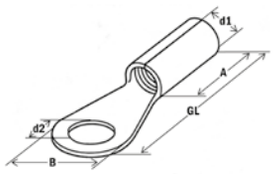
Valid at ambient temperatures of 30 degrees Celsius

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®

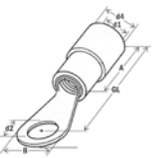
... convincing solutions

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

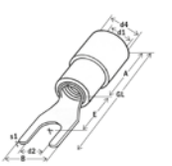
- **Nylon-insulated • Material: 99,9% E-Cu • Surface: tin-plated**
- **Ring type • For conductors, e.g. to VDE 0295 class 2, 5, 6**
- **Hard soldered in crimping area • Grooved profile for improved contact caracteristics**
- **Crimp direct with insulation**



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 436.

✸ Best-seller PREMIUM Premium product

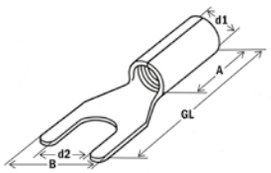
RoHS

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

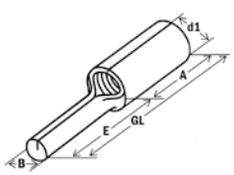


Pin terminals without insulation DIN 46230

- **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	12,0	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

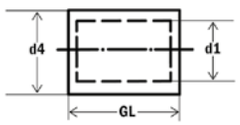
RoHS

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

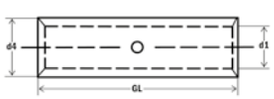


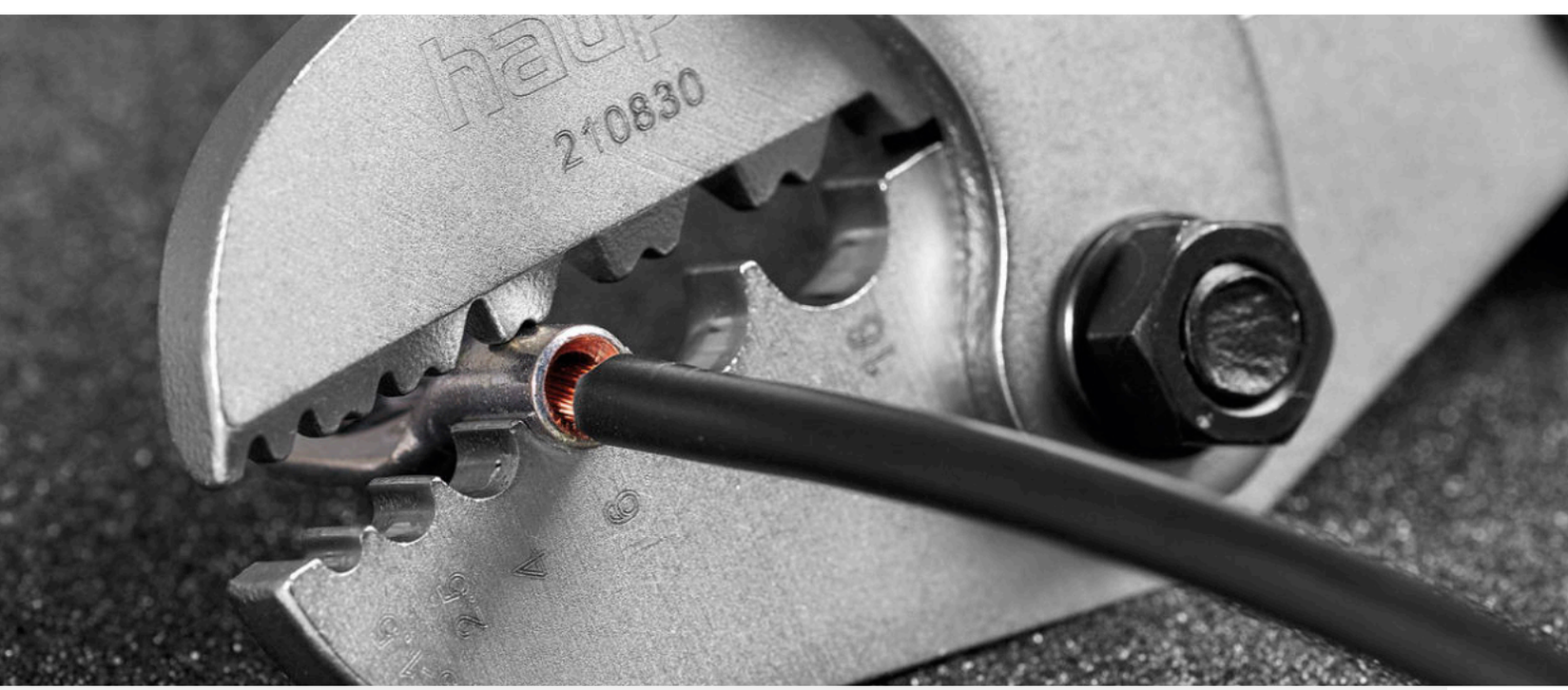
Solderless butt connectors DIN 46341 part 1, type B

- **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 436.

✸ Best-seller PREMIUM Premium product

RoHS

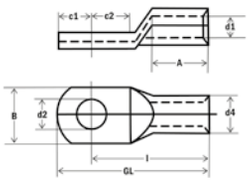
Tubular terminals, Light “T” series

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	80	20
294102		16	16,5	11,5	15,0	20,0	62,6	3,100	80	20
294106	**95**	8	8,3	13,5	17,0	22,0	55,8	3,500	80	20
294108		10	10,5	13,5	17,0	22,0	55,8	3,500	80	20
294110 ✷		12	13,2	13,5	17,0	22,0	55,8	2,900	80	20
294112		14	14,5	13,5	17,0	22,0	66,8	4,000	60	15
294114		16	16,5	13,5	17,0	22,0	66,8	3,900	60	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	40	10
294124		16	16,5	15,6	20,0	27,0	71,5	6,400	40	10
294128	**150**	10	10,5	16,5	21,0	32,0	78,0	8,000	40	10
294130 ✷		12	13,2	16,5	21,0	32,0	78,0	8,000	40	10
294132		14	14,5	16,5	21,0	32,0	78,0	7,800	40	10
294134		16	16,5	16,5	21,0	32,0	78,0	7,500	40	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	20
294142		14	14,5	18,4	23,6	34,0	84,0	10,800	40	20
294144		16	16,5	8,4	23,6	34,0	84,0	10,800	40	20



haupa®

... convincing solutions

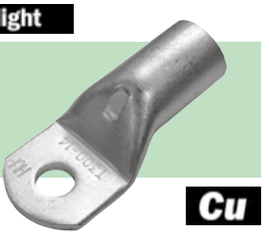
HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

Tubular terminals, Light “T” series

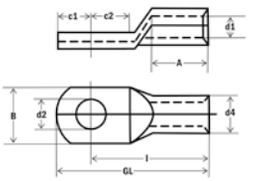
light

- 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	20	10
294152		14	14,5	21,2	26,4	37,0	90,0	13,000	20	10
294154 ✸		16	16,5	21,2	26,4	37,0	90,0	15,000	20	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



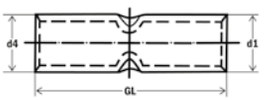
Butt connectors, Light “M” series

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	600	100
294212	**25**	7,1	9,5	29,0	0,700	500	50
294214	**35**	8,2	11,0	35,0	1,200	300	50
294218	**50**	9,5	12,5	35,0	1,400	240	40
294220	**70**	11,5	15,0	45,0	2,700	120	20
294222	**95**	13,5	17,0	47,0	3,200	40	20
294224	**120**	15,6	20,0	52,0	5,500	40	20
294226	**150**	16,5	21,0	59,0	6,500	40	20
294228	**185**	18,4	23,6	65,0	9,200	40	20
294230	**240**	21,2	26,4	75,0	11,900	20	10
294232	**300**	23,4	28,6	90,0	14,500	10	5
294234	**400**	26,8	32,8	106,0	24,200	10	5



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ Best-seller Premium product

RoHS

Tubular cable lugs, standard series

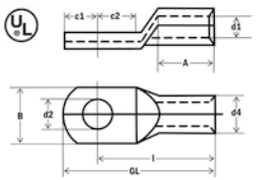
HUPtype

- 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

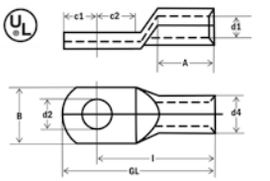
HUPtype

- 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	60	15
290006 ✸		10	10,5	15,0	19,5	26,0	2	1	51,0	28,0	14,0	14,0	6,200	60	15
290008 ✸		12	13,0	15,0	19,5	26,0	2	1	51,0	28,0	14,0	14,0	6,100	60	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

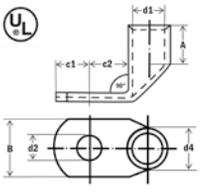
Angled tubular cable lugs 90°, standard series

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 436.

✸ Best-seller PREMIUM Premium product

RoHS

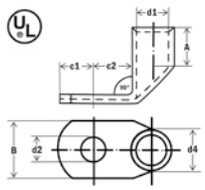
Angled tubular cable lugs 90°, standard series

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	60	15
290016/90		12	13,0	16,5	21,0	30,0	2	1	57,0	31,0	15,0	15,0	7,300	60	15
290018/90		16	17,0	16,5	21,0	30,0	2	1	58,0	31,0	16,0	16,0	7,500	60	15
290020/90		20	21,0	16,5	21,0	30,0	2	1	66,0	36,0	22,0	22,0	8,800	60	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



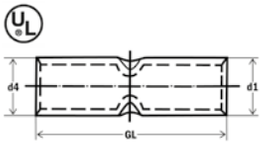
Butt connectors, standard series

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	60	15
291076	**150**	16,5	21,0	2	1	70		7,800	40	20
291078	**185**	19,0	24,0	2	1	80		11,700	30	5
291080	**240**	21,0	26,0	4	2	90		13,900	20	10
291082	**300**	23,5	29,5	4	2	100		22,300	10	5
291084	**400**	27,0	34,0	4	2	100		29,000	10	5

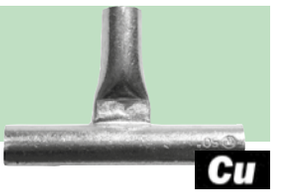


RoHS

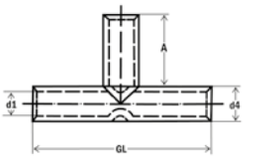
T-connectors, standard series

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**



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



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

RoHS

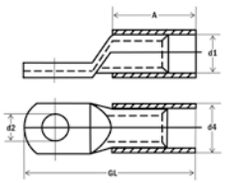
Tubularcable lugs, nylon-insulated, standard series

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



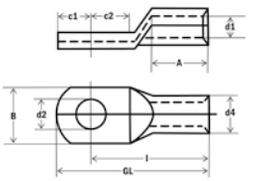
RoHS

Tubular cable lugs for fine-wired, high flexible conductors

F-type

Cu

- 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



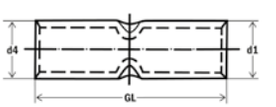
Art. no.	CSS	M	d2	d1	d4	A	l	c1	c2	kg/100		PU
290250 ✸	**10**	6	6,4	5,0	8,0	16,0	23,0	6,0	7,0	0,700	1000	100
290252		8	8,4	5,0	8,0	17,0	26,0	7,0	9,0	0,700	800	100
290254		10	10,5	5,0	8,0	16,0	26,0	8,0	10,0	0,800	600	100
290256		12	13,0	5,0	8,0	17,0	31,0	10,0	14,0	0,800	600	100
290258	**16**	6	6,4	6,0	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

Cu

- 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



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 436.

✸ Best-seller PREMIUM Premium product

RoHS

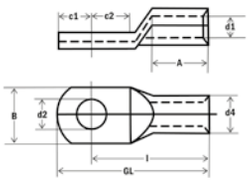
Cable lugs acc. to DIN 46235

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

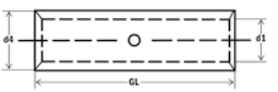
Compression joints acc. to DIN 46267 Part 1 (for non-tension connections)

DIN

- Material: 99.9% E-Cu DIN 40500
- Surface: bare
- With marks for correct crimping
- Annealed material for easier crimping

Cu

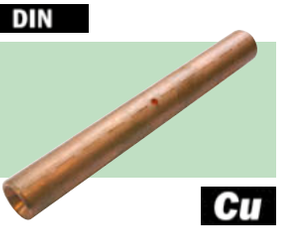
Art. no.	CSS	ld.	d1	d4	v1	v2	TL	kg/100		PU
291520	**6**	5	3,8	5,5	2	-	30	0,300	1600	100
291522	**10**	6	4,5	6,0	2	-	30	0,600	1000	100
291524	**16**	8	5,5	8,5	2	1	50	1,450	300	50
291526	**25**	10	7,0	10,0	2	1	50	1,700	300	50
291528	**35**	12	8,2	12,5	2	1	50	3,100	200	50
291530	**50**	14	10,0	14,5	3	1	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	8	8
291548	**500**	42	31,0	42,0	-	3	160	85,600	5	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)

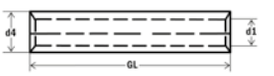
DIN

- 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 436.

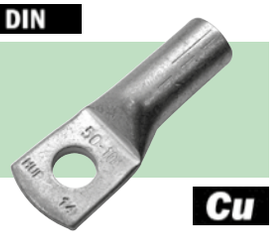
Best-seller Premium product

RoHS

Cable lugs acc. to DIN 46235

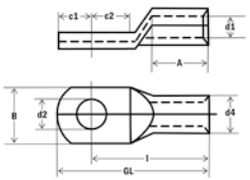
DIN

- 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	30	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	20	10
290480 *		12	25	13,0	19,0	25,5	40,0	4	2	82,0	16,0	17,0	37,0	18,400	20	10
290482 *		16	25	17,0	19,0	25,5	40,0	4	2	82,0	19,0	20,0	37,0	18,400	20	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	16	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	6	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	6	1
290522	**1000**	20	58	21,0	44,0	58,0	100,0	-	3	165,0	30,0	30,0	83,0	195,000	6	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

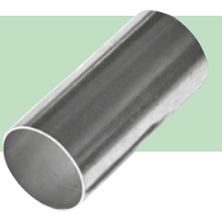
Cable lugs “SmallPack” acc. to DIN 46235

- **Werks Material: 99,9% electrolytic copper toff: 99,9% Elektrolyt-Kupfer, geglühtes Material**
- **Surface: tin-plated**

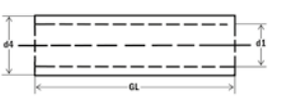
Art. no.	CSS	M	ld.	d2	d1	d4	A	v1	v2	l	c1	c2	B	kg/100	VE
290404/10	**6**	6	5	6,4	3,8	5,5	10,0	2	-	24,0	7,5	8,0	8,5	0,300	10
290406/10		8	5	8,4	3,8	5,5	10,0	2	-	24,0	10,0	10,0	13,0	0,300	10
290410/10	**10**	6	6	6,4	4,5	6,0	10,0	2	-	27,0	7,5	8,5	9,0	0,400	10
290412/10		8	6	8,4	4,5	6,0	10,0	2	-	27,0	10,0	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 436.

Best-seller Premium product

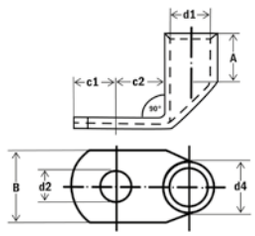
RoHS

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



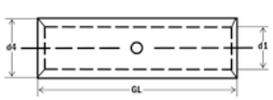
Art. no.	CSS	M	Id.	d2	d1	d4	A	v1	v2	c1	c2	kg/100	PU
291700	**6**	5	5	5,3	3,8	5,5	10,0	2	-	6,5	9,0	0,400	100
291702		6	5	6,4	3,8	5,5	10,0	2	-	7,5	10,0	0,300	100
291704 *	**10**	5	6	5,3	4,5	6,0	10,0	2	-	7,0	10,0	0,400	100
291706		6	6	6,4	4,5	6,0	10,0	2	-	7,5	10,0	0,500	100
291708		8	6	8,4	4,5	6,0	10,0	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

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	Id.	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

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

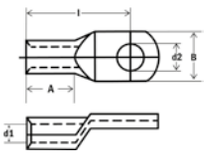
Nickel terminals

RoHS

Tubular cable lugs of pure nickel, ring type

- **Material: nickel**
- **Temperature resistant to 500° C**

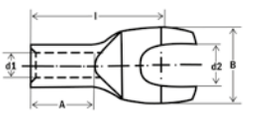
Art. no.	CSS	M	d2	d1	A	l	kg/100	PU
292560	**0,5**	4	4,3	1,6	13,0	6,0	0,105	100
292562		5	5,3	1,6	14,0	6,0	0,086	100
292564	**1,5 - 2,5**	4	4,3	2,3	13,0	6,0	0,109	100
292566		5	5,3	2,3	14,0	6,0	0,122	100
292568		6	6,5	2,3	16,0	6,0	0,134	100
292570	**4 - 6**	4	4,3	3,6	18,0	8,0	0,300	100
292572		5	5,3	3,6	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**

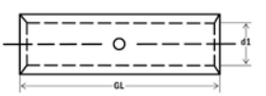
Art. no.	CSS	M	d2	d1	A	l	kg/100	PU
292580	**0,5**	4	4,3	1,6	13,0	6,0	0,073	100
292582		5	5,3	1,6	14,0	6,0	0,070	100
292584	**1,5 - 2,5**	4	4,3	2,3	13,0	6,0	0,100	100
292586		5	5,3	2,3	14,0	6,0	0,100	100
292588		6	6,5	2,3	16,0	6,0	0,110	100
292590	**4 - 6**	4	4,3	3,6	18,0	8,0	0,300	100
292592		5	5,3	3,6	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**

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



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

RoHS

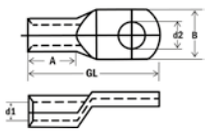
Aluminium standard conduit terminals

- **Material: E-Al 99.5% • Surface: bare**
- **For strain-relieved connections of aluminium conductors according to DIN EN 60228 and aluminium cables according to DIN EN 50182**
- **For round shaped sector conductors • Including contact grease**

NEW

Al

Art. no.	CSS	M	d2	d1	TL	A	kg/100	PU
294500	**16**	6	6,4	5,2	47,0	23,0	0,504	50
294502		8	8,4	5,2	47,0	23,0	0,490	50
294504		10	10,5	5,2	47,0	23,0	0,480	50
294506	**25**	6	8,4	6,4	58,0	23,0	0,740	50
294508		8	8,4	6,4	58,0	23,0	0,724	50
294510		10	10,5	6,4	58,0	23,0	0,700	50
294512	**35**	8	8,4	7,6	60,0	28,0	0,974	50
294514		10	10,5	7,6	60,0	28,0	0,940	50
294516	**50**	8	8,4	9,2	72,0	34,0	1,528	50
294518		10	10,5	9,2	72,0	34,0	1,498	50
294520		12	13	9,2	72,0	34,0	1,384	50
294522		16	17	9,2	72,0	34,0	1,260	50
294524	**70**	8	8,4	10,6	78,0	40,0	1,998	50
294526		10	10,5	10,6	78,0	40,0	1,940	50
294528		12	13	10,6	78,0	40,0	1,880	50
294530		16	17	10,6	78,0	40,0	1,830	50
294532	**95**	10	10,5	12,8	80,0	43,0	2,545	20
294534		12	13	12,8	80,0	43,0	2,440	20
294536		16	17	12,8	80,0	43,0	2,370	20
294538	**120**	8	8,4	14,3	97,0	52,0	3,630	20
294540		10	10,5	14,3	97,0	52,0	3,590	20
294542		12	13	14,3	97,0	52,0	3,545	20
294544		14	15	14,3	97,0	52,0	3,490	20
294546	**150**	8	8,4	16,2	106,0	55,0	4,830	20
294548		10	10,5	16,2	106,0	55,0	4,730	20
294550		12	13	16,2	106,0	55,0	4,625	20
294552		16	17	16,2	106,0	55,0	4,530	20
294554	**185**	8	8,4	17,8	110,0	60,0	5,720	20
294556		10	10,5	17,8	110,0	60,0	5,680	20
294558		12	13	17,8	110,0	60,0	5,495	20
294560		16	17	17,8	110,0	60,0	5,465	20
294562	**240**	8	8,4	20,2	110,0	64,0	9,870	20
294564		10	10,5	20,2	110,0	64,0	9,925	20
294566		12	13	20,2	110,0	64,0	9,810	20
294568		14	15	20,2	110,0	64,0	9,690	20
294570		16	17	20,2	110,0	64,0	9,570	20



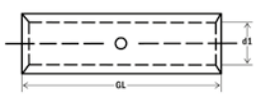
Aluminium standard butt connector

- **Material: E-Al 99.5% • Surface: bare**
- **For strain-relieved connections of aluminium conductors according to DIN EN 60228 and aluminium cables according to DIN EN 50182**
- **For round shaped sector conductors • Including contact grease**

NEW

Al

Art. no.	CSS	d1	TL	kg/100	PU
294580	**16**	5,2	50	0,620	50
294582	**25**	6,4	58	0,834	50
294584	**35**	7,6	63	1,170	50
294586	**50**	9,2	76	1,828	50
294588	**70**	10,6	84	2,578	50
294590	**95**	12,8	96	3,315	20
294592	**120**	14,3	105	4,160	20
294594	**150**	16,2	120	5,760	20
294596	**185**	17,8	125	6,935	20
294598	**240**	20,2	136	11,180	20



haupa®

... convincing solutions

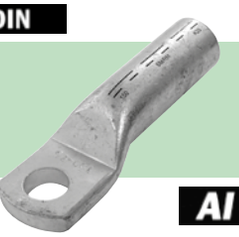
HAUPA GmbH & Co. KG, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

RoHS

Al compression cable lugs

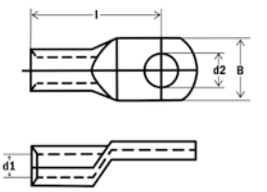
DIN

- Material: E-Al 99.5% • Pipe measurements according to DIN 46329 • Surface: bare • Crimp marking
- For strain-relieved connections of aluminium conductors according to DIN EN 60228 and aluminium cables according to DIN EN 50182 • For round shaped sector conductors
- Including contact grease



Al

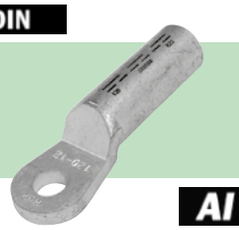
Art. no.	CSS rm/sm	se	M	Id.	d2	d1	v1	v2	l	B	kg/100	PU
292904 ✸	**16**	25	8	12	8,5	5,8	4	2	52,0	18,0	1,400	50
292906			10	12	10,5	5,8	4	2	52,0	18,0	1,400	50
292908 ✸	**25**	35	8	12	8,5	6,8	4	2	60,0	18,0	1,400	50
292910			10	12	10,5	6,8	4	2	60,0	18,0	1,400	50
292912 ✸	**35**	50	10	14	10,5	8,0	5	2	67,0	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

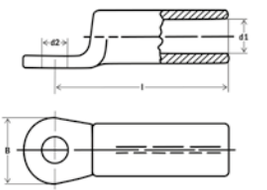
DIN

- Extrusion moulded version • Material: E-Al 99.5%
- Pipe measurements according to DIN 46329 • Surface: bare • Crimp marking
- For strain-relieved connections of aluminium conductors according to DIN EN 60228 and aluminium cables according to DIN EN 50182 • For round shaped sector 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 436.

✸ Best-seller PREMIUM Premium product

RoHS

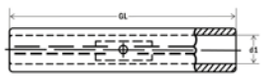
Al-Crimp connector DIN 46267 Part 2

DIN

- **Material: E-Al 99.5%**
- **Pipe measurements according to DIN 46329 • Surface: bare • Crimp marking**
- **For strain-relieved connections of aluminium conductors according to DIN EN 60228 and aluminium cables according to DIN EN 50182 • For round shaped sector 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



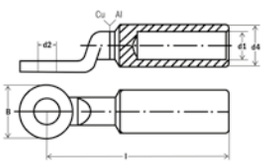
Al and Cu cable lugs, longitudinally sealed

DIN

- **Material: E-Al 99.5% , E-Cu • Pipe measurements according to DIN 46329**
- **Surface: bare • Crimp marking**
- **For strain-relieved connections of aluminium conductors according to DIN EN 60228 and aluminium cables according to DIN EN 50182 • For round shaped sector conductors • 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



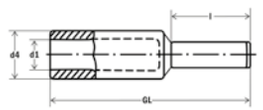
Al/Cu non-tension compession joints with Cu bolt

DIN

- **Material: E-Al 99.5% , E-Cu • Pipe measurements according to DIN 46329**
- **Surface: bare • Crimp marking**
- **For strain-relieved connections of aluminium conductors according to DIN EN 60228 and aluminium cables according to DIN EN 50182 • For round shaped sector conductors • 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

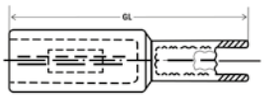
Al-Cu reducing connectors

DIN

- **Material: E-Al 99.5% , E-Cu • Pipe measurements according to DIN 46329**
- **Surface: bare • Crimp marking**
- **For strain-relieved connections of aluminium conductors according to DIN EN 60228 and aluminium cables according to DIN EN 50182 • For round shaped sector conductors • Including contact grease**

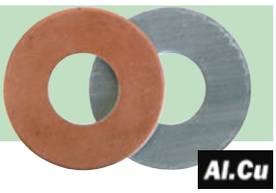
Al.Cu

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



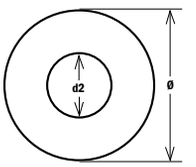
Cupal washer

- **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.	M	s1	d2	Ø	kg/100	PU
293810	10	1,5	10,5	22	0,260	50
293812	12	2	13,0	28	0,440	50
293814	14	2	14,6	28	0,400	50
293816	16	2	16,5	35	0,660	50



PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

Screw terminals

haupa®

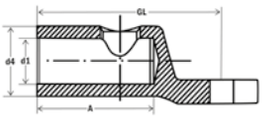
... convincing solutions

RoHS

AL screw terminals medium voltage 10-30 KV

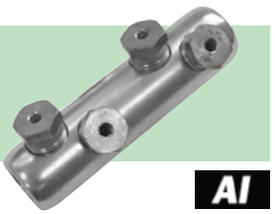
- **Material: AL 99,5%**
- **for tension relief connections of Al medium-voltage cables**
- **Tin-plated surface**

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

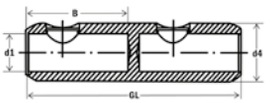


AL screw connectors medium voltage

- **Material: AL 99,5%**
- **Screws: Tin-galvanised brass**
- **Tin-plated surface**



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.

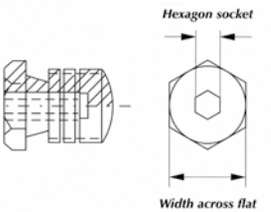
Advantages of the tear-off screw

- 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 436.

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

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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	0,035	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	✸	188	4,8	54	22	0,143	100	100	8.000
262516	✸	199	4,8	52	22	0,145	100	100	7.000
262518	✸	250	4,8	74	22	0,203	100	100	6.000
262520	✸	302	4,8	84	22	0,220	100	100	5.000
262522	✸	371	4,8	102	22	0,274	100	100	4.000
262523		430	4,8	125	22	0,290	100	100	4.000
262528		200	7,6	54	55	0,300	100	100	2.000
262530		290	7,6	82	55	0,400	100	100	2.000
262532	✸	370	7,6	106	55	0,540	100	100	2.500
262536	✸	425	8,8	115	80	0,760	50	100	500
262537		523	8,8	150	80	0,105	50	100	500
262538		610	8,8	180	80	1,270	50	100	500
262535		774	8,8	220	80	1,050	50	100	600
262540		800	8,8	235	80	1,600	20	100	500
262542		920	8,8	278	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 436.
✸ Best-seller 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	*	302	4,8	84	22	0,240	100	100	5.000
262622	*	371	4,8	102	22	0,270	100	100	4.000
262623		430	4,8	125	22	0,290	100	100	4.000
262628		200	7,6	54	55	0,300	100	100	2.000
262630		290	7,6	82	55	0,400	100	100	2.000
262632	*	370	7,6	106	55	0,540	100	100	2.500
262636	*	425	8,8	115	80	0,880	50	100	500
262637		523	8,8	150	80	1,050	50	100	500
262638		610	8,8	180	80	1,280	50	100	500
262635		774	8,8	220	80	1,050	50	100	600
262640		800	8,8	235	80	1,600	20	100	500
262642		920	8,8	278	80	0,880	50	100	500
262643		1219	8,8	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	199	4,8	54	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	290	7,6	82	55	0,397	100	100	2.000
262134	370	7,6	106	55	0,580	50	100	2.000
262136	618	12,4	181	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	0,031	1000	100
262507	203	2,5	55	8	0,065	1000	100
262509	142	3,2	35	18	0,070	1000	100
262511	290	3,6	82	18	0,158	1000	100
262513	188	4,8	54	22	0,140	1000	100
262517	199	4,8	54	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

Cable ties

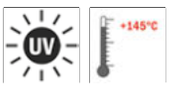
Heat-resistant cable ties

Material nylon 6/6, colour light green, UL94V-2, for high temperature applications between -40°C and +105°C

Art. no.	TL	width			kg/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/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/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

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/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 436.

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).

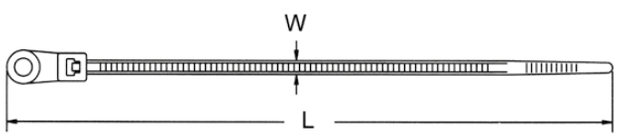
Benefits:
- Flat head geometry
- Exterior
- Smooth side is up against the insulation - no dents or damages
- Wide contact surface protects the cable loom from damages

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

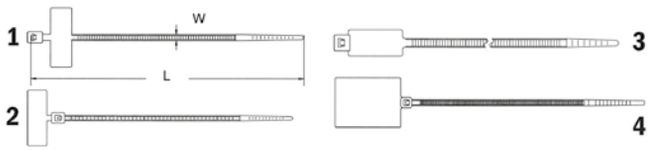
material: nylon, colour transparent, quick and simple to fix by hand or with tensioning tools, extremely resistant to sea water, oil, grease, etc., manufactured in accordance with UL and MIL specification requirements, - 40° C bis 85° C



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

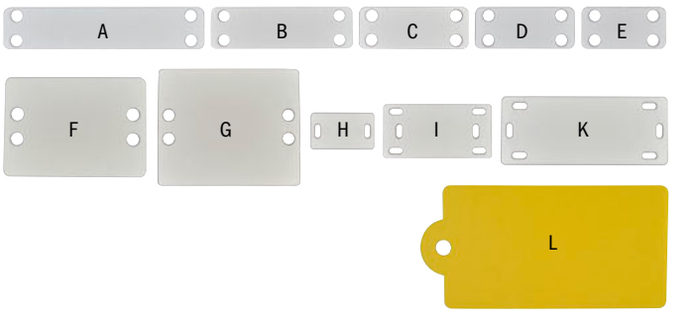
haupa®

... 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	26,0	15,0	1,2	0,048	100	100	H
262180	42,2	21,0	1,2	0,107	100	100	I
262181	60,8	25,0	1,2	0,201	100	100	K
262182	62,2	51,0	1,3	0,456	100	100	G
262183	38,5	19,0	0,4	0,036	100	100	E
262184	45,3	19,0	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	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 436.

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

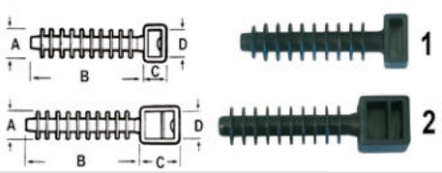
Screw type sockets

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	13	9,2	100	100

Tensioning tools for cable ties

NEW

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
262153	≤ 13	metal	0,330	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
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

Spiral bindings

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

Cable ties, accessories

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 436.

✸ Best-seller Premium product

Steel cable ties, accessories

haupa®

... convincing solutions

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/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/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

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

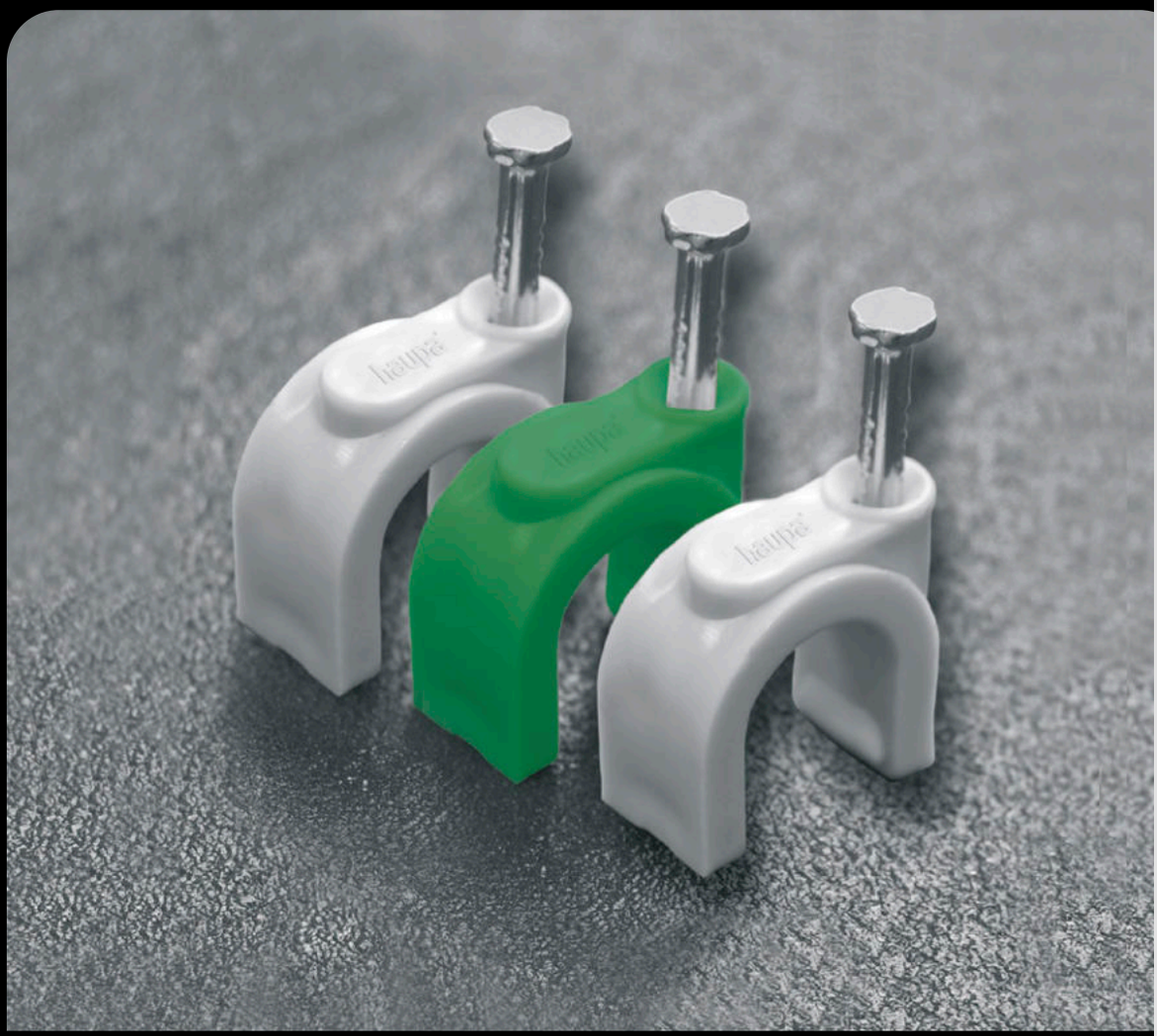
Steel cable ties are tensioned by the tool and can be cut off flush. Cutting is implemented manually using a hand lever, the force cannot be pre-set. Only suitable for steel cable ties (coated and not coated).
Processing width: 4.5 – 12.0 mm, max. thickness of cable ties: 0.3 mm

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 436.

✷ Best-seller Premium product

Nailing clips



haupa®
... convincing solutions

INFO

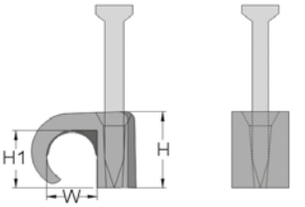
Nailing clips

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

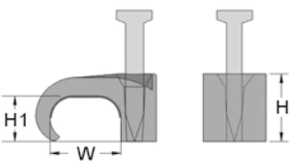
for attaching and fixing electrical cables, optimum claw shape for secure fixing of the cable, can be fixed to the cable, version with inserted galvanised nail, material: hammer-proof polyethylene (PE), halogen-free, temperature resistant: – 40 °C to + 80 °C, and for short periods up to approximately 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	50
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

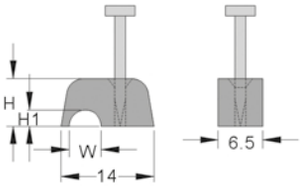
NL = nail length
N-Ø = nail diameter
H = height
H1 = height 1
W = width (opening)

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✷ Best-seller Premium product

Nailing clips for round cable

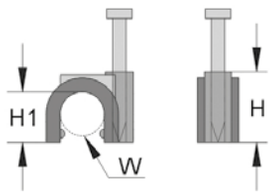
for attaching and fixing electrical cables, version with inserted galvanised nail, material: hammer-proof polyethylene (PE), halogen-free, temperature resistant: – 40 °C to + 80 °C, and for short periods up to approximately 100 °C.



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

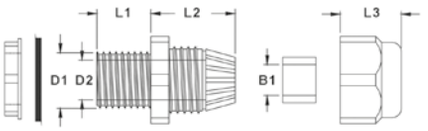
Cable glands polyamide IP68

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	8,0	7,9	22,0	15,1	19	0,024	10	2.980
250064 ✷	light-grey	**PG11**	5 - 10	18,3	13,2	10,5	7,9	23,7	18,3	22	0,024	10	2.040
250066 ✷	light-grey	**PG13,5**	6 - 12	20,4	15,5	12,0	8,9	24,6	18,9	24	0,024	10	1.530
250068 ✷	light-grey	**PG16**	10 - 14	22,5	17,2	14,0	9,8	26,2	19,5	27	0,024	10	1.190
250070	light-grey	**PG21**	13 - 18	28,3	22,4	18,4	10,8	30,0	23,7	33	0,024	10	680
250072	light-grey	**PG29**	18 - 25	37,0	30,6	25,0	10,8	35,0	27,4	42	0,024	10	380
250074	light-grey	**PG36**	22 - 32	47,0	35,3	35,5	14,5	42,3	30,3	53	0,024	5	200
250076	light-grey	**PG42**	30 - 38	54,0	40,0	40,0	14,5	44,0	31,2	60	0,024	5	140
250078	light-grey	**PG48**	34 - 44	59,3	43,2	46,0	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	8,0	7,9	22,0	15,1	19	7,500	10	2.980
250104	black	**PG11**	5 - 10	18,3	13,2	10,5	7,9	23,7	18,3	22	1,030	10	2.040
250106	black	**PG13,5**	6 - 12	20,4	15,5	12,0	8,9	24,6	18,9	24	1,400	10	1.530
250108	black	**PG16**	10 - 14	22,5	17,2	14,0	9,8	26,2	19,5	27	1,560	10	1.190
250110	black	**PG21**	13 - 18	28,3	22,4	18,4	10,8	30,0	23,7	33	2,480	10	680
250112	black	**PG29**	18 - 25	37,0	30,6	25,0	10,8	35,0	27,4	42	4,160	10	380
250114	black	**PG36**	22 - 32	47,0	35,3	35,5	14,5	42,3	30,3	53	8,240	5	200
250116	black	**PG42**	30 - 38	54,0	40,0	40,0	14,5	44,0	31,2	60	10,800	5	140
250118	black	**PG48**	34 - 44	59,3	43,2	46,0	15,6	42,7	31,3	65	11,600	5	130

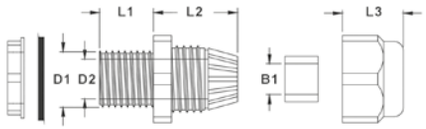
PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✷ Best-seller PREMIUM 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

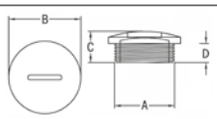


Art. no.	colour		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU	
250140	light-grey	**M12**	3 - 6,5	12,0	7,3	7,1	8,0	19,6	12,7	15	0,400	10	4.250
250142	light-grey	**M16**	5 - 10	16,0	10,7	10,4	8,0	23,3	16,1	20	0,800	10	1.700
250044	light-grey	**M20**	8 - 12	20,0	14,1	12,5	10,0	25,0	18,1	24	0,024	10	1.200
250144	light-grey	**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	0,800	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	18,0	17,3	8,0	30,0	20,0	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	1,300	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	**PG42**	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

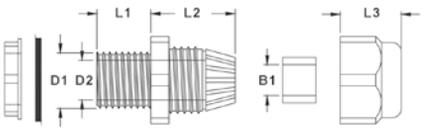
Properties:
integrated strain relief, fully mounted, RoHS-compliant.
HAUPA cable glands do protect electric equipment (switchboards, distribution boxes) against mechanical influences, dust, and humidity by connecting a cable tight and sealed to the housing.
HAUPA offers next to metric as well PG cable 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



Art. no.		KB	D1	D2	B1	L1	L2	L3	WS	kg/100	PU
250600	**M12**	3 - 6,5	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 cable 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 436.

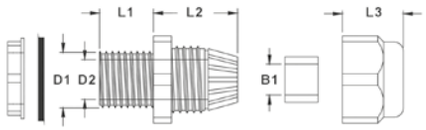
✷ Best-seller Premium product

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 - 6,5	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	0,060	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.

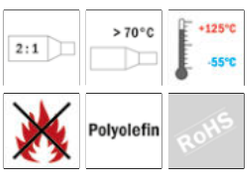
Shrink ratio:
The basic material (plastic) used and the thickness of the wall determine how much a shrinking tube can expand. The shrink ratio gives the size of the original heat shrink tube in relation to its shrunken, final form. (Original size to (:) Final size). The higher the shrink ratio, the greater 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 200).

Set HUPshrink21TW thin-walled 2:1

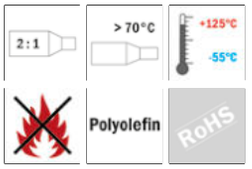
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 160 pieces, in plastic box, thin-walled



Art. no.					kg	PU
267200 ✸	2:1	black		160-pieces	0,060	1

Set HUPshrink21TW thin-walled 2:1 coloured

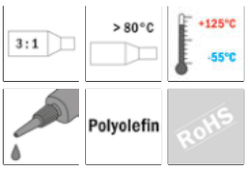
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 160 pieces, in plastic box, thin-walled



Art. no.					kg	PU
267202 ✸	2:1	6 colours		160-pieces	0,060	1

Set HUPshrink31DW-A double-walled 3:1 with adhesive lining

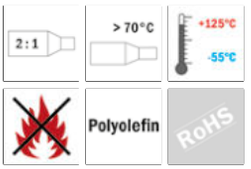
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 55° C to 125° C, 25 pieces, in plastic box, double-walled, with 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



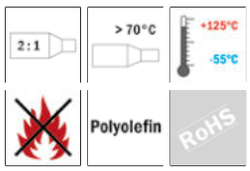
Art. no.					kg	PU
267206 ✸	2:1	4 colours		160-pieces	0,060	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ Best-seller Premium product

HUPshrink21TW thin-walled 2:1

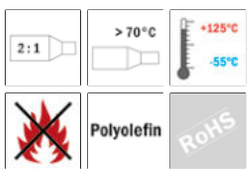
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 50 pieces, 0.1 m long packaged in a polybag, thin-walled



Art. no.	m		Ø before	Ø after	kg	PU
267000	0,1	2:1	2,5	1,0	0,020	50
267002	0,1	2:1	3,5	1,5	0,035	50
267004	0,1	2:1	5,0	2,25	0,050	50
267006	0,1	2:1	6,5	3,0	0,067	50
267008	0,1	2:1	9,6	4,5	0,040	25
267010	0,1	2:1	12,7	6,0	0,022	10
267012	0,1	2:1	19,0	9,0	0,030	10
267014	0,1	2:1	26,0	12,5	0,050	10

HUPshrink21 thin-walled 2:1 blister package

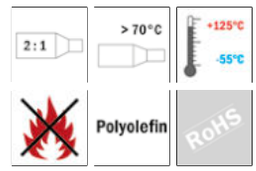
of polyolefin, radiation interlaced, self extinguished according to MV SS 302, thin and flexible, dielectric strength 15 - 25 KV/mm acc. to DIN 53481, operating temperature: - 55° C to 125° C, shrinking temperature: > 70°C, 1 m length in self-service-pack



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

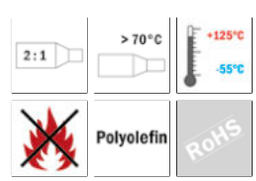
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C - 125° C, 5/10m roll in dispenser, thin-walled



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

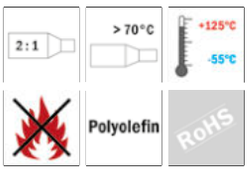
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, 25m roll packaged in a polybag, thin-walled



Art. no.	m		Ø before	Ø after	kg	PU
267048	25	2:1	2,5	1,0	0,250	1
267050	25	2:1	3,5	1,5	0,339	1
267052	25	2:1	5,0	2,25	0,401	1
267054	25	2:1	6,5	3,0	0,420	1
267056	25	2:1	9,6	4,5	0,445	1
267058	25	2:1	12,7	6,0	0,745	1
267060	25	2:1	19,0	9,0	0,876	1
267062	25	2:1	26,0	12,5	1,320	1

HUPshrink21TW thin-walled 2:1

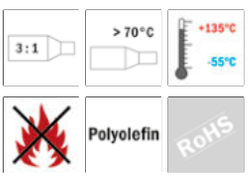
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 70° C, continuous operating temperature - 55° C to 125° C, packaged in a polybag, thin-walled



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

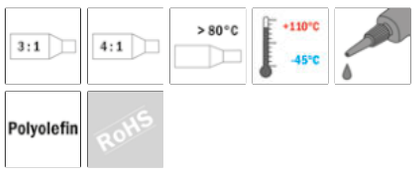
PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

HUPshrink31MW-A | HUPshrink41MW-A medium-walled 3:1, 4:1 with adhesive lining

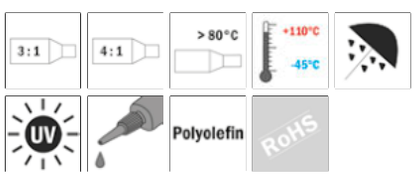
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C to 110° C, 1.2m packaged in a polybag, medium-walled, with 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

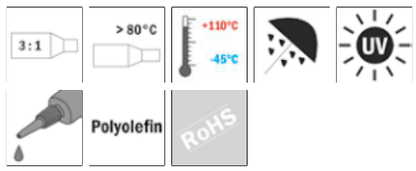
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C to 110° C, 1.2m packaged in a polybag, double-walled, with 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

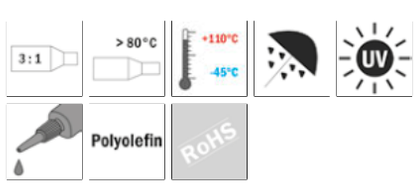
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C - 110° C, 5/10m roll in dispenser, double-walled, with adhesive lining



Art. no.	m		Ø before	Ø after	kg	PU
267090	10	3:1	3,0	1,0	0,205	1
267092	5	3:1	6,0	2,0	0,215	1
267094	5	3:1	9,0	3,0	0,220	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	0,320	1
267098	5	3:1	19,0	6,0	0,403	1
267100	5	3:1	24,0	8,0	0,570	1

haupa®

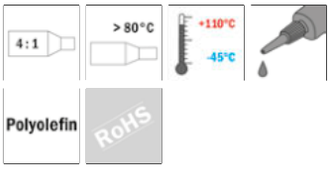
... convincing solutions

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

Heat shrinkable tubes with adhesive lining

HUPshrink41DW-A double-walled 4:1 with adhesive lining

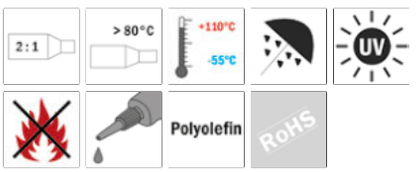
Radiation cross-linked polyolefin, self extinguishing according to MV SS 302, flexible, universally applicable, Dielectric strength: 15 - 25 KV/mm according to DIN 53481, shrinking temperature > 80° C, continuous operating temperature - 45° C to 110° C, 1.2m packaged in a polybag, double-walled, with 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 436.

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.

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

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 436.

✸ Best-seller Premium product

Electro insulating tape

Self-welding

Cold-resistant insulation tape “HUPtape-22plus“

- 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

Textile tape

Particularly strong adhesive, UV-resistant

- 50 m

Art. no.	TL	widht/mm	colour	kg	PU
393014	50 m	38	grey	0,350	1
393016	50 m	50	grey	0,400	1

Self-welding

Self-welding insulation tape “HUPtape76seal“

- 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.

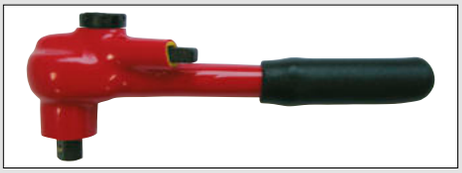
Voltage test

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

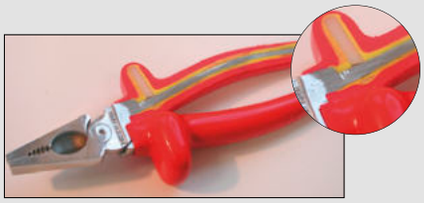
- Slot
- Cross slot Phillips
- Cross slot Pozidriv
- Pozidriv/flat slot
- Tx
- Tx with safety pin
- Allen screw
- Hexagon head
- Ball point

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

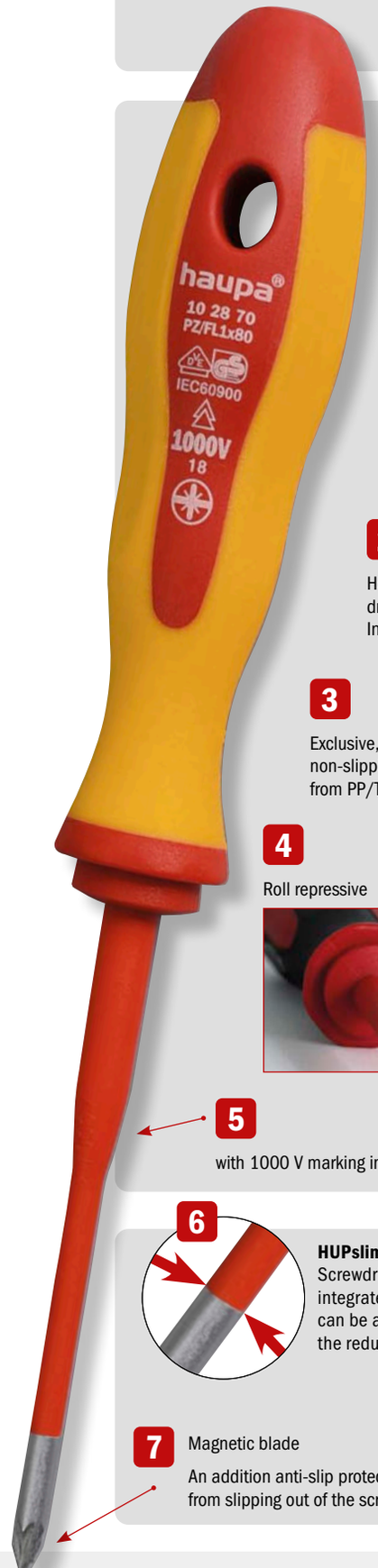
haupa®
... convincing solutions

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.*

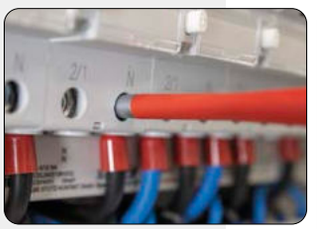
Screwdriver „HUPslim“ 1000 V with PZ slot profile

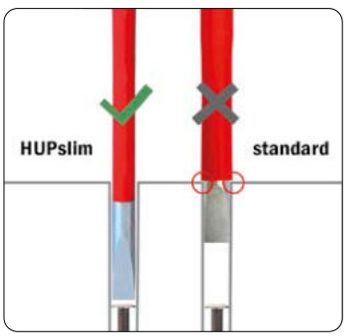
Specifications and advantages of the PZ/FL profile.
The PZ/FL profile can only be used for combination screws that were previously screwed with a slot or recessed head PZ type screwdriver. The screws have an inner PZ profile with an additional cross slot that also allows it to be screwed with a slot 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

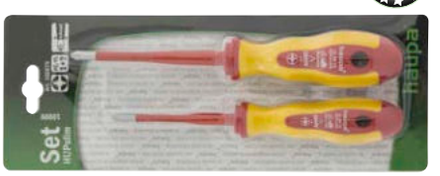
Screwdriver set „HUPslim“ 1000 V with PZ slot profile

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 436.

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.

NEW

Screwdrivers set „HUPslimPlus“ 1000 V

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated, 12-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:
- Electricians’ screwdrivers HUPslim 3,5 x 0,6 x 100 mm, 4 x 0,8 x 100 mm, 4 x 1,0 x 100 mm, 5,5 x 1,0 x 125 mm, 6,5 x 1,2 x 150 mm
- Cross slotted screwdrivers HUPslim Phillips, size 1 and 2
- Cross slotted screwdrivers HUPslim Pozidriv, size 1 and 2
- Screwdriver HUPslim with PZ slot profile, size 1 and 2
- VDE/GS-Voltage testers 100 – 250 V, loose

1000 V IEC 60900

reduced

Art. no.	form	set	kg	PU
102980	Mix	**12-pieces**	0,874	1

reduced

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.

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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 screw-drivers 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

6

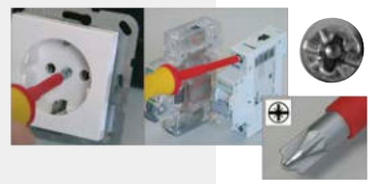
Magnetic blade

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

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

Screwdrivers set „Plus" 1000 V

NEW

with 2 component handle made from PP/TPE material, blade made from molybdenum vanadium steel, hardened, blasted, routine checked, insulated, 15-pieces.

Contents:
- Electricians' screwdrivers 1000 V 2,5 x 0,4 x 75 mm, 3 x 0,5 x 100 mm, 4 x 0,8 x 100 mm, 5,5 x 1,0 x 125 mm
- Cross slotted screwdrivers 1000 V Phillips, size 1 and 2
- Cross slotted screwdrivers 1000 V Pozidriv, size 1 and 2
- Screwdriver 1000 V with PZ slot profile, size 1 and 2
- Screwdrivers 1000 V Tx, size 10, 15, 20, 25
- VDE/GS-Voltage testers 100 – 250 V, loose

1000 V IEC 60900

Art. no.	form	set	kg	PU
101980	Mix	**15-pieces**	0,971	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ Best-seller Premium product

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

NEW

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

Art. no.		form	shank	set	kg	PU
102000-1	✸	**Phillips**	hexagonal	**10 pieces**	0,340	1
102000/PZ-1	✸	**Pozidriv**	hexagonal	**10 pieces**	0,334	1

Art. no.	nylon bag	width	height	depth	kg	PU
102042-1	**empty**	250	135	30	0,100	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 436.

✸ Best-seller Premium product

„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

NEW

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

1000 V IEC 60900

PREMIUM

TQ PH
TQ PZ

Art. no.	form	Nm	set	kg	PU
102700-1	PH	**1 - 6**	12 pieces	0,700	1
102701-1	PH	**0,5 - 3,5**	12 pieces	0,700	1
102700/PZ-1	PZ	**1 - 6**	12 pieces	0,700	1
102701/PZ-1	PZ	**0,5 - 3,5**	12 pieces	0,700	1

Art. no.	nylon bag	width	height	depth	kg	PU
102785-1	**empty**	300	145	35	0,130	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

„VarioTQ“ 1000 V dynamometric screwdriver with replaceable blades - Tx / Hex

VarioTQ

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
102702-1	TX	**1 - 6**	11-pieces	0,700	1
102703-1	TX	**0,5 - 3,5**	11-pieces	0,700	1
102706-1	TX+HEX	**1 - 6**	11-pieces	0,760	1
102707-1	TX+HEX	**0,5 - 3,5**	11-pieces	0,760	1

„VarioTQ“ 1000 V dynamometric screwdriver with replaceable blades - Hex

VarioTQ

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
102704-1	HEX	**1 - 6**	11-pieces	0,700	1
102705-1	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

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

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 436.

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 436.

✸ 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

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 436.

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 436.

Best-seller Premium product

Cable cutters 1000 V

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 436.

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

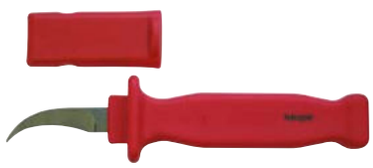
1000 V IEC 60900

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

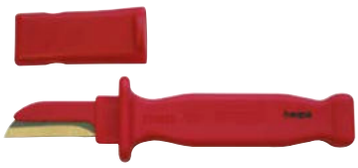


Art. no.	BL	form	kg	PU
200004	35	hooked	0,087	1

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

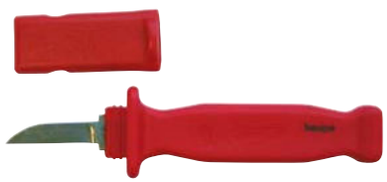
1000 V IEC 60900

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

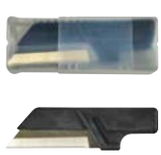
with a straight, partially-insulated, strong blade, handles made from tough elastic, impact proof plastic, replaceable blades, fixed blade guard. **Application:** To prevent short circuiting

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 436.

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 436.

✸ Best-seller PREMIUM Premium product

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 436.

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

NEW

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.

PREMIUM

1000 V IEC 60900

360° | 220415

5-50 Nm TQ

1000 V 3/8"

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

PREMIUM

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 436.

✸ 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 436.

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 guarantee 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 436.

✸ Best-seller PREMIUM 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 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 436.

Best-seller Premium product

Hexagon sockets, 1000 V, 250 mm

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“ 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

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

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

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

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 436.

✸ Best-seller Premium product

1000 V Tool cases

Tool cases 1000 V can be found from page 359 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	0,280	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

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

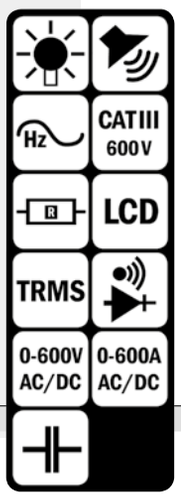
“Multi Clamp II” digital miniature clamp transducer AC/DC 600 V

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

haupa®

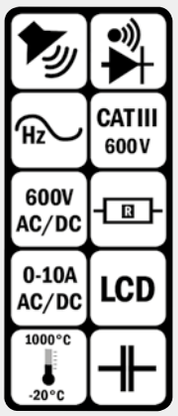
... convincing solutions

“Multi Check III” - digital high-capacity multimeter

The “Multi Check III” 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 III“**
Display:	40 mm large, illuminated LCD
Over-voltage category:	CAT III 600 V
Weight:	410 g incl. batteries
Delivery scope:	incl. measuring cables, holster, temperature sensor and battery
Power supply:	2 x 1.5 V AA
Diode test:	Yes
Norm:	IEC/EN 61010-1, IEC/EN 61010-2-033
Dimensions:	183 x 95 x 50 mm
AC voltage:	600 mV, 6 V, 60 V, ±0.8 %, ±3 digits 600 V ±0.8 %, ±3 digits
AC current:	600 µA, 6000 µ A, ±1.5 %, ±3 digits 60 mA, 600 mA, ±1.5 %, ±3 digits 10 A ±3.0 %, ±10 digits
Operating temperature range:	0–40 °C (32–104 °F)
DC voltage:	600 mV, 6 V, 60 V, ±0.7 %, ±2 digits 600 V ±0.7 %, ±2 digits
DC current:	600 µA, 6000 µ A ±1.2 %, ±3 digits 60 mA, 600mA, ±1.2 %, ±3 digits 10 A ±2.0 %, ±10 digits
Continuity test:	Yes
Input impedance:	> 7.5 MΩ, type 10 MΩ (ACV & DCV)
Frequency measuring range:	10 Hz–10 MHz
Capacity measuring range:	60 nF, 600 nF, ±4.0 %, ±3 digits 6 µF, 60 µF, 600 µF, ±4.0 %, ±3 digits 6 mF, 60 mF, ±4.0 %, ±3 digits
Storage temperature range:	-10–50 °C (14–122 °F)
Maximum input voltage:	600 V AC/DC
Fuses:	600 mA (self-resetting); 10 A/690 V (fast)
Temperature measurement:	-20–1000°C with K-Type sensor
AC bandwidth:	50–400 Hz
Resistor:	600 Ω ±1,2 %, ±5 digits 6 kΩ, 60 kΩ, 600 k Ω, 6 MΩ ±1.2 %, ±5 digits 6 0 MΩ ±2.0 %, ±10 digits
Guarantee:	2 years

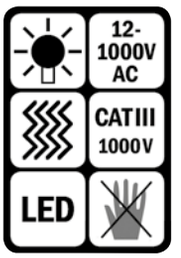


Art. no.	kg	PU
103815	0,410	1

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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ Best-seller Premium product

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.

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).

HUPsafetyGloves in accordance with DIN EN 60903

NEW

Insulating natural rubber gloves, for working voltages of 500, 1.000, 7.500, 17.000 to 26.500 Volt. The ergonomic shape of the glove and its slightly powdered interior makes it easy the donning and doffing. The natural rubber provides dielectric properties.

Note: *The insulating gloves HUPsafetygloves must be stored in their original packaging in order to avoid damage to the product.*

Art. no.	size	TL	strength	Class	kg	PU
120004	**9**	360	1,1	**00**	0,270	1
120005	**10**	360	1,1	**00**	0,293	1
120006 ✸	**9**	360	1,6	**0**	0,270	1
120007 ✸	**10**	360	1,6	**0**	0,280	1
120007/1	**11**	360	1,6	**0**	0,300	1
120006 561	**10**	360	2,1	**1**	0,646	1
120006 564 S	**10**	360	2,9	**2**	0,727	1
120006 587	**10**	360	3,5	**3**	0,947	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 436.

✸ 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

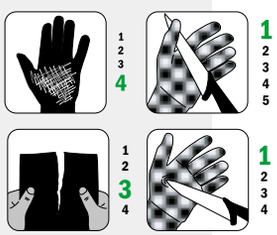
CE

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



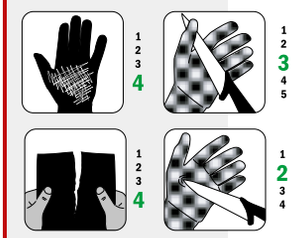
NEW

Art. no.		size	TL	kg	PU
120300/6	XXS	**6**	250	0,027	12
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

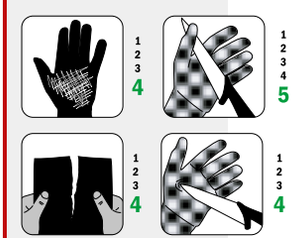


Art. no.		size	TL	kg	PU
120302/9	M	**9**	260	0,049	1
120302/10	X	**10**	260	0,049	1
120302/11	XL	**11**	260	0,049	1

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

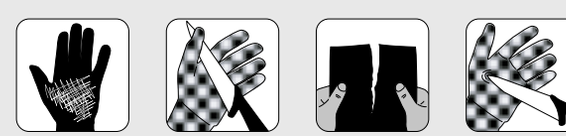
Our PU cut-protection gloves are used to protect against mechanical risks, in accordance with EN 388 and EN 420.

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 436.

✸ 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

Face shield EN 166

NEW

- Provides face protection against possible eye injuries and infections
- Perfectly suited for any kind of work
- Clear and wide vision, colourfast
- Impact resistant and crystal clear
- Light weight & more elastic, comfortable seat
- Universal size, can be adjusted to different head sizes
- Protection according to DIN EN 166

CE

Art. no.	colour	kg	PU
120106	**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

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	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 436.

✸ 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 belts acc. EN 358

safety belt universal for all sizes, length 1,50 meter, can bear loads of up to 100 kg

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 436.

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 436.

✸ 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

Accessories

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

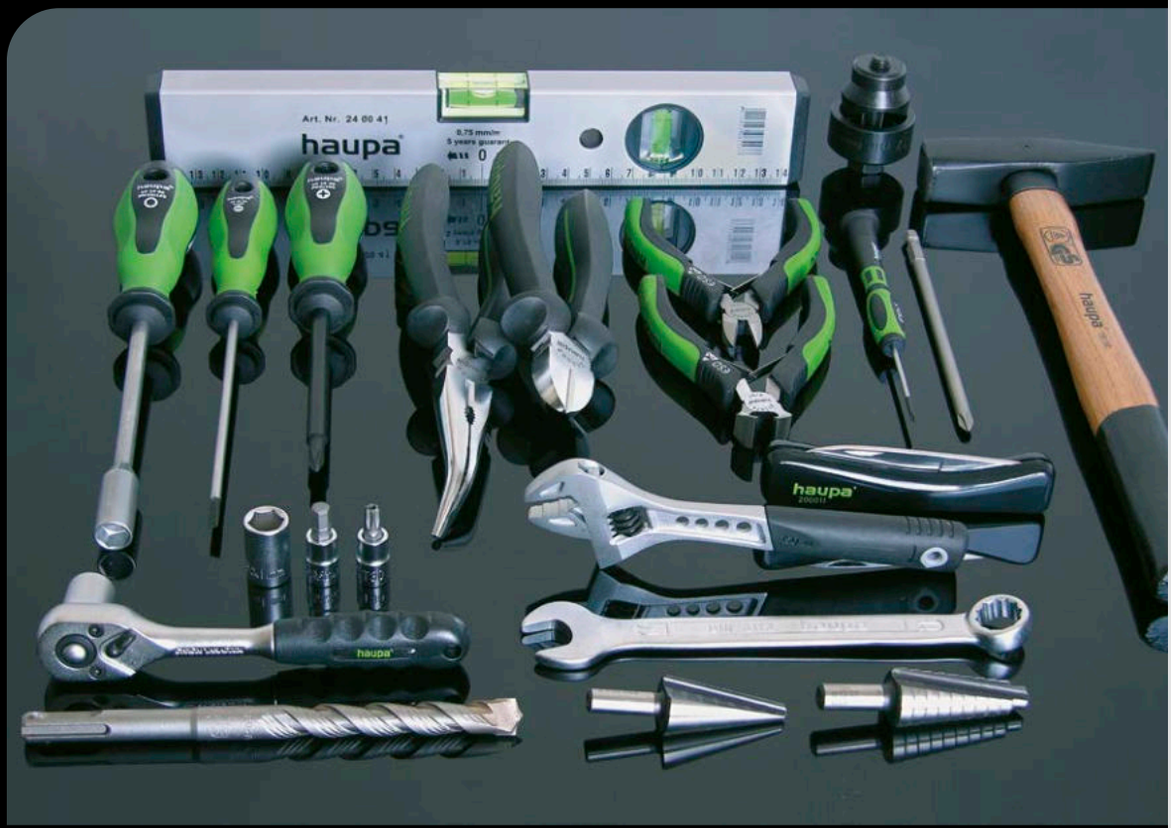
Art. no.	roll-Ø	rope-Ø	load kg	kg	PU
130004	50	8	200	1,820	1
130006	60	10	250	1,700	1

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 436.

✸ 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 436.

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.

NEW

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 265.

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
104008-1	**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

NEW

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

Art. no.	form	Nm	set	kg	PU
103000-1	Mix	**1 - 6**	12-pieces	0,765	1
103002-1	Mix	**0,5 - 3,5**	12-pieces	0,765	1

Art. no.	nylon bag	width	height	depth	kg	PU
103034-1	**empty**	250	135	30	0,130	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

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. 103000-1, 103002-1, 104008-1, 103070 and 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

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

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

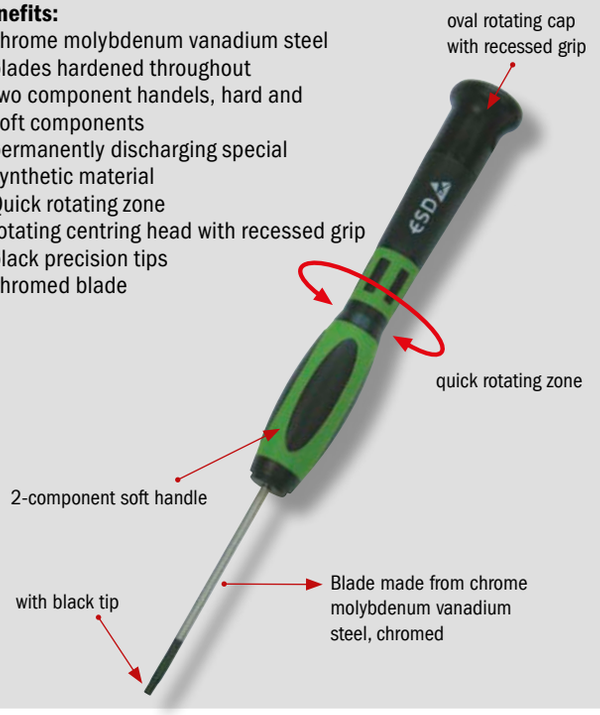
Art. no.	form	BL	BL	kg	PU
102784	SQ	40	8	0,056	1

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 436.

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

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

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.

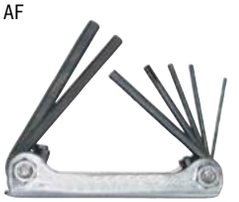
Contents:
Art. 100630: 2,5-3-4-5-6-8 mm
Art. 100633: 1,5-2,5-3-4-5-6 mm
Art. 100634: 2,5-3-4-5-6-8-10 mm

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 436.

✸ 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

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 436.

✸ 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
102118	PZ 1	50	0,107	1
102120	PZ 2	50	0,123	1
102188	PZ 1	90	0,179	1
102190	PZ 2	90	0,231	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 436.

✸ 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

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

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.

Art. no.	bit	kg	PU
104009	**≥ 25 mm, 50 – 150 mm**	0,216	1

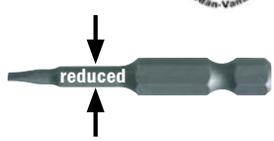
NEW

Ratchet screwdriver set „FlexBag“ with 50 mm S2 bits and reduced shank, in robust nylon bag.

FlexBag

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.

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



Art. no.	bit	set	kg	PU
104020-1 ✷	= 50 mm	**51-pieces**	0,810	1

NEW

Ratchet screwdriver set „FlexBagPro“ 37 safety bits, 8 spanner sockets, 5 drill bits, in robust nylon bag.

FlexBag

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 fatiguefree working. The ergonomic form and the soft zones within the pressure area range make a relaxed possible screws.

Contents:
1/4" 50 mm torsion bits S-TX (hole), color coded: T10, T10, T15, T15, T20, T25, T27, T30, T40
1/4" 50 mm torsion bits Hex, color coded: H3, H4, H5, H6
1/4" 50 mm torsion bits PH, color coded: 1, 2, 2, 3
1/4" 50 mm torsion bits PZ, color coded: 1, 2, 2, 2
1/4" 50 mm torsion bits slot, color coded: 3, 4, 4, 5, 6
1/4" 50 mm torsion bits SQ, color coded: 1, 2, 3
1/4" 50 mm standard bits PZ/FL: 1, 1, 2, 2
1/4" 50 mm standard bits PH/FL: 1, 1, 2, 2
8 pcs. sockets: 5, 5.5, 6, 7, 8, 10, 12, 13
5 pcs. drills: 2, 3, 4, 5, 6
1 pc of „FlexPlus“ ratcheting driver

Art. no.	bit	set	kg	PU
104022-1	= 50 mm	**51-pieces**	0,810	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✷ Best-seller PREMIUM Premium product

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.
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

Chrom - Silizium - Mangan Molybdän-Vanadium S2

Art. no.	bit	set	kg	PU
104030	= 50 mm	**9-pieces**	0,350	1

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

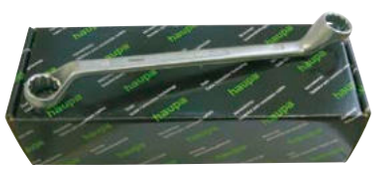
Double ended ring spanners to DIN 838

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 436.

✸ 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

Ratchet wrench 4 in 1

NEW

4 in 1 | The ratchet wrench is suitable for 4 different female screw sizes.

- sizes: 8 x 10 mm and 12 x 13 mm 10 x 13 mm and 17 x 19 mm
- fine-tooth 120 teeth of the 2 ratchets, swing angle 3°
- switch-over function of the ratchets for clockwise and anti-clockwise turning
- thanks to the 12-fold teeth, 4, 6 and 12-edged screws and almost round screw nuts can be released easily
- chrome-vanadium steel, chrome-plated
- very durable

Art. no.	size	TL	kg	PU
110780	8x10 | 12x13	150	0,185	1
110782	10x13 | 17x19	200	0,205	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

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"

Material: Cr-V; Cr-Moly steel | Industrial quality | Standards: DIN 3122; ISO 3315 | Finishing: Silver mat finished | Torsion: 30% higher than DIN | Life-Time: 30k circle times

Art. no.	drive	TL	kg	PU
110674/K	1/4"	140	0,118	1

Extension 1/4"

1/4"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3123; ISO 3316 | Finishing: Silver mat finished | Torsion: 30% higher than DIN | Life-Time: 30k circle times at 35% of DIN

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"

Material: Chrom-Vanadium-Stahl, Industriequalität

Art. no.	drive	TL	kg	PU
110702	1/4"	100	0,059	1

Sockets 1/4"

1/4"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3124; ISO 2725 | Finishing: Silver mat finished | Profile: hexagonal | Torsion: 30-50% (depends on size) higher than DIN | Life-Time: 200k circle times at 35% of DIN | 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"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3122; ISO 3315 | Finishing: Silver mat finished | Torsion: 30% higher than DIN | Life-Time: 30k circle times at 35% of DIN | for extension bar work as T handle

Art. no.	kg	PU
110706	0,029	1

Spinner handle for screwdriver 1/4"

1/4"

Material: Chrom-Vanadium-Stahl, Industriequalität

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 436.

✸ Best-seller Premium product

Universal joint 1/4"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3122; ISO 3315 | Finishing: Silver mat finished | Torsion: 40% higher than DIN | Life-Time: 40k circle times at 35% of DIN

Art. no.	kg	PU
110726	0,024	1

Insert bit sockets PH 1/4"

Material: Sockets: Cr-V steel; Bits: S2 Xtra Moly steel | Industrial quality | Standards: DIN / ISO standards | Finishing: Silver mat finished

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"

Material: Sockets: Cr-V steel; Bits: S2 Xtra Moly steel | Industrial quality | Standards: DIN / ISO standards | Finishing: Silver mat finished

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"

Material: Sockets: Cr-V steel; Bits: S2 Xtra Moly steel | Industrial quality | Standards: DIN / ISO standards | Finishing: Silver mat finished

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"

Material: Sockets: Cr-V steel; Bits: S2 Xtra Moly steel | Industrial quality | Standards: DIN / ISO standards | Finishing: Silver mat finished

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"

Material: Cr-V; Cr-Moly steel | Industrial quality | Standards: DIN 3122; ISO 3315 | Finishing: Silver mat finished | Torsion: 30% higher than DIN | Life-Time: 30k circle times

Art. no.	drive	TL	kg	PU
110676/K	3/8"	185	0,260	1

Extension 3/8"

3/8"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3123; ISO 3316 | Finishing: Silver mat finished | Torsion: 30% higher than DIN | Life-Time: 30k circle times at 35% of DIN

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"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3124; ISO 2725 | Finishing: Silver mat finished | Profile: hexagonal | Torsion: 30-50% (depends on size) higher than DIN | Life-Time: 200k circle times at 35% of DIN | square drive

Art. no.	WS	kg	PU
110738	**16**	0,092	1
110739	**21**	0,139	1

Sockets 3/8"

3/8"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3124; ISO 2725 | Finishing: Silver mat finished | Profile: hexagonal | Torsion: 30-50% (depends on size) higher than DIN | Life-Time: 200k circle times at 35% of DIN | 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"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3122; ISO 3315 | Finishing: Silver mat finished | Torsion: 30% higher than DIN | Life-Time: 30k circle times at 35% of DIN | for extension bar work as T handle

Art. no.	kg	PU
110741	0,070	1

Universal joint 3/8"

3/8"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3122; ISO 3315 | Finishing: Silver mat finished | Torsion: 40% higher than DIN | Life-Time: 40k circle times at 35% of DIN

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 436.

Best-seller Premium product

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"

Material: Cr-V; Cr-Moly steel | Industrial quality | Standards: DIN 3122; ISO 3315 | Finishing: Silver mat finished | Torsion: 30% higher than DIN | Life-Time: 30k circle times

Art. no.	drive	TL	kg	PU
110677/K	1/2"	260	0,560	1

Extension 1/2"

1/2"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3123; ISO 3316 | Finishing: Silver mat finished | Torsion: 30% higher than DIN | Life-Time: 30k circle times at 35% of DIN

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"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3124; ISO 2725 | Finishing: Silver mat finished | Profile: hexagonal | Torsion: 30-50% (depends on size) higher than DIN | Life-Time: 200k circle times at 35% of DIN | 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"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3124; ISO 2725 | Finishing: Silver mat finished | Profile: hexagonal | Torsion: 30-50% (depends on size) higher than DIN | Life-Time: 200k circle times at 35% of DIN | square drive

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"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3122; ISO 3315 | Finishing: Silver mat finished | Torsion: 30% higher than DIN | Life-Time: 30k circle times at 35% of DIN | for extension bar work as T handle

Art. no.	kg	PU
110757	0,069	1

Universal joint 1/2"

1/2"

Material: Cr-V 50BV30 steel | Industrial quality | Standards: DIN 3122; ISO 3315 | Finishing: Silver mat finished | Torsion: 40% higher than DIN | Life-Time: 40k circle times at 35% of DIN

Art. no.	kg	PU
110758	0,152	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

1/2" 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 436.

✸ 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 436.

✸ 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

1 220370 ABS plastic box "SysCon S"

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

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

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 436.

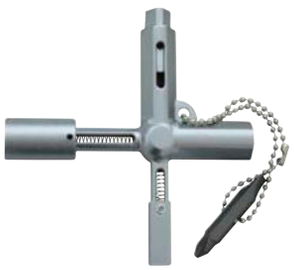
Best-seller Premium product

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



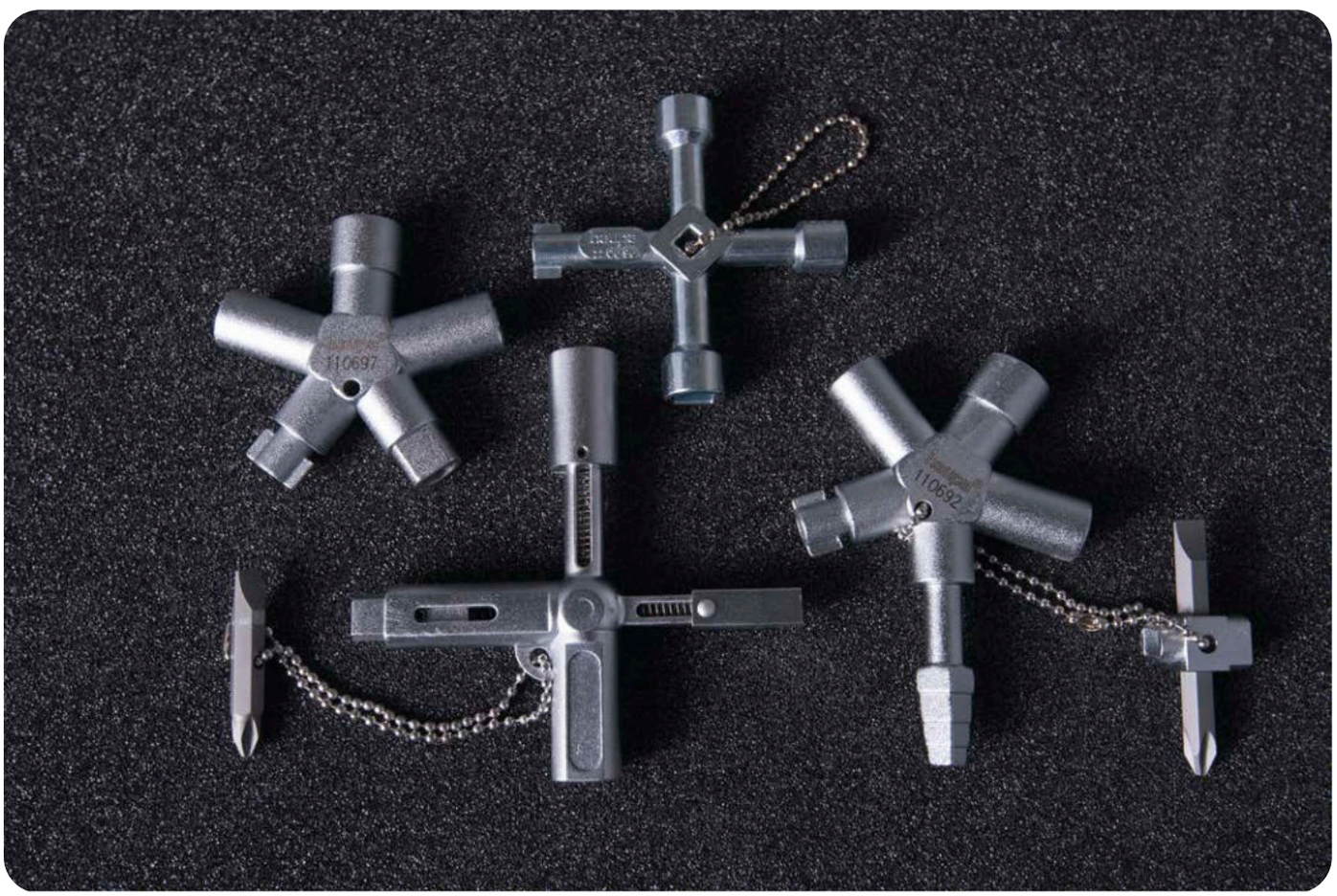
Not available in GB and FR!

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 436.

✸ 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 436.

✸ 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 436.

✸ Best-seller 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“

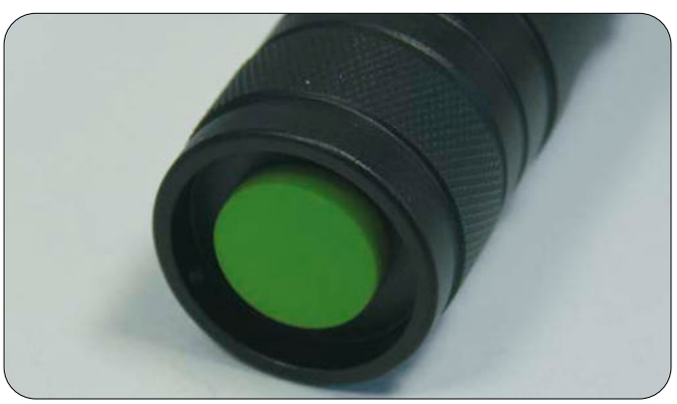
- Rechargeable battery, lithium-ion 2200 mAH 3.7 V
- Integrated charging unit
- 1 x switch operation 100 % lighting performance
  2 x switch operation 30 % lighting performance
- Additional battery holder as backup
- Deep discharge protection
- LED 5 Watt CREE XP-G
- Charging cable 230 Volt, charging 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

Holster for LED torches

Suitable for item numbers: 130312, 130314

Art. no.	width	depth	height	kg	PU
130322	30	10	100	0,180	1



PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ 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

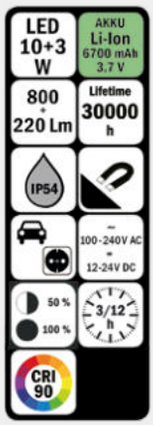
Mini working light “HUPlight4”

- 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

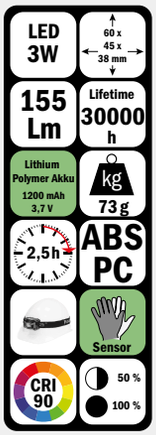
Art. no.		Watt	size	kg	PU
130348	✷	10+3	220 x 57 x 40 mm	0,380	1

LED headlamp „HUPflash155“

- 3 W COB LED
- Material: ABS, PC
- Luminosity 155 Lm
- Colour reproduction 90 CRI
- Battery-powered (3 x AAA included in the scope of delivery)
- Variable light intensity, 50% | 100%
- Operating time:
  - approx. 2.5 hours at 100% light intensity
  - approx. 4 hours at 50% light intensity
- Very easy-to-balance headlamp
- Automatically switches on and off, thanks to special **sensor technology**
- Easy to operate e.g. when wearing protective gloves
- **Headband with silicone strips** for secure fastening to work helmets
- Dimensions: 60 x 45 x 38 mm
- Weight: 49 g (without batteries)

Art. no.	Watt	size	kg	PU
130319	3	60 x 45 x 38 mm	0,090	1

LED headlamp „HUPflash155+“



- **3.7 V 1200 mAh lithium polymer battery**
- 3 W COB LED
- Material: ABS, PC
- Light intensity 155 Lm
- Colour reproduction 90 CRI
- Variable light intensity, 50% | 100%
- Operating time:
  - approx. 2.5 hours at 100% light intensity
  - approx. 4 hours at 50% light intensity
- Charging cable (micro USB) included in the scope of delivery
- Charging time approx. 4 hours
- Very easy-to-balance headlamp
- Automatically switches on and off, thanks to special **sensor technology**
- Easy to operate e.g. when wearing protective gloves
- **Headband with silicone strips** for secure fastening to work helmets
- Dimensions: 60 x 45 x 38 mm
- Weight: 73 g

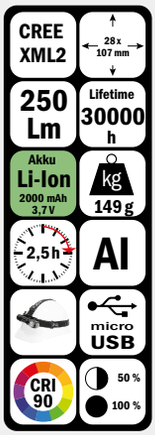
Art. no.	Watt	size	kg	PU
130321	3	60 x 45 x 38 mm	0,073	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

NEW

LED headlamp „HUPflash250“



- **Li-Ion battery 18650 3.7 V 2000 mAh**
- Can be used as a headlamp or a torch
- CREE XML2 LED
- Light intensity 250 Lm
- Colour reproduction 90 CRI
- 3 different light intensity levels + flash + SOS mode
- **Stable housing, made of aluminium**, copper and stainless steel
- Variable light intensity, 50% | 100%
- Operating time:
  - approx. 2.5 hours at 100% light intensity
  - approx. 4 hours at 50% light intensity
- Charging time approx. 4 hours
- **With pocket clip** for attachment to bags and belts
- **Headband with silicone strips** for secure fastening to work helmets
- **Magnetic stand**
- Charging cable (micro USB) included in the scope of delivery
- Dimensions: 28 x 107 mm
- Weight: 149 g

Art. no.	Watt	size	kg	PU
130323	XML2	28 x 107 mm	0,149	1

Compact LED floodlights

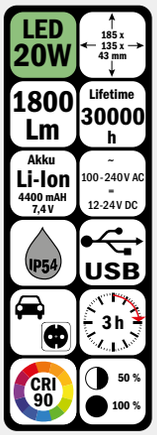
Compact floodlight „HUPlight10pro“

- 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

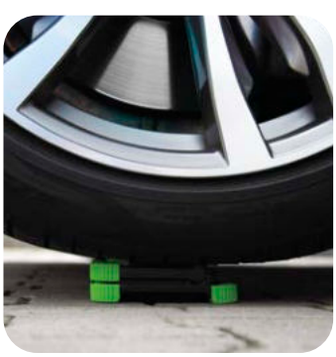
Compact floodlight „HUPlight20pro“



- 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

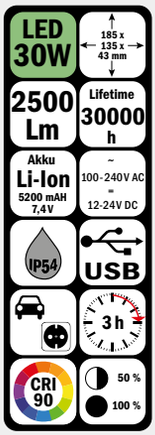


HUPlightpro Crashtest

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ Best-seller Premium product

Compact floodlight „HUPlight30pro“



- Integrated Li-Ion 7.4V / 5.2Ah battery
- **30 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
- 2500 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° | 130352

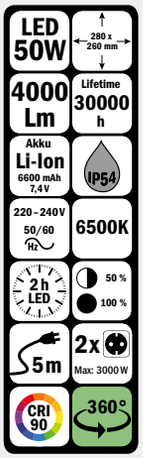
Art. no.	Watt	size	kg	PU
130352 ✸	30	185 x 135 x 43 mm	1,500	1

Magnetic lamp holder

- Holder for affixing working lamps
- Suitable for Item Nos. 130344, 130346, 130352
- extra strong magnet for flexible mounting

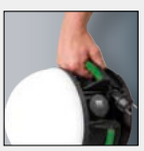
Art. no.	size	kg	PU
130343	85 x 85 x 40 mm	0,180	1

Domed luminaire „HUPlight50combi“



- integrated Li-Ion 7.4 V / 6.6 Ah battery
- **50 watt LED**
- extremely resistant housing made of highly impact-resistant plastic
- for indoor and outdoor use, protected against splashing water according to IP54
- Extremely bright illumination, colour temperature 6500 K
- Brightness 4000 Lm
- Colour rendering 90 CRI
- Variable light output, 50% | 100%
- Operating time:
  - Approx. 2 hours with 100% light output
  - Approx. 4 hours with 50% light output
- Charging time approx 2.5 hours
- 2x earthed sockets: 220 – 240 V~AC | Max: 3000 W
- Charging/power source of external / other devices
- Cable: 5 Metre H07RN-F 3G1.5mm²
- Hook for mounting and hanging up
- Carrying handle
- Dimensions: Ø 280 x 260 mm

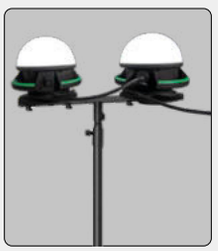
130338 | 360°



Art. no.	Watt	size	kg	PU
130360 ✸	50	280 x 260 mm	2,240	1

Stand for „HUPlight50combi“

- Dimensions: 115 x 115 x 300 cm
- Adjustable height maximum 3 m
- Weight: ca. 3,5 kg



Art. no.	size	kg	PU
130361	1150 x 1150 x 3000 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 436.

✸ 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

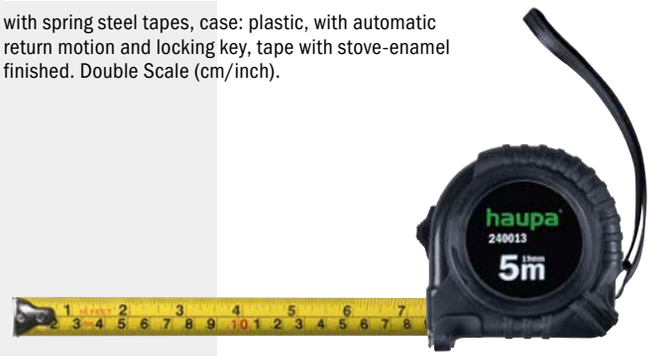
Measuring tapes

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

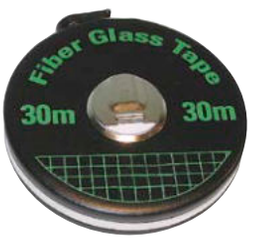
with spring steel tapes, case: plastic, with automatic return motion and locking key, tape with stove-enamel finished. Double Scale (cm/inch).



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 436.

✸ Best-seller Premium product

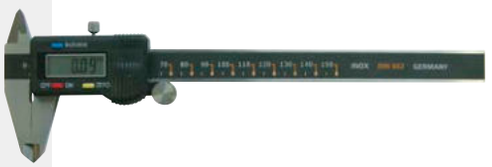
Precision pocket vernier calipers „Stainless“

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

12 items per packaging unit

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

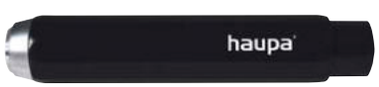
Marking chalk

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 436.

✷ 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 436.

✸ 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

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 436.

✸ 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“

PREMIUM

- 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

NEW

Set workshop supplies in a construction bucket

Content:

- Sturdy, weather-resistant plastic bucket with a metal handle, 12 l
- PU cut-protection gloves Level 5, grey, size 10
- Hand brush, short, 29 cm
- Metal dustpan with a wooden handle
- Rubble sack 75 l, 575 x 1000 mm, 5 sacks
- Rubbish sack extra 120 l, 700 x 1100 mm, 10 sacks

Art. no	set	kg	PU
393107	**6-pieces**	0,700	1

INFO

Lashing belts **Industrial quality**

Both for experts and private persons: Load safety is a very important topic.

In case a shipping belt is not or wrong installed and the goods slip or fall down the consequences are grave. The least risks are that the goods or vehicles get damaged. Even small unfasten things can turn into bullets and jeopardise your life or the life of other persons in case of emergency braking. For this reason police and trade association regularly withdraw vehicles with insufficient safety load from service.

For this reason we would like to introduce you to some simple declared basic principles for the correct load safety. It does not matter if you carry a bike or a new refrigerator, if you pack tools and construction materials into your van daily or if you load complete trucks.

Single lashing belts are used for the strapping of the load. They do not need any connecting elements. If you want to safe heavy objects from turning over or falling down you should use single lashing belts. The clamping elements enable high traction forces without muscle power. Please choose the belt depending on the desired traction and depending on where you put on the belt.

Two-piece lashing belts are easy to be handled and you can fix them quickly. Nowadays they are very important for the load safety. They assume that belts can be hooked, e. g. loops, rails etc. are available. You save time because the belt does not have to be leaded around the goods.

Lashing belt 400 daN, 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 400 daN, two-piece with hook

Permitted tensile force 400 daN in a straight line, two-piece with hook.
Manufactured according to DIN EN 12195-2.

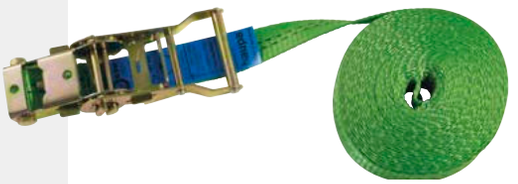
- 800 daN when wrapped
- Colour green
- Belt width 25 mm
- Belt length 8 m
- With mini ratchet

Art. no.	TL	width	daN	kg	PU
393152	8000	25	400	0,450	1

Lashing belt 1000 daN, 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

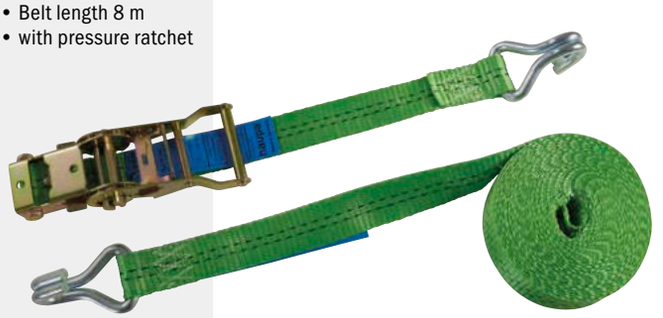


Art. no.	TL	width	daN	kg	PU
393154	8000	35	1000	1,000	1

Lashing belt 1000 daN, 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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

INFO

Classification of ladders **Industrial quality**

Our ladders are designed and tested according to the EN 131 Standard.

They are suitable for both private and commercial use. Endurance tests of, for example, 4,000 telescopic slides and other extreme loads, such as the alternating load of the uppermost step of 50,000 cycles, are only a fraction of the requirements that are fulfilled in full and beyond.

The high quality standards make our ladders the perfect companion for the professional.

HAUPA Ladders / HAUPA Ladders / HAUPA Ladders / HAUPA Ladders
EN 131
Tested for commercial use

Aluminium telescoping stepladder

NEW

Ideal for transport in the smallest of spaces, can be used as stepladders and single ladders.

Properties:
- Cross supports for a secure positioning
- with carrying handle
- The 2-stage leg support can be pulled out or remain in the ladder.
- bevelled, non-slip rubber feet for the right angle of attack
- sliding brake for a safe retraction

TÜVRheinland ZERTIFIZIERT
Regelmäßige Produktionsüberwachung Sicherheit Bauart geprüft
www.tuv.com ID 1419068699

max. 150 kg

EN 131

Art. no.	Length	Rungs	Retracted	Width	kg	PU
392804	2,3 m	6+2	0,74 m	0,69 m	14,5 kg	1

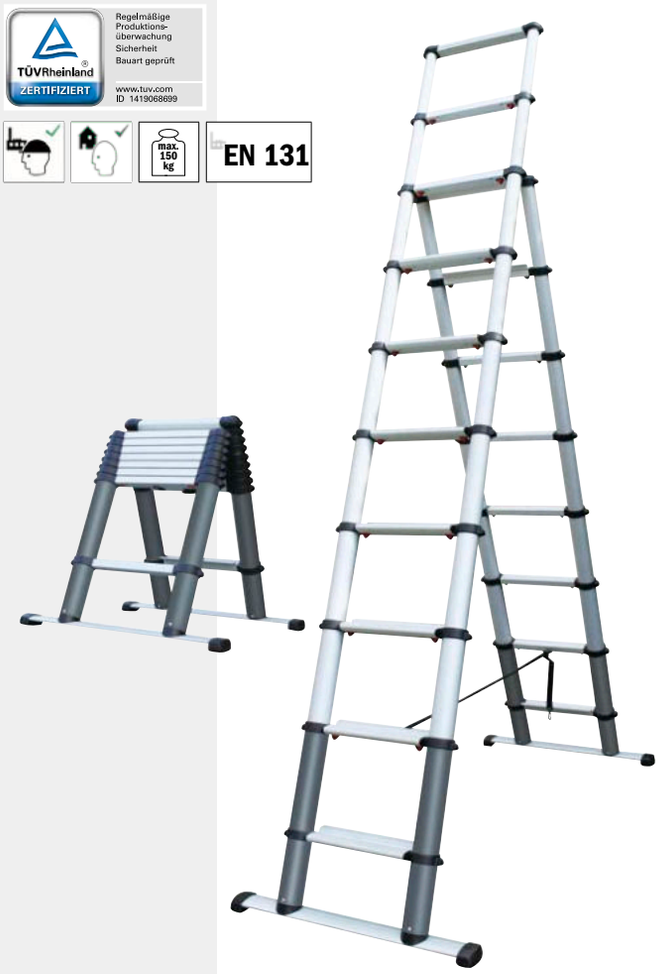
haupa®
... convincing solutions

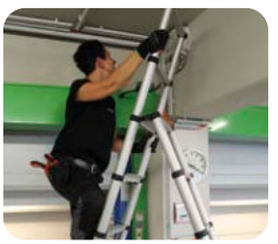
Germany: HAUPA, Koenigstr. 165-169, 42853 Remscheid, Phone: +49 (0)2191 8418-0, Fax: +49 (0)2191 8418-840, sales@haupa.com

Aluminium telescoping stepladder

Ideal for transport in the smallest of spaces, can be used as stepladders and single ladders.

Properties:
- Cross supports for a secure positioning
- with carrying handle
- The 2-stage leg support can be pulled out or remain in the ladder.
- bevelled, non-slip rubber feet for the right angle of attack
- sliding brake for a safe retraction



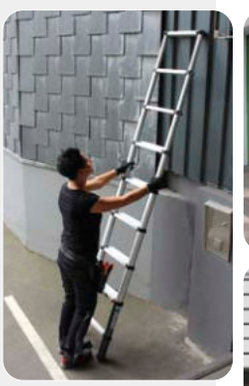


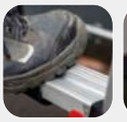
Art. no.	Length	Rungs	Retracted	Width	kg	PU
392806	3,0 m	8+2	0,79 m	0,76 m	20,0 kg	1

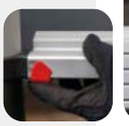
Aluminium telescoping single-ladder

Ideal for transport.

Properties:
- variable adjustment of the height by means of lasered height indicators on the steps
- complex, stable cross support (for article 392802)
- more safety and comfort thanks to step extensions and anti-slip grooves
- comfortable pressure closer, easy operation even with wet hands
- sliding brake for a safe retraction
- Rubber caps on feet and upper end







Art. no.	Length	Rungs	Retracted	Width	kg	PU
392800	2,6 m	9	0,72 m	0,49 m	8,10 kg	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

Aluminium telescoping single-ladder

Ideal for transport.

Properties:
- variable adjustment of the height by means of lasered height indicators on the steps
- complex, stable cross support (for article 392802)
- more safety and comfort thanks to step extensions and anti-slip grooves
- comfortable pressure closer, easy operation even with wet hands
- sliding brake for a safe retraction
- Rubber caps on feet and upper end

TÜVRheinland ZERTIFIZIERT
Regelmäßige Produktionsüberwachung
Sicherheit
Bauart geprüft
www.tuv.com
ID 1419068699

max. 150 kg

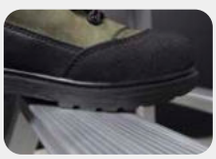
EN 131

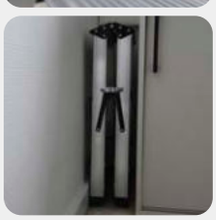
Art. no.	Length	Rungs	Retracted	Width	kg	PU
392802	3,8 m	13	0,86 m	0,88 m	15,0 kg	1

Aluminium stepladder

Versatile use and easy to transport and stow away thanks to the folding mechanism.

Properties:
- 2 single steps per side + 1 main step
- the corrugated surface of the steps prevents slipping
- when opened, the step reaches a height of 59 cm
- low weight of 2.5 kg thanks to robust aluminium
- loadable up to 150 kg
- with folding lock
- non-slip stand feet





max. 150 kg

Art. no.	Height	Steps	Width	kg	PU
392810	590 mm	2 x 3	400 x 560 mm	2,50 kg	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 436.

✸ 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

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 436.

✸ 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 436.

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

NEW

Safety cutter knife

for cutting plastics, wallpaper, cardboard, leather, carpets, with automatic blade lock, blade guide made of metal, soft grip, 1x blade 18 mm included, with automatic blade retraction to prevent cutting injuries

Art. no.	BL	form	kg	PU
200209	18	straight	0,098	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

HAUPA Black Blades

Cutter blades, 10-part, suitable for Art. 200209

- **very sharp blade** for precise cuts
- fits all conventional cutter knives
- dual edge for maximum sharpness
- maximum lifespan thanks to flame hardening process
- ideal for various materials
- blade is coated black
- delivered in a dispenser
- 8 segments
- 100 x 18 x 0.5 mm

10 x

Art. no.	BL	form	set	kg	PU
200006	18	straight	**10-pieces**	0,080	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

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

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

Hole-cutting tin snips

with polished blade, carbon steel, figure cuts (large radii)

Art. no.	TL	kg	PU
200140	250	0,523	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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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

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

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

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 436.

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
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 436.

✸ 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

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 436.

✸ 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, 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

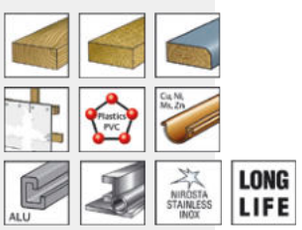
Diamond cutting disk „Spezial“

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 436.

✸ Best-seller PREMIUM Premium product

INFO

Hole saws **Industrial quality**

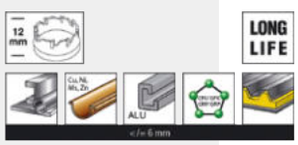
The performance of a saw blade depends on the base material quality, the kind of toothing and the tooth geometry. These factors guarantee in conjunction with the correct use of the machine and blade selection the optimum result in cutting
all materials.

- 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
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	30	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

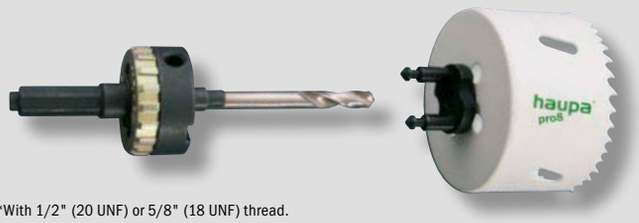
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ 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

Art. no.	TL	Ø	kg	PU
392020	100	6,5	0,030	1

Hole saw arbor – HUPspeedEject

NEW

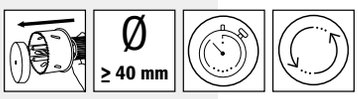
Using the HUPspeedEjects makes hole drilling easy and effortless. By setting your drill to left hand drive the drill core is ejected automatically.
This Arbor also allows you to change from one saw to another effortlessly.
Also a plus: the patented receiver for hole saws ranging from 40 – 250 mm in diameter.

Advantages of the arbor
- Fully automatic ejection of drill core
- Changing of saws is made easier
- Patended hole saw receiver

Set Includes:
1x hole saw arbor for saws ranging from 40 – 250 mm in diameter
1x Pilot drill (diameter 6,5 mm, length 75 mm)

PREMIUM

Video | 232015



Art. no.	size	shankt/Ø	kg	PU
232015	40-250	9,5	0,417	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

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

Centre drill for holder 392024 | 392026 | 392028

Art. no.	TL	Ø	kg	PU
392022	100	6,5	0,030	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

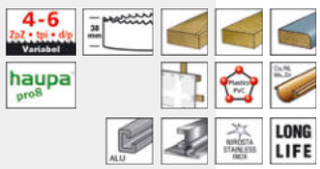
Art. no.	TL	type	Ø	shank	kg	PU
232007	120	universal	9	hexagon	0,020	1

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	**7-pieces**	1,300	1

Bi-Metal Arbored Hole Saw HUPspeedEject

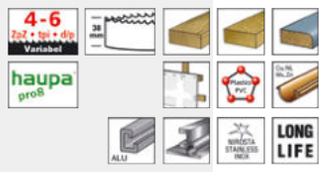
NEW

The new 6-piece HUPspeedEject kit perfects working with hole saws in the electrical sector. Variable 4/6 teeth. Made from high quality cobalt-alloyed Bi-Metal with one-piece rear cover. **Designed specifically for:** Wood, Metal, Dirwall, Polymer, non-ferrous Metal, Aluminim, Steel and Stainless Steel from 1 mm thickness. Saw arbor HUPspeedEject with hexagonal drill bit. The set comes in a high quality polymer case, measurements 340 x 275 x 83 mm.

Set Includes:
5 x Bi-Metal hole saw with diameters 40, 51, 68, 73, 83 mm
1 x HUPspeedEject hole saw arbor with Pilot drill

Advantages of the arbor
- Fully automatic ejection of drill core
- Changing of saws is made easier
- Patended hole saw receiver
- Saving you time and money

PREMIUM



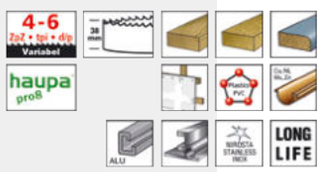
Video

Art. no.	Content	kg	PU
230011	**6-pieces**	2,184	1

Bi-metal hole saw set „QuickChange“

Set in black plastic case, dimensions: 255 x 210 x 72 mm

Contents:
- Hole saws bi-metal 35 mm
- Hole saws bi-metal 40 mm
- Hole saws bi-metal 51 mm
- Hole saws bi-metal 68 mm
- Hole saws bi-metal 73 mm
- Hole saws bi-metal 83 mm
- Adapter „QuickLock“



Video

Art. no.	Content	kg	PU
230002	**7-pieces**	1,785	1

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ Best-seller PREMIUM Premium product

Drilling tools

haupa®
... convincing solutions

Threading bits, taps

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 436.

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. 231072

art. 231070

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 436.

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

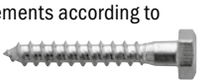
Chipboard screw pan head „TwinSpeed“

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 436.

✷ 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

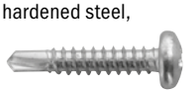
Plate screw DIN 7504

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	13	0,012	100	100
790564	25	M8	13	0,014	100	100
790566	30	M8	13	0,016	100	100
790588	20	M10	17	0,023	100	100
790592	30	M10	17	0,028	100	100
790616	30	M12	19	0,040	100	50
790618	40	M12	19	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 436.

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

„Mix“ Screws and dowel assortment box

NEW

Content: 700 screws, 425 dowel in plastic bulk storage chest 415 x 335 x 90 mm

Qty.	Description	Size	Art. no.
100	Expansion dowel sleeve	S6	794014
50	Expansion dowel sleeve	S8	794016
25	Expansion dowel sleeve	S10	794018
100	Countersunk nail dowel	5x50	794022
50	Countersunk nail dowel	6x40	794024
50	Countersunk nail dowel	6x60	794026
50	Countersunk nail dowel	6x80	794028
50	Universal pan head screw	4x35	790101
100	Universal pan head screw	5x40	790120
200	Universal countersunk screw	4x45	790030
200	Universal countersunk screw	5x50	790054
100	Universal countersunk screw	6x50	790063

Art. no.	empty	kg	PE	PU
792821	221131	5,000	1	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

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 436.

Best-seller Premium product

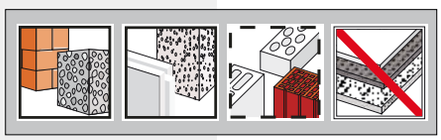
Push-through expansion dowel

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

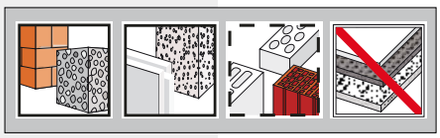
Countersunk nail dowel

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

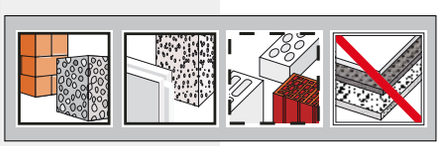
Expansion dowel sleeve

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

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

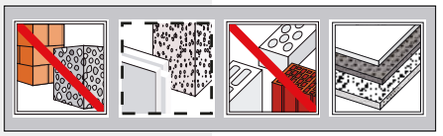
Plasterboard dowel with setting tool

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 436.

Best-seller Premium product

Tool cases

haupa®

... convincing solutions

Classification for tool cases | Specifications

Legend

ABS rigid case

maximum load

with document compartment

with lock

with lock (TSA)

with combination lock

flight-suitable

air and water-tight

temperature range for use

Trolley

ABS

- Surrounding impact edge protection
- High quality metal locks, lockable
- Stable and hardened aluminium frame
- Ergonomic handle
- 3 metal hinges
- Including carrying strap

220028 Tool case „Start up S“ 460 x 180 x 310 mm

220031 Tool case „Start up Profi“ 470 x 200 x 360 mm

220023 Trolley „Start up Profi“ 470 x 200 x 360 mm

HDPEfly

- 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

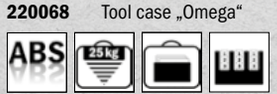
220248 Trolley flight-suitable HDPE 470 x 220 x 360 mm

ABS+

- Extra wide surrounding impact edge protection
- High quality metal locks, lockable
- Extra stable and hardened aluminium frame
- 3 metal hinges
- Particularly stable lid holder

220076 Tool case „Pendant“ 460 x 180 x 310 mm

220068 Tool case „Omega“ 460 x 180 x 310 mm



220038 Tool case „Aktion“ 460 x 160 x 310 mm

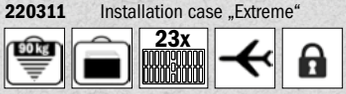
220042 Tool case „Omega Max“ 470 x 200 x 360 mm

220048 Tool case „Omega Trolley“ 470 x 220 x 360 mm

PPsafe

- 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

220311 Installation case „Extreme“ 581 x 455 x 381 mm



220299 Tool case trolley „Extreme“ 517 x 277 x 217 mm

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”

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

“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

HAUPA „Squarebag“

NEW

Tool bag made of 600D Polyester

- compact design and low weight
- with inner and outer tool compartments
- rubber-reinforced base as protection against dirt and moisture
- double cross-seam for heavy loads
- carrier bar of metal, for high wearing comfort
- removeable carrying strap, padded
- additional pockets of polyester with hook of metal and velcro fastening
- Material: extra strong 600D Polyester, water resistant and dirt-repellent
- colour: green, black

Art. no.	width	depth	height	kg	PU
220703	250	240	230	1,572	1

HAUPA „ToolContainer“

NEW

Tool bag made of 600D Polyester

- open spacious main compartment with carrier bar of metal and anti-slip grip
- big removeable protective cover made of polyester, with velcro fastening
- outside: 7 open storage bags and 3 bags with velcro fastening
- inside: 4 open storage bags, 2 buffering belts made of polyester and 2 holder of metal for measuring tapes
- adjustable, removeable shoulder strap, padded
- removeable belt pouch with 4 compartments to organize tools

Art. Nr.	width	depth	height	kg	PU
220704	510	320	250	3,080	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

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.

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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

Tool bag 1000 V

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

Belts and jackets

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 belts 1000 V

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 436.

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

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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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

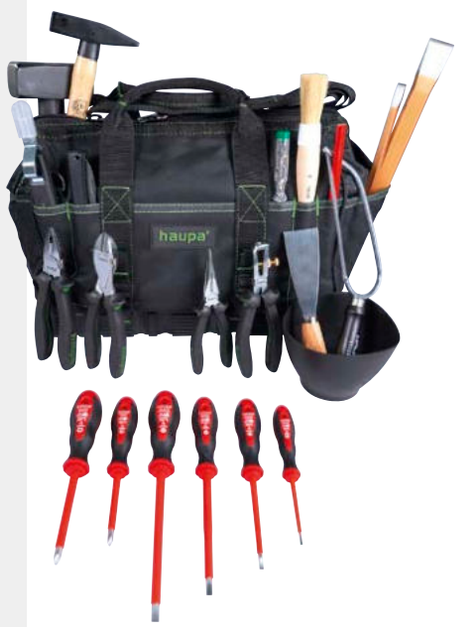
HAUPA “ToolBag XL Classic“

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®

... 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 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

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

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

“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

haupa®

... convincing solutions

“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

HAUPA „SquareBag Basic 1000 V“

Tool bag made of 600D Polyester, with inner and outer tool compartments, with padded carrying strap, rubber-reinforced base, double cross-seam for heavy loads. ToolBag 220703.

Content:

- Automatic wire stripper “Super Plus“ 0,2 – 6 mm²
- 2C-VDE electricians’ screwdrivers HUPslim 4 x 100 mm, blade thickness 0,8 and 1,0 mm
- 2C-VDE electricians’ screwdrivers HUPslim PH, size 1 + 2
- 2C-VDE electricians’ screwdrivers HUPslim PZ/FL, size 2
- VDE telephone pliers 45°, 200 mm*
- VDE side cutters 160 mm*
- VDE combination pliers 180 mm*
- Measuring tape 3 m
- PU textile gloves, size 9

1000 V IEC 60900

reduced

Art. no.	set	empty	kg	PU
220706	**11-pieces**	220703	3,040	1

HAUPA „ToolContainer Work“

Tool bag made of 600D Polyester, with inner and outer tool compartments, with carrier bar of metal and anti-slip grip, removeable protective cover made of polyester, removeable belt pouch, ToolBag 220704.

Content:

- VDE Screwdriver set HUPslim 1000 V, Phillips, 6 pcs. Content: 2C-VDE electricians’ screwdrivers HUPslim 3,5 x 0,6 x 100 mm | 4 x 0,8 x 100 mm | 5,5 x 1,0 x 125 mm | 6,5 x 1,2 x 150 mm, 1 VDE-Cross slotted screwdrivers HUPslim PH, size 1 + 2
- 2C-VDE electricians’ screwdrivers HUPslim 4 x 1,0 x 100 mm
- VDE screwdrivers HUPslim PZ/FL 1 + 2
- VDE combination pliers 180 mm*
- VDE side cutters 160 mm*
- VDE long chain nose pliers 200 mm*
- VDE cable cutter 160 mm
- Stripper “Allrounder“ 4 – 15 mm²
- Stripper “Top Coax Plus“ 4,8 – 7,5 mm²
- Perlon fish tapes, 15 m x 3 mm
- 100 x connecting clamps PC, 5-pole, 1 – 2,5 mm²
- PU textile gloves Level 5, size 10
- Spanners for switch-cabinet “HUPkey“
- LED “Pen Torch“ • Folding rules 2 m
- Aluminium spirit levels 400 mm
- Carpenters‘ pencils • Water brushes
- Plaster cups • Paint scrapers 50 mm
- Stone chisels 32 x 300 mm
- Engineers‘ hammer 300 g • Sledge hammer 1000 g
- Utility metal knives
- Hacksaw 300 mm
- SDS-hammer drill sets
- Contact spray HUPwetBlock
- Industrial cleaning wipes
- Electricians’ chisels 10 x 250 mm

1000 V IEC 60900

reduced

Art. no.	set	empty	kg	PU
220705	**29-pieces**	220704	9,800	1

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. Nr.	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. Nr.	set	Breite	Höhe	Tiefe	kg	PU
220130	**11-pieces**	300	230	50	2,216	1

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 “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.

220060: Favorit
220064: Admiral
220066: Profi

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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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

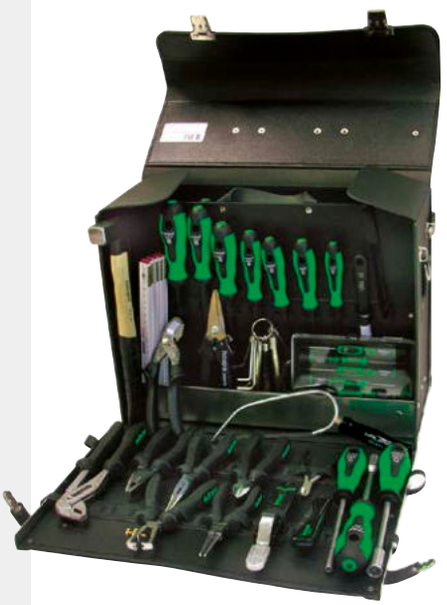
Leather tool cases

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

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 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

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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 436.

✷ 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 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

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 “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 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

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 20kg

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 20kg

Art. no.		set	empty	kg	PU
220027	**24-pieces**		220028	8,080	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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

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

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

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 436.

✸ 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

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)

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

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

Art. no.	set	empty	kg	PU
220254 ✷	**38-pieces**	220023	14,700	1

Werkzeug-Trolley „Master 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, 38 tools, case 220023.

Content:

- 2C-VDE-screwdrivers set PH
- 2C-VDE screwdrivers PZ/FL, size 1 + 2
- VDE-Cable knive straight blade
- 2C-VDE combination pliers 180 mm
- VDE side cutters 160 mm
- VDE telephone pliers 45°, 200 mm
- Industrial cleaning wipes • Measuring tape 3 m
- PUK pocket saw, fixed handle • VDE cable cutter 230 mm
- Automatic wire stripper 0,2 - 6 mm²
- Ear protection plugs SNR 30 db • 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“
- 2C Allround soft-grip scissors 140 mm
- Elektronik ESD Electronic side cutter 115 mm
- Adjustable single-head wrench 24 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

reduced

ABS | 20kg

Art. no.	set	empty	kg	PU
220329	**38-pieces**	220023	14,7000	1

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

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

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

Art. no.		set	empty	kg	PU
220171		**40-pieces**	220023	11,100	1

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

Art. no.		set	empty	kg	PU
220272		**57-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 436.

Best-seller Premium product

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 25kg

Art. no.	set	empty	kg	PU
220170	**18-pieces**	220038	7,000	1

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 25kg

Art. no.	set	empty	kg	PU
220141	**21-pieces**	220038	8,800	1

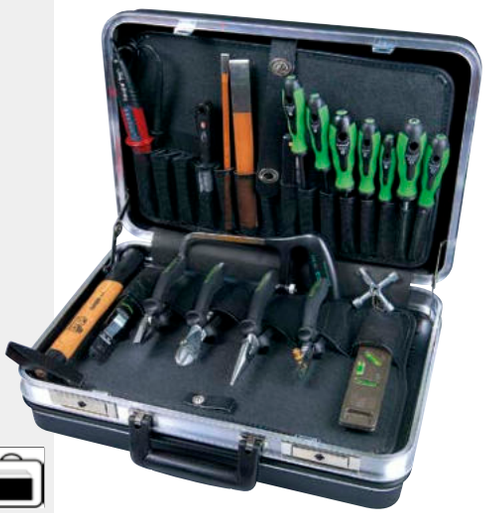
Tool case “Panther“

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 25kg

Art. no.		set	empty	kg	PU
220040	**21-pieces**		220038	7,460	1

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 25kg

Art. no.		set	empty	kg	PU
220229	**47-pieces**		220038	7,180	1

PU Packing unit PE Price unit

The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

Best-seller Premium product

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

Art. no.	set	empty	kg	PU
220153 *	**19-pieces**	220038	6,600	1

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

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

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

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

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

Art. no.	set	empty	kg	PU
220177 *	**32-pieces**	220068	10,260	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 “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

Art. no.	set	empty	kg	PU
220043	**19-pieces**	220042	11,000	1

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 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

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

Art. no.	set	empty	kg	PU
220136	**32-pieces**	220076	9,400	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

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 25kg

Art. no.		set	empty	kg	PU
220303		**21-pieces**	220076	8,680	1

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 40kg

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 436.

Best-seller Premium product

Tool case "HAUPA – Lifesaver" 1000 V

PREMIUM

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

Installation case „Extreme“

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.

Content:
- 2C-VDE cross slotted screwdrivers HUPslim PZ, size 1 + 2
- 2C-VDE cross slotted screwdrivers HUPslim PZ/FL, size 1 + 2
- 2C-VDE electricians' screwdrivers HUPslim 3,5 x 100, 4 x 100, 5,5 x 125 mm
- 2C-VDE cross slotted screwdrivers HUPslim PH, size 1 + 2
- Cable stripper
- Allround soft-grip scissors VDE
- Cable stripping knife 1000V, straight blade, 50 mm
- Automatic wire stripper, 0.08 - 6 mm²
- Combination pliers VDE 180 mm
- 2C-VDE telephone pliers, 200 mm
- Cable cutters VDE 160 mm
- Side cutters VDE 160 mm
- Cable cutter 180 mm
- Hand cable cutter Ø 32 mm
- crimping pliers 0.08 - 16 mm²
- HUPcompact „HC01“
- Insulated end sleeves 0,5, 0,75, 1,0, 2,5, 4,0, 6,0 mm²
- Insulated butt connectors 0,5-1,0, 1,5-2,5 mm²
- Insulated socket sleeves 0,5-1,0, 1,5-2,5 mm²
- Insulated ring terminals 0,5-1,0, 1,5-2,5 mm²

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220319	**38-pieces**	220311	20,200	1

Tool case trolley „Extreme“ 1000 V

Empty, waterproof and perfectly sealed thanks to the embedded neoprene O rings and pressure relief valve, this case provides absolute protection for your tools.

Content:
- 2C-VDE cross slotted screwdrivers HUPslim PZ, size 1 + 2
- 2C-VDE cross slotted screwdrivers HUPslim PZ/FL, size 1 + 2
- 2C-VDE electricians' screwdrivers HUPslim 3,5 x 100, 4 x 100, 5,5 x 125 mm
- 2C-VDE cross slotted screwdrivers HUPslim PH, size 1 + 2
- Cable stripper
- Allround soft-grip scissors VDE
- Cable stripping knife 1000V, straight blade, 50 mm
- Automatic wire stripper, 0.08 - 6 mm²
- Combination pliers VDE 180 mm
- 2C-VDE telephone pliers, 200 mm
- Cable cutters VDE 160 mm
- Side cutters VDE 160 mm
- Voltage tester “Profi LEDplus II”
- Safety fuse grips
- Finger gloves 1000 V, size 10
- Tool case 1000 V, 1/4“

1000 V IEC 60900

Art. no.	set	empty	kg	PU
220323	**22-pieces**	220299	12,200	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 25kg

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 20kg

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:

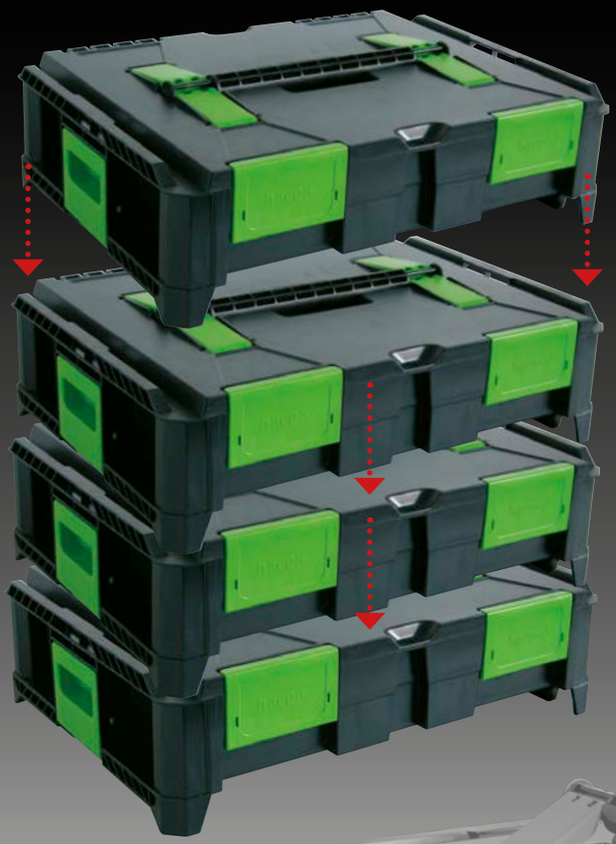
4 Boxes 49 x 49 x 72 mm
6 Boxes 49 x 98 x 72 mm
2 Boxes 98 x 98 x 72 mm
4 Boxes 98 x 148 x 72 mm

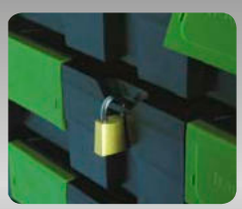
Art. no.	width	depth	height		kg	PU
221131 *	415	335	90		1,500	1
221133	415	335	90	empty	1,200	1

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 436.

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

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

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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

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

SysCon

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

SysCon

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

SysCon

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

SysCon

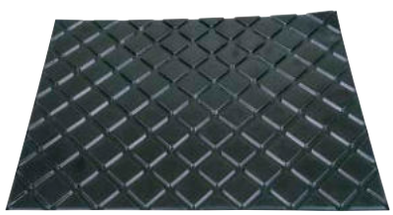
ABS, conical design for stacking with snap on base plate

Art. no.	width	depth	height	kg	PU
221137	148	98	72	0,065	1

Baseplate for fixing

SysCon

Polypropylene, grids for even better non-slip grip

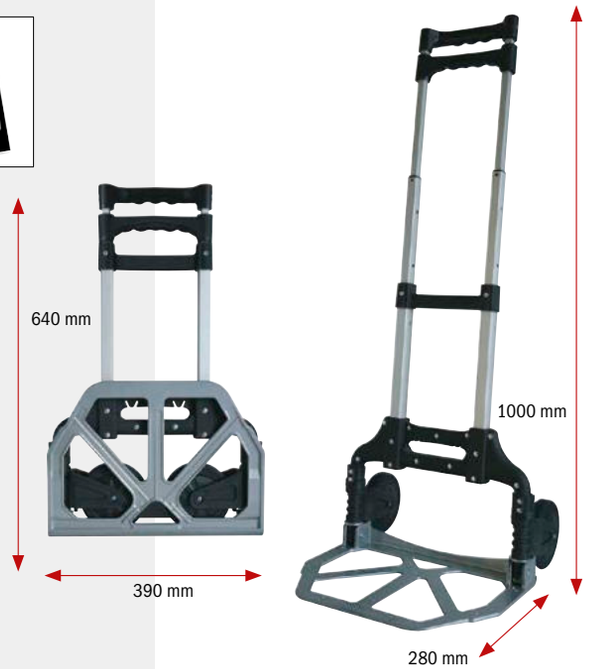


Art. no.	width	depth	kg	PU
221138	400	300	0,100	1

SysCon hand truck

SysCon

Properties:
- up to 60 kg
- sturdy aluminum frame
- Hand truck shevel: 390 x 280 mm



Art. no.	max.kg	kg	PU
220602	60	2,500	1

SysCon load securing “SysConCar“

SysCon

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 436.

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

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

PU Packing unit PE Price unit
The legend for abbreviations for all table headers can be found sorted alphabetically on page 436.

✸ 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 „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 436.

✸ 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 436.

✸ 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

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.

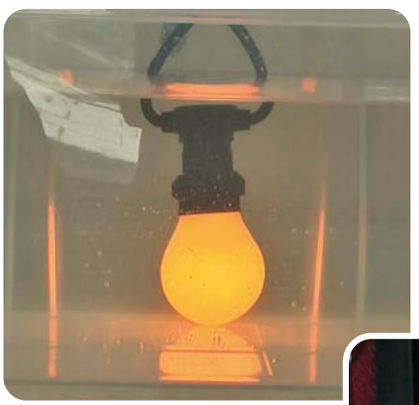
Art. no.	ml		kg	PU
170102 ✸	500	Cleaning	0,600	1

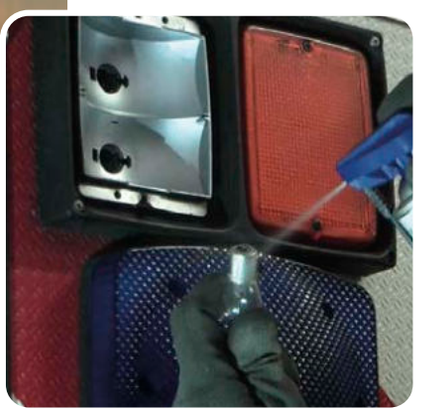
Electric-Engine-Cleaner HUPelectroClean

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 436.

✸ 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

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 436.

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

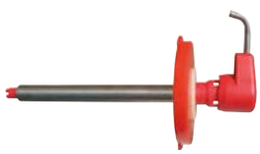
Application HUPsoap:
Rub some grams on dry hands, add some water and wash thoroughly. Reduce the consumption with the corresponding dosing dispenser.

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 HUPwipeMini

NEW

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.	wipes	kg	PU
150601	170 x 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 436.

Best-seller Premium product

Soldering accessoires

haupa®
... convincing solutions

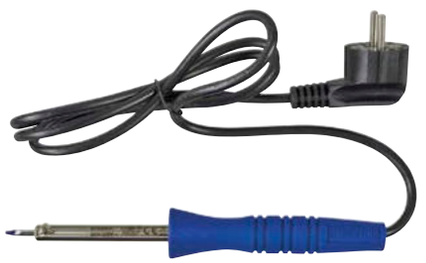
Soldering irons

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

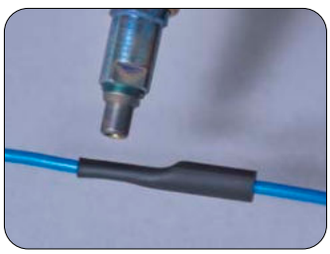
Art. no.	TL	Volt	Watt	kg	PU
160190	200	220	15	0,257	1

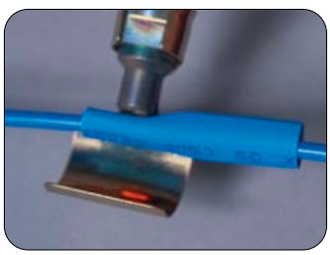
Torch brazing set SolderingKit

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 436.

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 436.

Best-seller Premium product

Index

haupa®
... convincing solutions

Index

Art. no.	page
100241	266
100243	266
100249	266
100250	266
100252	266
100257	266
100259	266
100261	266
100366	267
100585	268
100590	269
100592	269
100594	269
100596	269
100598	269
100600	269
100602	269
100606	269
100610	269
100612	269
100614	269
100630	268
100632	268
100633	268
100634	268
100635	268
100636	268
100640	268
100645	270
100646	270
100647	270
100648	270
100649	270
100680	267
100694	267
100700	246
100704	266
100704 A	266
100712	266
100713	266
100714	266
100715	266
100716	266
100718 A	266
100720	266
100721	266
100723	266
100728	266
100729	266
100729 A	266
100734	266
100736	266
100738	266
100741	266
100742	266
100902	269
100903	269
100904	269
100905	269
100906	269
100908	269
100909	269
100915	268
100917	268
100921	269
100927	269
100941	268
100943	268
100961	269
100965	269
100967	269
101200	261
101202	261
101204	261
101206	261
101208	261
101210	261
101211	261
101212/S	261
101229/6	261
101230	261
101484	263
101486	263
101488	263
101490	263
101492	263
101494	263
101496	263
101500	263
101502	263
101510	263
101520	261
101521	261
101522	261
101524	261
101526	261
101528	261
101530	261
101532	261
101534	261
101536	261
101538	261
101540	261
101541	261
101542	261
101544	261
101546	261
101548	261
101550	261
101552	261
101554	261
101560	262
101562	262
101604	260
101606	260
101608	260
101610	260
101612	260
101614	260
101640	260
101642	260
101644	260
101646	260
101648	260
101650	260
101684	260
101686	260
101688	260
101690	260
101850	210
101852	210
101854	210
101856	210
101858	210
101860	210
101862	210
101864	210
101866	210
101870	209
101872	209
101874	271
101876	271
101879	209
101880	271
101882	271
101910	209
101912	209
101914	209
101916	209
101917	209
101918	209
101920	209
101922	209
101924	209
101940	210
101942	210
101944	210
101946	210
101950	210
101952	210
101954	210
101956	210
101980	210
101999	210
101999/PZ	210
102000-1	212
102000/PZ-1	212
102001	212
102002	212
102004	212
102005	212
102006	212
102008	212
102010	212
102012	212
102014	212
102016	212
102017	212
102018	212
102020	212
102022	212
102030	212
102032	212
102034	212
102036	212
102040	212
102042-1	212
102044	212
102052	213
102060	212
102062	212
102064	212
102066	212
102068	212
102070	212
102072	212
102110	270
102112	270
102114	270
102116	270
102118	271
102120	271
102124	271
102126	271
102130	271
102131	271
102132	271
102134	271
102152	270
102154	270
102155	270
102164	270
102166	270
102172	270
102174	270
102176	271
102178	271
102188	271
102190	271
102198	271
102200	271
102204	271
102208	271
102210	272
102212	273
102214	272
102216	272
102512	211
102520	211
102522	211
102524	211
102526	211
102528	211
102530	211
102532	211
102534	211
102536	211
102538	211
102540	211
102550	210
102552	210
102554	210
102556	210
102612	260
102614	260
102616	260
102700-1	214
102700/PZ-1	214
102701-1	214
102701/PZ-1	214
102702-1	215
102703-1	215
102704-1	215
102705-1	215
102706-1	215
102707-1	215
102710	216
102712	216
102714	216
102716	216
102718	216
102720	216
102722	216
102724	216
102726	216
102730	216
102732	216
102734	216
102736	216
102740	216
102742	216
102744	216
102746	216
102748	216
102750	216
102752	216
102760	216
102762	216
102764	216
102766	216
102768	216
102770	216
102772	216
102780	216
102782	216
102784	216
102785-1	214
102790	216
102792	216
102870	206
102872	206
102879	206
102914	207
102916	207
102917	207
102918	207
102920	207
102942	207
102944	207
102952	207
102954	207
102980	208
102999	207
102999/PZ	207
103000-1	264
103002-1	264
103010	265
103012	265
103014	265
103016	265
103018	265
103020	265
103022	265
103024	265
103026	265
103028	265
103030	265
103032	265
103034-1	264
103070	265
103072	265
103080	262
103082	262
103120	262
103122	262
103130	261
103132	261
103134	261
103136	261
103470	262
103472	262
103498	263
103800	245
103809	245
103815	246
103817	246
103824	244
103826	244
104000	267
104002	267
104004	267
104006	273
104008-1	263
104009	274
104010	266
104020-1	274
104022-1	274
104030	275
104090	213
110000	226
110002	226
110004	226
110006	226
110008	226
110010	226
110012	226
110022	226
110024	226
110026	226
110028	226
110030	226
110032	226
110034	226
110036	226
110039/EN	234
110040/EN	238
110042	226
110044	226
110046	226
110048	226
110050	226
110052	226
110054	226
110055/EN	234
110056/EN	234
110058/EN	238
110060	226
110062	226
110064	226
110065/EN	234
110066/EN	238
110067/EN	238
110068/EN	238
110070	226
110071	234
110073	234
110074	226
110075	234
110076	226
110078	226
110080	226
110081	226
110083	226
110084	226
110085	226
110087	226
110089	226
110090	278
110091	226
110092	278
110093	226
110094	278
110095	226
110096	278
110097	226
110099	226
110100	278
110104	278
110108	278
110112	278
110114	278
110120	278
110130	278
110132	278
110140	278
110142	278
110144	278
110146	278
110148	278
110152	278
110154	278
110160	278
110164	278
110170	278
110172	278
110180	278
110182	278
110184	278
110186	278
110188	278
110190	278
110192	278
110194	278
110196	278
110198	278
110202	278
110204	278
110206	278
110212	278
110216	278
110222	278
110250	278
110252	278
110260	226
110262	226
110264	226
110266	226
110268	226
110270	226
110272	226
110274	226
110276	226
110278	226
110280	226
110282	226
110284	226
110286	226
110288	226
110290	226
110300	227
110302	227
110304	227
110306	227
110308	227
110310	227
110312	227
110314	227
110316	227
110318	227
110320	227
110322	227
110324	227
110331/EN	234
110332/EN	238
110335/EN	234
110336/EN	238
110337/EN	234
110338/EN	238
110339/EN	238
110340/EN	238
110342/EN	238
110344/EN	238
110346/125	238
110346/250	239
110346/EN	238
110348/125	238
110348/250	239
110348/EN	238
110350/125	238
110350/250	239
110350/EN	238
110352/125	238
110352/250	239
110352/EN	238
110354/125	238
110354/250	239
110354/EN	238
110356/125	238
110356/250	239
110356/EN	238
110358/125	238
110358/250	239
110358/EN	238
110360/125	238
110360/250	239
110360/EN	238
110362/125	238
110362/250	239
110362/EN	238
110363/EN	234
110364/EN	234
110365/EN	234
110366/EN	234
110367/EN	234
110368/EN	234
110369/EN	234
110371/EN	234
110373/EN	238
110374/EN	238
110375/EN	238
110376/EN	238
110377/EN	238
110378/EN	238
110379/EN	238
110456/EN	234
110457/EN	234
110458/EN	234
110555	227
110556	227
110557	227
110558	224
110559	224

We reserve the right to amendment products and/or prices at any time. Our general terms and conditions are essential.

Art. no.	page
110561	224
110569	224
110581	34
110583	279
110585	279
110590	279
110592	279
110594	279
110596	279
110605	286
110607	286
110608	286
110609	287
110610	286
110672	285
110674	280
110674/K	280
110676	282
110676/K	282
110677	283
110677/K	283
110678	284
110691	288
110692	288
110693	288
110696	289
110697	288
110698	289
110700	280
110700/EN	234
110701	280
110702	280
110702/EN	234
110703/10	280
110703/11	280
110703/12	280
110703/13	280
110703/4	280
110703/45	280
110703/5	280
110703/55	280
110703/6	280
110703/7	280
110703/8	280
110703/9	280
110704	240
110705	240
110706	280
110709	240
110710	235
110711	281
110712	235
110713	235
110714	235
110715	235
110716	235
110717	235
110718	281
110719	281
110720	281
110721	281
110722	281
110723	281
110724	281
110725	280
110726	281
110727	281
110728	281
110729	281
110731	282
110733	282
110735	282
110737/10	282
110737/11	282
110737/12	282
110737/13	282
110737/14	282
110737/15	282
110737/16	282
110737/17	282
110737/18	282
110737/19	282
110737/20	282
110737/21	282
110737/22	282
110737/24	282
110737/6	282
110737/7	282
110737/8	282
110737/9	282
110738	282
110739	282
110741	282
110745	282
110747	281
110749	281
110751	283
110752	283
110753	283
110754	281
110754/10	283
110754/11	283
110754/12	283
110754/13	283
110754/14	283
110754/15	283
110754/16	283
110754/17	283
110754/18	283
110754/19	283
110754/20	283
110754/21	283
110754/22	283
110754/24	283
110754/26	283
110754/27	283
110754/28	283
110754/30	283
110754/32	283
110755	283
110756	283
110757	283
110758	283
110759	281
110760	281
110780	279
110782	279
110798	279
110810	230
110812	230
110813	230
110814	230
110816	230
110818	230
110820	230
110822	230
110824	230
110826	230
110828	230
110830	230
110832	230
110834	230
110836	230
110838	230
110840	230
110842	230
110844	230
110846	230
110848	230
110860	230
110861	234
110862	238
110864	230
110866	230
110868	230
110869	231
110870	227
110871	231
110872	227
110873	235
110874	227
110876	227
110878	227
110880	227
110882	227
110884	227
110886	227
110888	227
110890	227
110892	227
110900	279
110900/10	279
110900/12	279
110900/13	279
110900/14	279
110900/17	279
110900/19	279
110900/8	279
110900/9	279
110902	279
111737	282
120002	240
120003	249
120004	248
120005	248
120006	248
120006 561	248
120006 564 S	248
120006 587	248
120007	248
120007/1	248
120008	251
120008 GELB	251
120008 ROT	251
120008 WEISS	251
120010	251
120011	249
120012	249
120014	252
120015	252
120016	252
120017	252
120018	252
120028	249
120029	249
120030	255
120031	255
120033	255
120034	251
120037	249
120040	255
120042	255
120044	255
120046	255
120048	255
120049	256
120050	256
120051	218
120052	218
120057	256
120058	256
120059	256
120060	256
120062	256
120064	256
120069	256
120070	256
120071	256
120072	256
120073	256
120074	256
120077	256
120078	256
120079	256
120087	251
120088	251
120089	256
120094	240
120095	256
120096	256
120100	240
120101	240
120102	240
120103	240
120104	240
120106	251
120109	248
120111	252
120112	252
120115	252
120116	252
120120	252
120122	252
120160	255
120162	255
120164	255
120166	255
120168	255
120200	255
120300/10	250
120300/11	250
120300/6	250
120300/7	250
120300/8	250
120300/9	250
120302/10	250
120302/11	250
120302/9	250
120304/10	250
120304/11	250
120304/9	250
120310	250
130004	258
130006	258
130042	258
130044	258
130064	258
130066	258
130068	258
130200	322
130201	322
130202	322
130203	322
130204	322
130206	322
130208	322
130209	322
130210	322
130211	322
130212	322
130214	322
130310	298
130312	298
130314	298
130316	298
130319	300
130321	300
130322	298
130323	301
130328	299
130336	299
130343	303
130344	302
130346	302
130348	299
130352	303
130360	304
130361	304
140180	342
140182	342
140190	342
140192	342
140210	342
140214	342
140216	342
140218	342
140220	342
140222	342
140224	342
140226	342
140228	342
140230	342
140232	342
140234	342
140236	342
140238	342
140240	342
140242	342
140244	342
140246	342
140248	342
140250	342
140252	342
140254	342
140256	342
140258	342
140260	342
140262	342
140510	308
140520	308
140530	308
143000	92
143002	92
143002/ECO	92
143004	92
143006	92
143008	92
143010	92
143012	92
143014	92
143016	92
143018	92
143020	92
143024	92
143026	92
143028	92
143030	92
143050	93
143052	93
143054	93
143056	93
143058	93
143060	93
143062	93
143064	93
143066	93
143068	93
143070	93
143072	93
143100	94
143102	94
143104	94
143105	94
143106	94
143108	94
143110	94
143111	94
143112	94
143114	94
143116	94
143117	94
143118	94
143120	94
143122	94
143124	94
143126	94
143128	94
143130	94
143132	94
143134	94
143136	94
143150	95
143152	95
143154	95
143156	95
143160	95
143162	95
143164	95
143166	95
143168	95
143170	95
143172	95
143174	95
143176	95
143178	95
143180	95
143182	95
143184	95
143185	97
143186	95
143187	95
143188	97
143190	95
143200	95
143202	95
143204	95
143210	96
143212	96
143214	96
143216	96
143218	96
143220	96
143222	96
143224	96
143226	96
143228	96
143230	96
143232	96
143250	96
143252	96
143254	96
143256	96
143258	96
143260	96
143262	96
143264	96
143266	97
143270	96
143272	96
143274	96
143276	96
143278	96
143280	96
143300	98
143302	98
143304	98
143306	98
143308	98
143310	98
143312	98
143314	98
143316	98
143318	98
143320	98
143322	98
143324	98
143326	98
143328	98
143330	98
143332	98
143334	98
143336	98
143338	98
143340	98
143342	98
143344	413
143345	413
143346	413
143348	413
143398	100
143400	100
143402	100
143404	100
143406	100
143420	102
143422	102
143424	102
143430	103
143432	103
143434	103
143440	103
143441	103
143442	103
143443	103
143444	103
143500	91
143501	91
143502	91
143503	91
143505	91
143506	91
143507	91
143508	91
143509	91
150002	312
150004	312
150006	312
150008	312
150010	312
150012	313
150015 B	307
150015 G	307
150015 R	307
150015/1	307
150019	308
150024	312
150025	307
150026	312
150027	307
150028	312
150029	313
150033	313
150036	240
150037	240
150038	240
150039	313
150090	307
150152	90
150154	90
150156	90
150158	90
150200	90
150202	90
150204	90
150206	90
150208	90
150210	90
150220	90
150222	90
150224	90
150226	90
150228	90

Index

Art. no.	page
150230	90
150232	90
150234	90
150236	90
150238	90
150239	90
150240	254
150241	90
150243	90
150245	90
150247	90
150258	254
150270	254
150274	254
150275	254
150276	254
150277	254
150278	254
150279	254
150280	254
150302	255
150304	255
150306	255
150308	255
150310	255
150312	255
150314	255
150316	255
150318	255
150320	255
150322	255
150340	257
150342	257
150343	257
150344	257
150345	257
150360	257
150362	257
150364	257
150366	257
150368	257
150370	257
150375 BLAU	257
150375 GRÜN	257
150375 ROT	257
150377	251
150450	90
150452	90
150454	90
150456	90
150458	90
150462	90
150464	90
150466	90
150468	90
150470	90
150476	90
150478	90
150480	90
150482	90
150560	91
150562	91
150601	419
160000	424
160002	424
160004	424
160006	424
160008	424
160012	424
160014	424
160016	424
160018	424
160020	424
160022	424
160024	424
160026	424
160028	424
160030	424
160042	424
160044	424
160046	424
160050	424
160052	424
160054	424
160060	424
160062	424
160070	424
160072	424
160074	424
160090	423
160092	423
160094	423
160096	423
160100	423
160102	423
160112	423
160114	423
160130	423
160142	422
160144	422
160146	422
160150	422
160190	422
160402	424
160404	424
160406	424
160408	424
160414	424
160416	424
160418	424
160420	424
160422	424
160424	424
160426	424
160430	424
160442	424
160444	424
160446	424
160450	424
160452	424
160454	424
170100	417
170101	417
170102	416
170103	417
170104	417
170106	418
170108	418
170112	418
170114	416
170116	418
170118	419
170126	419
170127	419
170128	419
170129	419
170140	414
170141	414
170142	414
170150	414
170152	414
170153	414
170154	414
170156	415
170158	415
170160	415
170162	415
170164	416
170166	415
170170	415
170172	416
170174	413
170180	416
170200	411
170202	411
170206	410
170210	410
170212	410
170214	410
170216	410
170220	411
170222	412
170224	412
170226	412
170232	412
170234	411
170236	412
170238	413
170240	413
170250	411
170254	411
170400	420
170402	420
170404	420
170406	418
180008	320
180010	320
180012	320
180042	320
180044	320
180062	320
180064	320
180076	320
180082	320
180084	320
180090	320
180092	320
180094	320
180110	320
180120	320
180170	320
180173	320
180182	321
180184	321
180186	321
180188	321
180200	321
180202	321
180232	321
180274	321
180276	321
180290	321
180292	321
180295	240
180297	240
180300	321
180302	321
180321	320
180323	321
180334	321
180346	321
180464	320
180466	320
180468	320
180470	320
180474	320
180500	334
180502	334
180504	334
180506	334
180508	334
180510	334
180512	334
180513	334
180514	334
180515	334
180516	334
180517	334
180518	334
180519	334
180520	334
180521	334
180523	334
180525	334
180530	334
180532	334
180534	334
190126	322
190130	322
190132	322
200000	225
200002	225
200003	225
200004	225
200005	225
200006	325
200007	225
200008	324
200009	225
200010	324
200011	324
200012	324
200013	225
200014	324
200016	324
200018	324
200021	325
200022	24
200023	24
200023/M	24
200024	24
200025	325
200025/KL	325
200026	326
200027	325
200028	326
200030	326
200031	25
200032	325
200033	26
200036	25
200037	25
200038	25
200039	26
200040	25
200042	25
200043	25
200044	25
200046	25
200050	25
200051	325
200057	28
200059	326
200068	26
200069	26
200072	7
200073	9
200073/MK	9
200081	224
200081/MK	224
200086	8
200086/VDE	220
200087	9
200088	8
200088/VDE	220
200089	11
200095	9
200095/MK	9
200099	9
200099/MK	9
200100	10
200104	10
200105	8
200109	223
200110	223
200111	11
200112	11
200113	12
200114	12
200115	13
200116	12
200119	13
200120	222
200123	223
200124	15
200126	15
200127	222
200128	222
200129	222
200130	224
200131	15
200132	224
200140	326
200141	223
200149	224
200151	15
200153	7
200155	7
200170	10
200173	10
200175	10
200177	12
200178	14
200178/B	14
200178/C	14
200178/S	14
200178/S1	14
200178/S2	14
200179	13
200181	10
200183	11
200185	7
200187	34
200188	34
200190	326
200192	326
200193	223
200194	326
200195	223
200196	326
200197	10
200198	223
200199	11
200201	222
200209	325
200214	7
200215	7
200216	7
200217	7
200218	7
200219	7
200280	327
200284	327
200285	327
200286	327
200287	327
200288	327
200290	327
200292	327
200304	327
200310	327
200520	34
200520/1	34
200522	34
200524	34
200524/1	34
200526	34
200528	34
200630	24
200632	24
200634	24
200636	26
200637	26
200638	26
201000	9
201002	9
201002/VDE	222
201010	225
201012	225
201040	24
201042	24
201044	24
201045	25
201046	24
201048	24
201050	24
201052	24
201054	24
201058	25
201059	26
201085	8
201086	8
201087	8
201088	8
210052	292
210053	292
210054	292
210056	219
210058	219
210067	292
210068	292
210069	292
210100	219
210102	219
210110	219
210117	219
210119	219
210156	292
210157	292
210158	292
210263	221
210264	221
210265	221
210266	221
210267	221
210270	219
210296	219
210297	221
210298	221
210299	221
210300	221
210301	221
210302	221
210303	219
210313	293
210350	293
210388	219
210390	219
210394	293
210396	293
210397	293
210398	293
210556	294
210562	294
210583	220
210584	293
210588	220
210592	294
210594	294
210596	294
210616	293
210617	293
210618	293
210620	28
210622	28
210624	28
210644	293
210648	220
210681	29
210682	39
210683	28
210684	28
210685	29
210686	29
210691	28
210692	28
210693	30
210693/1	30
210695	29
210695/E	29
210696	29
210696/2	29
210697	30
210698	29
210699	30
210700	257
210702	257
210704	257
210710	257
210712	257
210714	257
210729	30
210730	30
210731	257
210732	257
210733	257
210761	42
210761/E	52
210762	44
210762/E	52
210763	38
210763/E	52
210764	45
210764/E	52
210765	38
210765/E	52
210767	43
210767/E	52
210768	38
210770	294
210771	45
210772	45
210774	45
210776	294
210777	44
210778	45
210779	45
210784	52
210784/E	52
210785	44
210786	44
210788	39
210789	39
210791	46
210799	45
210802	42
210804	38
210805	46
210805 K	46
210808	42
210818	38
210819	39
210820	38
210824	38
210826	38
210827	42
210830	46
210836	46
210838	46
210840	46
210841	38
210842	38

We reserve the right to amendment products and/or prices at any time. Our general terms and conditions are essential.

Art. no.	page
210842/E	52
210845	42
210849	43
210850	46
210853	46
210857	47
210865	47
210867	47
210869	47
210871	47
210979	39
210979/B	39
211060	240
211062	240
211064	240
211080	294
211198	217
211199	217
211200	217
211202	217
211203	217
211204	217
211206	217
211207	217
211208	217
211209	217
211210	217
211211	217
211212	218
211213	217
211214	217
211216	218
211217	217
211219	217
211221	218
211223	218
211225	218
211226	218
211228	218
211650	38
211652	38
211656	43
211657	37
211657/E	52
211658	43
211659	37
211659/E	52
211660	43
211662	43
211672	38
211672/E	52
211674	38
211676	38
211676/E	52
211678	38
211680	43
211682	44
211690	52
211692	52
211695	43
211697	52
211708	294
211720	294
211722	294
211805	39
211810	39
211816	38
211818	39
211850	295
211852	295
211854	295
211856	295
211858	295
211860	295
211862	295
211864	295
211866	296
211868	296
211870	296
211872	296
211874	296
211875	296
211876	296
211880	296
211928	31
211928/1	31
211930	31
211930/1	31
211932	31
211934	31
211960	53
211962	53
211963	53
211964	53
211965	53
211968	53
211969	53
211970	53
211971	53
211972	53
211973	53
211974	53
211980	53
211981	53
211982	53
211985	53
211990	53
211991	53
211992	53
211993	53
211994	53
211995	53
211996	53
211997	53
211998	53
211999	53
212000	53
212005	37
212007	53
212008	53
212200	37
212206	37
212208	37
212210	37
212212	37
212214	37
212216	37
212218	37
212220	37
212222	37
212226	37
212228	37
212372	79
212376	79
212380	79
212382	79
212384	79
212388	79
212390	79
212392	79
212394	79
212396	79
212580	79
212581	79
212582	79
212583	79
212584	79
212585	79
212586	79
212587	79
212588	79
212804	39
212806	39
213000	47
213002	47
213004	47
213006	47
213008	47
213010	47
213012	47
213014	47
213020	48
213022	48
213024	48
213026	48
213028	48
213030	48
213032	48
213034	48
213036	48
213038	48
213040	48
213042	48
213044	48
213046	48
213048	48
213050	47
213077	50
213078	50
213080	50
213080/E	51
213082	43
213082/E	51
213084	37
213084/E	51
213086	50
213086/E	51
213088	38
213090	42
213092	45
213094	44
213098	51
213098/E	51
213100	51
213102	51
213102/E	51
215000	54
215002	54
215004	54
215006	54
215008	54
215010	54
215012	54
215014	54
215016	54
215018	54
215020	54
215022	54
215024	54
215026	54
215028	54
215030	54
215032	54
215034	54
215036	54
215038	54
215040	54
215042	54
215044	54
215046	54
215048	54
215050	54
215100	55
215102	55
215104	55
215106	55
215108	55
215110	55
215112	55
215114	55
215116	55
215118	55
215120	55
215122	55
215124	55
215126	55
215128	55
215130	55
215142	55
215144	55
215146	55
215148	55
215150	55
215152	55
215154	55
215156	55
215164	55
215166	55
215168	55
215170	55
215172	55
215200	56
215201	56
215202	56
215203	56
215204	56
215205	56
215206	56
215207	56
215208	56
215210	56
215212	56
215214	56
215216	56
215218	56
215220	56
215222	56
215224	56
215226	56
215228	56
215230	56
215232	56
215234	56
215236	56
215238	56
215240	56
215242	56
215244	56
215246	56
215248	56
215250	56
215503	78
215511	78
215513	78
215523	78
215525	78
215527	78
215529	78
215531	78
215533	78
215641	63
215642	63
215643	63
215644	63
215645	63
215646	63
215648	63
215650	63
215651	63
215652	63
215653	63
215654	63
215655	63
215765	63
215770-1	63
215770-1-N	63
215770-1-NO	63
215770/M-1	63
215770/M-1-N	63
215770/M-1-NO	63
215800	64
215852	64
215854	64
215856	64
215858	64
215859	64
215860	64
215861	64
215862	64
215864	64
215866	64
215868	64
215869	64
215870	64
215872	64
215881-1	64
215881-1-N	64
215881-1-NO	64
215881/M-1	64
215881/M-1-N	64
215881/M-1-NO	64
215946	71
215980	71
216004	69
216005	70
216008	72
216008/V	72
216010	72
216010/V	72
216012	72
216012/AL	72
216012/V	72
216014	72
216014/AL	72
216014/V	72
216016	72
216016/AL	72
216016/V	72
216018	72
216018/AL	72
216018/V	72
216020	72
216020/AL	72
216020/V	72
216022	72
216022/AL	72
216022/V	72
216024	72
216024/AL	72
216024/V	72
216026	72
216026/AL	72
216026/V	72
216028	72
216028/AL	72
216028/V	72
216030	72
216030/V	72
216032	72
216032/V	72
216036	72
216038	72
216040	72
216042	72
216042/AL	72
216044	72
216044/AL	72
216046	72
216046/AL	72
216048	72
216048/AL	72
216050	72
216052	72
216052/AL	72
216054	72
216054/AL	72
216056	72
216056/AL	72
216060	72
216060/AL	72
216062/AL	72
216064	72
216065	72
216066	72
216067	72
216068	72
216069	72
216070	72
216071	72
216072	72
216074	72
216076	72
216078	72
216080	72
216082	72
216084	72
216086	72
216088	73
216090	73
216092	73
216094	73
216096	73
216098	73
216100	73
216112	73
216114	73
216116	73
216118	73
216120	73
216122	73
216123	73
216124	69
216125	70
216126	73
216128	73
216130	73
216132	73
216134	73
216136	73
216138	73
216140	73
216142	73
216148	73
216149	73
216150	73
216152	73
216153	73
216154	73
216156	73
216157	73
216160	73
216162	73
216164	73
216166	73
216168	73
216170	73
216172	73
216174	73
216176	73
216178	73
216180	73
216182	73
216236	79
216250	79
216254	78
216304	79
216306	79
216308	79
216310	79
216312	79
216314	79
216316	79
216318	79
216320	79
216322	79
216324	79
216326	79
216328	79
216330	79
216332	79
216334	79
216336	79
216338	79
216340	79
216348	80
216352	80
216355	79
216357	80
216359	88
216364	80
216402	18
216404	18
216408	18
216410	18
216415	18
216416	19
216416/850	19
216417	19
216418-1	20
216418-1-N	20
216418-1-NO	20
216419-1	20
216419-1-N	20
216419-1-NO	20
216421	19
216422-1	21
216424-1	21
216425-1	21
216428-1	21
216430-1	21
216434-1	20
216434-1-N	20
216434-1-NO	20
216435-1	20
216435-1-N	20
216435-1-NO	20
216436-1	20
216436-1-N	20
216436-1-NO	20
216436/F-1	20
216436/F-1-N	20
216436/F-1-NO	20
216503-1	71
216503-1-N	71
216503-1-NO	71
216552	73
216554	73
216556	73
216562	73
216564	73
216566	73
216570	73
216574	73
216576	73
216578	73
216580	73
216582	73
216601	83
216601-1	69
216601-1-N	69
216601-1-NO	69

Index

Art. no.	page
216622	83
216622-1	70
216622-1-N	70
216622-1-NO	70
216660	75
216660/B	76
216660/L	76
216661	76
216663-1	75
216663-1-N	75
216663-1-NO	75
216663/M-1	75
216663/M-1-N	75
216663/M-1-NO	75
216665	75
216665-U	62
216666	76
216666-U	62
216667-1	76
216667-1-N	76
216667-1-NO	76
216667/M-1	76
216667/M-1-N	76
216667/M-1-NO	76
216668/M-1	77
216668/M-1-N	77
216668/M-1-NO	77
216669-1	74
216669-1-N	74
216669-1-NO	74
216669/M-1	74
216669/M-1-N	74
216669/M-1-NO	74
216670	68
216672	68
216674	68
216676	68
216678	68
216680	68
216682	68
216684	68
216686	68
216690	77
216691	77
216760-1	61
216761	61
216762	61
216763	61
216764	61
216765	62
216766	62
216767	62
216768	61
216770	87
216772	88
216775	88
216776	87
216777	87
216778	87
216778/L	87
216779	87
216779/L	87
216780	87
216780/L	87
216781	87
216781/L	87
216782	87
216782/L	87
216783	87
216783/L	87
216784	87
216784/L	87
216785	87
216785/L	87
216786	87
216786/L	87
216787	87
216787/L	87
216788	87
216788/L	87
216789	87
216789/L	87
216790	88
216791	88
216792	88
216793	88
216794	88
216800-1	65
216800-1-N	65
216800-1-NO	65
216801-1	65
216801-1-N	65
216801-1-NO	65
216801/M-1	65
216801/M-1-N	65
216801/M-1-NO	65
216802	66
216804	66
216805-SET	66
216806	67
216806/V	67
216807	66
216808	67
216808/V	67
216810	67
216810/V	67
216812	67
216812/AL	68
216812/AL-SET	66
216812/V	67
216813	68
216814	67
216814/AL	68
216814/V	67
216815	68
216816	67
216816/AL	68
216816/V	67
216817	68
216818	67
216818/AL	68
216818/V	67
216819	68
216820	67
216820/AL	68
216820/V	67
216821	68
216822	67
216822/AL	68
216822/V	67
216823	68
216824	67
216824/AL	68
216824/V	67
216826	67
216826/AL	68
216826/V	67
216828	67
216828/AL	68
216828/V	67
216830	67
216830/V	67
216831-SET	66
216832	67
216834	67
216836	67
216838	67
216840	67
216840/AL	68
216840/AL-SET	66
216842	67
216842/AL	68
216844	67
216844/AL	68
216846	67
216846/AL	68
216848	67
216850	67
216850/AL	68
216852	67
216852/AL	68
216854	67
216854/AL	68
216856	67
216856/AL	68
216858/AL	68
216863	68
216865	68
216867	68
216869	68
216871	68
216873	68
216875	68
216877	68
216878	67
216880	67
216882	67
216884	67
216886	67
216888	67
216890	67
216892	67
216894	67
216896	67
216898	67
216899	67
216926	67
216928	67
216930	67
216932	67
216934	67
216936	67
216938	67
216940	67
216942	67
216944	67
216946	67
216952	67
216954	67
216956	67
216958	67
216960	67
216962	67
216964	67
216966	67
216968	67
216970	67
216972	67
216984	68
216984/25	68
216985	68
216986	68
216986/70	68
216987	68
216988	68
216989	68
217010	40
217020	40
217030	40
217040	40
217050	53
217052	53
217056	53
217058	53
217060	53
217062	53
217064	53
217066	53
217068	53
217070	53
217072	53
217074	53
217076	53
217078	53
217080	53
217082	53
217084	53
217086	53
217088	53
217090	53
217092	53
217094	53
217096	53
217098	53
217100	77
217101	77
217102	77
217103	77
217104	77
217105	77
217107	77
217602	86
217604	86
217610	86
217612	86
217614	86
217616	86
217618	86
217620	86
217622	86
217630	86
217632	86
217634	86
217636	86
217638	86
217640	86
217642	86
217644	86
217646	86
217650	86
217652	86
217654	86
217660	86
217662	86
217664	86
217666	86
220006	358
220014	370
220016	358
220017	227
220022	370
220023	376
220027	380
220028	376
220031	376
220033	394
220038	377
220040	388
220042	376
220043	392
220048	377
220053	355
220054	371
220060	370
220061	356
220064	370
220066	370
220068	377
220070	370
220076	378
220079	395
220095	356
220103	355
220105	355
220110	371
220112	371
220123	218
220126	220
220128	293
220129	293
220130	370
220135	374
220136	393
220137	392
220140	375
220141	387
220142	371
220146	239
220147	235
220148	220
220152/1	372
220153	389
220154	372
220156	371
220168	373
220168/VDE	374
220169	373
220170	387
220171	386
220176	390
220177	391
220179	390
220192	391
220193	397
220205/EN	239
220211	359
220212	235
220213	358
220221	381
220224	355
220229	388
220232	383
220235	382
220239	393
220244	389
220248	377
220252	384
220254	384
220260	52
220263	397
220264	397
220265	355
220267	380
220268	381
220269	379
220272	386
220273	383
220280	359
220281	359
220282	359
220292	357
220293	367
220294	368
220298	368
220299	378
220303	394
220307	385
220309	382
220311	378
220313	358
220319	396
220323	396
220329	385
220355	405
220356	405
220366	356
220368	356
220370	237
220372	402
220374	405
220375	405
220376	405
220377	405
220378	405
220379	404
220381	138
220382	118
220385	172
220386	172
220387	173
220388	173
220389	350
220390	118
220391	138
220392	407
220398	350
220399	405
220400	395
220402	232
220404	236
220410	232
220412	232
220414	232
220415	232
220416	232
220418	232
220420	232
220422	232
220424	232
220426	232
220428	232
220430	232
220432	232
220434	232
220436	232
220438	232
220440	232
220450	236
220452	236
220454	236
220456	236
220458	236
220460	236
220462	236
220464	236
220466	236
220468	236
220470	236
220478	236
220480	236
220482	236
220484	236
220486	236
220488	236
220490	236
220492	236
220494	236
220500	362
220506	358
220510	363
220550	365
220556	365
220560	362
220576	228
220577	228
220578	228
220579	228
220580	228
220581	228
220582	228
220583	228
220584	228
220585	228
220586	228
220587	228
220588	228
220589	228
220590	228
220591	228
220592	228
220593	228
220594	228
220600	284
220602	406
220608	407
220612	237
220620	403
220622	403
220626	404
220628	403
220640	287
220642	287
220644	406
220650	253
220652	253
220653	402
220654	404
220655	404
220703	357
220704	357
220705	369
220706	369
220770	403
220800	364
220802	363
220804	364
220810	366
220812	367
220814	366
221131	348
221133	397
221134	406
221135	406
221136	406
221137	406
221138	406
221277	360
221278	361
221279	361
221280	360
230002	340
230010	330
230011	340
230020	330
230020/CO	330
230030	330
230030/CO	330
230032	330
230032/CO	330
230040	330
230040/CO	330
230050	330
230050/CO	330
230060	330
230060/CO	330
230064	330
230064/CO	330
230066	330
230066/CO	330
230070	330
230070/CO	330
230080	330
230080/CO	330
230084	330
230084/CO	330
230090	330
230090/CO	330
230100	330
230100/CO	330

We reserve the right to amendment products and/or prices at any time. Our general terms and conditions are essential.

Art. no.	page
230110	330
230110/CO	330
230120	330
230120/CO	330
230130	330
230130/CO	330
230136	330
230136/CO	330
230140	330
230140/CO	330
230160	330
230160/CO	330
230170	330
230170/CO	330
230180	330
230180/CO	330
230190	330
230190/CO	330
230200	330
230200/CO	330
230204	330
230204/CO	330
230210	330
230210/CO	330
230220	330
230220/CO	330
230230	330
230230/CO	330
230240	330
230240/CO	330
230244	330
230244/CO	330
230250	330
230250/CO	330
230301/TIN	330
230312	330
230312/R	330
230312/TIN	330
230314	330
230314/R	330
230314/TIN	330
230330	331
230331	331
230332	331
230334	331
230338	331
230340	331
230342	331
230344	331
230346	331
230352	331
230354	331
230356	331
230358	331
230360	331
230362	331
230364	331
230370	331
230372	331
230376	331
230378	331
230380	331
230382	331
230395	332
230396	332
230397	332
230398	332
230400	331
230402	331
230404	331
230406	331
230408	331
230410	331
230412	331
230414	331
230430	332
230431	332
230432	332
230433	332
230434	332
230436	332
230438	332
230438/A	332
230438/B	332
230440	332
230442	332
230442/A	332
230444	332
230444/A	332
230448	332
230450	332
230450/A	332
230451	332
230453	332
230454	332
230456	332
230457	332
230458	332
230459	332
230460	332
230460/A	332
230461	332
230464	332
230466	332
230467	332
230473	332
230474	332
230475	332
230478/1	332
230479	332
230616	331
230618	331
230620	331
230622	331
230626	331
230628	331
230630	331
230634	331
230636	331
230676	335
230676/K	335
230677	335
230677/K	335
230679	335
230681/K	335
230682	342
230683	342
230689	336
230691	336
230701	336
230702	336
230704	336
230705	336
230706	336
230708	336
230709	336
230711	336
230720	336
230721	336
230722	336
230723	336
230725	336
230727	336
230731	336
230732	331
230734	331
230736	331
230738	331
230740	331
230742	331
230746	331
230800	343
230802	343
230804	343
230806	343
230808	343
230810	343
230812	343
230814	343
230816	343
230818	343
230820	343
230822	343
230824	343
230826	343
230828	343
230830	343
230832	343
230834	343
230836	343
230838	343
230840	343
230842	343
230844	343
230846	343
230848	343
230850	343
230852	343
230854	343
230856	343
230858	343
230860	343
230862	343
230864	343
230866	343
230868	343
230870	343
230885/K	335
230886/K	335
230900	332
230902	332
230904	332
230906/1	332
230908	332
230910	332
230912	332
230914	332
230916	332
230918	332
230920	332
230922	332
230924	332
230926	332
230928	332
230930/1	332
230932	332
230934	332
230936	332
230938	332
230940	332
230942	332
230944	332
230946	332
230948	332
230950	332
230952	332
230954/1	332
230956	332
230958	332
230960	332
230962/1	332
230964	332
230966	332
230968	332
230970	332
230972	332
230974	332
230976	332
230978	332
230979	332
230982	342
230984	342
230986	342
230988	342
231050	343
231052	343
231054	343
231056	343
231058	343
231060	343
231062	343
231064	343
231070	343
231072	343
231074	343
231076	343
231080	343
231082	343
231280	344
231282	344
231300	334
231301	334
231302	334
231304	334
231305	334
231306	334
231307	334
231312	334
231319	333
231320	333
231322	333
231324	333
231326	333
231327	333
231330	334
231336	333
231338	333
231340	333
231342	333
231350	333
231352	333
231354	333
231502	331
231508	331
231516	331
231524	331
231526	331
231528	331
231530	331
231532	331
231540	331
231544	331
231546	331
231700	331
231702	331
231704	331
231706	331
231708	331
231710	331
231712	331
231714	331
231716	331
231718	331
231750	331
231752	331
231754	331
231756	331
231758	331
231760	331
231766	331
231803	338
231900	338
231901/21	338
231902	338
231904	338
231904/29	338
231906	338
231908	338
231910	338
231912	338
231912/38	338
231914	338
231914/46	338
231916	338
231918	338
231920	338
231922	338
231924	338
231926	338
231928	338
231929	338
231930	338
231931	338
231932	338
231934	338
231936	338
231938	338
231939/111	338
231940	338
231940/127	338
231940/152	338
231940/210	338
231942	337
231944	337
231946	337
231950	337
231952	337
231954	337
231956	337
231958	337
231960	337
231962	337
231964	337
231966	337
231968	337
231970	337
231972	337
231974	337
231976	337
231978	337
231980	337
231982	337
231984	340
231998	340
231999	340
232007	340
232015	339
240002	306
240005	306
240011	306
240012	306
240013	306
240018	306
240020	306
240022	306
240024	306
240041	306
240042	306
240044	306
240046	306
240048	306
240057	240
240058	240
240059	306
240061	306
240071	307
240073	307
240132	307
240134	307
240136	307
240138	307
240152	307
240154	307
240156	307
240158	307
240160	307
240234	307
250040	190
250042	190
250044	190
250046	190
250048	190
250050	190
250052	190
250054	190
250056	190
250058	190
250060	190
250062	190
250064	190
250066	190
250068	190
250070	190
250072	190
250074	190
250076	190
250078	190
250080	190
250082	190
250084	190
250086	190
250088	190
250090	190
250092	190
250094	190
250096	190
250098	190
250100	190
250102	190
250104	190
250106	190
250108	190
250110	190
250112	190
250114	190
250116	190
250118	190
250120	191
250122	191
250124	191
250126	191
250128	191
250130	191
250132	191
250140	191
250142	191
250144	191
250146	191
250148	191
250150	191
250152	191
250160	191
250162	191
250164	191
250166	191
250168	191
250170	191
250172	191
250174	191
250176	191
250178	191
250180	191
250182	191
250184	191
250186	191
250188	191
250190	191
250192	191
250194	191
250196	191
250198	191
250200	191
250202	191
250204	191
250206	191
250208	191
250210	191
250212	191
250214	191
250216	191
250218	191
250220	191
250222	191
250224	191
250226	191
250228	191
250230	191
250600	192
250602	192
250604	192
250606	192
250608	192
250610	192
250611	192
250612	192
250614	192
250630	192
250632	192
250634	192
250636	192
250638	192
250640	192
250642	192
250644	192
250646	192
250648	192
250650	193
250652	193
250654	193
250656	193
250658	193
250660	193
250661	193
250662	193
250664	193
250666	193
250668	193
250670	193
250672	193
250674	193
250676	193
250678	193
250680	193
250682	193
250684	193
260243	121
260245	121
260246	121
260247	121
260248	121
260250	121
260252	121
260254	121
260256	121
260256/10	125
260258	121
260258/10	125
260260	121
260262	121
260264	121
260267	121
260268	121

Index

Art. no.	page
260270	121
260270/10	125
260272	121
260272/10	125
260274	121
260274/10	125
260276	121
260278	121
260282	121
260284	121
260286	121
260288	121
260288/10	125
260290	121
260290/10	125
260292	121
260300	121
260302	121
260304	121
260304/10	125
260306	121
260306/10	125
260308	121
260310	121
260312	121
260314	121
260314/10	125
260316	121
260316/10	125
260318	121
260320	121
260322	121
260324	121
260324/10	125
260326	121
260328	121
260330	121
260331	121
260332	121
260333	121
260334	121
260335	121
260336	124
260337	124
260338	124
260350	122
260350/10	125
260352	122
260352/10	125
260354	122
260354/10	125
260360	122
260362	122
260364	122
260370	122
260371	122
260372	122
260373	122
260374	122
260376	122
260380	122
260382	122
260384	122
260386	122
260386/10	126
260388	122
260390	122
260390/10	126
260392	122
260392/10	126
260394	122
260394/10	126
260396	122
260396/10	126
260400	122
260402	122
260404	122
260410	123
260411	123
260412	123
260414	123
260414/10	126
260415	123
260416	123
260416/10	126
260417	123
260418	123
260422	123
260422/10	126
260424	123
260424/10	126
260426	123
260426/10	126
260427	130
260428	130
260430	130
260431	130
260440	124
260442	124
260442/10	126
260443	124
260444	124
260446	123
260448	123
260448/10	126
260449	123
260450	123
260500	124
260502	124
260504	124
260510	123
260512	123
260514	123
260516	123
260516/10	126
260518	123
260520	123
260520/10	126
260650	127
260651	127
260654	127
260656	127
260658	127
260660	127
260662	127
260664	127
260665	127
260666	127
260667	127
260670	127
260672	127
260674	127
260676	127
260678	127
260682	127
260684	127
260686	127
260688	127
260690	127
260692	127
260700	127
260702	127
260704	127
260706	127
260708	127
260710	127
260712	127
260714	127
260716	127
260718	127
260721	127
260722	127
260724	127
260726	127
260728	127
260730	127
260731	127
260732	127
260733	127
260734	127
260735	127
260750	128
260752	128
260754	128
260762	137
260764	137
260765	137
260770	128
260771	128
260772	128
260773	128
260774	128
260777	137
260858	148
260860	148
260862	148
260863	148
260902	148
260904	148
260906	148
260908	148
260910	148
260912	148
260914	148
260916	148
260918	148
260920	148
260922	148
260924	148
260926	148
260928	148
260930	148
260932	148
260934	148
260936	148
260938	148
260940	148
260942	148
260944	148
260946	148
260948	148
260950	148
260952	148
260954	148
260956	148
260960	148
260962	148
260964	148
260966	148
260968	148
260970	148
260972	148
260974	148
260976	148
260978	148
260980	148
260982	148
260984	148
262030	182
262031	182
262032	182
262033	182
262034	182
262035	182
262036	182
262037	182
262048	137
262060	182
262062	182
262064	182
262066	182
262068	182
262069	182
262085	197
262086	197
262087	197
262088	197
262089	197
262090	197
262097	200
262098	200
262100	177
262101	177
262102	177
262106	177
262108	177
262110	177
262114	177
262116	177
262120	177
262122	177
262124	177
262126	177
262128	177
262130	177
262132	177
262134	177
262136	177
262140	179
262142	179
262144	179
262151	181
262152	181
262153	181
262154	181
262158	181
262159	184
262160	181
262161	181
262162	181
262163	181
262164	181
262165	181
262170	181
262172	181
262179	180
262180	180
262181	180
262182	180
262183	180
262184	180
262185	180
262186	180
262187	180
262188	180
262189	180
262190	180
262191	180
262200	186
262202	186
262204	186
262206	186
262208	186
262209	186
262210	186
262212	186
262214	186
262215	186
262216	186
262218	186
262219	186
262220	186
262222	186
262223	186
262224	186
262226	186
262227	186
262228	186
262230	186
262231	186
262232	186
262234	186
262235	186
262236	186
262238	186
262240	186
262242	186
262243	186
262244	186
262245	186
262246	186
262247	186
262248	186
262249	186
262254	187
262256	187
262258	187
262260	187
262262	187
262264	187
262266	187
262268	187
262270	187
262272	187
262274	187
262276	187
262278	187
262280	187
262282	187
262284	187
262286	187
262288	187
262290	187
262292	187
262294	187
262296	187
262298	187
262300	187
262302	187
262304	187
262306	187
262308	187
262310	187
262500	176
262500/1	176
262501	177
262502	176
262503	177
262504	176
262505	177
262506	176
262507	177
262508	176
262509	177
262509/1	176
262510	176
262510/1	176
262511	177
262512	176
262512/1	176
262513	177
262515	176
262516	176
262517	177
262518	176
262520	176
262522	176
262523	176
262528	176
262530	176
262532	176
262535	176
262536	176
262537	176
262538	176
262540	176
262542	176
262543	176
262545	176
262546	176
262547	176
262600	177
262600/1	177
262602	177
262604	177
262606	177
262608	177
262609/1	177
262610	177
262610/1	177
262612/1	177
262615	177
262616	177
262618	177
262620	177
262622	177
262623	177
262628	177
262630	177
262632	177
262635	177
262636	177
262637	177
262638	177
262640	177
262642	177
262643	177
262645	177
262646	177
262647	177
262700	179
262702	179
262704	179
262710	179
262750	182
262752	182
262754	182
262756	182
262758	182
262760	182
262762	182
262764	182
262766	182
262768	182
262782	182
262820	179
262822	179
262824	179
262826	179
262828	179
262830	179
262832	179
262834	179
262840	179
262842	179
262844	179
262846	179
262848	179
262850	179
262940/125	184
262940/152	184
262940/200	184
262940/250	184
262940/300	184
262940/360	184
262940/520	184
262942/125	184
262942/152	184
262942/200	184
262942/250	184
262942/300	184
262942/360	184
262942/520	184
262950	177
262950/1050	184
262950/152	184
262950/200	184
262950/300	184
262950/360	184
262950/520	184
262950/680	184
262950/840	184
262952	177
262952/1050	184
262952/152	184
262952/200	184
262952/300	184
262952/360	184
262952/520	184
262952/680	184
262952/840	184
262954	177
262956	177
262958	177
262960	177
262960/1000	184
262960/1200	184
262960/290	184
262960/360	184
262960/520	184
262960/680	184
262960/840	184
262962	177
262962/1000	184
262962/1200	184
262962/290	184
262962/360	184
262962/520	184
262962/680	184
262962/840	184
262964	177
262966	177
262968	177
262970	177
262970/1100	184
262970/1315	184
262972	177
262974	177
262976	177
262978	177
262980	177
263000	178
263004	178
263006	178
263008	178
263010	178
263012	178
263020	178
263022	178
263024	178
263026	178
263028	178
263030	178
263050	178
263056	178
263058	178
263064	178
263066	178
263100	178
263102	178
263104	178
263106	178

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
263108	178	263852	202	267058	197	267328	198	270036	112	270141	108	270778/25	114
263110	178	263854	202	267060	197	267332	198	270038	112	270142	108	270780	113
263112	178	263856	202	267062	197	267334	198	270040	112	270142/500	108	270780/25	114
263200	178	263858	202	267064	199	267336	198	270042	112	270143	108	270782	113
263204	178	263860	202	267066	199	267338	198	270044	112	270143/500	108	270784	113
263208	178	263861	202	267068	199	267340	198	270046	112	270144	108	270784/25	114
263360	128	263862	202	267070	199	267342	198	270048	112	270146	108	270787	113
263362	128	263864	202	267074	199	267344	198	270049	112	270146/500	108	270788	113
263364	128	263866	202	267078	199	267346	198	270050	112	270148	108	270788/25	114
263380	128	263868	202	267080	199	267348	198	270066	109	270148/500	108	270790	113
263382	128	263870	202	267084	199	267352	198	270066/500	109	270149	108	270792	113
263384	128	263872	202	267088	199	267354	198	270068	109	270149/500	108	270792/25	114
263386	128	263874	202	267090	199	267356	198	270068/500	109	270150	108	270794	113
263388	128	263876	202	267092	199	267358	198	270070	109	270150/500	108	270795	115
263392	128	263878	202	267094	199	267360	198	270070/500	109	270152	108	270796	113
263393	128	263880	202	267096	199	267362	198	270072	109	270152/500	108	270796/10	114
263394	128	263882	202	267098	199	267364	198	270072/500	109	270154	108	270797	113
263396	128	263884	202	267100	199	267366	198	270074	109	270154/500	108	270797/10	114
263400	128	263886	202	267102	199	267368	198	270074/500	109	270156	108	270798	113
263402	128	263888	202	267104	199	267372	198	270076	109	270156/500	108	270798/5	114
263404	128	263890	202	267106	199	267374	198	270077	109	270158	108	270799	113
263410	129	263892	202	267108	199	267376	198	270078	109	270158/500	108	270799/5	114
263412	129	263894	202	267110	199	267378	198	270078/500	109	270159	108	270800	110
263413	129	263896	202	267112	199	267380	198	270079	109	270159/500	108	270800/25	114
263414	129	263898	202	267114	199	267382	198	270079/500	109	270160	108	270801	110
263415	129	263900	202	267116	199	267384	198	270080	109	270160/500	108	270802	110
263416	129	263902	202	267118	199	267386	198	270082	109	270164	108	270803	110
263417	129	263904	202	267120	199	267388	198	270082/500	109	270164/500	108	270803/25	114
263418	129	263906	202	267132	197	267392	198	270084	109	270166	108	270804	110
263422	129	263908	202	267134	197	267394	198	270084/500	109	270166/500	108	270804/25	114
263424	129	263910	202	267136	197	267396	198	270086	109	270168	108	270805	110
263426	129	263912	202	267138	197	267398	198	270086/500	109	270168/500	108	270806	110
263440	129	263914	202	267140	197	267400	198	270087	109	270170	108	270807	110
263442	129	263916	202	267142	197	267402	198	270088	109	270172	108	270808	110
263443	129	263918	202	267144	197	267404	198	270089	109	270174	108	270808/25	114
263444	129	263920	202	267146	197	267406	198	270089/500	109	270176	108	270809	110
263446	130	263930	203	267200	196	267408	198	270090	109	270178	108	270810	110
263448	130	263940	203	267202	196	267430	198	270090/500	109	270180	108	270810/25	114
263449	130	265013	106	267204	196	267432	198	270091	109	270182	108	270811	110
263450	130	265014	106	267206	196	267434	198	270091/500	109	270184	108	270812	110
263451	129	265015	106	267250	198	267436	198	270092	109	270186	108	270813	110
263452	129	265016	106	267252	198	267438	198	270092/500	109	270188	108	270814	110
263453	129	265017	106	267254	198	267440	198	270093	109	270190	108	270814/25	114
263456	129	265033	106	267256	198	267442	198	270093/500	109	270192	108	270815	110
263510	129	265034	106	267258	198	267444	198	270094	109	270194	108	270816	110
263512	129	265035	106	267260	198	267446	198	270096	109	270195	108	270818	110
263514	129	265036	106	267262	198	267448	198	270097	109	270196	108	270818/10	114
263516	129	267000	197	267264	198	267450	198	270098	109	270198	108	270820	110
263518	129	267002	197	267266	198	267452	198	270100	109	270217	115	270822	110
263520	129	267004	197	267268	198	267460	200	270102	109	270218	115	270822/10	114
263800	202	267006	197	267272	198	267462	200	270104	109	270714	112	270824	110
263802	202	267008	197	267274	198	267464	200	270106	109	270715	112	270826	110
263804	202	267010	197	267276	198	267466	200	270107	109	270716	112	270826/10	114
263806	202	267012	197	267278	198	267468	200	270108	109	270719	112	270828	110
263808	202	267014	197	267280	198	267470	200	270110	109	270720	112	270830	110
263810	202	267016	197	267282	198	267472	200	270112	109	270721	112	270830/5	114
263812	202	267018	197	267284	198	267500	200	270114	109	270722	112	270832	110
263814	202	267020	197	267286	198	267502	200	270116	109	270723	112	270834	110
263816	202	267022	197	267288	198	267506	200	270118	109	270724	112	270836	110
263818	202	267024	197	267292	198	267508	200	270119	109	270725	112	270836/5	114
263820	202	267026	197	267294	198	267510	200	270120	109	270726	112	270838	110
263822	202	267028	197	267296	198	267512	200	270121	109	270727	112	270840	110
263824	202	267030	197	267298	198	267514	200	270122	109	270728	112	270842	110
263826	202	267032	197	267300	198	270014	112	270123	109	270738	112	270844	110
263828	202	267034	197	267302	198	270015	112	270124	109	270740	112	270850	115
263830	202	267036	197	267304	198	270016	112	270126	109	270742	112	270852	115
263832	202	267038	197	267306	198	270021	112	270128	109	270744	112	270854	115
263834	202	267040	197	267308	198	270022	112	270130	109	270746	112	270856	115
263836	202	267042	197	267312	198	270027	112	270131	109	270748	112	270858	115
263838	202	267044	197	267314	198	270028	112	270132	109	270750	112	270864	116
263840	202	267046	197	267316	198	270029	112	270134	109	270754	112	270866	116
263842	202	267048	197	267318	198	270030	112	270135	109	270756	112	270870	115
263844	202	267050	197	267320	198	270031	112	270136	109	270758	112	270882	117
263846	202	267052	197	267322	198	270032	112	270137	109	270760	112	270882/DIN	117
263848	202	267054	197	267324	198	270033	112	270140	108	270762	112	270888	116
263850	202	267056	197	267326	198	270034	112	270140/500	108	270778	113	270890	116

Index

Art. no.	page
270891	116
270892	116
270893	116
270894	117
270895	117
270896	117
270897	117
270899	117
270900	113
270902	113
270904	113
270906	113
270908	113
270910	113
270912	113
270914	113
272250	111
272254	111
272260	111
272264	111
272268	111
272280	111
272284	111
272290	111
272294	111
272298	111
272721	112
272723	112
272725	112
272803	110
272804	110
272812	110
273350	114
273352	114
273354	114
273356	114
273358	114
273360	114
273362	114
273364	114
273366	114
273368	114
273392	114
273394	114
273396	114
280000	140
280000/20	144
280004	140
280004/20	144
280008	140
280008/20	144
280012	140
280016	140
280020	140
280030	140
280034	140
280038	140
280042	140
280046	140
280050	140
280060	140
280064	140
280070	140
280074	140
280080	141
280084	141
280084/20	144
280090	141
280094	141
280100	141
280100/20	144
280101	142
280104	141
280104/20	144
280105	142
280110	141
280111	142
280114	141
280115	142
280120	142
280124	142
280128	142
280132	142
280136	142
280140	142
280150	142
280154	142
280158	142
280162	142
280166	142
280170	142
280180	143
280182	143
280184	143
280186	143
280188	143
280190	143
280192	143
280194	143
280196	143
280198	143
280200	143
280202	143
280204	143
280206	143
280208	143
280210	143
280212	143
280214	143
280460	143
280482	143
280490	143
280512	143
280520	143
280542	143
280550	143
280572	143
280580	143
280582	143
290001	159
290003	159
290004	154
290005	159
290006	154
290006/90	155
290007	159
290008	154
290008/90	155
290009	154
290010	154
290010/90	155
290011	159
290012	154
290013	159
290014	154
290014/90	155
290015	159
290016	154
290016/90	155
290017	154
290018	154
290018/90	155
290019	159
290020	154
290020/90	155
290021	159
290022	154
290022/90	155
290023	154
290024	154
290024/90	155
290025	159
290026	154
290027	159
290028	154
290028/90	155
290029	154
290030	154
290030/90	155
290031	159
290033	159
290034	154
290035	159
290036	154
290037	159
290038	154
290039	159
290040	154
290041	154
290042	159
290043	154
290044	159
290045	154
290046	154
290047	154
290048	154
290049	159
290050	159
290051	159
290052	159
290053	159
290054	159
290055	159
290056	159
290057	159
290058	159
290059	159
290060	159
290061	159
290063	159
290064	159
290065	159
290066	159
290067	159
290068	159
290069	159
290070	159
290071	159
290072	159
290073	159
290074	159
290075	159
290076	159
290077	159
290078	159
290079	159
290080	159
290081	159
290082	159
290083	159
290084	159
290250	158
290252	158
290254	158
290256	158
290258	158
290260	158
290262	158
290264	158
290266	158
290268	158
290270	158
290272	158
290276	158
290278	158
290280	158
290282	158
290284	158
290286	158
290288	158
290290	158
290292	158
290294	158
290296	158
290300	158
290302	158
290304	158
290306	158
290308	158
290310	158
290316	158
290318	158
290320	158
290322	158
290324	158
290326	158
290328	158
290330	158
290332	158
290334	158
290336	158
290338	158
290350	158
290352	158
290354	158
290356	158
290358	158
290360	158
290362	158
290364	158
290366	158
290368	158
290370	158
290372	158
290374	158
290380	171
290382	171
290404	161
290404/10	162
290406	161
290406/10	162
290408	161
290410	161
290410/10	162
290412	161
290412/10	162
290414	161
290416	161
290416/10	162
290418	161
290418/10	162
290420	161
290420/10	162
290422	161
290424	161
290426	161
290426/10	162
290428	161
290428/10	162
290430	161
290432	161
290434	161
290434/10	162
290436	161
290436/10	162
290438	161
290440	161
290442	161
290444	161
290446	161
290448	161
290450	161
290452	161
290454	161
290456	161
290458	161
290460	161
290462	161
290464	161
290466	161
290468	161
290470	161
290472	161
290474	161
290476	161
290478	161
290480	161
290482	161
290484	161
290486	161
290488	161
290490	161
290492	161
290494	161
290496	161
290498	161
290516	161
290518	161
290520	161
290522	161
290561	162
290562	162
290563	162
290564	162
290565	162
290566	162
290567	162
290568	162
290569	162
290570	162
290571	162
290572	162
290617	147
290619	147
290620	147
290621	147
290622	147
290623	147
290624	147
290625	147
290626	147
290627	147
290628	147
290630	147
290632	147
290634	147
290635	147
290636	147
290637	147
290646	147
290648	147
290650	147
290652	147
290654	147
290656	147
290658	147
290660	147
290662	147
290663	147
290664	147
290666	147
290668	147
290670	147
290672	147
290676	147
290678	147
290680	147
290682	147
290684	147
290686	147
290688	147
290690	147
290692	147
290694	147
290696	147
290698	147
290700	147
290701	147
290702	147
290704	147
290707	147
290708	147
290710	147
290712	147
290713	147
290714	147
290716	147
290717	147
290718	147
290719	147
290720	147
290721	147
290730	149
290731	149
290732	149
290734	149
290735	149
290736	149
290738	149
290739	149
290740	149
290742	149
290744	149
290746	149
290748	149
290750	149
290751	149
290752	149
290754	149
290756	149
290770	149
290771	149
290773	149
290775	149
290776	149
290777	149
290778	149
290780	149
290782	149
290784	149
290786	149
290788	149
290800	157
290801	157
290802	157
290804	157
290806	157
290810	157
290812	157
290814	157
290816	157
290818	157
290820	157
290822	157
290824	157
290826	157
290830	157
290832	157
290834	157
290836	157
290840	157
290842	157
290844	157
290846	157
290848	157
290850	157
290852	157
290854	157
290856	157
290858	157
290860	157
290862	157
290864	157
290866	157
290868	157
290870	157
290872	157
290874	157
290876	157
290878	157
290880	157
290882	157
290884	157
290886	157
290900	153
290902	153
290904	153
290906	153
290908	153
290910	153
290912	153
290914	153
290916	153
290918	153
290920	153
290922	153
290924	153
290926	153
290928	153
290930	153
290932	153
290932/90	154
290934	153
290934/90	154
290936	153
290936/90	154
290938	153
290938/90	154
290940	153
290940/90	154
290942	153
290942/90	154
290944	153
290944/90	154
290946	153
290948	153
290948/90	154
290950	153
290950/90	154
290952	153
290952/90	154
290954	153
290954/90	154
290956	153
290956/90	154
290958	153
290958/90	154
290960	153
290960/90	154
290962	153
290962/90	154
290964	153
290964/90	154
290966	153
290966/90	155
290968	153
290968/90	155
290970	153
290970/90	155
290972	153
290972/90	155
290974	153

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
290976	153	291336	156	291730	163	292910	166	293636	168	294124	151	294588	165
290976/90	155	291338	156	291732	163	292912	166	293638	168	294128	151	294590	165
290978	153	291340	156	291734	163	292914	166	293652	168	294130	151	294592	165
290978/90	155	291342	156	291736	163	292916	166	293654	168	294132	151	294594	165
290980	153	291344	156	291738	163	292918	166	293656	168	294134	151	294596	165
290980/90	155	291348	156	291740	163	292920	166	293664	168	294138	151	294598	165
290982	153	291350	156	291742	163	292922	166	293666	168	294140	151	300033	48
290982/90	155	291352	156	291744	163	292924	166	293678	168	294142	151	300102	311
290984	153	291354	156	291746	163	292926	166	293680	168	294144	151	300115	311
290985	153	291356	156	291748	163	292928	166	293688	168	294150	152	300116	411
290986	153	291358	156	291750	163	292930	166	293690	168	294152	152	300117	312
290986/90	155	291360	156	291752	163	292932	166	293810	168	294154	152	300228	252
290988	153	291440	160	291754	163	292934	166	293812	168	294160	152	300229	252
290988/90	155	291442	160	291756	163	292936	166	293814	168	294162	152	300294/EN	239
290990	153	291444	160	291758	163	292938	166	293816	168	294164	152	300295/EN	239
290990/90	155	291446	160	291760	163	292940	166	293960	167	294174	152	300296/EN	235
290991	153	291448	160	291762	163	292942	166	293962	167	294176	152	300297/EN	239
290992	153	291450	160	291764	163	292944	166	293964	167	294184	152	300298/EN	235
290992/90	155	291452	160	291766	163	292946	166	293966	167	294196	152	300299/EN	235
290994	153	291454	160	291768	163	292948	166	293968	167	294200	152	300302/EN	235
290994/90	155	291456	160	291770	163	292950	166	293970	167	294202	152	300303/EN	239
290996	153	291458	160	291772	163	293130	170	293972	167	294204	152	300305/EN	235
290996/90	155	291460	160	291774	163	293132	170	293974	167	294206	152	300306/EN	239
290998	153	291462	160	291776	163	293134	170	293976	167	294208	152	300310/EN	234
290998/90	155	291464	160	291778	163	293136	170	293978	167	294210	152	300312/EN	238
290999	153	291520	160	291780	163	293138	170	294000	151	294212	152	300322	26
291000	153	291521	163	291782	163	293140	170	294002	151	294214	152	300420	252
291000/90	155	291522	160	292560	164	293142	170	294004	151	294218	152	340256	131
291002	153	291523	163	292562	164	293144	170	294006	151	294220	152	340258	131
291002/90	155	291524	160	292564	164	293146	170	294008	151	294222	152	340270	131
291004/90	155	291525	163	292566	164	293148	170	294010	151	294224	152	340272	131
291050	155	291526	160	292568	164	293150	170	294012	151	294226	152	340274	131
291052	155	291527	163	292570	164	293152	170	294014	151	294228	152	340288	131
291054	155	291528	160	292572	164	293154	170	294016	151	294230	152	340290	131
291056	155	291529	163	292574	164	293156	170	294018	151	294232	152	340304	131
291058	155	291530	160	292580	164	293300	167	294020	151	294234	152	340314	131
291060	155	291531	163	292582	164	293302	167	294022	151	294500	165	340322	131
291062	155	291532	160	292584	164	293304	167	294024	151	294502	165	340350	131
291064	155	291533	163	292586	164	293306	167	294026	151	294504	165	340352	131
291066	155	291534	160	292588	164	293308	167	294028	151	294506	165	340354	131
291068	155	291535	163	292590	164	293310	167	294034	151	294508	165	340392	131
291070	155	291536	160	292592	164	293312	167	294036	151	294510	165	340394	131
291072	155	291537	163	292596	164	293314	167	294038	151	294512	165	340396	131
291074	155	291538	160	292598	164	293316	167	294040	151	294514	165	340414	132
291076	155	291539	163	292600	164	293318	167	294044	151	294516	165	340416	132
291078	155	291540	160	292770	166	293320	167	294046	151	294518	165	340422	132
291080	155	291541	163	292772	166	293322	167	294048	151	294520	165	340424	132
291082	155	291542	160	292774	166	293324	167	294050	151	294522	165	340426	132
291084	155	291543	163	292776	166	293326	167	294052	151	294524	165	363500	135
291090	150	291544	160	292778	166	293328	167	294054	151	294526	165	363500/10	136
291092	150	291545	163	292780	166	293330	167	294056	151	294528	165	363502	135
291096	150	291546	160	292782	166	293332	167	294058	151	294530	165	363502/10	136
291098	150	291547	163	292784	166	293334	167	294060	151	294532	165	363504	135
291100	150	291548	160	292786	166	293336	167	294062	151	294534	165	363504/5	136
291102	150	291549	163	292788	166	293338	167	294064	151	294536	165	363510	135
291104	150	291550	160	292790	166	293542	167	294066	151	294538	165	363512	135
291106	150	291551	163	292792	166	293544	167	294068	151	294540	165	363514	135
291108	150	291552	160	292794	166	293546	167	294070	151	294542	165	363520	135
291110	150	291553	163	292796	166	293548	167	294080	151	294544	165	363522	135
291112	150	291554	160	292798	166	293550	167	294082	151	294546	165	363524	135
291114	150	291555	163	292800	166	293552	167	294084	151	294548	165	363530	136
291119	150	291700	163	292802	166	293554	167	294086	151	294550	165	363532	136
291120	150	291702	163	292804	166	293556	167	294088	151	294552	165	363534	136
291124	150	291704	163	292806	166	293558	167	294094	151	294554	165	363536	136
291126	150	291706	163	292808	166	293578	168	294096	151	294556	165	363538	136
291128	150	291708	163	292810	166	293582	168	294098	151	294558	165	363540	136
291130	150	291710	163	292812	166	293584	168	294100	151	294560	165	363542	136
291132	150	291712	163	292814	166	293598	168	294102	151	294562	165	363544	136
291134	150	291714	163	292816	166	293600	168	294106	151	294564	165	363546	136
291136	150	291716	163	292818	166	293606	168	294108	151	294566	165	363548	136
291138	150	291718	163	292820	166	293608	168	294110	151	294568	165	363550	136
291140	150	291720	163	292822	166	293610	168	294112	151	294570	165	363552	136
291142	150	291722	163	292824	166	293622	168	294114	151	294580	165	363554	136
291330	156	291724	163	292904	166	293624	168	294118	151	294582	165	363556	136
291332	156	291726	163	292906	166	293626	168	294120	151	294584	165	363558	136
291334	156	291728	163	292908	166	293634	168	294122	151	294586	165	363600	136

Index

Art. no.	page
363602	136
363604	136
363606	136
363607	136
363608	136
370256	133
370258	133
370270	133
370272	133
370274	133
370288	133
370290	133
370304	133
370314	133
370322	133
370350	133
370352	133
370354	133
370392	133
370394	133
370396	133
370414	134
370416	134
370422	134
370424	134
370426	134
392010	339
392012	339
392014	339
392016	339
392018	339
392020	339
392022	340
392024	339
392026	339
392028	339
392050	338
392052	338
392054	338
392056	338
392058	338
392060	338
392062	338
392064	338
392066	338
392070	338
392072	338
392100	337
392102	337
392104	337
392106	337
392108	337
392110	337
392112	337
392114	337
392116	337
392118	337
392120	337
392122	337
392124	337
392800	316
392802	317
392804	315
392806	316
392810	317
393000	310
393002	310
393004	310
393006	310
393008	310
393010	310
393012	310
393014	203
393016	203
393018	311
393020	311
393022	311
393024	311
393026	311
393028	312
393030	312
393032	311
393034	310
393036	310
393038	310
393040	310
393104	250
393106	252
393107	313
393150	314
393152	314
393154	314
393156	314
790005	346
790006	346
790008	346
790015	346
790016	346
790017	346
790018	346
790027	346
790029	346
790030	346
790031	346
790040	346
790041	346
790043	346
790051	346
790053	346
790054	346
790055	346
790056	346
790063	346
790064	346
790065	346
790079	346
790090	346
790091	346
790093	346
790100	346
790101	346
790102	346
790103	346
790104	346
790111	346
790112	346
790113	346
790118	346
790120	346
790121	346
790210	346
790211	346
790212	346
790212/V	346
790222	346
790223	346
790223/V	346
790224	346
790224/V	346
790225	346
790235	346
790235/V	346
790236	346
790237	346
790303	347
790311	347
790325	347
790326	347
790327	347
790329	347
790332	347
790333	347
790334	347
790335	347
790411	347
790413	347
790416	347
790417	347
790419	347
790422	347
790423	347
790424	347
790426	347
790428	347
790432	347
790433	347
790434	347
790436	347
790450	347
790452	347
790454	347
790456	347
790470	347
790500	347
790502	347
790504	347
790510	347
790512	347
790514	347
790516	347
790540	347
790542	347
790544	347
790562	347
790564	347
790566	347
790588	347
790592	347
790616	347
790618	347
790700	347
790702	347
790704	347
790706	347
790710	347
790712	347
790714	347
790716	347
790721	347
790722	347
790724	347
790726	347
790806	347
790808	347
790832	347
790834	347
790837	347
790862	347
790864	347
790867	347
790882	347
790884	347
790888	347
790900	346
790902	346
790920	346
790922	346
792000	348
792001	348
792002	348
792003	348
792005	348
792006	348
792008	348
792600	348
792602	348
792603	348
792604	348
792606	348
792607	348
792650	348
792651	348
792652	348
792654	348
792656	348
792658	348
792756	348
792758	348
792760	348
792762	348
792802	348
792804	348
792806	349
792810	349
792816	349
792821	349
793005	346
793006	346
793007	346
793008	346
793027	346
793029	346
793030	346
793031	346
793040	346
793041	346
793043	346
793051	346
793053	346
793054	346
793055	346
793064	346
793065	346
793099	346
793100	346
793101	346
793102	346
793103	346
793104	346
793111	346
793112	346
793113	346
793118	346
793120	346
793121	346
793125	346
794002	351
794004	351
794012	351
794014	351
794016	351
794018	351
794020	351
794022	351
794024	351
794026	351
794028	351
794030	351
794040	351
794050	352
794052	352
794060	352
794062	352
794070	352

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
mm²	diameter in mm²
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 93-63-82-111
Fax: +34 93-66-21-686
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 (495) 133-62-24
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

Serbia
iCON by HAUPA d.o.o.
Miše Dimitrijevića 44
21000 Novi Sad
GSM: +381 21 300-2937
E-Mail: info@iconbyhaupa.rs

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

Martin Hellmund
IV Krause GmbH
Schneeberger Straße 17
12627 Berlin
E-Mail: info@iv-krause.de
Web: www.iv-krause.de
Tel.: +49(30) 56 230 34
Fax: +49(30)56 385 49
Berlin/Brandenburg

Christian Binz
Technischer Berater im Außendienst
Königstraße 165-169
D-42853 Remscheid
Phone: +49 (0) 2191 8418 210
Fax: +49 (0) 2191 8418 840
Mobil: +49 (0) 173 76 28 445
E-Mail: christian.binz@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

Schaum Industrievertretung GmbH
Rheinstraße 8
35625 Hüttenberg
Phone: 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, Salzburg

Roman Zimmermann
M. Schurrer & Co. GmbH
Franz-Bilko-Gasse 7F
2352 Gumpoldskirchen
Phone: 0664/260 78 78
E-Mail: roman.zimmermann@schurrer.at
Bugenland, Kärnten, Niederösterreich, Wien, Steiermark

Commercial sales staff, Spain

HAUPA Iberica Central
Phone: +34 93-63-82-111
Fax: +34 93-66-21-686
E-Mail: comercial@haupa.es

Rubén Mestanza Portales
Phone: +34 93-63-82-111
Fax: +34 93-66-21-686
E-Mail: ruben.mestanza@haupa.com
Zona: **Segovia, Avila, Soria y Teruel**

Red Levante
E-Mail: redlevante@redlevante.com
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
Mobil: 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: angellopezrepresenta@gmail.com
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: cromwellantonella@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
Rubén Serrano
Movil: 678-641-391
E-Mail: ruben.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: jpf_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

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

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
Direct support by HAUPA Main Office/
Export Dept. Mr. Marc Wolter
Phone: +49 2191 8418-0
Fax: +49 2191 8418-840
E-Mail: marc.wolter@haupa.com
www.haupa.com

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 8418-840
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. Mr. Dirk Obermann
Phone: +49 2191 8418-0
Fax: +49 2191 8418-840
E-Mail: dirk.obermann@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

Great Britain
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
Tzela Ha-Har-7
IL 7178558 Modi´in
Phone: 00972 732020000
Fax: 00972 732020001
E-Mail: info@erco.co.il / www.erco.co.il

Italy
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

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
KloeMeCom, S.A. de C.V.
Carretera a San Bernardino Chalchihuapan #7-A
San Pablo Ahuatempan, Santa Isabel, Cholula
Puebla. C.P.74355, Mexico
Tel.: 0052 222 2832345
Fax: 0052 222 2832348
E-Mail: ldominguez@ekommexico.com
www.kloeme.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
Tel.: +47 92 43 12 00
E-Mail: post@vix.no

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

Portugal
SIGNIVOLTAGE
Rua Poeta Bocage, 2 - 3°H,
1600-233 LISBOA,
Tel. +351 218 160 240
E-mail: alberto.cardoso@haupa.com

Foreign representatives

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 (495) 133-62-24
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.
Miše Dimitrijevića 44
21000 Novi Sad
GSM: +381 21 300-2937
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 2ºA
08302 Mataró
Phone: +34 93-63-82-111
Fax: +34 93-66-21-686
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,
Nicaraqua, 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 | Quality tools and connection technology for the electrical trade and the electrical industry.

HAUPA stands for hand tools of the highest quality and safety for the electrical engineer. With our products, we always pay attention to the HAUPAplus; the special advantage for our customers. Our passion is to build a good, reliable and safe tool, which the user will enjoy for a long time.

Trust for over 60 years

Hans-Udo Paas founded HAUPA in 1961 in Remscheid, the heart of the tool industry. Over the nearly 60-year history of the company, our medium-sized, value-oriented family business has developed into a globally active company. The recipe for success and our stable growth is the combination of tradition, experience, expertise and innovation. It is our constant endeavour to develop products of the highest precision, which offer the electrical engineer added value

QUALITY and SAFETY are hugely important to us!

Our product portfolio includes high-quality system tools and certified cable connection technology for the electrical trade and the electrical industry. In addition, we produce and market a wide range of basic tools for professional use in electrical engineering. The high quality of the products is the top priority at HAUPA. To ensure this, we canstantly carry out quality checks in-house.

In recent years, our range has been expanded many times over. In order to be able to serve and satisfy our customers beyond electrical engineering, we are always busy adding new tools and accessories to our portfolio. This allows us to provide a central point of contact in the most diverse fields of the electrical trade.

Logistics and shipping

Thanks to our modern warehouse in Remscheid, we always have a large proportion of our products in stock. Our experienced logistics team strives to ensure that our goods usually make their way to the customer on the day of the order. Customer satisfaction, your trust and on-time delivery are our most important goals!

Competent contact person

We personally take care of the questions and problems of our customers. When you get in touch with us, you can be sure that we will help you. Our on-site employees are professionals in the field, and some have worked as electrical engineers themselves, making them the perfect contact person for you.
If you are not sure which materials you can process with which tool, we would be delighted to help - and answer all other questions, too!

haupa.com

HAUPA.RS

haupa_official

HAUPAdemo

brinko.de

BRINKO.RS

brinko_gmbh

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 W119133

DIN EN ISO 9001 ZERTIFIKAT

HAUPA-Gruppe
www.haupa.com

PEFC™
PEFC/04-31-0810

haupa®
... convincing solutions