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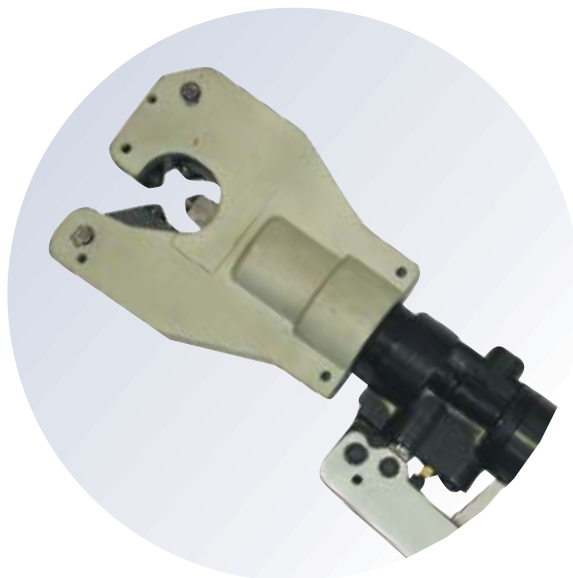
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## Product news

### New HAUPA hydraulic cutting tool

light and compact construction, universal tool to crimp copper terminals and connectore, no change of dies needed, mandrel shape crimping

**More information on page 46**



### New HAUPA Tool Bags

- waterproof and dirt resistant
- cross-over joint for high toughness
- detachable, adjustable shoulder belt
- compartments
- material: extra strong 600D polyester
- colour: green, black

**More information on page 169/170**

### 4 new socket sets

tool made of chrome vanadium steel, industrial quality, GS appr., in black plastic case

- populated with 1/2" and 1/4"
- sets with 25 up to 55 parts

**More information on page 145**



crimp . . . . . crimp range in mm <sup>2</sup>	length . . . . . in mm
cross section . . in mm <sup>2</sup>	lob . . . . . length of blade in mm
height . . . . . in mm	PU . . . . . packing unit in pieces

SM . . . . . sectorshape multywiring (mm <sup>2</sup> )	tot. length . . . total length in mm
SS . . . . . sectorshape singlewiring (mm <sup>2</sup> )	weight . . . . . in gr.
th . . . . . thickness in mm	width . . . . . in mm

## Cutting

Cable cutters  
Hydraulic cutting tools



**Cutting pistol**

for material of PCV and rubber, blade interchangeable, knife returns with knob-pressure



Art. No.	Ø	weight	PU
20 02 10	up to 35	550	1

**Kevlar cutters**

To cut Kevlar fibre on optical fibre cables, special cutting geometry, riveted joint, special blade coating



Art. No.	length	weight	PU
20 00 65	142	53	6

**Electricians' scissors**

with wire cutter, bright nickel-plated, plain cutting edge, straight, strong insulation



Art. No.	length	weight	PU
20 00 62	130	70	6

**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.	length	weight	PU
20 01 55	140	62	6

crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm

length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

**Electricians' scissors**

with wire cutter, bright nickel-plated, bent cutting edge, angled, strong isolation



Art. No.	Ø	weight	PU
20 00 64	130	70	6

**Electricians' scissors**

with long handle, blunted point, plain cutting edge, strong insulation



Art. No.	length	weight	PU
20 00 66	130	70	6

**Combination snips**

stainless special steel, shock-proof plastic handles, one cutting edge slightly serrated, for cutting of cable, thin plate, wire, leather, cardboard, plastic



Art. No.	length	cable-Ø	weight	PU
20 00 70	140	8	55	6
20 00 72	190	10	120	6

**Super cable cutters**

stainless special steel



Art. No.	length	solid	flex. mm <sup>2</sup>	weight	PU
20 00 84	180	4-5	50	115	6

**Cable cutters**

Cable cutter of carbon-steel, maximum cutting capacity due to special cutting-geometry



Art. No.	length	Ø	solid	flex. mm <sup>2</sup>	weight	PU
20 01 05	215	20	25	70	325	1

SM ..... sectorshape multywiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm

tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm

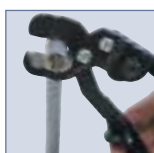
### Cable cutter with a snap

The new cable-shears of HAUPA cuts cables in a non-compromising and forceful manner almost without effort and in a single-hand-operation. A patented twin-stage adjustment mechanism brings the handles of the tool to a position that is perfect for the development of the full force of the hand even while the cutting jaws are wide open. By this means, even cables with large crosssections can be cut in a forceful and fast manner with a single hand without unduly excess labour.

- Laser-cut components made of special carbon steel, oil-hardened
- CNC-ground cutting type, induction hardened for maximum cutting performance
- Screwed joint connections, re-adjustable for longer durability as well as
- an elegant and ergonomic design for optimal handling
- for telephone cable up to 26,1 mm diameter (120 mm<sup>2</sup>)
- for fine wired cable up to 18,9 mm diameter (120 mm<sup>2</sup>)



Dimension of handle without the application of the grip adjustment mechanism



Hand-force optimised through grip adjustment



First cutting phase



Grip adjustment



Second cutting phase

Art. No.	length	Ø	mm <sup>2</sup>	weight	PU
20 10 00	230	up to 18,9	120	480	1

### Cable cutter with a snap

The little brother working exactly as forceful and precise as 20 10 00 for fine wired cable up to 16,9 mm diameter (70 mm<sup>2</sup>)!



Art. No.	length	Ø	mm <sup>2</sup>	weight	PU
20 10 02	180	up to 16,9	70	230	1

### Diagonal cutters DIN 5749

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated, polished head, for soft wire and hard wire, (Standard program)



Art. No.	length	soft	hard	weight	PU
21 00 67	140	4,0	1,8	150	1
21 00 68	160	4,0	2,0	180	1

### Heavy duty diagonal cutters DIN 5749

alloyed carbon steel, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated, polished head, for soft wire and hard wire, (Standard program)



Art. No.	length	soft	hard	weight	PU
21 01 57	180	4,0	2,7	293	1
21 01 58	200	4,2	3,0	310	1

### Cable cutters

made of chrome vanadium, hardened, easier to use through joint spring, automatic release, locking device, for copper- and alu cable



Art. No.	length	Ø	weight	PU
20 00 86	170	up to 10	230	1
20 00 88	230	up to 15	485	1

### Cable cutter

Cable cutter made of chrome vanadium steel, enormous cutting performance, reduced strain, ergonomic handle, additional stripping function in the front section, through a 180° flashover of the shank you can use the tool as a cable stripping knife. Application: for copper- and aluminium cable



Cutting



Cable stripping



Wire stripping

Art. No.	length	Ø	weight	PU
20 10 86	180	up to 10	230	1
20 10 88	240	up to 18	485	1

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**Cable cutters**

for cutting of flat cable, with square for rectangular cutting, housing of high quality steel, cutting blades hardened, surface gun metal finish, cutting surface of fibre glass reinforced plastic;  
Working range: to 80,5 mm width for 64 wires; to 0,5 mm<sup>2</sup> cross-section



Art. No.	length	width	weight	PU
20 00 75	240	up to 80,5	350	1

**Cable cutters**

of special carbon-steel, maximum cutting capacity due to special cutting-geometry, deformation of the cable is impossible



first step



second step

Art. No.	length	cable-Ø	solid	flex. mm <sup>2</sup>	weight	PU
20 01 22	200	20	25	70	310	1

**Cable cutters**

for copper and aluminium cable; steel-tube handles, PCV-covered



Art. No.	length	cable-Ø	Ø	weight	PU
20 00 87	500	27	150	1100	1

**Cable cutters**

Cable cutters, ratchet action type, with spare blade, for copper and alu cable to 32mm Ø



Art. No.	length	cable-Ø	weight	PU
20 00 89	230	32	900	1

**One hand cable cutters**

with switch gear, transmission-rate selectable between 1:25 und 1:50.  
Working range: for copper cable up to 55 mm Ø and cross-section of max. 450 mm<sup>2</sup>



Art. No.	length	cable-Ø	Ø	weight	PU
20 00 78	290	55	450	1000	1

**Cable cutters**

Power transmission 60 point, ratchet action type  
Working range: for copper cable up to 55 mm Ø and cross-section of max. 450 mm<sup>2</sup>



Art. No.	length	cable-Ø	Ø	weight	PU
20 00 79	430	55	450	1200	1

**Cable cutters**

Cable cutter for copper and aluminium cable up to max. 20 mm Ø, cutting performance approx. 125 mm<sup>2</sup>, (Cu-Al), anti-rust cutter made from quenched and drawn Cr-V steel, impact-resistant, coated, hardened handles, crescent-shaped, rounded cutting for a safe and precise cut, extremely stable and light.



Art. No.	length	cable-Ø	Ø	weight	PU
20 00 73	300	20	125	700	1
20 00 95	530	35	180	1400	1
20 00 99	780	50	500	2700	1

**Cable cutters**

for copper cable up to 30 mm Ø and cross section 150 mm<sup>2</sup>, with patented leverage construction and transparent handles



Art. No.	length	cable-Ø	Ø	weight	PU
20 00 96	330	30	150	1050	1





### Cable cutters

with leverage construction, blades of alloyed special steel, forged, replaceable, squeeze-free cutting, deformation of cable impossible  
Working range: for Copper- and Alu-cable 24 mm Ø, cross-section 120 mm<sup>2</sup>  
Replacement cutting head look at Art. No. 20 01 02



Art. No.	length	cable-Ø	Ø	weight	PU
20 00 76	600	24	120	1950	1

### Cable cutters

with leverage construction, blades of alloyed special steel, forged, replaceable, squeeze-free cutting, deformation of cable impossible  
Working range: for Copper- and Alu-cable 40 mm Ø, cross-section 400 mm<sup>2</sup>  
Replacement cutting head look at Art. No. 20 01 04



Art. No.	length	cable-Ø	Ø	weight	PU
20 01 00	980	40	400	4040	1

### Cable cutters

Replacement cutting heads for Art. No. 20 00 76 and 20 01 00



Art. No.	cable-Ø	Ø	weight	PU
20 01 02	24	120	355	1
20 01 04	40	400	630	1
20 01 06	24	120	355	1

# INFO

## Cable cutters

These cable cutters are top-of-range products. They allow a squeeze-free cutting, also of larger cable cross sections without great efforts owing to high technic, like needle bearing transmission gear, special cutting geometry or a high improved eccentric gear. Large scale measurement of the forged toothings and bearing guarantee a long working life and low maintenance.

### Front cable cutters

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

**Copper cable:** 120 mm<sup>2</sup>, multi- and fine wiring, outside – Ø 25 mm

**Alu- cable:** 120 mm<sup>2</sup> multi-wiring, outside – Ø 25 mm



#### Art. No. 20 01 24

Cutting range:	Cu/Al wire multi wiring	120 mm <sup>2</sup>	25 mm Ø
	Cu/Al wire sector format	120 mm <sup>2</sup>	25 mm Ø
	Cu wire fine wiring	120 mm <sup>2</sup>	25 mm Ø
	Cu wire fine wiring or telecommunication cable		25 mm Ø
Dimension:	245 x 100 mm		
Weight:	0,9 kg		

### Front cable cutters

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

**Copper cable:** 185 mm<sup>2</sup>, multi- and fine wiring, outside – Ø 34 mm

**Alu- cable:** 185mm<sup>2</sup> multi-wiring, outside – Ø 34 mm



#### Art. No. 20 01 26

Cutting range:	Cu/Al wire multi wiring	185 mm <sup>2</sup>	34 mm Ø
	Cu/Al wire sector format	185 mm <sup>2</sup>	34 mm Ø
	Cu wire fine wiring	240 mm <sup>2</sup>	34 mm Ø
	Cu wire fine wiring or telecommunication cable		34 mm Ø
Dimension:	330 x 135 mm		
Weight:	1,3 kg		

### Front cable cutters

very easy-to-use precision one and two-hand cutter, excellent crush-free cutting quality, even with fine wires, reliable and virtually wear-free eccentric operation, revolving cutter can be unlocked in any position, cutting range to Ø 35 mm.



#### Art. No. 20 01 31

Cutting range:	Cu/Al wire multi wiring	240 mm <sup>2</sup>	35 mm Ø
	Cu/Al wire sector format	240 mm <sup>2</sup>	35 mm Ø
	Cu wire fine wiring	300 mm <sup>2</sup>	35 mm Ø
	Cu wire fine wiring or telecommunication cable		35 mm Ø
Dimension:	330 x 135 mm		
Weight:	1,4 kg		

crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm

length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

### Front cable cutters

Easy-to-use two-hand front cable cutter with patented eccentric operation, excellent crush-free cutting quality even with larger cross sections, revolving cutter can be unlocked in any position, cutting range to Ø 55 mm



#### Art. No. 20 01 51

Cutting range:	Cu/Al wire multi wiring	550 mm <sup>2</sup>	55 mm Ø
	Cu/Al wire sector format	550 mm <sup>2</sup>	55 mm Ø
	Cu wire fine wiring	550 mm <sup>2</sup>	55 mm Ø
	Cu wire fine wiring or telecommunication cable		55 mm Ø
Dimension:	485 x 195 mm		
Weight:	3,0 kg		

### Cable cutters

Cable cutters for the lower using range:  
copper multi-wire 185 mm<sup>2</sup>, outside 34 mm, fine-wire 240 mm<sup>2</sup>



#### Art. No. 20 01 11

Cutting range:	Cu/Al wire multi wiring	185 mm <sup>2</sup>	34 mm Ø
	Cu/Al wire sector format	240 mm <sup>2</sup>	34 mm Ø
	Cu wire fine wiring	240 mm <sup>2</sup>	34 mm Ø
	Cu wire fine wiring or telecommunication cable		34 mm Ø
Dimension:	250 x 105 mm		
Weight:	0,75 kg		

### Cable cutters

needle-bearing action parts, special cutting-geometry, improved eccentric drive, Working range: Cu-multiwiring up to 300 mm<sup>2</sup> Cu-sector shape up to 52 mm Ø, Cu- finewiring up to 400 mm<sup>2</sup>, Al max. 52 mm Ø



#### Art. No. 20 01 12

Cutting range:	Cu/Al wire multi wiring	400 mm <sup>2</sup>	52 mm Ø
	Cu/Al wire sector format	400 mm <sup>2</sup>	52 mm Ø
	Cu wire fine wiring	450 mm <sup>2</sup>	52 mm Ø
	Cu wire fine wiring or telecommunication cable		52 mm Ø
Dimension:	320 x 140 mm		
Weight:	1,0 kg		

SM ..... sectorshape multiwiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm

tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm



## Cable cutters

for copper and aluminium cable, needle-bearing action parts, special cutting-geometry, improved eccentric drive, Cu-multiwiring up to 240 mm<sup>2</sup>, Cu-sector shape up to 35 mm, Al-multiwiring up to 300 mm<sup>2</sup>, Al-sector shape up to 35 mm



### Art. No. 20 01 13

Cutting range:	Cu/Al wire multi wiring	240 mm <sup>2</sup>	35 mm Ø
	Cu/Al wire sector format	240 mm <sup>2</sup>	35 mm Ø
	Cu wire fine wiring	300 mm <sup>2</sup>	35 mm Ø
	Cu wire fine wiring or telecommunication cable		35 mm Ø
Dimension:	250 x 110 mm		
Weight:	0,9 kg		

## Cable cutters

This cable cutter can be used as one hand cutter as well as two hand cutter for cables over 240 mm<sup>2</sup> for copper and aluminium cable, Cu-multiwiring up to 400 mm<sup>2</sup>, Cu-sector shape up to 52 mm, Al-multiwiring up to 400 mm<sup>2</sup>, Al-sector shape up to 52 mm



### Art. No. 20 01 14

Cutting range:	Cu/Al wire multi wiring	400 mm <sup>2</sup>	52 mm Ø
	Cu/Al wire sector format	480 mm <sup>2</sup>	52 mm Ø
	Cu wire fine wiring	500 mm <sup>2</sup>	52 mm Ø
	Cu wire fine wiring or telecommunication cable		52 mm Ø
Dimension:	325 x 145 mm		
Weight:	1,2 kg		

## Mechanic cable cutters

Cutting range copper and aluminium cable up to 62 mm Ø max. cross section 840 mm<sup>2</sup>, optimized cutting by eccentric drive system. The needle bearing action will take a high effect on the working action. Not suitable for steel wire.



### Art. No. 20 01 15

Cutting range:	Cu/Al wire multi wiring	750 mm <sup>2</sup>	62 mm Ø
	Cu/Al wire sector format	750 mm <sup>2</sup>	62 mm Ø
	Cu wire fine wiring	750 mm <sup>2</sup>	62 mm Ø
	Cu wire fine wiring or telecommunication cable		62 mm Ø
Dimension:	410 x 160 mm		
Weight:	2,0 kg		

## Special cable cutters

for computer- and telephone cable up to 75 mm Ø, high cutting performance because of special cutting blade design. Easy to use because of needle bearing mechanic, not suitable for steel wire and heavy wire conductors of power cable



### Art. No. 20 01 16

Cutting range:	Cu wire fine wiring	300 mm <sup>2</sup>	75 mm Ø
	Cu wire fine wiring or telecommunication cable		75 mm Ø
Dimension:	370 x 175 mm		
Weight:	1,5 kg		

## Hand cable cutters

for copper and aluminium cable up to 52 mm Ø



### Art. No. 20 01 17

Cutting range:	Cu/Al wire multi wiring	400 mm <sup>2</sup>	52 mm Ø
	Cu/Al wire sector format	400 mm <sup>2</sup>	52 mm Ø
	Cu wire fine wiring	400 mm <sup>2</sup>	52 mm Ø
	Cu wire fine wiring or telecommunication cable		52 mm Ø
Dimension:	280 x 120 mm		
Weight:	0,73 kg		

## Special cable cutters

Cu-multiwiring up to 1000 mm<sup>2</sup>, Cu-sector shape up to 80 mm outside-Ø, CU fine wiring up to 1000 mm<sup>2</sup>, Alu up to max. 80 mm outside-Ø, **also suitable for cables with steel sheet jacket and soft steel wire reinforcement, ST 52** with cog cleaning device, integrated in handle



### Art. No. 20 01 19

Cutting range:	Cu/Al wire multi wiring	1000 mm <sup>2</sup>	80 mm Ø
	Cu/Al wire sector format	1000 mm <sup>2</sup>	80 mm Ø
	Cu wire fine wiring	1000 mm <sup>2</sup>	80 mm Ø
	Cu wire fine wiring or telecommunication cable	1000 mm <sup>2</sup>	80 mm Ø
Dimension:	610 x 190 mm		
Weight:	3,0 kg		

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**...Technology that connects**

## Hydraulic cutter

guillotine type cutter, adjustable 180° headstock, with carrying bag



Art. No.	length	Ø	weight	PU
21 64 00	380	max. 20	2800	1

## Hydraulic cutter

guillotine type cutter, adjustable 180° headstock, with carrying bag



Art. No.	length	Ø	weight	PU
21 64 02	580	max. 40	5300	1

## Hydraulic cutter

guillotine type cutter, adjustable 180° headstock, with carrying bag



Art. No.	length	Ø	weight	PU
21 64 04	690	max. 85	7000	1

## Hydraulic cable cutter

Cutting head 180°revolvable, manual return, light and compact design, in black plastic case, for aluminium and **steel cable**, max. 1800 N/mm²



Art. No.	length	Ø	weight	PU
21 64 01	385	max. 18	2800	1

## Hydraulic cutting headstock

with quick hydraulic connector and bag, for copper or aluminium cables diameter max. 40 mm

cutting headstock for pump Art. No. 21 63 46 and 21 63 50



Art. No.	w-range	Ø	weight	PU
21 64 06	Cu- and Al-cable	max. 40	1500	1

crimp ..... crimp range in mm²      length ..... in mm  
 cross section ..... in mm²      lob ..... length of blade in mm  
 height ..... in mm      PU ..... packing unit in pieces

## Hydraulic cutting headstock

for copper or aluminium cables diameter max. 85 mm

cutting headstock for pump Art. No. 21 63 46 and 21 63 50



Art. No.	w-range	Ø	weight	PU
21 64 08	Cu- and Al-cable	85	1500	1

## Hydraulic cutting headstock

with quick hydraulic connector and bag, for copper or aluminium cables diameter max. 110 mm

cutting headstock for pump Art. No. 21 63 46 and 21 63 50



Art. No.	w-range	Ø	weight	PU
21 64 10	Cu- and Al-cable	max. 110	1500	1

## Hydraulic cutting headstock

with quick hydraulic connector and bag, for copper or aluminium cables diameter max. 50 mm

cutting headstock for pump Art. No. 21 63 48 and 21 63 52



Art. No.	w-range	Ø	weight	PU
21 64 12	Cu- and Al-cable	max. 50	1500	1

## Hydraulic cutting headstock

with quick hydraulic connector and bag, for copper or aluminium cables diameter max. 100 mm

cutting headstock for pump Art. No. 21 63 48 and 21 63 52



Art. No.	w-range	Ø	weight	PU
21 64 14	Cu- and Al-cable	max. 100	1500	1

SM ..... sectorshape multywiring (mm²)      tot. length ..... total length in mm  
 SS ..... sectorshape singlewiring (mm²)      weight ..... in gr.  
 th ..... thickness in mm      width ..... in mm

### Pneumatic foot pump

automatic valves for two operation speeds, maximum pressure 700 bar, valve releases automatically when the connection is completed, returning of the dies by push button on the upper part of the press, **with 2 meter hose** (length of hose can be changed on request)



Art. No.	working pressure	weight	PU
21 63 46	max. 700 bar	1300	1

### Elektro-hydraulic pump

with 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 use, where a high level of production is needed, 220 volt



Art. No.	working pressure	weight	PU
21 63 50	max. 700 bar	47000	1

### Hydraulic foot pump

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**



Art. No.	length	width	working pressure	weight	PU
21 63 48	680	205	700 bar	1200	1

### Elektro-hydraulic pump

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, 220 volt, with foot switch control, pump in a practical, resistant case for working outside



Art. No.	working pressure	weight	PU
21 63 52	700 bar	41000	1

### Hydraulic high-pressure hose

with steel and quick-socket-connection to **foot pump Art. No. 21 63 48**



Art. No.	length (m)	weight	PU
21 62 38	2	2500	1
21 62 40	3	3000	1
21 62 42	4	5000	1
21 62 44	5	6000	1



## Stripping

Cable strippers, Wire stripping pliers



# INFO

## Cable strippers

For quick and simple stripping of the outer protective sheath.

### Applications:

Work in distribution boards

PCV round cable / moist atmosphere cable / blade for segment and flat cable

NYN 4 - 16 mm<sup>2</sup> - NYN 5 - 16 mm<sup>2</sup> - coaxial and blade round cable

## Cable strippers „Kabifix“

for lengthwise and circular cutting, for sheath splitting and stripping of the following kinds of cable: NYN - 4 - 16 mm<sup>2</sup> - NYN - 5 - 16 mm<sup>2</sup>, coaxial cables and round bell wire, also for cutting of Isoflex and PCV tubes with diameters up to 25 mm Ø



Art. No.	cable-Ø	weight	PU
20 00 22	4 - 16	200	2
20 00 24	spare blades	10	5

## Cable strippers "Kabifix LWL"

for optic fibre from 6 - 25 mm<sup>2</sup>, for round and longitudinal cuts, inner adjusting screw for setting the cutting depth, replaceable blade, handy ergonomic format.



Art. No.	cable-Ø	weight	PU
20 00 23	6 - 25	200	1

## Cable stripping knives

with hook blade for stripping of all kinds of commonly used cable, for splitting sheath and stripping conductors, with automatic change of cutting operation from lengthwise to circular cutting, with slipping free 2 component handle



Art. No.	cable-Ø	weight	PU
20 00 31	8 - 28	100	6

## Cable stripping knives

with hook blade, for splitting sheath and stripping conductors, with automatic change of cutting operation from lengthwise to circular cutting, with slipping free 2 component handle



Art. No.	cable-Ø	weight	PU
20 00 38	4 - 16	90	6
20 00 40	8 - 28	95	6
20 00 42	28 - 35	125	6
20 00 44	35 - 50	135	6
20 00 46	spare blades	2	10

crimp . . . . . crimp range in mm <sup>2</sup>	length . . . . . in mm
cross section . . in mm <sup>2</sup>	lob . . . . . length of blade in mm
height . . . . . in mm	PU . . . . . packing unit in pieces

## Strippers

for damproom cable (NYM) 3 x 1,5 - 5 x 1,5 mm<sup>2</sup>, 8 - 13 mm outside-Ø



Art. No.	cable-Ø	weight	PU
20 00 36	8 - 13	80	6

## Universal strippers

radial cutting and stripping (up to 20 cm) in one go, practical stripping-off conductors 0,2 - 4,0 mm<sup>2</sup>, with insulation device for conductor and strand from 0,2 - 0,3 - 0,8 mm Ø and 1,5 - 2,5 - 4,0 mm<sup>2</sup>



Art. No.	cable-Ø	weight	PU
20 00 43	0,2 - 4,0	50	1

## Flatcable strippers

for fast and precise stripping of flat and oval cable, with stripping device for single wires 0,8 - 1,5 - 2,5 mm<sup>2</sup>



Art. No.	cable-Ø	weight	PU
20 00 37	0,8 - 1,5 - 2,5	80	6

## Strippers „Coaxi“

for coaxial cable, 1 end for outside, 1 end for inside insulation



Art. No.	cable-Ø	weight	PU
20 00 35	4,8 - 7,5	80	6

## Cable stripper for short-circuit proof lines

Special cable stripper to remove insulation/sheath in short-circuit proof lines (NSFGAFÖU). For the first time the integrated stopper and the optimised properties and design of the cutter allow safe and simple cable stripping of difficult insulation - saves time without damaging the wire



Art. No.	cable-Ø	weight	PU
20 06 30	1,5	80	1
20 06 32	2,5/4,0/6,0	80	1
20 06 34	10,0/16,0	80	1

SM . . . . . sectorshape multywiring (mm <sup>2</sup> )	tot. length . . . total length in mm
SS . . . . . sectorshape singlewiring (mm <sup>2</sup> )	weight . . . . . in gr.
th . . . . . thickness in mm	width . . . . . in mm



## PC-Strip

specially constructed for stripping-off computer- and control-cable  
Stripping-off: 5,5 - 15,0 mm Ø, cover of PCV-insulated cable  
Stripping-off: insulation of conductors with 6 - 26 AWG/4,0 - 0,22 mm<sup>2</sup>  
Suitable for computer- and control cable, telecom cable, system datacable as well as others



Art. No.	weight	PU
20 00 39	100	6

## Strippers "Coaxi"

for coaxial cable, RG -58, RG-59/62, RG-6 and 6QS, with 3 interchangeable and adjustable knives, cut-distance 8 and 4 mm



Art. No.	weight	PU
20 00 69	60	1

## Optical fibre stripper

Universal tool, optical fibre cable stripper, 2, 8, 5,0 and 8,0 mm, precision cutter for the actual glass fibre, inner insulation stripper 0,254 mm and 0,32 mm



Art. No.	cable-Ø	weight	PU
20 00 67	2,8/5,0/8,0	120	1

## Strippers for UTP-/STP-data cable

Universal tool for cutting and stripping- off of radial- and flat- cable, shielded and unshielded cables, adjustable cutting depth. Interchangeable blades, for cable from 3,5 to 9 mm Ø



Art. No.	cable-Ø	weight	PU
20 00 68	3,5 - 9	120	1

## Precision stripper PWS Plus

Areas of application: Data processing equipment, control device production, telecommunication, 3 integrated functions:

- precise stripping from AWG 30 (0,25 mm diameter) to AWG 20 (0,8 mm diam.)
- adjustable straight dog up to 15 mm
- wire cutter up to 0,80 mm diameter (CU cable)



Art. No.	cable-Ø	weight	PU
20 00 33	0,25 - 0,80	50	1

## Precision stripper

Light and handy precision stripping tool for removing the sleeve from wires and stranded wires in the areas of electronics, computer technology, telecommunication, model construction, adjustable for 6 different wire diameters, with adjustable length stopper.



Art. No.	w-range	weight	PU
20 06 00	0,12/0,16/0,20/0,25/0,30/0,40	26	1
20 06 02	0,25/0,30/0,40/0,50/0,60/0,80	26	1
20 06 04	0,30/0,40/0,50/0,60/0,80/1,00	26	1

## Precision stripper

Light and handy precision stripping tool to remove the sleeve from optic fibres (wires) in the application areas of electronics and telecommunication, for 0.18 mm diameter.



Art. No.	cable-Ø	weight	PU
20 06 22	0,18	26	1

## Sensor Tool LSA Plus

Standard tool for all data, information and telecommunication cabling with cutting device, hook and blade  
Wire diameter: 0,35 – 0,9 mm  
Strands diameter: 0,7 – 2,6 mm



Art. No.	cable-Ø	weight	PU
30 03 20	0,35 - 0,9	70	1

## Sensor Tool LSA

Standard tool for all data, information and telecommunication cabling with cutting device, hook and blade  
Wire diameter: 0,35 – 0,9 mm  
Strands diameter: 0,7 – 2,6 mm



Art. No.	cable-Ø	weight	PU
30 03 22	0,35 - 0,9	70	1

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# INFO

## Wire strippers

A distinction is made between the following processing tools.

### Manually adjustable cable strippers

Are set manually to the stripping diameter by feel. Because of this there is a high danger of damaging the wire (HAUPA Article no. 210644+210643).

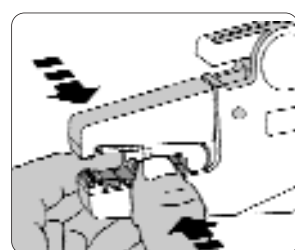
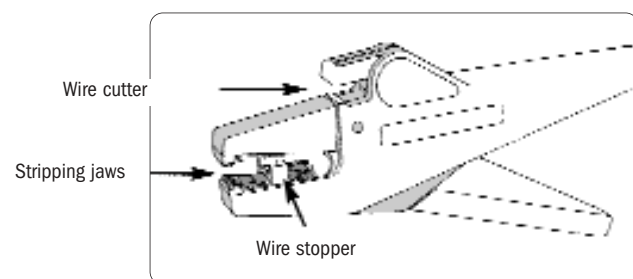
### Automatic or self-adjusting cable strippers

For quick and easy cutting and stripping. These tools adjust themselves automatically to the required cable diameter or insulation thickness. It is not possible to damage the wire or the insulation. A length stopper makes repetitive stripping a simple matter.

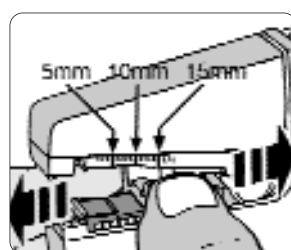
(HAUPA Article no. 211930+210683+ 210690).

### Micro precision cable strippers

These are used where fine wires have to be stripped: Data technology, network technology, control technology, telecommunication, electronics, model construction. (HAUPA Article no. 200033+200069+200039+200068).

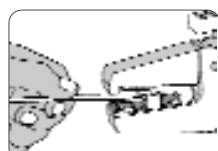


Squeeze wire stopper from both sides

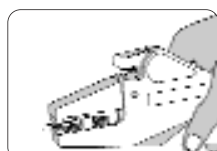


Set the required stripping length

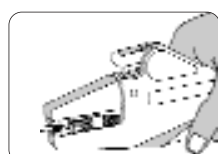
### Set the stripping length



Feed wire to the wire stopper with pliers.



Squeeze pliers handles, pliers close automatically



Stripping slide returns.



Release handles, pliers open automatically.

crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm

length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

### Wire stripping pliers

for stripping of flexible cords and solid copper conductors. Automatic adjustment on the desired cross section. Damage of copper conductor completely eliminated. After stripping the wire stripper immediately returns to working position.



Art. No.	cable-Ø	length	weight	PU
21 06 80	0,2 - 6	170	180	2
21 06 88	spare blades		5	1

### Quadro with magazine

Integration of four functions for precise crimping of connector sleeves from tapes, 0,5 - 2,5 mm Ø

- Insulation stripping: 0,5 - 2,5 mm Ø
- Twisting: 0,5 - 2,5 mm Ø
- Cutting: cables and cords 0,5 - 2,5 mm Ø
- Crimping: 0,5 - 2,5 mm Ø



Art. No.	cable-Ø	length	weight	PU
21 06 82/1	0,5 - 2,5	170	217	1

### Quadro complete set in case

in case



Art. No.	Contents	weight	PU
21 06 82	1 „Quadro“-plier incl. magazine	400	1
	2 spare magazines		
	Box for end sleeve strips		

### Magazine for Quadro

The quick-change connector sleeve magazine helps to speed up work



Art. No.	weight	PU
21 06 82/2	5	1

### Box for end sleeve strips

Box for end sleeve strips, for interchanging the magazine within seconds

Art. No.	weight	PU
21 06 82/3	10	1

SM ..... sectorshape multywiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm

tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm

### Wire stripping pliers DIN 7168

alloyed carbon steel C 45, forged and annealed, cutting edges induction hardened, with 2 component plastic handle with hand protection, chrome plated, polished head (Standard program)



Art. No.	length	mm <sup>2</sup>	weight	PU
21 06 44	160	0,6 - 10	170	1

### Cable stripper, manual

for copper cables, comfortable handles, multi-function tool incl. cable cutter, precise stripping due to formed blades



Art. No.	length	mm <sup>2</sup>	weight	PU
21 06 20	175	0,5/0,75/1,0/1,3/1,5/2,0/2,5	205	1
21 06 22	175	0,5/0,6/0,75/1,0/1,3/1,5	205	1
21 06 24	175	0,25/0,32/0,4/0,5/0,6/0,75	205	1

### Cable stripper, manual optical fibre

Cable stripper for glass fibre cable, adjustable cutting depth, multi-function tool, especially for stripping and cutting wires, especially suitable for cutting back optical fibre (outer jacket and buffer), with handle lock.



Art. No.	length	Ø	weight	PU
20 00 57	150	0,18	185	1

### Cable stripper, automatic

No wire damage, even fine wires are stripped according to standard, replaceable blade made from special steel, robust metal body, a pressure spring returns the pliers to their original position, suitable for fibre optics, rubber and silicon insulated cables



Art. No.	length	Ø	weight	PU
21 06 91	165	0,5 - 2	341	1
21 06 92	165	1 - 4	341	1

### Automatic stripping tongs HAUPA-Special

For fast and precise stripping - even in areas difficult to access. for 0.50 to 6 mm<sup>2</sup> copper wires, easy handling because conductors can be inserted laterally, setting to cross-section not required, integrated side-cutting pliers for copper wires with 2.8 mm maximum diameter, adjustable straight dog

Areas of application:

Electrotechnics industry, electrical engineering, automotive industry



Art. No.	length	Ø	weight	PU
21 06 81	170	0,5 - 4	75	1

### Super wire stripper

Automatic adjustment for conductor diameter, working range: 0,5 bis 4 mm<sup>2</sup>, cutting capacity to 2,0 mm<sup>2</sup>



Art. No.	length	Ø	weight	PU
21 06 83	170	0,5 - 4	75	1

### Wire stripper „High Strip“

suitable for all common stranded and solid conductors from 0,5 - 0,75 - 1,5 - 2,5 - 4 mm<sup>2</sup>, for conductors with hard to strip insulations such as rubber, silicon, PCV, THHN, TWHN, PMMA and lighting wave conductor with PE-cover



Art. No.	Ø	weight	PU
21 06 84	0,5 - 0,75 - 1,5 - 2,5 - 4	100	1

### Wire stripper

for wires up to 6 - 16 mm<sup>2</sup>, automatic adjustment to the cross section



Art. No.	Ø	weight	PU
21 06 85	6 - 16	120	1

### Flat cable pliers

automatic insulation tool for PCV- insulated flat cable up to max. 12 mm, width suitable for flat cable up to 2,50mm<sup>2</sup>, automatic adjustment to the cross section



Art. No.	Ø	weight	PU
21 06 86	0,75 - 2,5	120	1

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**Automatic cable stripper**

for stripping of fine-wiring and solid conductors with PCV-insulation as well as 4-6-8 pole telephone- or computer cables, automatic adjustment to the cross section, cutting capacity up to 6 mm<sup>2</sup>



Art. No.	length	Ø	weight	PU
21 06 90	200	0,03 - 6	180	1

**Automatic cable stripper**

to strip fine wires and solid wires with PCV insulation  
0.08 – 2.5 mm<sup>2</sup>, the maximum adjustable stripping length is 15 mm,  
automatic adjustment to the cross section, cutting capacity up to 6 mm<sup>2</sup>



Art. No.	length	Ø	weight	PU
21 19 28	160	0,08 - 2,5	80	1

**Automatic cable stripper**

Insulation stripping: 0,08 mm<sup>2</sup> (AWG 28) up to 6,0 mm<sup>2</sup> (AWG 10),  
PCV-insulated wire and cable  
Cutting: 6,0 mm<sup>2</sup> (AWG 10) standard, 4,0 mm<sup>2</sup> (AWG 12) copper conductors,  
cutting capacity up to 6 mm<sup>2</sup>



Art. No.	length	Ø	weight	PU
21 19 30	205	0,08 - 6	190	1

## Crimping

Crimping pliers for Terminals, Connectors, Modular plugs,  
Mechanical crimping tools



## INFO

### Crimping pliers for end sleeves

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

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.

### Crimping pliers

for end sleeves from 0,25 - 2,5 mm<sup>2</sup>, dull chrome plated, **cross crimping**



Art. No.	length	crimp	weight	PU
21 08 20	140	0,25 - 2,5	120	1

### Crimping pliers

for end sleeves from 0,75 - 16 mm<sup>2</sup>, dull chrome plated, **cross crimping**



Art. No.	length	crimp	weight	PU
21 08 24	220	0,75 - 16	200	1

### Crimping pliers

for end sleeves from 10 - 35 mm<sup>2</sup>, dull chrome plated, **cross crimping**



Art. No.	length	crimp	weight	PU
21 08 26	225	10 - 35	240	1

### Crimping pliers

light construction, 20% angled handy form, with locking device, with adjustable crimp pressure, **trapezoid crimping**



Art. No.	crimp	weight	PU
21 16 50	0,14 - 2,5	355	1
21 08 41	0,25 - 6	355	1
21 16 52	6 - 16	355	1

### Crimping pliers

heavy construction, with locking device, with adjustable crimp pressure, chrome plated, **trapezoid crimping**



Art. No.	crimp	weight	PU
21 07 63	0,5 - 4	500	1
21 08 42	4 - 10	540	1
21 07 65	6 - 16	500	1
21 16 72	10 - 25	500	1
21 07 68	10 - 35	450	1
21 16 74	25 - 50	600	1

### Crimping pliers for twin end-sleeves

heavy construction, with locking device, with adjustable crimp pressure, chrome plated, **trapezoid crimping**



Art. No.	crimp	weight	PU
21 16 76	2 x 0,5/2 x 0,75/2 x 1		
(for TWIN-end sleeves)	2 x 1,5/2 x 2,5/2 x 4/2 x 6	520	1
21 16 78	2 x 6		
(for TWIN-end sleeves)	2 x 10		
	2 x 16	550	1



### Crimping pliers

precise square crimping profile, automatic adjustment on wire diameter, with locking device, guaranteed DIN-crimp-connections, high transmission and ergonomically formed plastic handle, **square shape**



Art. No.	crimp	weight	PU
21 08 00	0,08 - 6,0	980	1
21 08 04	0,75 - 10	980	1

### Crimping pliers

extra long handles, with locking device, **trapezoid crimping**



Art. No.	crimp	weight	PU
21 07 88	10 - 50	800	1
Twin end sleeves	2 x 4 - 2 x 16		

### Front-Crimping pliers

Crimping from 0,08 to 6 mm<sup>2</sup>, adjustable to 10 mm<sup>2</sup>, precise square crimping profile, automatic adjustment on wire diameter, frontal approach allows working in small areas, sidewise approach for end sleeves up to 2,5 mm<sup>2</sup>, with locking device, high transmission and ergonomically formed plastic handle, **square shape**



Art. No.	crimp	weight	PU
21 08 19	0,08 - 6 and 10	500	1

### Crimping pliers

extra long handles, with locking device, **trapezoid crimping**



Art. No.	crimp	weight	PU
21 07 89	50 - 95	800	1

### Front-Crimping pliers

automatic adjustment of crimp-profile, with locking device, with adjustable crimp pressure, **trapezoid crimping**



Art. No.	crimp	weight	PU
21 09 79	0,14 - 6	500	1
21 09 79 A	2,5 - 10	500	1
21 09 79 B	10 - 16	500	1

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## 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 mm<sup>2</sup>
- Blue => stands for >1.5 to 2.5 mm<sup>2</sup>
- Yellow => stands for >2.5 to 6 mm<sup>2</sup>

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

light construction, 20 % angled handy form, with locking device, with adjustable crimp pressure, **oval crimping**



Art. No.	crimp	weight	PU
21 08 45	0,08 - 0,25	355	1
	0,25 - 1,5		
	1,5 - 2,5		

### Crimping pliers

heavy construction, with locking device, with adjustable crimp pressure, chrome plated, **oval crimping**



Art. No.	crimp	weight	PU
21 07 61	0,5 - 6,0	500	1

### Crimping pliers

Crimp-Crip pliers, one hand use, with cutting device, **oval crimping**



Art. No.	crimp	weight	PU
21 08 14	0,5 - 6,0	500	1

### Crimping pliers

heavy construction, with locking device, extra long handles, **oval crimping**



Art. No.	crimp	weight	PU
21 08 27	10/16	450	1

### Crimping pliers

for insulated crimping terminals with wire-and bolt-cutters and wire stripper with threaded bolt-cutter, **oval crimping**



Art. No.	crimp	weight	PU
21 08 02	1,5 - 6	200	1

### Combi-Crimping pliers

for insulated and uninsulated tube terminals and connectors from 1,5 - 6 mm<sup>2</sup>, C 45, cutting edges induction hardened, with wire-and bolt-cutters and wire stripper with threaded bolt-cutter, **oval crimping**



Art. No.	crimp	weight	PU
21 08 08	1,5 - 6	215	1

## Crimping pliers for uninsulated terminals

### Crimping pliers

light construction, 20% angled handy form, with locking device, with adjustable crimp pressure, **mandrel shape crimping**



Art. No.	crimp	weight	PU
21 07 78	0,25 - 2,5	345	1
21 07 79	1,25 - 6	345	1

### Crimping pliers

heavy construction, with locking device, with adjustable crimp pressure, chrome plated, **mandrel shape crimping**



Art. No.	crimp	weight	PU
21 07 64	1,5 - 10	450	1

### Crimping pliers

Crimp-Grip pliers, one hand use, with cutting device, **mandrel shape crimping**



Art. No.	crimp	weight	PU
21 08 10	0,1 - 10	490	1

### Crimping pliers

with locking device, with pressed handles, **mandrel shape crimping**



Art. No.	crimp	weight	PU
21 07 72	1-2,5-4 to 6-10	600	1
21 07 74	1 to 2-6-10-16	600	1

### Crimping pliers

with locking device, extra long handles, **mandrel shape crimping**



Art. No.	crimp	weight	PU
21 07 99	0,5 - 16	600	1

### Crimping pliers

for **uninsulated crimping terminals** with wire-and bolt-cutters and wire stripper with threaded bolt-cutter



Art. No.	length	crimp	stripping mm²	weight	PU
21 08 06	210	1,5 - 6	0,75 - 6	205	6



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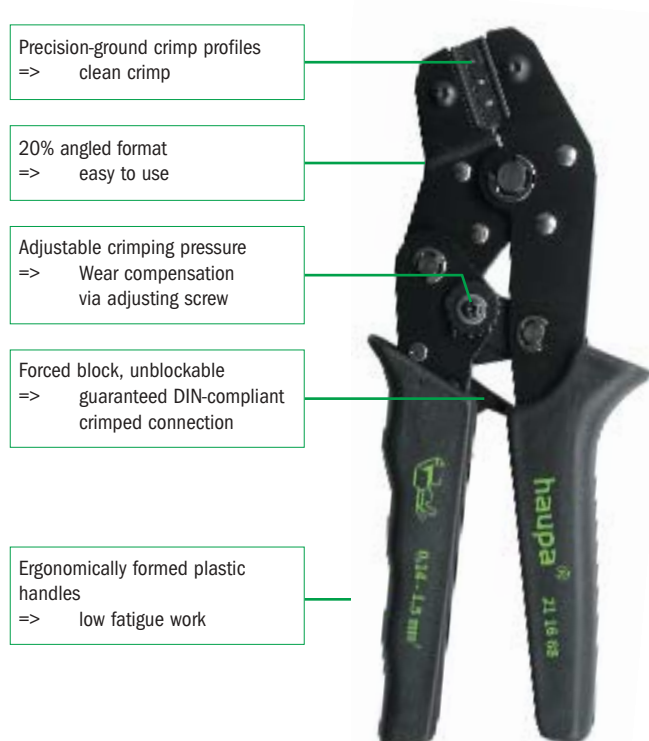
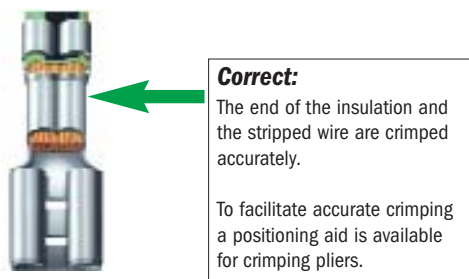
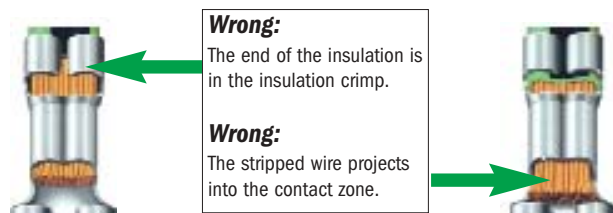
## INFO

### 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".

To ensure precise crimping of open plug-in connections, locators can be attached to the pliers.



crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm

length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

### Crimping pliers

light construction, 20 % angled handy form, with locking device, with adjustable crimp pressure, 211664/66/68 with Locator, **roll crimping**



Art. No.	crimp		weight	PU
21 07 77	0,5 - 1,5		450	1
21 16 64	0,5 - 2,5	with Locator (4,8/6,3 mm)	470	1
21 16 66	0,1 - 1,0	with Locator (2,8 mm)	470	1
21 16 68	0,14 - 1,5	with Locator (4,8 mm)	470	1

### Crimping pliers

heavy construction, with locking device, with adjustable crimp pressure, chrome plated, **roll crimping**



Art. No.	crimp		weight	PU
21 16 82	0,5 - 2,5		500	1
21 07 62	0,25 - 6,0		500	1
21 16 84	Locator 6,3 mm (positioning help)		20	1
21 16 86	Locator 4,8 and 2,8 mm (positioning help)		20	1

### Crimping pliers

heavy construction, for **uninsulated push-on females 90° flag-type**, with locking device, with adjustable crimp pressure, chrome plated, **roll crimping**



Art. No.	crimp		weight	PU
21 07 85	0,5 - 1,0		500	1
21 07 86	1,5 - 2,5		500	1

### Crimp-Grip pliers

one hand use, with cutting device, **roll crimping**



Art. No.	crimp		weight	PU
21 08 23	0,14 - 1		315	1

### Crimp-Grip pliers

with final-point for processing of uninsulated terminals blades of 0,05 - 6 mm<sup>2</sup>, one way process for contact- and isolation-crimping, with cable cutter and wire stripping device for wire up to 6 mm<sup>2</sup>, **roll crimping**



Art. No.	crimp		weight	PU
21 08 33	0,5 - 6		500	1

SM ..... sectorshape multywiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm

tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm

### Crimping pliers for coax-connections

light construction, 20% angled handy form, with locking device, with adjustable crimp pressure, **hexagon crimping**



Art. No.	crimp	weight	PU
21 08 49	RG 58-59-62-71	535	1

### Crimping pliers for coax-connections

heavy construction, with locking device, with adjustable crimp pressure, chrome plated, **hexagon crimping**



Art. No.	crimp	weight	PU
21 07 67	RG 58-59-62-6	500	1
21 16 80	RG 55-58-59-62	450	1



## 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, with cable cutter and stripper



Art. No.	crimp	weight	PU
21 08 67	4pole plug, RJ10, 4P4C, RJ14, 4P2C	535	1
21 08 65	6pole plug, 6P/RJ12, RJ11, 6P2C	535	1
21 08 69	8pole plug, RJ45, 8P8C	535	1

### Crimping pliers for modular plugs

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



Art. No.	crimp	weight	PU
21 30 50	4-, 6-, 8pole plug, 6 DEC RJ10, RJ11, RJ12, RJ14, RJ45	300	1

### Crimping pliers for modular plugs

for unshielded modular plugs, with cable cutter and stripper



Art. No.	crimp	weight	PU
21 08 57	6- and 8pole plug RJ11, RJ12, RJ45	535	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



Art. No.	crimp	weight	PU
21 08 71	4-, 6-, 8pole plug, 6DEC RJ10, RJ11, RJ12, RJ14, RJ45	500	1

crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm  
length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

### Crimp-Crimping pliers

for unshielded modular plug, with linear stroke and locking device



Art. No.	crimp	weight	PU
21 09 71	4pole plug	300	1
21 09 73	6pole plug	400	1
21 09 81	8pole plug	300	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.



Art. No.	weight	PU
21 30 00	460	1

### Dies

for crimping pliers 21 30 00



Art. No.	crimp	weight	PU
21 30 02	4pole plug, unshielded	70	1 pair
21 30 04	6pole plug, unshielded	70	1 pair
21 30 06	6DEC, unshielded	70	1 pair
21 30 08	8pole plug, unshielded	70	1 pair
21 30 10	10pole plug, unshielded	70	1 pair
21 30 12	8pole plug, shielded	70	1 pair
21 30 14	10pole plug, shielded	70	1 pair

SM ..... sectorshape multywiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm  
tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm



### 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.



Art. No.	weight	PU
21 30 20	550	1

### Manual crimping tool for Western plugs

Professional manual crimping tool for screened and unscreened Western plugs, with replaceable steel press dies, easy to use, light on the arms due to optimum leverage, optimum crimping, made of hardened quality steel, quick and simple replacement of crimping dies, adjustable crimping pressure and depth, application area for medium to large series, can be mounted on bench.



Art. No.	weight	PU
21 30 70	3860	1
21 30 72	Mounting plate	385

### Dies

for crimping pliers 21 30 20 and Handpress 21 30 70



Art. No.	crimp	weight	PU
21 30 22	8pole plug, shielded	100	1 pair
21 30 24	10pole plug, shielded	100	1 pair
21 30 26	4pole plug, unshielded	100	1 pair
21 30 28	6pole plug, unshielded	100	1 pair
21 30 30	6DEC, unshielded	100	1 pair
21 30 32	8pole plug, unshielded	100	1 pair
21 30 34	10pole plug, unshielded	100	1 pair
21 30 36	8pole plug, CAT 5 unshielded	100	1 pair
21 30 38	6pole plug, shielded	100	1 pair
21 30 40	8pole plug, „stewart connector“ shielded	100	1 pair
Dies for connector			
21 30 42	für Ø 3,7 mm	100	1 pair
21 30 44	für Ø 4,5 mm	100	1 pair
21 30 46	für Ø 5,2 mm	100	1 pair
21 30 48	für Ø 6,0 mm	100	1 pair

### Tool case

for crimping pliers and dies, plastic case, black

Art. No.	weight	PU
21 30 60	550	1

### Crimping pliers für “Hirose” modular plugs

Professional crimping pliers for screened Hirose modular plugs, for 5,7 mm diameter cable, short design, complete crimping in one step, easy to use, light on the arms due to optimum leverage, optimum crimping, body of the pliers made of hardened quality steel



Art. No.	cable-Ø	weight	PU
21 30 51	5,7	550	1

### Crimping pliers für “Hirose” modular plugs

Professional crimping pliers for screened Hirose modular plugs, for 6,4 mm diameter cable, short design, complete crimping in one step, easy to use, light on the arms due to optimum leverage, optimum crimping, body of the pliers made of hardened quality steel



Art. No.	cable-Ø	weight	PU
21 30 52	6,4	550	1

### Crimping pliers for “Sentinel” modular plugs

Professional crimping pliers for screened Sentinel modular plugs, for 5,5 mm diameter cable, short design, complete crimping in one step, easy to use, light on the arms due to optimum leverage, optimum crimping, body of the pliers made of hardened quality steel



Art. No.	cable-Ø	weight	PU
21 30 54	5,5	550	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.	weight	PU
30 00 33	1200	1

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## 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

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

twisted contacts



Art. No.	crimp	weight	PU
21 16 56	0,14 - 4	350	1
21 16 58	1,5 - 6	350	1

### Crimping pliers

light construction, for rolled contacts, 20% angled handy form, with locking device, with adjustable crimp pressure, **roll crimping**

rolled contacts



Art. No.	crimp	weight	PU
21 16 60	0,14 - 1,5	350	1

### Crimping pliers

light construction, for D-Sub-connectors, 20 % angled handy form, with locking device, with adjustable crimp pressure, **roll crimping**

D-Sub-connectors



Art. No.	crimp	weight	PU
21 16 62	0,08 - 0,5	320	1

crimp . . . . . crimp range in mm<sup>2</sup>  
 cross section . . . in mm<sup>2</sup>  
 height . . . . . in mm  
 length . . . . . in mm  
 lob . . . . . length of blade in mm  
 PU . . . . . packing unit in pieces

### Crimping and cutting products for optical fibre cable

#### 214000

MOSFET optical fibre cable 2.3 mm cutting tool to cut optical fibre (POF), with cutting device for cutting to length, integrated stripping unit for the outer jacket, cutting device for precise cutting of the core, no subsequent polishing required, incl. 10 replacement blades

#### 214002

MOSFET crimping tool to process MOSFET connectors, linear operating mode from 4 sides, precise formation of the crimp stamp, integrated contact positioning, integrated contact determiner, with positioner for fibre-optical waveguide designed for AMP plugs

#### 214004

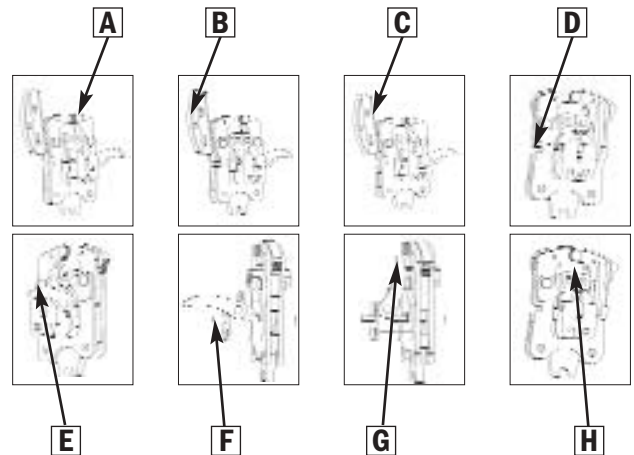
Basic body for 214000 + 214002, tool-less fast-change system, ergonomically formed soft handle, short handle design

#### 214006

Range of cutting tools incl. case and article no. 21 40 00/02/04



### Operating instructions 21 40 00



	Blade change	Cutting to length	Cable stripping	Cutting
1	Pull socket pins (A)	Place cable in length cutting station (D)	Open clamping lever (E)	Insert new blade
2	Open blade retaining clip (B) to stopper	Close tool	Insert cable in stripper station (F) until it sits flush with the back of the tool	Insert optical fibre into cutting station (H) until insulation touches clamping jaw
3	Change blade (C)	Slowly remove cable	Close tool	Close tool slowly
4	Close blade retaining clip	Open tool	Open slowly and disengage	Remove cable while tool is closed
5	Insert socket pins (A)	—	Move clamping lever in the direction of the tool (G)	Open tool
6	—	—	Remove optical fibre	—
7	—	—	Open tool	—

Art. No.	weight	PU
21 40 06	890	1

SM . . . . . sectorshape multywiring (mm<sup>2</sup>)  
 SS . . . . . sectorshape singlewiring (mm<sup>2</sup>)  
 th . . . . . thickness in mm  
 tot. length . . . total length in mm  
 weight . . . . . in gr.  
 width . . . . . in mm

## INFO

### Crimping pliers for uninsulated tubular cable lugs and connectors

#### 1. Choosing the connector

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

#### 2. Stripping

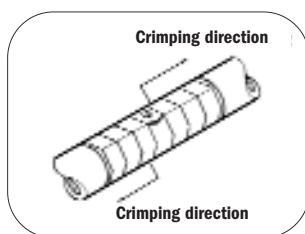
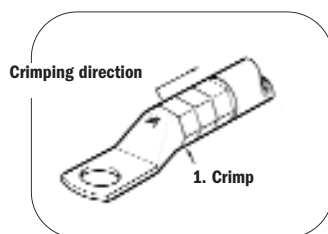
Before notching, the cable must be stripped according to the insertion length (+10% due to change in length of the crimping sleeve).

#### 3. Cleaning

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

#### 4. Assembly

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



#### Crimping pliers

with locking device, with pressed handles, **mandrel shape crimping**



Art. No.	crimp	weight	PU
21 07 72	1-2,5-4 to 6-10	600	1
21 07 74	1 to 2-6-10-16	600	1

#### Crimping pliers

simple using, with puncher and adjustable screw, for different sections, handle PCV-coated, **mandrel shape crimping**



Art. No.	crimp	weight	PU
21 07 91	10 - 120	3300	1

#### Crimping pliers

with built-in rotatable profile disk, **hexagon crimping**



Art. No.	crimp		weight	PU
21 08 05	6 - 50	standard	1300	1
21 08 05K	6 - 50	DIN	1300	1

#### Crimping pliers

with built-in rotatable profile disk, **hexagon crimping**



Art. No.	crimp		weight	PU
21 08 50	10 - 120	standard	3780	1
21 08 53	10 - 120	DIN	3780	1

#### Crimping pliers

with locking device, with extra long handles, **mandrel shape crimping**



Art. No.	crimp	weight	PU
21 08 30	0,75 - 16	600	1

#### Crimping pliers

for uninsulated tube terminals and connectors, with built-in rotatable profile disk, **mandrel shape crimping**



Art. No.	crimp	weight	PU
21 08 34*	6-10-16-25-35-50	2800	1
21 08 36	50-70-90-120	4800	1
21 08 38	120-150-185-240	5200	1
21 08 40	185-240-300-400	5200	1

\* without extensions

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## INFO

### Technical indication to the different crimping formats

The following crimping formats are generally available.



#### Hexagonal crimp

for crimping "normal design" Cu tubular cable lugs and connectors tubular cable lugs for switchgear connections, crimp cable lugs and connectors DIN 46235 / DIN 46267, Al crimp cable lugs and connectors.  
Applications: 6 - 1000 mm<sup>2</sup>



#### Mandrel shape crimp

for crimping "normal design" Cu tubular cable lugs and connectors, tubular cable lugs for switchgear connections, crimp cable lugs DIN 46234 and pin cable lugs for fine wires, nickel tubular cable lugs and connectors.  
Applications: 0.75 - 400 mm<sup>2</sup>



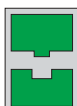
#### Oval crimp

for crimping double crimp cable lugs, C clamps, insulated tubular cable lugs and connectors, insulated pin cable lugs, crimp cable connectors DIN 48217, crimp dead end binding, insulated cable connections.  
Applications: 0.1 - 185 mm<sup>2</sup>



#### Trapezoid crimp

for crimping wire-end sleeves and twin wire-end sleeves.  
Applications: 0,14 - 185 mm<sup>2</sup>



#### Square crimp

for crimping wire-end sleeves and twin wire-end sleeves.  
Applications : 0,14 - 6 mm<sup>2</sup>



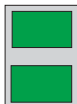
#### WM crimp

for crimping tube terminals "standard"  
Applications : 10 - 400 mm<sup>2</sup>



#### Rounding

for sectorwires 90° and 120°  
Applications : 10 sm - 300 sm, 35 se - 300 se



#### Cutting dies

### Crimping pliers

C-form crimping head 360° adjustable, with interchangeable dies



Art. No.	crimp	weight	PU
21 08 56	6 - 185	2500	1

### Metal box for crimping pliers 21 08 56

for storing of crimping pliers and crimping dies



Art. No.	metal box	weight	PU
210856/K		2100	1

### Dies for crimping pliers 21 08 56

for tube terminals and connectors „standard-range“, hexagon crimping



Art. No.	Cu (mm <sup>2</sup> )	weight	PU
21 08 60	6	30	1 pair
21 08 62	10	35	1 pair
21 08 64	16	35	1 pair
21 08 66	25	40	1 pair
21 08 68	3	45	1 pair
21 08 70	50	50	1 pair
21 08 72	70	50	1 pair
21 08 74	95	50	1 pair
21 08 76	120	55	1 pair
21 08 78	150	55	1 pair
21 08 80	185	55	1 pair

### Dies for crimping pliers 21 08 56

for crimp cable lugs and connectors DIN, hexagon crimping



Art. No.	Cu (mm <sup>2</sup> )	IF	weight	PU
21 08 90	10	6	30	1 pair
21 08 92	16	8	35	1 pair
21 08 94	25	10	35	1 pair
21 08 96	35	12	45	1 pair
21 08 98	50	14	50	1 pair
21 09 00	70	16	50	1 pair
21 09 02	95	18	55	1 pair
21 09 04	120	20	55	1 pair
21 09 06	150	22	55	1 pair

crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm

length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

SM ..... sectorshape multywiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm

tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm

## Dies for crimping pliers 21 08 56

for aluminium cable lugs, hexagon crimping



Art. No.	Al (mm²)	IF	weight	PU
21 09 10	16/25	10/12	100	1 pair
21 09 14	35	14	100	1 pair
21 09 16	50	16	115	1 pair
21 09 18	70	18	120	1 pair
21 09 20	95/120	22	125	1 pair
21 09 24	150	25	130	1 pair
21 09 26	185	28	140	1 pair

## Dies for crimping pliers 21 08 56

for crimping terminals, mandrel shape crimping



Art. No.	(mm²)	weight	PU
21 09 30	10	50	1 pair
21 09 32	16	80	1 pair
21 09 34	25	100	1 pair
21 09 36	35	100	1 pair
21 09 38	50	200	1 pair
21 09 40	70	200	1 pair
21 09 42	95	250	1 pair

## Dies for crimping pliers 21 08 56

for rounding of square AL- and Cu-conductors (for 3- and 4-sectorwires)

Art. No.	Round of square	SE	SM	CS	weight	PU
21 09 44	19,5	-	10	4,1	180	1 pair
21 09 46	19,5	-	16	5,1	180	1 pair
21 09 48	19,5	35	25	6,3	200	1 pair
21 09 50	19,5	50	35	7,5	200	1 pair
21 09 52	19,5	70	50	9	200	1 pair
21 09 60	19,5	95	70	10,5	225	1 pair
21 09 62	19,5	120	95	12,5	225	1 pair
21 09 64	19,5	150	120	14	230	1 pair
21 09 66	19,5	185	150	15,7	235	1 pair
21 09 68	19,5	240	185	17,5	245	1 pair

## Dies for crimping pliers 21 08 56

for end sleeves, trapezoid crimping



Art. No.	(mm²)	weight	PU
21 11 62	10	150	1 pair
21 11 63	16	150	1 pair
21 11 64	25	200	1 pair
21 11 65	35	200	1 pair
21 11 66	50	200	1 pair
21 11 67	70	225	1 pair
21 11 68	95	225	1 pair

## Dies for crimping pliers 21 08 56

for C-sleeves, oval crimping

Art. No.	(mm²)	weight	PU
21 11 69	16	50	1 pair
21 11 70	25	50	1 pair
21 11 71	35	50	1 pair
21 11 72	50	50	1 pair

## Dies for crimping pliers 21 08 56

Cutting dies

Art. No.	Ø	weight	PU
21 11 93	18	60	1 pair

## Dies for crimping pliers 21 08 56

for insulated terminals and connectors, oval crimping



Art. No.	(mm²)	weight	PU
21 11 74	10	50	1 pair
21 11 75	16	50	1 pair
21 11 76	25	50	1 pair
21 11 77	35	80	1 pair
21 11 78	50	80	1 pair
21 11 79	70	80	1 pair
21 11 80	95	100	1 pair

## Dies for crimping pliers 21 08 56

for insulated crimping terminal, mandrel shape crimping



Art. No.	(mm²)	weight	PU
21 11 81	10	50	1 pair
21 11 82	16	50	1 pair
21 11 83	25	50	1 pair
21 11 84	35	80	1 pair
21 11 85	50	80	1 pair

## Tip

You will find a wide range of cable lugs and wire-end sleeves from page 55 onwards.





## INFO

### Mechanical crimping pliers for tubular cable lugs and connectors

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.

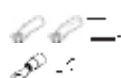
Another safety aspect is that the crimping tool can only be detached from the crimped lug when the required crimping depth has been reached. By turning the wheel on the handle in an anti-clockwise direction the crimping inset can be set in position on the lug. Only then does the actual crimping process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



Art. No.	crimp	weight	PU
21 50 00	6 - 50	1200	1

### Product-specific features

outstanding manageability  
compact construction  
precision drive  
fast forward feed  
can be used anywhere

### Metal box

for storing of crimping pliers and dies



Art. No.	metal box	weight	PU
21 50 02		4600	1

crimp . . . . . crimp range in mm<sup>2</sup>  
cross section . . . in mm<sup>2</sup>  
height . . . . . in mm

length . . . . . in mm  
lob . . . . . length of blade in mm  
PU . . . . . packing unit in pieces

SM . . . . . sectorshape multywiring (mm<sup>2</sup>)  
SS . . . . . sectorshape singlewiring (mm<sup>2</sup>)  
th . . . . . thickness in mm

tot. length . . . total length in mm  
weight . . . . . in gr.  
width . . . . . in mm



## Crimping dies for 21 50 00

The crimping dies for these crimping pliers are available in the following formats.



### Hexagonal crimp

for crimping "normal design" Cu tubular cable lugs and connectors tubular cable lugs for switchgear connections, crimp cable lugs and connectors DIN 46235 / DIN 46267, Al crimp cable lugs and connectors.



### Mandrel shape crimp

for crimping "normal design" Cu tubular cable lugs and connectors, tubular cable lugs for switchgear connections, crimp cable lugs DIN 46234 and pin cable lugs for fine wires, nickel tubular cable lugs and connectors.



### Oval crimp

for crimping double crimp cable lugs, C clamps, insulated tubular cable lugs and connectors, insulated pin cable lugs, crimp cable connectors DIN 48217, crimp dead end binding, insulated cable connections.



### Trapezoid crimp

for crimping wire-end sleeves and twin wire-end sleeves.



### WM crimp

for crimping tube terminals „standard“

## Crimping dies

for crimping terminals and connectors, standard range, WM crimping



Art. No.	Al (mm <sup>2</sup> )	weight	PU
21 50 04	10	100	1 pair
21 50 06	16	120	1 pair
21 50 08	25	180	1 pair
21 50 10	35	200	1 pair
21 50 12	50	250	1 pair

## Crimping dies

noninsulated crimping terminals, mandrel shape crimping



Art. No.	(mm <sup>2</sup> )		weight	PU
21 50 14	6	upper tools	20	1
21 50 16	10	upper tools	20	1
21 50 18	16	upper tools	20	1
21 50 20	25	upper tools	20	1
21 50 22	35	upper tools	20	1
21 50 24	6 - 35	lower tools	20	1

## Crimping dies

for insulated crimping terminals, oval crimping



Art. No.	(mm <sup>2</sup> )	weight	PU
21 50 26	10	100	1 pair
21 50 28	16	100	1 pair

## Crimping dies

for crimping terminals DIN, hexagon shape



Art. No.	Cu	Al	IF	weight	PU
21 50 30	6	-	5	100	1 pair
21 50 32	10	-	6	100	1 pair
21 50 34	16	-	8	100	1 pair
21 50 36	25	16	10	150	1 pair
21 50 38	35	25	12	150	1 pair
21 50 40	50	35	14	150	1 pair

## Crimping dies

for end sleeves, trapezoid crimping



Art. No.	(mm <sup>2</sup> )	weight	PU
21 50 42	6	150	1 pair
21 50 44	10	150	1 pair
21 50 46	16	150	1 pair
21 50 48	25	200	1 pair
21 50 50	35	200	1 pair

## Tip

You will find a wide range of cable lugs and wire-end sleeves from page 55 onwards.

## INFO

### Mechanical crimping pliers for tubular cable lugs and connectors

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.



#### Product-specific features

can be used anywhere  
minimum strength required  
broad application spectrum  
precision drive  
rational use

### Crimping 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



Art. No.	crimp	weight	PU
21 51 00	6 - 120	2100	1

### Metal box

for storing of crimping pliers and dies



Art. No.	metal box	weight	PU
21 51 02		4600	1

crimp . . . . . crimp range in mm<sup>2</sup>  
cross section . . . in mm<sup>2</sup>  
height . . . . . in mm

length . . . . . in mm  
lob . . . . . length of blade in mm  
PU . . . . . packing unit in pieces

SM . . . . . sectorshape multywiring (mm<sup>2</sup>)  
SS . . . . . sectorshape singlewiring (mm<sup>2</sup>)  
th . . . . . thickness in mm

tot. length . . . total length in mm  
weight . . . . . in gr.  
width . . . . . in mm

## Crimping dies for 21 51 00

The crimping dies for these crimping pliers are available in the following formats.



### Hexagonal crimp

for crimping "normal design" Cu tubular cable lugs and connectors tubular cable lugs for switchgear connections, crimp cable lugs and connectors DIN 46235 / DIN 46267, Al crimp cable lugs and connectors.



### Mandrel shape crimp

for crimping "normal design" Cu tubular cable lugs and connectors, tubular cable lugs for switchgear connections, crimp cable lugs DIN 46234 and pin cable lugs for fine wires, nickel tubular cable lugs and connectors.



### Oval crimp

for crimping double crimp cable lugs, C clamps, insulated tubular cable lugs and connectors, insulated pin cable lugs, crimp cable connectors DIN 48217, crimp dead end binding, insulated cable connections.



### Trapezoid crimp

for crimping wire-end sleeves and twin wire-end sleeves.



### WM crimp

for crimping tube terminals "standard"



### Rounding

for sectorwires 90° and 120°

## Crimping dies for 21 51 00

for crimping terminals and connectors, standard range, WM crimping



Art. No.	(mm <sup>2</sup> )	weight	PU
21 51 04	10/70	350	1 pair
21 51 06	16/35	350	1 pair
21 51 08	25/50	350	1 pair
21 51 10	95	400	1 pair
21 51 12	120	400	1 pair

## Crimping dies for 21 51 00

for uninsulated crimping terminals, for up to four diameter, mandrel shape crimping



Please order the top and bottom tools separately.

Art. No.	(mm <sup>2</sup> )	weight	PU
21 51 14	6 - 70	350	1
21 51 16	10/16/25/35	350	1
21 51 18	16/25/35/50	350	1
21 51 20	6/50	400	1
21 51 22	70	400	1

## Crimping dies for 21 51 00

for insulated crimping terminals, oval crimping



Art. No.	(mm <sup>2</sup> )	weight	PU
21 51 24	10	100	1 pair
21 51 26	16	100	1 pair
21 51 28	25	100	1 pair
21 51 30	35	100	1 pair

## Crimping dies for 21 51 00

for crimping terminals DIN, hexagonal crimping



Art. No.	Cu	Al	IF	weight	PU
21 51 42	10/70	- /50	6/16	100	1 pair
21 51 44	16/35	- /25	8/12	100	1 pair
21 51 46	25/50	16/35	10/14	100	1 pair
21 51 48	95	70	18	100	1 pair
21 51 50	120	-	20	100	1 pair

## Crimping dies for 21 51 00

for rounding of square copper and aluminium



Art. No.	(mm <sup>2</sup> )	weight	PU
21 51 52	25/35	250	1 pair
21 51 54	35/50	250	1 pair
21 51 56	70/95	250	1 pair

## Crimping dies for 21 51 00

for end sleeves, trapezoid crimping



Art. No.	(mm <sup>2</sup> )	weight	PU
21 51 58	6	150	1 pair
21 51 60	10	150	1 pair
21 51 62	16	150	1 pair
21 51 64	25	200	1 pair
21 51 66	35	200	1 pair
21 51 68	50	250	1 pair
21 51 70	70	250	1 pair
21 51 72	95	250	1 pair

**Tip**

You will find a wide range of cable lugs and wire-end sleeves from page 55 onwards.

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## INFO

### Mechanical crimping pliers for tubular cable lugs and connectors

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.



### Product-specific features

can be used anywhere  
minimum strength required  
broad application spectrum  
precision drive  
rational use

### 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



Art. No.	crimp	weight	PU
21 52 00	10 - 240	4500	1

### Metal box

for storing of crimping pliers and dies



Art. No.	metal box	weight	PU
21 52 02		4600	1

crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm  
length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

SM ..... sectorshape multywiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm  
tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm

## Crimping dies for 21 52 00

The crimping dies for these crimping pliers are available in the following formats.



### Hexagonal crimp

for crimping "normal design" Cu tubular cable lugs and connectors tubular cable lugs for switchgear connections, crimp cable lugs and connectors DIN 46235 / DIN 46267, Al crimp cable lugs and connectors.



### Mandrel shape crimp

for crimping "normal design" Cu tubular cable lugs and connectors, tubular cable lugs for switchgear connections, crimp cable lugs DIN 46234 and pin cable lugs for fine wires, nickel tubular cable lugs and connectors.



### Trapezoid crimp

for crimping wire-end sleeves and twin wire-end sleeves.



### WM crimp

for crimping tube terminals "standard"

## Crimping dies for 21 52 00

for crimping terminals and connectors, standard range, WM crimping



Art. No.	(mm <sup>2</sup> )	weight	PU
21 52 04	10/25	100	1 pair
21 52 06	16/35	100	1 pair
21 52 08	50	100	1 pair
21 52 10	70	100	1 pair
21 52 12	95	100	1 pair
21 52 01	120	100	1 pair
21 52 03	150	100	1 pair
21 52 05	185	100	1 pair
21 52 07	240	100	1 pair

## Crimping dies for 21 52 00

for uninsulated crimping terminals, mandrel shape crimping



Art. No.	(mm <sup>2</sup> )	mark	weight	PU
21 52 14	10 - 70	mark	100	1
21 52 16	95 - 150	mark	100	1
21 52 18	10/70	double die	100	1
21 52 20	16/35	double die	100	1
21 52 22	25/50	double die	100	1
21 52 24	95	single die	100	1
21 52 26	120	single die	100	1
21 52 28	150	single die	100	1

## Crimping dies for 21 52 00

for crimping terminals DIN, hexagon crimping



Art. No.	Cu	Al	IF	weight	PU
21 52 30	10	-	6	200	1 pair
21 52 32	16	-	8	200	1 pair
21 52 34	25	16	10	200	1 pair
21 52 36	35	25	12	200	1 pair
21 52 38	50	35	14	200	1 pair
21 52 40	70	50	16	200	1 pair
21 52 42	95	70	18	200	1 pair
21 52 44	120	-	20	200	1 pair
21 52 46	150	95/120	22	220	1 pair
21 52 48	185	150	25	220	1 pair
21 52 50	240	185	28	220	1 pair

## Crimping dies for 21 52 00

for end sleeves, trapezoid crimping



Art. No.	(mm <sup>2</sup> )	weight	PU
21 52 52	16	150	1 pair
21 52 54	25	150	1 pair
21 52 56	35	150	1 pair
21 52 58	50	150	1 pair
21 52 60	70	200	1 pair
21 52 62	95	200	1 pair
21 52 64	120	200	1 pair
21 52 66	150	200	1 pair
21 52 68	185	200	1 pair

## Tip

You will find a wide range of cable lugs and wire-end sleeves from page 55 onwards.

## INFO

### Mechanical crimping pliers for tubular cable lugs and connectors

This mechanical hand press is a modern high performance tool. Its eccentric drive has been tried and tested in extreme temperatures and in day-to-day use. When handled properly this tool is very low maintenance.

Crimps can also be made in larger cable cross sections without much effort on the part of the user, because the outer notches of the eccentric drive only move one notch at a time through the hand lever movement. In other words, the required pressure is also created from a specific number of individual strokes.

The device is characterised by its manageability although it reaches the enormous pressure of 100 kN.

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.

Thus the reliability of crimped connections that is demanded today more than ever before is guaranteed.



### Crimping pliers

precise tool with ratchet and built-in-force-locking device, crimping pressure 100 kN, interchangeable dies, easy to remove from the crimped lug by opening the crimping head



Art. No.	crimp	weight	PU
21 53 00	10 - 400	4800	1

### Product-specific features

can be used anywhere  
minimum strength required  
broad application spectrum  
precision drive  
rational use  
high crimping pressure of 100 kN

### Metal box

for storing of crimping pliers and dies



Art. No.		weight	PU
21 53 66	metal box	1200	1

crimp . . . . . crimp range in mm<sup>2</sup>  
cross section . . in mm<sup>2</sup>  
height . . . . . in mm

length . . . . . in mm  
lob . . . . . length of blade in mm  
PU . . . . . packing unit in pieces

SM . . . . . sectorshape multywiring (mm<sup>2</sup>)  
SS . . . . . sectorshape singlewiring (mm<sup>2</sup>)  
th . . . . . thickness in mm

tot. length . . . total length in mm  
weight . . . . . in gr.  
width . . . . . in mm



## Crimping dies for 21 53 00

The crimping dies for these crimping pliers are available in the following formats.



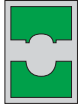
### Hexagonal crimp

for crimping "normal design" Cu tubular cable lugs and connectors tubular cable lugs for switchgear connections, crimp cable lugs and connectors DIN 46235 / DIN 46267, Al crimp cable lugs and connectors.



### WM crimp

for crimping tube terminals "standard"



### Rounding

for sectorwires 90° and 120°

## Crimping dies for 21 53 00

for rounding of square copper and aluminium



Art. No.	Cu	Al	weight	PU
21 53 48	25	35	200	1 pair
21 53 50	35	50	200	1 pair
21 53 52	50	70	200	1 pair
21 53 54	70	95	200	1 pair
21 53 56	95	120	200	1 pair
21 53 58	120	150	200	1 pair
21 53 60	150	185	200	1 pair
21 53 62	185	240	200	1 pair
21 53 64	240	300	200	1 pair



## Crimping dies for 21 53 00

for crimping terminals and connectors, standard range, WM crimping



Art. No.	(mm²)	weight	PU
21 53 02	10/25	200	1 pair
21 53 04	16/35	200	1 pair
21 53 06	50	200	1 pair
21 53 08	70	200	1 pair
21 53 10	95	200	1 pair
21 53 12	120	200	1 pair
21 53 14	150	200	1 pair
21 53 16	185	200	1 pair
21 53 18	240	200	1 pair
21 53 20	300	200	1 pair
21 53 22	400	200	1 pair

## Crimping dies for 21 53 00

for crimping terminals DIN and AL-terminals, hexagon crimping



Art. No.	Cu	Al	IF	weight	PU
21 53 24	10	-	6	200	1 pair
21 53 26	16	-	8	200	1 pair
21 53 28	25	16	10	200	1 pair
21 53 30	35	25	12	200	1 pair
21 53 32	50	35	14	200	1 pair
21 53 34	70	50	16	200	1 pair
21 53 36	95	70	18	200	1 pair
21 53 38	120	-	20	200	1 pair
21 53 40	150	95/120	22	200	1 pair
21 53 42	185	150	25	200	1 pair

## Tip

You will find a wide range of cable lugs and wire-end sleeves from page 55 onwards.



## Hydraulic crimping tools

Crimping without effort  
Universal use  
Low maintenance



# INFO

## Hydraulic crimping tools

These hydraulic crimping tools are produced from high-quality materials and distinguish themselves by a perfect processing of the connectors.

All crimping dies usable in these models are right-angled. They consist of two, in the external dimensions to identical parts, so that they can be used either in the butt or the head. The crimping dies are compatible with all crimping tools of this construction form.

The working heads are around 180 ° swivelling for the relieved adaptation to the executive operation.

The crimping tools must never be used without the crimping dies. This could cause serious damage.

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.

## Extent of supply 21 55 86



1 Crimping tool, 1 loading charger, 2 batteries, carrying belt, in black metal suitcase

**without dies - please, order separately**

## Hydraulic hand pliers

Crimping head 180 ° swivelling, manual return flow after perfect pressure, light and compact construction, in black metal suitcase, **without dies**



## Art. No. 21 57 55

Pressure:	55 kN
Crimping range:	DIN cable lugs
	standard copper
	aluminium
Dimension:	350 x 120 mm
Weight:	2,4 kg
Weight Set:	4,6 kg

## Cordless crimping tools

Crimping head 180 ° swivelling, with fast opening, manual return flow after perfect pressure, in black metal suitcase, 1 loading charger, 2 batteries, carrying belt, **without dies**



## Art. No. 21 55 86

Pressure:	55 kN
Crimping range:	DIN cable lugs
	standard copper
	aluminium
Crimping time:	6 sec.
Charging time for batteries:	1 h
Battery voltage:	12 V
Battery capacity:	2 Ah
Working pressure:	600 bar
Dimension:	330 x 230 mm
Weight:	3,4 kg
Weight Set:	8,0 kg

## Hydraulic crimping headstock

H-crimping head, with fast opening, for crimping tool 21 55 86 and 21 57 55 and compatible with hydraulic pumps on page 53



## Art. No. 21 57 60

Pressure:	55 kN
Crimping range:	DIN cable lugs:
	standard copper
	aluminium
Working pressure:	max. 700 bar
Dimension:	185 x 75 mm
Weight:	1,5 kg

## Crimping dies

### Crimping dies for 21 55 86

The crimping dies for these crimping pliers are available in the following formats.



#### Hexagonal crimp

for crimping "normal design" Cu tubular cable lugs and connectors tubular cable lugs for switchgear connections, crimp cable lugs and connectors DIN 46235 / DIN 46267, Al crimp cable lugs and connectors.



#### Rounding

for sectorwires 90° and 120°

### Crimping dies for 21 55 86

aluminium DIN, hexagon crimping



Art. No.	Al	IF	weight	PU
21 55 36/A	25	12	100	1 pair
21 55 38/A	35	14	100	1 pair
21 55 40/A	50	16	100	1 pair
21 55 42/A	70	18	100	1 pair
21 55 44/A	95/120	22	100	1 pair
21 55 46/A	150	25	100	1 pair

### Crimping dies for 21 55 86

for rounding of square conductors

Art. No.	SM	SE	weight	PU
21 55 58/A	25	35	100	1 pair
21 55 60/A	35	50	100	1 pair
21 55 62/A	50	70	100	1 pair
21 55 64/A	70	95	100	1 pair
21 55 66/A	95	120	100	1 pair
21 55 68/A	120	150	100	1 pair
21 55 70/A	150	185	100	1 pair
21 55 72/A	185	240	100	1 pair

### Crimping dies for 21 55 86

for copper connectors, hexagon crimping



Art. No.	Cu	weight	PU
21 55 10/A	10/185	100	1 pair
21 55 12/A	16/150	100	1 pair
21 55 14/A	25/120	100	1 pair
21 55 16/A	35/95	100	1 pair
21 55 18/A	50/70	100	1 pair
21 55 20/A	6	100	1 pair
21 55 21/A	240	100	1 pair

### Crimping dies for 21 55 86

copper DIN, hexagon crimping



Art. No.	Cu	IF	weight	PU
21 55 22/A	10/120	6/20	100	1 pair
21 55 24/A	25/95	10/18	100	1 pair
21 55 26/A	35/50	12/14	100	1 pair
21 55 28/A	16/70	8/16	100	1 pair
21 55 30/A	6/150	5/22	100	1 pair
21 55 32/A	185	25	100	1 pair

## Tip

You will find a wide range of cable lugs and wire-end sleeves from page 55 onwards.

**haupa**

...Technology that connects

## Hydraulic hand pliers



crimp head 360° revolving, manual return flow after perfect pressure, light and compact construction, universal tool for crimping Cu cable lugs and connectors, broad application spectrum, **no change of dies needed, mandrel shape crimping**



### Art. No. 21 66 60

Pressure:	60 kN
Crimping range:	standard copper: 16 - 300 mm <sup>2</sup>
	connectors standard: 16 - 120 mm <sup>2</sup>
	standard copper fine wiring: 16 - 300 mm <sup>2</sup>
	connectors standard fine wiring: 16 - 120 mm <sup>2</sup>
Max. diameter cable:	32 mm
Dimension:	560 mm
Weight:	5,0 kg



## Product-specific features

can be used anywhere  
minimum strength required  
broad application spectrum  
light and compact construction  
no crimping dies needed

crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm  
length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

## Hydraulic hand pliers

H-crimping head, 180° revolving, for changeable crimping dies according DIN 48083 BI 4, twin piston pump with automatic change for two different speeds (high and low pressure) and maximum pressure valve, **without dies**



### Art. No. 21 58 00

Pressure:	50 kN
Crimping range:	DIN cable lugs: 185 mm <sup>2</sup>
	standard copper 240 mm <sup>2</sup>
	aluminium 150 mm <sup>2</sup>
Dimension:	370 x 120 mm
Weight:	2,0 kg

## Transport case

for Hydraulic hand pliers 21 58 00



Art. No.		weight	PU
21 58 02	metal box	1500	1

SM ..... sectorshape multywiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm  
tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm



## Crimping dies for 21 58 00

The crimping dies for these crimping pliers are available in the following formats.



### Hexagonal crimp

for crimping "normal design" Cu tubular cable lugs and connectors tubular cable lugs for switchgear connections, crimp cable lugs and connectors DIN 46235 / DIN 46267, Al crimp cable lugs and connectors.



### Trapezoid crimp

for crimping wire-end sleeves and twin wire-end sleeves.



### Rounding

for sectorwires 90° and 120°

## Crimping dies for 21 58 00

for rounding of square conductors

Art. No.	SM	SE	weight	PU
21 55 58	25	35	100	1 pair
21 55 60	35	50	100	1 pair
21 55 62	50	70	100	1 pair
21 55 64	70	95	100	1 pair
21 55 66	95	120	100	1 pair
21 55 68	120	150	100	1 pair
21 55 70	150	185	100	1 pair
21 55 72	185	240	100	1 pair

## Crimping dies for 21 58 00

for end sleeves, trapezoid crimping

Art. No.	(mm <sup>2</sup> )	weight	PU
21 55 74	16	200	1 pair
21 55 76	25	200	1 pair
21 55 78	35	200	1 pair
21 55 80	50	200	1 pair
21 55 82	70	200	1 pair
21 55 84	95	200	1 pair

## Crimping dies standard for 21 58 00

copper standard, hexagon crimping



Art. No.	Cu	weight	PU
21 58 52	10/16	100	1 pair
21 58 54	25/35	100	1 pair
21 58 56	50/70	100	1 pair
21 58 58	95/120	100	1 pair
21 58 59	150	100	1 pair
21 58 60	185	100	1 pair
21 58 61	240	100	1 pair

## Crimping dies DIN for 21 58 00

aluminium and copper, hexagon crimping



Art. No.	IF	Cu	Al	weight	PU
21 58 62	6/8	10/16	-	100	1 pair
21 58 64	10/12	25/35	16/25	100	1 pair
21 58 66	14/16	50/70	35/50	100	1 pair
21 58 68	18/20	95/120	70	100	1 pair
21 58 69	22	150	95/120	100	1 pair
21 58 70	25	185	150	100	1 pair
21 58 72	28	-	185	100	1 pair

## Tip

You will find a wide range of cable lugs and wire-end sleeves from page 55 onwards.



# INFO

## Hydraulic crimping tools

Hydraulic crimping tools are made from high quality materials and are characterised by perfect processing of the connectors.

All the crimping dies used in these models are semi-circular, regardless of the type of crimping. They consist of two connectable parts with identical outer dimensions, so that they can be placed either in the piston or the head. The procedure for inserting the crimping dies is identical for assembly of both the piston and the head. The dies are fed into the guide to the stopper at the blocking pin. The pin is then retracted using the unblocking button and the die is fed in further to the point where it is held by the pin. To remove the dies, in both cases the respective unblocking button must be pressed. The crimping dies are compatible with all crimping tools of this type.

The working heads can be turned 180° to allow the respective operation to be executed.

The crimping tools must never be used without the crimping dies. This could cause serious damage.

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.

## Cordless crimping tools

Crimping head 180° swivelling, with fast opening, manual return flow after perfect pressure, in black metal suitcase, 1 loading charger, 2 batteries, carrying belt, **without dies**



Art. No. 21 66 00

Pressure:	120 kN
Crimping range:	DIN cable lugs:
	standard copper
	aluminium
	type C
	connectors
Crimping time:	10 sec.
Charging time for batteries:	1 h
Battery voltage:	12 V
Battery capacity:	2 Ah
Working pressure:	700 bar
Dimension:	400 x 270 mm
Weight:	7,0 kg
Weight Set:	13,6 kg

crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm  
length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

## Extent of supply 21 66 00



1 Crimping tool, 1 loading charger, 2 batteries, carrying belt, in black metal suitcase

**without dies - please, order separately**

## Hydraulic hand pliers

Crimping head 180° swivelling, manual return flow after perfect pressure, light and compact construction, in black metal suitcase, **without dies**



same crimping headstock as 21 66 00



Art. No. 21 61 24

Pressure:	120 kN
Crimping range:	DIN cable lugs:
	standard copper
	aluminium
	type C
	connectors
Dimension:	620 x 150 mm
Weight:	5,6 kg
Weight Set:	10,2 kg

## Hydraulic crimping headstock

C-crimping head, with fast opening, for crimping tool 21 66 00 and 21 61 24 and compatible with hydraulic pumps on page 53



Art. No. 21 60 04

Pressure:	120 kN
Crimping range:	DIN cable lugs:
	standard copper
	aluminium
	type C
	connectors
Working pressure	max. 700 bar
Dimension:	185 x 75 mm
Weight:	1,5 kg

SM ..... sectorshape multywiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm  
tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm

## Crimping dies

### Crimping dies for 21 66 00

copper standard, hexagon crimping



Art. No.	Cu	weight	PU
21 60 08	10	200	1 pair
21 60 10	16	200	1 pair
21 60 12	25	200	1 pair
21 60 14	35	200	1 pair
21 60 16	50	200	1 pair
21 60 18	70	200	1 pair
21 60 20	95	200	1 pair
21 60 22	120	200	1 pair
21 60 24	150	200	1 pair
21 60 26	185	200	1 pair
21 60 28	240	200	1 pair
21 60 30	300	200	1 pair

### Crimping dies DIN for 21 66 00

für copper and aluminium, hexagon crimping



Art. No.	IF	Cu	Al	weight	PU
21 60 36	6	10	—	200	1 pair
21 60 38	8	16	—	200	1 pair
21 60 40	10	25	—	200	1 pair
21 60 42	12	35	16/25	200	1 pair
21 60 44	14	50	35	200	1 pair
21 60 46	16	70	50	200	1 pair
21 60 48	18	95	70	200	1 pair
21 60 50	20	120	—	200	1 pair
21 60 52	22	150	95/125	200	1 pair
21 60 54	25	185	150	200	1 pair
21 60 56	28	240	185	200	1 pair

### Crimping dies for 21 66 00

for rounding of square conductors



Art. No.	(mm <sup>2</sup> )	weight	PU
21 60 88	50	300	1 pair
21 60 90	70	300	1 pair
21 60 92	95	300	1 pair
21 60 94	120	300	1 pair
21 60 96	150	300	1 pair
21 60 98	185	300	1 pair
21 61 00	240	300	1 pair

### Crimping dies for 21 66 00

for end sleeves, trapezoid crimping



Art. No.	Cu (mm <sup>2</sup> )	weight	PU
21 61 12	50	200	1 pair
21 61 14	70	200	1 pair
21 61 16	95	200	1 pair
21 61 18	120	200	1 pair
21 61 20	150	200	1 pair

### Crimping dies for 21 66 00

for insulated tube terminals, oval crimping



Art. No.	Cu (mm <sup>2</sup> )	weight	PU
21 61 26	10	200	1 pair
21 61 28	16	200	1 pair
21 61 30	25	200	1 pair
21 61 32	35	200	1 pair
21 61 34	50	200	1 pair
21 61 36	70	200	1 pair
21 61 38	95	200	1 pair
21 61 40	120	200	1 pair
21 61 42	150	200	1 pair
21 61 44	185	200	1 pair
21 61 46	240	200	1 pair
21 61 47	300	200	1 pair

### Crimping dies for 21 66 00

C-connectors, oval crimping



Art. No.	Cu (mm <sup>2</sup> )	weight	PU
21 61 48	16/25	200	1 pair
21 61 50	35	200	1 pair
21 61 52	50/70	200	1 pair
21 61 54	95	200	1 pair
21 61 56	120	200	1 pair

## Tip

You will find a wide range of cable lugs and wire-end sleeves from page 55 onwards.

**haupa**

...Technology that connects

# INFO

## Hydraulic crimping tools

Hydraulic crimping tools are made from high quality materials and are characterised by perfect processing of the connectors.

All the crimping dies used in these models are semi-circular, regardless of the type of crimping. They consist of two connectable parts with identical outer dimensions, so that they can be placed either in the piston or the head. The dies are fed into the guide to the stopper at the blocking pin. The pin is then retracted using the unblocking button and the die is fed in further to the point where it is held by the pin. To remove the dies, in both cases the unblocking button must be pressed. The crimping dies are compatible with all crimping tools of this type. When the crimping has been completed successfully the top part of the crimping head can be removed to allow large diameter cables to be removed easily.

The working heads can be turned 180° to allow the respective operation to be executed.

The crimping tools must never be used without the crimping dies. This could cause serious damage.

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.

## Cordless crimping tools

Crimping head 180° swivelling, with fast opening, manual return flow after perfect pressure, in black metal suitcase, 1 loading charger, 2 batteries, carrying belt, **without dies**



Art. No. 21 65 00

Pressure:	120 kN
Crimping range:	DIN cable lugs:
	standard copper
	aluminium
	type C
	connectors
Crimping time:	10 sec.
Charging time for batteries:	1 h
Battery voltage:	12 V
Battery capacity:	2 Ah
Working pressure:	700 bar
Dimension:	410 x 270 mm
Weight:	6,9 kg
Weight Set:	11,5 kg

crimp ..... crimp range in mm<sup>2</sup>  
cross section ..... in mm<sup>2</sup>  
height ..... in mm

length ..... in mm  
lob ..... length of blade in mm  
PU ..... packing unit in pieces

## Extent of supply 21 65 00



1 Crimping tool, 1 loading charger, 2 batteries, carrying belt, in black metal suitcase

**without dies - please, order separately**

## Hydraulic hand pliers

Crimping head 180° swivelling, manual return flow after perfect pressure, in black metal suitcase, **without dies**



Art. No. 21 59 46

Pressure:	120 kN
Crimping range:	DIN cable lugs:
	standard copper
	aluminium
	type C
	connectors
Dimension:	620 x 150 mm
Weight:	4,9 kg
Weight Set:	9,5 kg

## Hydraulic crimping headstock

H-crimping head, with fast opening, for crimping tool 21 65 00 and 21 59 46 and compatible with all hydraulic pumps on page 53



Art. No. 21 59 80

Pressure:	120 kN
Crimping range:	DIN cable lugs:
	standard copper
	aluminium
	type C
	connectors
Working pressure:	max. 700 bar
Dimension:	185 x 75 mm
Weight:	1,5 kg

SM ..... sectorshape multywiring (mm<sup>2</sup>)  
SS ..... sectorshape singlewiring (mm<sup>2</sup>)  
th ..... thickness in mm

tot. length ..... total length in mm  
weight ..... in gr.  
width ..... in mm

## Crimping dies

### Crimping dies for 21 65 00

copper standard, hexagon crimping



Art. No.	Cu	weight	PU
21 60 08	10	200	1 pair
21 60 10	16	200	1 pair
21 60 12	25	200	1 pair
21 60 14	35	200	1 pair
21 60 16	50	200	1 pair
21 60 18	70	200	1 pair
21 60 20	95	200	1 pair
21 60 22	120	200	1 pair
21 60 24	150	200	1 pair
21 60 26	185	200	1 pair
21 60 28	240	200	1 pair
21 60 30	300	200	1 pair

### Crimping dies DIN for 21 65 00

für copper and aluminium, hexagon crimping



Art. No.	IF	Cu	Al	weight	PU
21 60 36	6	10	—	200	1 pair
21 60 38	8	16	—	200	1 pair
21 60 40	10	25	—	200	1 pair
21 60 42	12	35	16/25	200	1 pair
21 60 44	14	50	35	200	1 pair
21 60 46	16	70	50	200	1 pair
21 60 48	18	95	70	200	1 pair
21 60 50	20	120	—	200	1 pair
21 60 52	22	150	95/120	200	1 pair
21 60 54	25	185	150	200	1 pair
21 60 56	28	240	185	200	1 pair

### Crimping dies for 21 65 00

for rounding of square conductors



Art. No.	(mm <sup>2</sup> )	weight	PU
21 60 88	50	300	1 pair
21 60 90	70	300	1 pair
21 60 92	95	300	1 pair
21 60 94	120	300	1 pair
21 60 96	150	300	1 pair
21 60 98	185	300	1 pair
21 61 00	240	300	1 pair

### Crimping dies for 21 65 00

for end sleeves, trapezoid crimping



Art. No.	Cu (mm <sup>2</sup> )	weight	PU
21 61 12	50	200	1 pair
21 61 14	70	200	1 pair
21 61 16	95	200	1 pair
21 61 18	120	200	1 pair
21 61 20	150	200	1 pair

### Crimping dies for 21 65 00

for insulated tube terminals, oval crimping



Art. No.	Cu (mm <sup>2</sup> )	weight	PU
21 61 26	10	200	1 pair
21 61 28	16	200	1 pair
21 61 30	25	200	1 pair
21 61 32	35	200	1 pair
21 61 34	50	200	1 pair
21 61 36	70	200	1 pair
21 61 38	95	200	1 pair
21 61 40	120	200	1 pair
21 61 42	150	200	1 pair
21 61 44	185	200	1 pair
21 61 46	240	200	1 pair
21 61 47	300	200	1 pair

### Crimping dies for 21 65 00

C-connectors, oval crimping



Art. No.	Cu (mm <sup>2</sup> )	weight	PU
21 61 48	16/25	200	1 pair
21 61 50	35	200	1 pair
21 61 52	50/70	200	1 pair
21 61 54	95	200	1 pair
21 61 56	120	200	1 pair

## Tip

You will find a wide range of cable lugs and wire-end sleeves from page 55 onwards.

**haupa**

...Technology that connects



## Hydraulic crimping headstock

for uninsulated terminals 95 - 630 mm<sup>2</sup>, pressure 250 kN, for crimping dies hexagon shape according to DIN 48083 page 3 and 4, compatible with all hydraulic pumps on page 53



### Art. No. 21 62 36

Pressure:	250 kN
Crimping range:	DIN cable lugs: 630 mm <sup>2</sup>
	aluminium 400 mm <sup>2</sup>
Working pressure:	max. 700 bar
Dimension:	185 x 75 mm
Weight:	6,4 kg

## Crimping dies for 21 62 36

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



Art. No.	Cu	IF	weight	PU
21 23 72	95	18	100	1 pair
21 23 76	120	20	100	1 pair
21 23 80	150	22	100	1 pair
21 23 82	185	25	100	1 pair
21 23 84	240	28	100	1 pair
21 23 88	300	32	100	1 pair
21 23 92	400	38	100	1 pair
21 23 94	500	42	100	1 pair
21 23 96	630	44	100	1 pair

## Hydraulic crimping headstock set

Art. No. 21 62 36 Hydraulic crimping headstock  
Art. No. 21 62 38 Hydraulic high-pressure hose, 2 m  
Art. No. 21 63 48 Hydraulic foot pump



Art. No.	Crimp	weight	PU
21 62 50	95 - 630	21000	1

## Crimping dies for 21 62 36

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



Art. No.	Al	IF	weight	PU
21 23 72	70	18	100	1 pair
21 23 80	95/120	22	100	1 pair
21 23 82	150	25	100	1 pair
21 23 84	185	28	100	1 pair
21 23 88	240	32	100	1 pair
21 23 90	300	34	100	1 pair
21 23 92	400	38	100	1 pair
21 23 96	500	44	100	1 pair

## Transport case

black metal box for hydraulic crimping headstock set



Art. No.	weight	PU
21 62 51	transport case 1500	1

crimp . . . . . crimp range in mm<sup>2</sup>  
cross section . . in mm<sup>2</sup>  
height . . . . . in mm

length . . . . . in mm  
lob . . . . . length of blade in mm  
PU . . . . . packing unit in pieces

SM . . . . . sectorshape multywiring (mm<sup>2</sup>)  
SS . . . . . sectorshape singlewiring (mm<sup>2</sup>)  
th . . . . . thickness in mm

tot. length . . . total length in mm  
weight . . . . . in gr.  
width . . . . . in mm



## Hydraulic crimping headstock + cylinder

for terminals and butt connectors to 1000 mm<sup>2</sup>, 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, crimping head can be separated from the crimping cylinder, both parts will be delivered separately, please order separately with the nos. stated below, for all hydraulic pumps on this page



### Art. No. 21 63 00/21 63 02

Pressure:	200 kN
Crimping range:	DIN cable lugs
	standard copper
	aluminium
Working pressure:	max. 700 bar
Dimension:	185 x 75 mm
Weight:	1,5 kg

## Crimping dies for 21 63 02

standard, WM crimping



Art. No.	(mm <sup>2</sup> )	weight	PU
21 63 04	120	600	1 pair
21 63 06	150	600	1 pair
21 63 08	185	800	1 pair
21 63 10	240	1100	1 pair
21 63 12	300	1200	1 pair
21 63 14	400	1200	1 pair
21 63 16	500	1200	1 pair
21 63 18	630	1300	1 pair

## Crimping dies for 21 63 02

DIN, hexagon crimping

for crimping terminals and connectors DIN 46235 and for Al terminals and Al connectors



Art. No.	Cu	Al	IF	weight	PU
21 63 20	120	-	20	800	1 pair
21 63 22	150	95/120	22	800	1 pair
21 63 24	185	150	25	800	1 pair
21 63 26	240	185	28	900	1 pair
21 63 28	300	240	32	900	1 pair
21 63 30	-	300	34	900	1 pair
21 63 32	400	-	38	900	1 pair
21 63 34	500	-	42	1100	1 pair
21 63 36	625	-	44	1100	1 pair
21 63 38	800	-	52	1200	1 pair
21 63 40	1000	-	58	1200	1 pair

## Hydraulic foot pump

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



Art. No.	length	width	working pressure	weight	PU
21 63 48	680	205	700 bar	12000	1

## Hydraulic high-pressure hose

with steel and quick-socket-connection to foot pump Art. No. 21 63 48



Art. No.	length (m)	weight	PU
21 62 38	2	2500	1
21 62 40	3	3000	1
21 62 42	4	5000	1
21 62 44	5	6000	1

## Elektro-hydraulic pump

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, 220 volt, with foot switch control, pump in a practical, resistant case for working outside



Art. No.	working pressure	weight	PU
21 63 52	700 bar	41000	1

## INFO

### Electro-hydraulic punching tools

The electrohydraulic punching tools are made from high quality materials and are characterised by perfect and problem-free punching of metal sheet to a thickness of 3 mm.

The tool is very comfortable to work with. At the start of the operation a hole with a diameter of 11 mm is drilled in the position where the punching process is to take place. Then the matrix with the required diameter is placed on the threaded pin of the piston and the pin is fed through the drilled hole. The stamp is turned on the threaded pin until it reaches the stopper on the metal sheet. The punching process is now started by pressing the forward feed button.

With the 10 mm pin holes up to a diameter of 31 mm can be punched. If larger holes are to be punched the 20 mm pin must be used and a hole with a diameter of at least 22.5 mm must be drilled.

### Punching dies for 21 67 00

metric



Art. No.	metrisch	weight	PU
21 67 10	16	200	1 pair
21 67 12	20	200	1 pair
21 67 14	25	200	1 pair
21 67 16	32	200	1 pair
21 67 18	40	200	1 pair
21 67 20	50	200	1 pair

### Punching dies for 21 67 00

PG



Art. No.	PG	Ø	weight	PU
21 67 21	9	15,2	200	1 pair
21 67 22	11	18,6	200	1 pair
21 67 24	13	20,4	200	1 pair
21 67 26	16	22,5	200	1 pair
21 67 28	21	28,3	200	1 pair
21 67 30	29	37	200	1 pair
21 67 32	36	47	200	1 pair
21 67 34	42	54	200	1 pair
21 67 36	48	60	200	1 pair

### Electro-hydraulic punching tools

with safety valve to prevent damage, in black metal case, incl. 1 loading charger, 2 batteries, carrying belt, **without dies**



Art. No. 21 67 00

Pressure:	60 kN
Punching range:	from 15 – 65 mm Ø, from 21 x 28 to 68 x 68 mm for metal sheet up to 3 mm thick from 15 – 110 mm diameter, from 21 x 28 to 92 x 92 mm for metal sheet up to 2.5 mm thick
Charging time for batteries:	1 h
Battery voltage:	12 V
Battery capacity:	2 Ah
Working pressure:	600 bar
Dimension:	190 x 230 mm
Weight:	3,3 kg
Weight Set:	7,9 kg

### Punching dies for 21 67 00

square



Art. No.	□	weight	PU
21 67 40	46 x 46	200	1 pair
21 67 42	68 x 68	200	1 pair
21 67 44	92 x 92	200	1 pair
21 67 46	47 x 71	200	1 pair