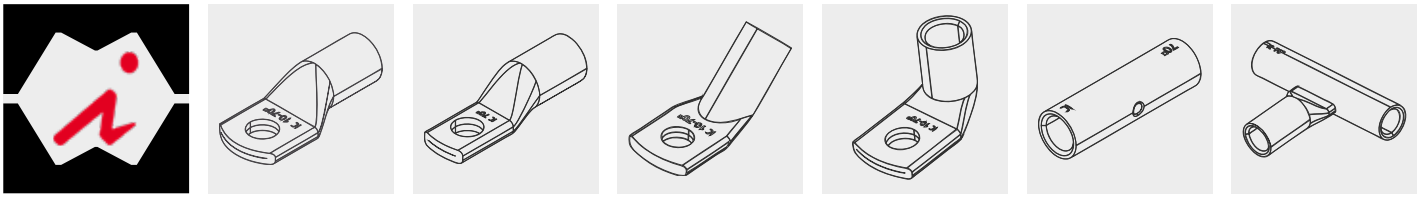


product design award



GENERAL CATALOG TOOLS

www.intercable-tools.com

intercable



INTERCABLE - HISTORY

Intercable is one of the world's leading manufacturers of professional electrical products for Utilities, Power Boards, Contractors, Electricians and Industry. Our main ambition is to improve efficiency, safety and quality of our customers' daily work. As a family owned company, established in 1972, we currently count more than 1.500 employees in our manufacturing plants around the world.

Our product range is attuned to LV ,MV and HV cable preparation and consists of five main product lines:
• insulated safety tools up to 1000V
• hydraulical and mechanical crimping and cutting tools
• stripping tools
• special electro technical devices
• cable accessories

Furthermore we are also leading in the development and production of special plastic and metal parts for the automotive market and so an important partner of the biggest car and truck manufacturers worldwide.

Quality is never an accident but the result of advantageous application of a certified quality system: Our Company comply with the latest DIN EN ISO 9001:2015 , ISO/TS 16949:2009 and ISO 14001 International Standards. Constant internal and external audits help us to identify weaknesses and promote a continuous improvement in all the company processes.

Our tools are produced according to latest international IEC, DIN standards and are certified by independent, accredited German and Italian test institutes such us VDE, BG or CESI.

Our aim is a long lasting customer relation based on confidence. We daily try to recognize the demands and expectations of our customers to be able to fulfil them quickly and effectively but in any case to our customer's satisfaction. Further we satisfy the changing market needs by a constant improvement and development of our product range.

We are proud to be known as an expert and flexible partner on the international market.

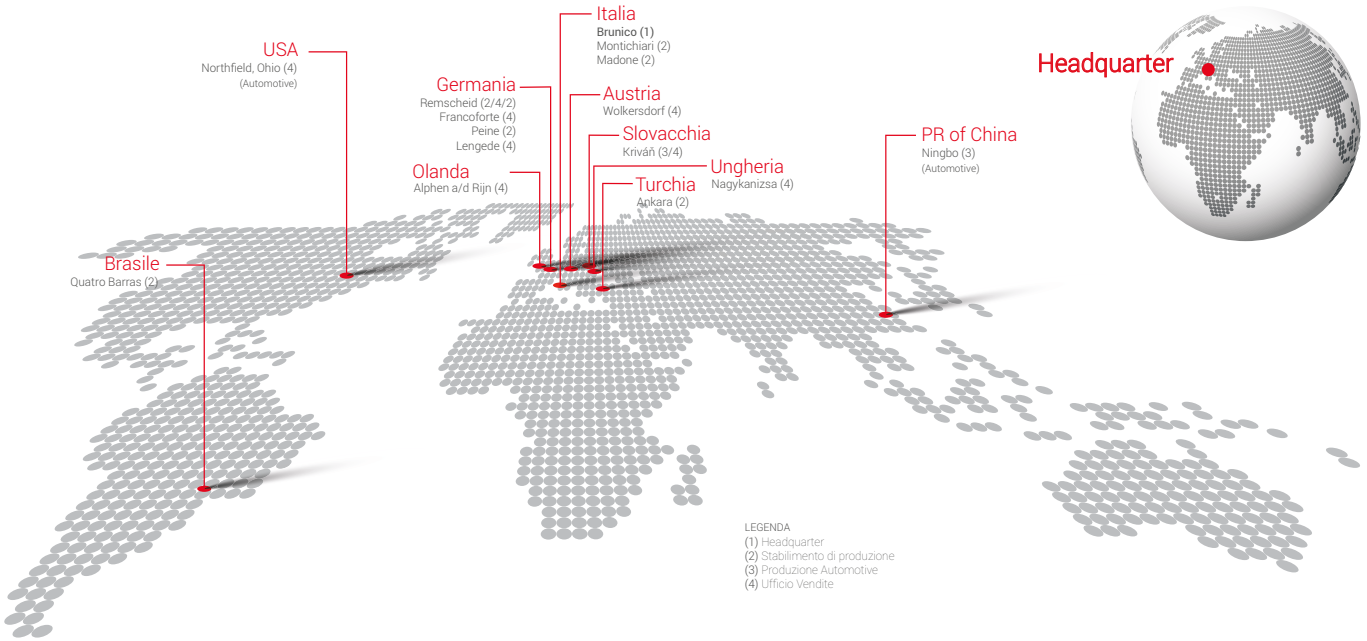
THE GROUP

We are stronger as a group!

Through our headquarters in Brunico/South Tyrol and locations in Italy, Germany, Slovakia, China, Turkey and Brazil, we supply customers in the automotive, power distribution, industrial and railway sectors.

As a modern, industrial group we strive for the optimum usage of synergies within the group.

intercable GROUP













1.000V voltage test

Assembling of hydraulic tools in the headquarter





Assembling of hydraulic tools in the headquarter

INTERCABLE STANDS FOR HIGH QUALITY

Products and service! An efficient organisation, as well as a quality management according to the EN ISO 9001 International Standards, guarantees optimum processes and continual improvement.
In-house design and production in Italy and Germany and full commitment of our highly trained personnel is our main recipe of success.



Assembling of hydraulic tools in the headquarter



TECHNOLOGY IS OUR PASSION

DIN EN ISO 9001: Reg.-Nr. 067378
ISO/TS 16949: Reg.-Nr. 067378

Our specialists set themselves a clear goal: provide workers in the electrical technology sector with the very best tools and equipment for performing their daily tasks.
Our own innovation department with its highest qualified experts and the latest technologies in the planning and construction sector is the assurance for our success and the continuous improvements.



product design award

QUALITY CERTIFICATIONS



Quality Management System ISO 9001:2015



Environmental Management System ISO 14001

Quality Certificates:

- IATF 16949
- DIN EN ISO 9001
- ISO 14001
- OHSAS 18001

Other Quality Certificates:

- VDE-/GS-Certifications

Active member of:

- CEI (Italian Electro Technical Commitee)
- UNI (Italian Standardisation Commitee)
- Working groups of the European and International Standardisation Commitee



STANDARD: IEC 60900

Live working or close to live parts working
- up to 1000V a.c. and 1500V d.c.

SAFETY TOOLS SUITABLE FOR
LIVE LINE WORKING ARE MARKED
WITH THE DOUBLE TRIANGLE

1000V
IEC 60900



QUALITY AND SAFETY TESTS

INSULATING HAND TOOLS

Made totally or essentially from insulating materials except for inserts made from conductive material (reinforcement purpose), but with no exposed conductive parts.

SCOPE: **Protection of users against electric shock and avoid short circuit between two parts of different potential**

INSULATED HAND TOOLS

Made of conductive material, fully or partially covered by insulating material

SCOPE: **Protection of users against electric shock**



TECHNICAL INSPECTIONS



DIELECTRIC TEST

10kV at 50Hz or 60Hz for 3min
Linked to following conditioning:
- Water bath 24h - after dry wiping dielectric test
- Wet chamber 48h (23°C ±5°C) - after dry wiping dielectric test

IMPACT TEST

- Ambient temperature impact test .....(23°C ±5°C / 2m)
- Low temperature impact test ..... (2h -25°C ±3°C / 0,6m)
- Extreme low temperature impact test ..... (2h -40°C ±3°C / 0,6m)

INTERNAL TESTING LABORATORY

- 3D-measuring systems
- 3D-videomeasuring systems (SmartScope)
- Hardness-testing systems
- Compression-tension testing machines (50 kN)
- Thermic chambers (until 300°C/-40°C to 180°C)
- Climate chamber (-70°C to 180°C / 0-99% humidity)
- High-tension testing devices (10 kV)
- High-current testing device up to 1.000 A
- Photomicrograph equipment (section analysis)
- Surface thickness measurement
- Coating testing device (high tension)
- Special ohmmeter
- Tightness test equipment
- Torque moment testing device
- Fischerscope X-ray
- Saltspray chamber

ADHESION TEST

a) of the insulation of the entire tool
  - 500N for 3min
  - handle must remain firmly on conducting part

b) of conducting adjusting or switching elements





Climate chamber

OUR QUALITY ASSURANCE PLAN

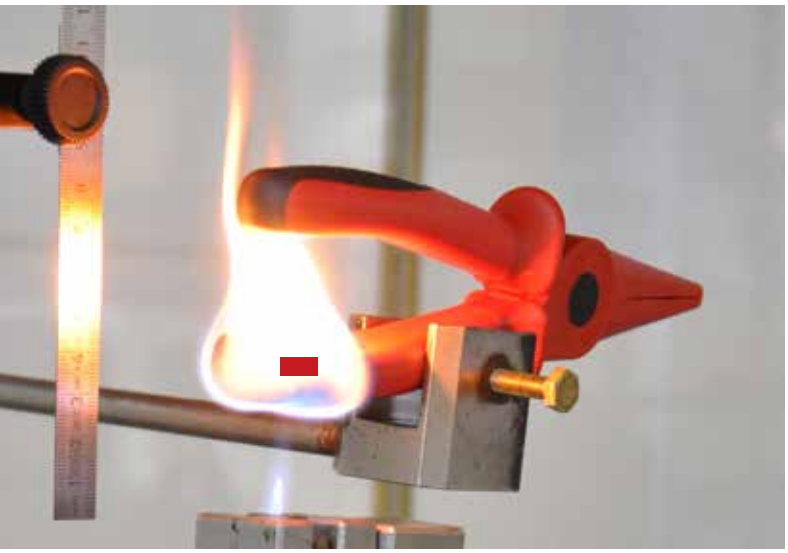
- Visual check
- Checking the compatibility of the tools for the final assembly
- Sampling tests
- Records
- Quality audits
- 100% dialectric 10kV for 10sec for every single tool that is marked 1000V


VDE Prüf- und Zertifizierungsinstitut

ZEICHENGENEHMIGUNG
MARKS APPROVAL

VDE

VDE - EN 60900 approval



FLAME RETARDANCY TEST

1. Step: yellow tipped blue flame of 20mm ± 2mm to be pointed for 10sec on the insulation
2. Step: withdrawn the flame and observe 20sec test piece
3. Step: test is passed if the flame height on the tool does not exceed 120mm during 20sec of observation period

INDENTATION TEST

Linked to following conditioning:

- Test pointing in horizontal conditions based on determined data (20N);
  The test is considered successful if no electrical puncture, sparkover of flashover occurs during test period. (5kV x 3min)



SAFETY HAND TOOLS
INSULATED SCREWDRIVERS
INSULATED PLIERS
MECHANICAL CUTTING TOOLS
INSULATED WRENCHES
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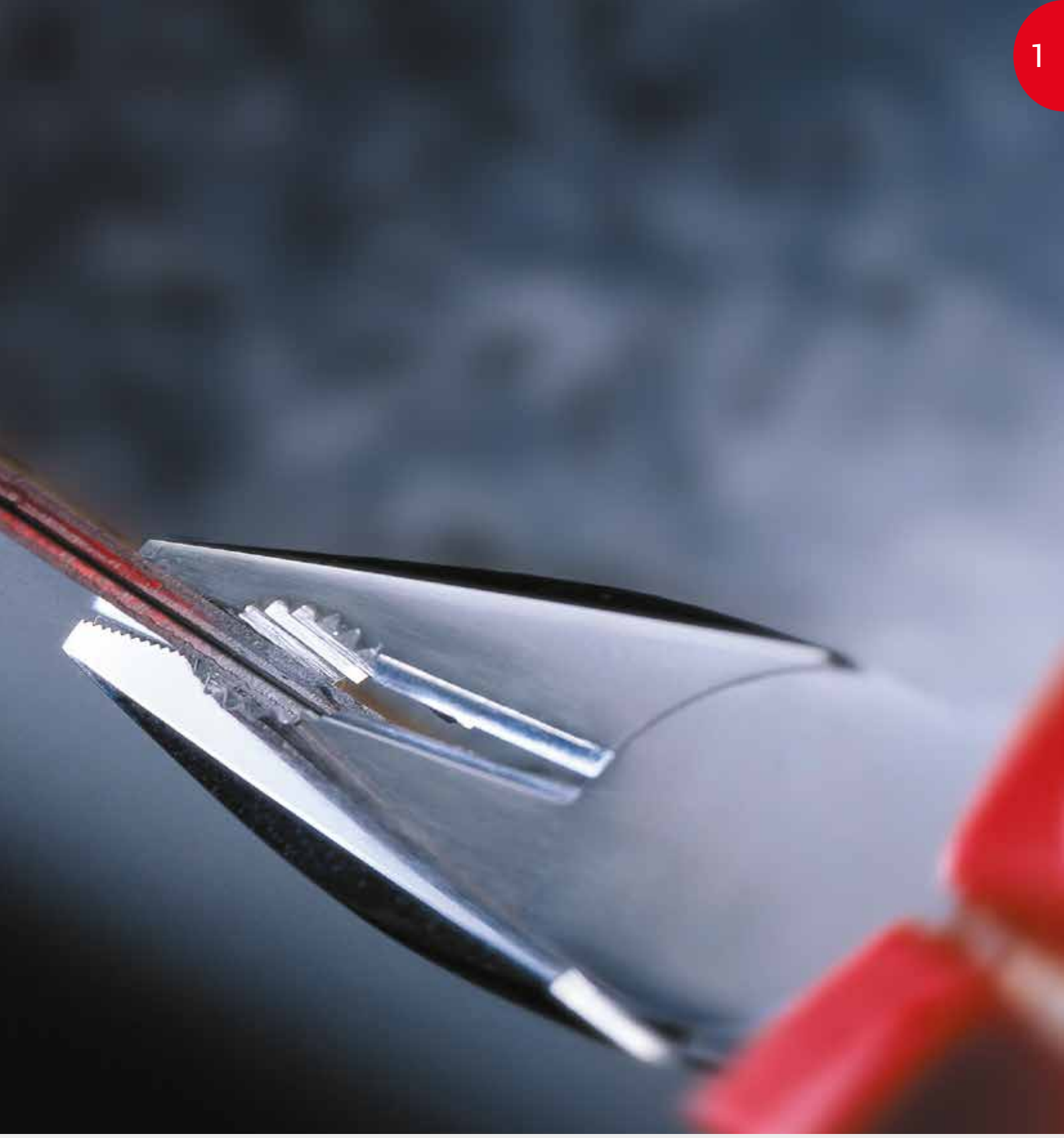
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Already fan of intercable ?





SAFETY HAND TOOLS

INSULATED SCREWDRIVERS
INSULATED PLIERS
MECHANICAL CUTTING TOOLS
INSULATED WRENCHES
MODULAR INSULATED HANDTOOLS
TOOL CASES AND EQUIPMENT

THE QUALITY AND THE UNIQUE INTERCABLE DESIGN!

The new series of SLIM screwdrivers is the result of extensive studies performed in cooperation with numerous electrical installers.

Standard:
VDE 0682 / 201

1000V IEC 60900

slim

Slim

Very thin insulated blade diameter for a smooth workability in limited space

Ergonomic

Handles in non-slip material, guarantees the maximum force application with minimum strain



Precision

Milled blade tip for a perfect fit and grip on the screw

Clear

Color coding with respective blade symbol under a transparent, impact-resistant plastic lens for fast and reliable tool determination

Identification lens for an easy choice of the proper screwdriver
Color codification:



For slotted head screws
yellow



For “Phillips”-head screws
red



For “Pozidriv®”-head screws
green



For hex socked-head screws
white



For hex-head screws
violet



For spherical hex socket-head screws
grey



For TORX® -head screws
blue



For combinated “Phillips”-head screws
red / yellow



For combinated “Pozidriv®”-head screws
green / yellow

TORX®

registred trademark of
CAMCAR TEXTRON,
Rockford, Illinois, USA



Screwdrivers for slotted head screws - FUTUR II

mm	mm	mm	mm	Order No.
2,5	75	0,4	175	1301025 *
3,0	100	0,5	200	1301030 *
3,5	100	0,6	200	1301035
4,0	100	0,8	200	1301040
4,5	125	1,0	230	1301045
5,5	125	1,0	230	1301055
6,5	150	1,2	255	1301065
8,0	175	1,2	290	1301080 *
10,0	200	1,6	320	1301100 *

- Blade in high resistance chromium-vanadium-molybdenum-steel, hardened, with surface burnish protection
- * NOT SLIM - Version



Screwdrivers for “Phillips” screws - FUTUR II

mm	mm	mm	Order No.
0	60	160	13020 *
1	75	175	13021
2	100	205	13022
3	150	265	13023 *
4	200	320	13024 *

- Blade in high resistance chromium-vanadium-molybdenum-steel, hardened, with surface burnish protection
- * NOT SLIM - Version



Screwdrivers for “Pozidriv®” screws - FUTUR II

mm	mm	mm	Order No.
0	60	160	13030 *
1	75	175	13031
2	100	205	13032
3	150	265	13033 *

- Blade in high resistance chromium-vanadium-molybdenum-steel, hardened, with surface burnish protection
- * NOT SLIM - Version

INSULATED SCREWDRIVERS



slim 1000V IEC 60900

Combination screwdriver “Phillips” - FUTUR II

mm	mm	mm	Order No.
⊕			
1	75	175	13131
2	100	205	13132

- For combined slotted-/intersecting slot screws in electrical systems
- Blade in high resistance chromium-vanadium-molybdenum-steel, hardened, with surface burnish protection



slim 1000V IEC 60900

Combination screwdriver “Pozidriv®” - FUTUR II

mm	mm	mm	Order No.
✳			
1	75	175	13141
2	100	205	13142

- For combined slotted-/intersecting slot screws in electrical systems
- Blade in high resistance chromium-vanadium-molybdenum-steel, hardened, with surface burnish protection



20 1000V IEC 60900

TORX® - Screwdriver - FUTUR II

mm	mm	mm	Order No.
✶			
10	60	160	1307010
15	75	175	1307015
20	75	180	1307020
25	75	180	1307025
30	100	215	1307030

- Blade in high resistance chromium-vanadium-molybdenum-steel, hardened, with surface burnish protection



Screwdriver for hexagon socket screws - FUTUR II

mm	mm	mm	Order No.
⬢			
2	60	160	1304020
2,5	75	175	1304025
3	75	180	1304030
4	75	180	1304040
5	75	190	1304050
6	100	215	1304060
8	100	220	1304080

- Blade in high resistance chromium-vanadium-molybdenum-steel, hardened, with surface burnish protection



Ball-Point screwdriver for hexagon socket screws

mm	mm	mm	Order No.
○			
2	100	200	1305020
2,5	100	200	1305025
3	100	205	1305030
4	100	205	1305040
5	100	215	1305050
6	125	230	1305060
8	150	270	1305080

- Blade in high resistance chromium-vanadium-molybdenum-steel, hardened, with surface burnish protection



Screwdriver for hexagon screws - FUTUR II

mm	mm	mm	Order No.
○			
4	125	225	1306040
5	125	225	1306050
5,5	125	225	1306055
6	125	230	1306060
7	125	230	1306070
8	125	230	1306080
9	125	230	1306090
10	125	240	1306100
11	125	240	1306110
12	125	240	1306120
13	125	240	1306130

- Blade in high resistance chromium-vanadium-molybdenum-steel, hardened, with surface burnish protection

INSULATED SCREWDRIVERS



1000V

Magazine screwdriver

Length	Order No.
230 mm	119300

- Bit Holder 1/4"; magnetic
- The transparent selection disc inside the handle prevents the bits from falling out of the magazine
- Includes 6 bits of the standard equipment (25 mm long) as shown in picture on the left
- Power grip: high-quality plastic, shock resistant, red, cadmium-free
- Bit sizes to 119300: Slot: 4.5 x 0.6 / 6.5 x 1.2 / 8.0 x 1.6
- Cross slot: PH 1 / PH 2 / PH



1000V IEC 60900

Phase screwdriver

mm	mm	mm	Order No.
3,0	65	140	AV6104
3,5	105	190	AV6105



Screwdriver set - Slotted/"Phillips" - head

Equipment	Order No.
1 Slotted head screwdriver 0,8 x 4 x 100 - **SLIM**	1399001
1 Slotted head screwdriver 1 x 5,5 x 125 - **SLIM**	
1 Screwdriver "Phillips" PH1 x 75 - **SLIM**	
1 Screwdriver "Phillips" PH2 x 100 - **SLIM**	

slim 1000V IEC 60900



Screwdriver set - "Phillips"

Equipment	Order No.
1 Screwdriver "Phillips" PH0 x 60	1399003
1 Screwdriver "Phillips" PH1 x 75 - **SLIM**	
1 Screwdriver "Phillips" PH2 x 100 - **SLIM**	

slim 1000V IEC 60900



Combination screwdriver set - "Phillips"

Equipment	Order No.
1 Combination screwdriver "Phillips" +- PH1 x 80 - **SLIM**	1399005
1 Combination screwdriver "Phillips" +- PH2 x 100 - **SLIM**	

slim 1000V IEC 60900

INSULATED SCREWDRIVERS



Screwdriver set - slotted head

Equipment	Order No.
1 Slotted head screwdriver 0,5 x 3 x 100	1399002
1 Slotted head screwdriver 0,8 x 4 x 100 - **SLIM**	
1 Slotted head screwdriver 1 x 5,5 x 125 - **SLIM**	
1 Slotted head screwdriverr 1,2 x 6,5 x 150 - **SLIM**	

slim 1000V IEC 60900



Screwdriver set - “Pozidriv®”

Equipment	Order No.
1 Screwdriver “Pozidriv®” PZ0 x 60	1399004
1 Screwdriver “Pozidriv®” PZ1 x 75 - **SLIM**	
1 Screwdriver “Pozidriv®” PZ2 x 100 - **SLIM**	

slim 1000V IEC 60900



Combination screwdriver set - “Pozidriv®“

Equipment	Order No.
1 Combination screwdriver “Pozidriv®” +- PZ1 x 80 - **SLIM**	1399006
1 Combination screwdriver “Pozidriv®” +- PZ2 x 100 - **SLIM**	

slim 1000V IEC 60900



Screwdriver set for hexagon screws

Dimensions	Order No.
270 x 195 x 35 mm	1399010

Equipment:
- 1 Hexagon screw - size 4 ..... 1306 040
- 1 Hexagon screw - size 5 ..... 1306 050
- 1 Hexagon screw - size 5,5 ..... 1306 055
- 1 Hexagon screw - size 6 ..... 1306 060
- 1 Hexagon screw - size 7 ..... 1306 070
- 1 Hexagon screw - size 8 ..... 1306 080
- 1 Hexagon screw - size 9 ..... 1306 090
- 1 Hexagon screw - size 10 ..... 1306 100
- 1 Hexagon screw - size 11 ..... 1306 110
- 1 Hexagon screw - size 12 ..... 1306 120
- 1 Hexagon screw - size 13 ..... 1306 130



Screwdriver set for hexagon socket screws

Dimensions	Order No.
290 x 165 x 35 mm	1399011

Equipment:
- 1 Hexagon socket screw - size 2 ..... 1304 020
- 1 Hexagon socket screw - size 2,5 ..... 1304 025
- 1 Hexagon socket screw - size 3 ..... 1304 030
- 1 Hexagon socket screw - size 4 ..... 1304 040
- 1 Hexagon socket screw - size 5 ..... 1304 050
- 1 Hexagon socket screw - size 6 ..... 1304 060
- 1 Hexagon socket screw - size 8 ..... 1304 080



Ball-Point screwdriver set for hexagon socket screws

Dimensions	Order No.
290 x 165 x 35 mm	1399012

Equipment:
- 1 Ball-Point screwdriver - size 2 ..... 1305 020
- 1 Ball-Point screwdriver - size 2,5 ..... 1305 025
- 1 Ball-Point screwdriver - size 3 ..... 1305 030
- 1 Ball-Point screwdriver - size 4 ..... 1305 040
- 1 Ball-Point screwdriver - size 5 ..... 1305 050
- 1 Ball-Point screwdriver - size 8 ..... 1305 080



TORX® - Screwdriver set

Dimensions	Order No.
290 x 165 x 35 mm	1399013

Equipment:
- 1 TORX® - Screwdriver - size 10 ..... 1307 010
- 1 TORX® - Screwdriver - size 15 ..... 1307 015
- 1 TORX® - Screwdriver - size 20 ..... 1307 020
- 1 TORX® - Screwdriver - size 25 ..... 1307 025
- 1 TORX® - Screwdriver - size 30 ..... 1307 030

INSULATED SCREWDRIVERS





Torque screwdriver set 0,8 - 5,0 Nm

Description	Order No.
Torque screwdriver set	1308804

Suitable for controlled fastening in the presence of live parts up to 1,000V AC, e.g. In case of switching devices.

Technical Characteristics:
- Insulation according IEC 60900/VDE0682/201
- Torque continually variable from 0,8 to 5,0 Nm
- Bit-holder with galvanic insulation
- Tested by VDE, ergonomically shaped handle

Set Equipment:
- 1 Torque screwdriver + insulated Bit-holder, T-adjusting tool 0,8 Nm 13085
- 1 Blade slotted screw 0,8 x 4 mm 1381040
- 1 Blade slotted screw 1,0 x 5,5 mm 1381055
- 1 Blade for screwdriver PH size 1 13821
- 1 Blade for screwdriver PH size 2 13822
- 1 Blade for screwdriver PZ size 1 13831
- 1 Blade for screwdriver PZ size 2 13832
- 1 Blade for screwdriver SW3,0..... 1384030
- 1 Blade for screwdriver SW4,0 1384040
- Plastic case with foam insert 1308800

*** Individual set-equipments on request**



Torque screwdriver set 0,8 - 5,0 Nm - ZAK1

Description	Order No.
Torque screwdriver set - ZAK1	1308808

Suitable for controlled fastening in the presence of live parts up to 1,000V AC, e.g. In case of switching devices.

Technical Characteristics:
- Insulation according IEC 60900/VDE0682/201
- Torque continually variable from 0,8 to 5,0 Nm
- Bit-holder with galvanic insulation
- Tested by VDE, ergonomically shaped handle

Set Equipment:
- 1 Torque screwdriver + insulated Bit-holder, T-adjusting tool 0,8 Nm 13085
- 1 Slim change bit Torx T10 1387010
- 1 Slim change bit Torx T15 1387015
- 1 Slim change bit Torx T25 1387025
- 1 Slim change bit plus/minus PZ1 13841
- 1 Slim change bit plus/minus PZ2 13842
- Nylon folding bag with velcro 1308800B

*** Individual set-equipments on request**



Torque screwdriver set 0,8 - 5,0 Nm - ZAK2

Description	Order No.
Torque screwdriver set - ZAK2	1308811

Suitable for controlled fastening in the presence of live parts up to 1,000V AC, e.g. In case of switching devices.

Technical Characteristics:
- Insulation according IEC 60900/VDE0682/201
- Torque continually variable from 0,8 to 5,0 Nm
- Bit-holder with galvanic insulation

Set Equipment:
- 1 Torque screwdriver + insulated Bit-holder, T-adjusting tool 0,8 Nm 13085
- 1 Slim change bit Torx T10 1387010
- Telescope plastic packaging

* Individual set-equipments on request



Adjusting tool Quickcheck

Description	Order No.
Adjusting tool Quickcheck	13091

Suitable for all torque screwdrivers that can be set to the test value of 2.8 Nm.

Technical Characteristics:
- Regular inspection of the torque tool guarantees safe and precise working with the correct torque value
- Quick and easy inspection of the torque tool due to its mobile, compact shape
- Test result can be quite clearly read at the LED light.



Grip 2 - 7 Nm

Description	Order No.
Grill 2 - 7 Nm	13090

Suitable for controlled fastening in the presence of live parts up to 1,000 V AC, to be used exclusively in combination with a SlimTorque VDE bit-holder for 6 mm SlimBits.

Technical Characteristics:
- Accuracy ±6%, traceable to national standards
- Insulation in accordance with IEC 60900/VDE0682/201 standard
- Infinitely adjustable torque from 2 - 7 Nm with setting tool Torque-Setter (included).
- Ergonomic multi-component handle, protective insulation 1000V AC, GS approved.
- Optimally matched to the torque range grip size.
- Click signal when reaching the set torque value.
- Compatible with all 138xxseries SLIM blades in combination with the bit-holder
- Bit-holder with galvanic isolation
- SlimTorque VDE bit holder (included) for 6 mm slim bits

Set Equipment:
- 1 Torque screwdriver 2 - 7 Nm
- 1 Insulated Bit-holder
- 1 T-adjusting tool

INSULATED SCREWDRIVERS



ISO 2380-1-2 (excluded AC1501, AC1503) UNI 10562-1-2

1000V IEC 60900

Screwdriver for slotted head screws - FUTUR

Description	Order No.	mm	mm	mm	mm
		◐	▭	⊖	▭
Screwdriver	AC1501	3,0	75	0,6	155
	AC1502	4,0	100	0,8	180
	AC1503	4,5	125	1,0	215
	AC1504	5,5	150	1,0	250
	AC1505	6,5	150	1,2	250
	AC1506	8,0	150	1,6	260
	AC1507	10,0	200	1,6	320

- Insulation of the blade and handles by shock–proof thermoplastic resin
- High resistance alloy, hardened steel with surface burnish protection
- Ergonomic handles for operations with maximum effort



ISO 8764-1-2
UNI ISO 8764-1-2

1000V IEC 60900

Screwdriver for Phillips screws - FUTUR

Description	Order No.	mm	mm	mm
		⊕	▭	▭
Screwdriver	AC1600	0	60	140
	AC1601	1	80	170
	AC1602	2	100	200
	AC1603	3	150	260
	AC1604	4	200	320

- Insulation of the blade and handles by shock–proof thermoplastic resin
- High resistance alloy, hardened steel with surface burnish protection
- Egonomic handles for operations with maximum effort



ISO 8764-1-2
UNI ISO 8764-1-2

Screwdriver for Pozidriv® screws - FUTUR

Description	Order No.	mm	mm	mm
		⊛	▭	▭
Screwdriver	AC1610	0	60	140
	AC1611	1	80	170
	AC1612	2	100	200
	AC1613	3	150	260
	AC1614	4	200	320

- Insulation of the blade and handles by shock–proof thermoplastic resin
- High resistance alloy, hardened steel with surface burnish protection
- Ergonomic handles for operations with maximum effort



1000V IEC 60900

Set - screwdrivers - FUTUR

Description	Order No.	dimensions	-
Set - screwdrivers	AS2001	112 x 345 mm	-

• Screwdriver for slotted head screws:

Equipment:
• 0.6 x 3 x 75 mm AC1501
• 0.8 x 4 x 100 mm AC1502
• 1.0 x 5.5 x 150 mm AC1504
• 1.6 x 8 x 150 mm AC1506



1000V IEC 60900

Set - screwdrivers - FUTUR

Description	Order No.	dimensions	-
Set - screwdrivers	AS2002	95 x 285 mm	-

• Screwdriver for Phillips screws:

Equipment:
• "Phillips" PH0 x 60 mm AC1600
• "Phillips" PH1 x 80 mm AC1601
• "Phillips" PH2 x 100 mm AC1602



1000V IEC 60900

Set - screwdrivers - FUTUR

Description	Order No.	dimensions	-
Set - screwdrivers	AS2003	132 x 335 mm	-

Equipment:
• Screwdriver for slotted head screws:
• 0.6 x 3 x 75 mm AC1501
• 0.8 x 4 x 100 mm AC1502
• 1.0 x 5.5 x 150 mm AC1504

• Screwdriver for Phillips screws:
• "Phillips" PH1 x 80 mm AC1601
• "Phillips" PH2 x 100 mm AC1602



1000V IEC 60900

Set - screwdrivers - FUTUR

Description	Order No.	dimensions	-
Set - screwdrivers	AS2004	112 x 345 mm	-

• Screwdriver for Pozidriv® screws:

Equipment:
• "Pozidriv®" PZ0 x 60 mm AC1610
• "Pozidriv®" PZ1 x 80 mm AC1611
• "Pozidriv®" PZ2 x 100 mm AC1612

THE QUALITY AND THE UNIQUE INTERCABLE DESIGN!

This new series of PLIERS is the result of extensive studies performed in cooperation with numerous electrical installers.

Standards:
ISO 5746
UNI 9894
VDE 0682-201

1000V IEC 60900

Slim

Makes it easier for working in hard-to-reach areas

Resistant

Blank produced from high alloy tool steel, cutting edges specially hardened, chrome-plated surface

Powerful

Extra long cutting edges for large cable cross sections, suitable for cutting soft and hard wire, as well as piano wire



Smooth

One-hand operation due to a special, smooth-running joint

Ergonomic

The ergonomic handle guarantees the maximal application of the force with a minimum of labor

Environmentally friendly

Skin-friendly, special plastic material free of cadmium and heavy metals



1000V IEC 60900

Engineers pliers 2K

Description	Order No.	Length
Engineers pliers 2K	1201160	160 mm
	1201180	180 mm
	1201200	200 mm

• Head laterally rounded



1000V IEC 60900

Telephone pliers with straight jaws 2K

Description	Order No.	Length
Telephone pliers with straight jaws 2K	1203160	160 mm
	1203200	200 mm

• For cutting soft and medium hard wires



1000V IEC 60900

Telephone pliers with bent jaws 2K

Description	Order No.	Length
Telephone pliers with bent jaws 2K	1204160	160 mm
	1204200	200 mm

• Head laterally rounded



1000V IEC 60900

Flat nose pliers 2K

Description	Order No.	Length
Flat nose pliers 2K	1206160	160 mm

INSULATED PLIERS



1000V IEC 60900

Round nose pliers 2K

Description	Order No.	Length
Round nose pliers 2K	1207160	160 mm



1000V IEC 60900

Wire stripper 2K

Description	Order No.	Length
Wire stripper 2K	1205160	160 mm

- With locking screw and opening spring
- For cables from 0,75 to 6 mm²



1000V IEC 60900

Side cutter 2K

Description	Order No.	Length
Side cutter 2K	1202160	160 mm

- Very slim design with dropped forged head
- For cutting hard and soft wire



1000V IEC 60900

Pipe wrench 2K

Description	Order No.	Length
Pipe wrench 2K	1110250	240 mm

- Adjustable (7 different positions)
- Chrome-Vanadium

INSULATED PLIERS OF INTERCABLE ISOPLUS

1000V IEC 60900

THE QUALITY AND DISTINCTIVE DESIGN OF INTERCABLE guarantees the maximum degree of ergonomics and the highest level of safety

These pliers are made entirely of shock-resistant plastic with excellent insulation and mechanical properties and can be used even at very low temperatures down to -40 ° C. The completely insulated headboard and the jaws are insulated from each other to prevent the danger of a short-circuit during their use.

The benefit of the pliers is on the contrary to conventional metal models with a weight reduction of approx. 30-40%. All Intercable insulated pliers comply with applicable regulations and are approved by an accredited laboratory.
Special custom-made heads on request.



2 in 1

- Gripping surface with 3 indentations for various cable diameters
- Cutting inserts

Powerful

Cutting inserts made of high-strength special steel, hardened and also suitable for cutting hard steel wire.

The highest level of safety

Completely made of impact-resistant, glass fibre-reinforced plastic, no metal parts in contact zones

Ergonomic

The ergonomic handle guarantees the maximal application of the force with a minimum of labor

INSULATED PLIERS



Insulating gripping pliers ISOplus 2K

Description	Order No.	Length
Insulating gripping pliers ISOplus 2K	11091	180 mm

- Gripping surface with 8 indentations for various cable diameters
- No exposed metal parts



Engineers pliers ISOplus 2K

Description	Order No.	Length
Engineers pliers ISOplus 2K	11092	190 mm

- Extra long blades
- Corrosion protection treatment of the cutting edges
- For copper and aluminium cables with maximum 16 mm²
- Gripping surface with 3 indentations for various cable diameters



Cable cutter D15 ISOplus 2K

Description	Order No.	Length
Cable cutter D15 ISOplus 2K	11094	170 mm

- For cutting flexible Al and Cu conductors up to 50 mm²
- High cutting capacity for the smallest dimensions
- Blades induction hardened



Insulating telephone pliers ISOplus 2K

Description	Order No.	Length
Insulating telephone pliers D15 ISOplus 2K	11095	200 mm

- Gripping surface toothed
- Thin head for operation in restricted places
- No exposed metal parts

CABLE CUTTER AND CRIMPER ELECTRICIAN SCISSORS



Special blade design:
to cut and strip cables



To cut Cu/Al cables
up to 50 mm²



Special slot to crimp
(0,5 - 4 mm²)

Strip

easy to strip of cables due to unique shape



Cut

non slip blade with micro-indentations
heavy duty stainless steel blades

Durable

possibility to readjust the tool to
avoid the natural wear

Suitable

2 component handle for a
perfect grip to ensure the
best cutting performance

Crimp

crimping of terminal-sleeves
from 0,5 up to 4mm²



Cable cutter and crimper electrician scissor 2K + Safetybox

Description	Order No.	Blade	Length
Scissor with Safetybox	16020-F1	straight	160 mm

- To cut Cu/Al cables up to 50 mm²
- With slot to crimp insulated or non insulated end sleeves from 0,5 to 4 mm²
- Blades with optimized teeth
- High cutting performance
- Loose-free screw/pin hinge
- 2 component handle

Attention: Not suitable for work under voltage!

MECHANICAL CUTTING TOOLS



Special electricians' scissors

Description	Order No.	Blade	Length
Special scissors	16011	straight	140 mm

- Loose-free screw/pin fixing
- High cutting performance
- Blades with micro-toothing

Attention: Not suitable for work under voltage!



Special electricians' scissors 2K

Description	Order No.	Blade	Length
Special scissors	16012	straight	140 mm

- 2-component handles
- High cutting performance
- Blades with optimized teeth
- Loose-free screw/pin fixing

Attention: Not suitable for work under voltage!



Cable cutter scissors + safety box and Voltage tester

Description	Order No.
1 Cable scissors - 16020-F1 1 Voltage tester	16020-CF1

- Voltage range: 50 - 600 VAC, 50 - 60 Hz
- Voltage display: optical and acoustic signal
- Application range: 0 - 50°C

Suitable for determining the voltage without contact





Safetybox

Description	Order No.
Safetybox empty for model 1601 1, 1601 2, 1602 0, 1604 0	16029





- Universal cutting blade

CA 1000V EN/IEC60900:2004

Universal knife with clappable blade protection

Description	Order No.	Blade	Length
Cable knife	AV3910	interch. 50 mm	185 mm
Spare blade	AV3911	-	50 mm

- 1000V insulated tool
- With replaceable standard blade (thickness 0,65 mm)
- Made of shock-proofed material
- Integrated, captive blade guard





- Special stripping blade shape
- Special blade grinding suitable for stripping cable without damaging the individual wires

CA 1000V IEC 60900

Cable stripping knife with clappable blade protection

Description	Order No.	Blade	Length
Cable knife	AV3920	interch. 50 mm	185 mm
Spare blade	AV3921	-	50 mm

- 1000V insulated tool
- Specially hardened blade suitable for stripping cables
- With replaceable solid blade and insulated blade-back
- Made of shock-proofed material
- Integrated, captive blade guard





- Special blade grinding suitable for stripping cable without damaging the
- Individual wires
- Insulating blade with a very long
- service life

CA 1000V IEC 60900

Special cable stripping knife with ceramic blade

Description	Order No.	Blade	Length
Cable knife	AV3930	fixed 46 mm	185 mm

- 1000V insulated tool
- Integrated, captive blade guard
- High cutting capacity

No replacing blade



CA 1000V IEC 60900

Cable stripping knife with safety cap

Description	Order No.	Blade	Length
Cable knife	288700	fixed 47 mm	175 mm

- Special blade with guide blade prevents damage of conductor strands
- For removal of insulation and sheath
- Blade and blade back sharpened
- Blade of tempered stainless steel
- Insulation of tough non-brittle plastic

MECHANICAL CUTTING TOOLS



C 1000V EN/IEC60900:2004

Insulated electrician's shears 2K

Description	Order No.	Length	Weight
Electrician shears	16032	180 mm	100 g

- Adjustable screwjoint
- High cutting performance
- Surface treatment: burnished and polished
- 2-component-handles



C 1000V EN/IEC60900:2004

Side cutter 2K

Description	Order No.	Length	Weight
Side cutter 2K	1202160	160 mm	208 g

- Very slim design of the head with pronounced tip shape
- For cutting hard and soft wire
- Induction hardened precision cutting
- High cutting performance
- 2-component impact resistant insulated handles



C 1000V EN/IEC60900:2004

Cable cutter D17 2K

APPLICATION RANGE	max. 50 mm²
SUGGESTED APPLICATION	Copper and Aluminium

Description	Order No.	Length	Weight
Cable cutter D17	1602160	160 mm	218 g

- High cutting capacity for the smallest dimensions
- With adjustable screw joint
- Special tool steel with chrome finish
- Handles of impact resistant plastic in 2-component-design
- Jaw opening: 17 mm



C 1000V EN/IEC60900:2004

Cable cutter D22 2K

APPLICATION RANGE	Ø 25 mm / 80 mm²
SUGGESTED APPLICATION	Copper and Aluminium

Description	Order No.	Length	Weight
Cable cutter D22	1602200	200 mm	345 g

- With break down and resaw (1st and 2nd cutting edge)
- High cutting capacity for the smallest dimensions
- Easy and clean cut with single hand use
- With adjustable screw joint
- Special tool steel with chrome finish
- Handles of impact resistant plastic in 2-component-design



MultiCutter 3 in 1

Description	Order No.	Length	Weight
MultiCutter 3 in 1	MSA180	185 mm	0,270 kg

- Multifunctional cable shears off wire and cut
- Stripper: Cable Ø < 11 mm
- Soft wire < Ø 6 mm,
- Hard wire < Ø 2 mm,
- Inductively hardened cutting edges
- Ergonomic grip
- Stripping (dismantling): Cable Ø 5 - 16 mm, 3 x 1,5 mm² < 5 x 1,5 mm²
- Stripping (insulation): Cable < Ø 5 mm

Attention: Not suitable for work under voltage!



Wire cutter

Description	Order No.	Length	Weight
Wire cutter	MKS200	200 mm	0,330 kg

- Precision cutter for piano wire 62 HRC
- Cutting length: 24 mm
- Special tool steel, oil-hardened
- Leverage, thus 40% power savings

Attention: Not suitable for work under voltage!

MECHANICAL CUTTING TOOLS



ISO 5746

1000V IEC 60900

Engineers pliers

Description	Order No.	Length blank	Weight
Engineers pliers	AP0116N	160 mm	210 g
Engineers pliers	AP0119N	180 mm	240 g

- For cutting soft and medium hard wires
- High resistant gripping surface



ISO 5749

1000V IEC 60900

Diagonal cutting nipper

Description	Order No.	Length blank	Weight
Diagonal cutting nipper	AP0616N	160 mm	190 g

- For cutting soft and medium hard wires



ISO 5745

1000V IEC 60900

Telephone pliers with straight jaws

Description	Order No.	Length blank	Weight
Telephone pliers	AP0416N	160 mm	160 g
Telephone pliers	AP0420N	200 mm	190 g

- For cutting soft and medium hard wires
- Toothed gripping surface



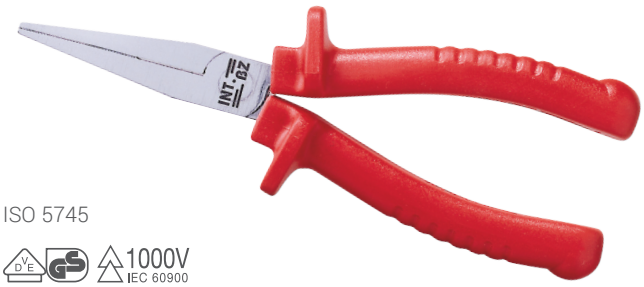
ISO 5745

1000V IEC 60900

Telephone pliers with bent jaws

Description	Order No.	Length blank	Weight
Flat nose pliers	AP0516N	160 mm	155 g
Flat nose pliers	AP0520N	200 mm	195 g

- For cutting soft and medium hard wires
- Toothed gripping surface



ISO 5745

1000V IEC 60900

Flat nose pliers

Description	Order No.	Length blank	Weight
Flat nose pliers	AP0216N	160 mm	160 g

• Toothed gripping surface



ISO 5745

1000V IEC 60900

Round nose pliers

Description	Order No.	Length blank	Weight
Round nose pliers	AP0316N	160 mm	160 g

• Toothed gripping surface



ISO 5745

1000V IEC 60900

Set - pliers and cable cutter

Description	Order No.	Length blank	Weight
Set	AS1001	240 x 260mm	-

• 1 engineers pliers 180mm AP0119N
• 1 diagonal cutting nipper 160mm AP0616N
• 1 telephone pliers with straight jaws AP0420N
• 1 cable cutter AP1017

INSULATED WRENCHES



1000V IEC 60900

Insulated adjustable wrench

Description	Order No.	Opening	Length	Weight
Adjustable wrench	151904	0 - 13 mm	110 mm	140 g
	151906	0 - 20 mm	130 mm	190 g
	151908	0 - 27 mm	210 mm	260 g
	151910	0 - 30 mm	260 mm	400 g
	151912	0 - 34 mm	310 mm	870 g
	151915	0 - 44 mm	360 mm	1230 g
	151918	0 - 53 mm	450 mm	1900 g

- Read off scale for jaw opening
- Hardened and tempered alloy steel
- Dip insulation
- Shockproof resin insulation
- Not recommended for working on live parts



1000V IEC 60900

Insulated open-end wrench

Description	Order No.	Size	Length	Weight
Open-end wrench	151306	6	76 mm	20 g
	151307	7	82 mm	20 g
	151308	8	96 mm	20 g
	151309	9	105 mm	24 g
	151310	10	110 mm	29 g
	151311	11	115 mm	33 g
	151312	12	130 mm	44 g
	151313	13	137 mm	48 g
	151314	14	140 mm	54 g
	151315	15	150 mm	58 g
	151316	16	160 mm	70 g
	151317	17	161 mm	84 g
	151318	18	163 mm	100 g
	151319	19	175 mm	105 g
	151320	20	172 mm	149 g
	151321	21	200 mm	159 g
	151322	22	200 mm	192 g
	151324	24	220 mm	242 g
	151327	27	242 mm	322 g
	151330	30	285 mm	343 g
	151332	32	280 mm	500 g
	151334	34	280 mm	500 g
	151336	36	310 mm	575 g

- Hardened and tempered alloy steel
- Dip insulation
- Shockproof resin insulation



1000V IEC 60900

Insulated 12-point wrench

Description	Order No.	(12) Size	Length	Weight
12-point wrench	161306	6	146 mm	41 g
	161307	7	151 mm	50 g
	161308	8	159 mm	62 g
	161309	9	157 mm	68 g
	161310	10	179 mm	84 g
	161311	11	183 mm	90 g
	161312	12	195 mm	106 g
	161313	13	188 mm	113 g
	161314	14	197 mm	135 g
	161315	15	191 mm	160 g
	161316	16	218 mm	175 g
	161317	17	204 mm	205 g
	161318	18	236 mm	227 g
	161319	19	240 mm	296 g
	161320	20	250 mm	300 g
	161321	21	264 mm	305 g
	161322	22	255 mm	308 g
	161324	24	268 mm	422 g
	161327	27	290 mm	455 g
	161330	30	272 mm	561 g
	161332	32	317 mm	646 g
	161334	34	322 mm	1060 g
	161336	36	306 mm	1060 g

- Hardened and tempered alloy steel
- Dip insulation
- Shockproof resin insulation



1000V IEC 60900

Insulated 90° bent 12-point wrench

Description	Order No.	(12) Size	Dimensions	Weight
90° bent 12-point wrench	161410	10	70 x 190 mm	100 g
	161412	12	70 x 195 mm	100 g
	161413	13	70 x 215 mm	180 g
	161414	14	80 x 245 mm	220 g
	161417	17	90 x 245 mm	240 g
	161418	18	90 x 245 mm	240 g
	161419	19	95 x 245 mm	240 g
	161420	20	100 x 250 mm	280 g
	161422	22	100 x 250 mm	280 g
	161424	24	100 x 250 mm	280 g
	161430	30	110 x 260 mm	470 g

- Hardened and tempered alloy steel
- Dip insulation
- Shockproof resin insulation
- For nuts placed in hard-to-get-at positions

INSULATED WRENCHES



1000V IEC 60900

Insulated hex socket T-wrench

Description	Order No.	Size	Dimensions	Weight
Hex socket T-wrench 200mm shank length	137410	10	160 x 200 mm	310 g
	137411	11	160 x 200 mm	330 g
	137412	12	160 x 200 mm	350 g
	137413	13	160 x 200 mm	360 g
	137414	14	160 x 200 mm	440 g
	137416	16	160 x 200 mm	450 g
	137417	17	160 x 200 mm	450 g
	137418	18	160 x 200 mm	470 g
	137419	19	160 x 200 mm	510 g
	137420	20	160 x 200 mm	510 g
	137422	22	160 x 200 mm	520 g
	137424	24	160 x 200 mm	540 g

- 200 mm shank length
- Hardened and tempered alloy steel
- Dip insulation
- Shockproof resin insulation



1000V IEC 60900

Insulated hex socket T-wrench long

Description	Order No.	Size	Dimensions	Weight
Hex socket T-wrench 300mm shank length	138410	10	160 x 300 mm	370 g
	138411	11	160 x 300 mm	380 g
	138412	12	160 x 300 mm	400 g
	138413	13	160 x 300 mm	420 g
	138414	14	160 x 300 mm	470 g
	138416	16	160 x 300 mm	520 g
	138417	17	160 x 300 mm	520 g
	138418	18	160 x 300 mm	560 g
	138419	19	160 x 300 mm	560 g
	138420	20	160 x 300 mm	600 g
	138422	22	160 x 300 mm	600 g
	138424	24	160 x 300 mm	660 g

- 300 mm shank length
- Hardened and tempered alloy steel
- Dip insulation
- Shockproof resin insulation



1000V IEC 60900

Insulated cross wrench

Description	Order No.	Size	Dimensions	Weight
Cross wrench	121401	10 11 14 17	140 x 140 mm	220 g
	121402	10 12 14 17	140 x 140 mm	220 g
	121403	11 12 13 17	140 x 140 mm	220 g
	121404	10 13 14 17	140 x 140 mm	230 g
	121405	11 13 14 17	140 x 140 mm	230 g
	121406	13 17 19 22	140 x 140 mm	340 g
	121407	14 17 19 22	140 x 140 mm	360 g
	121408	10 11 12 13	140 x 140 mm	200 g
	121409	10 11 13 17	140 x 140 mm	220 g

- Hardened and tempered alloy steel
- Dip insulation
- Shockproof resin insulation



1000V IEC 60900

Insulated 90° hex wrench

Description	Order No.	Size	Dimensions	Weight
90° hex wrench	116325	2,5	35 x 104 mm	30 g
	116303	3	35 x 104 mm	31 g
	116304	4	35 x 104 mm	34 g
	116305	5	35 x 106 mm	36 g
	116306	6	40 x 110 mm	46 g
	116308	8	45 x 120 mm	80 g
	116310	10	50 x 120 mm	125 g

- Hardened and tempered alloy steel
- Shockproof resin insulation



1000V IEC 60900

Insulated 90° hex wrench heavy duty

Description	Order No.	Size	Dimensions	Weight
90° hex wrench heavy duty	116505	5	35 x 150 mm	75 g
	116506	6	40 x 150 mm	88 g

- Hardened and tempered alloy steel
- Shockproof resin insulation



1000V IEC 60900

Insulated hex T-wrench light-weight

Description	Order No.	Size	Dimensions	Weight
Hex T-wrench light-weight	117325	2,5	95 x 115 mm	80 g
	117303	3	95 x 115 mm	80 g
	117304	4	95 x 115 mm	80 g
	117305	5	95 x 115 mm	80 g
	117306	6	95 x 115 mm	90 g

- Hardened and tempered alloy steel
- Shockproof resin insulation



1000V IEC 60900

Insulated hex T-wrench heavy duty

Description	Order No.	Size	Dimensions	Weight
Hex T-wrench heavy duty	117504	4	95 x 160 mm	105 g
	117505	5	95 x 160 mm	105 g
	117506	6	95 x 160 mm	110 g
	117508	8	95 x 160 mm	115 g
	117510	10	95 x 160 mm	120 g
	117513	13	95 x 160 mm	145 g

- Hardened and tempered alloy steel
- Shockproof resin insulation

INSULATED WRENCHES



1000V IEC 60900

Insulated hex T-wrench small

Description	Order No.	Size	Dimensions	Weight
Hex T-wrench small	117973	5	70 x 120 mm	80 g

- Hardened and tempered alloy steel
- Shockproof resin insulation



1000V IEC 60900

Insulated hex T- wrench long

Description	Order No.	Size	Dimensions	Weight
Hex T-wrench long	117972	5	90 x 200 mm	105 g
	117970	6	90 x 200 mm	105 g

- Hardened and tempered alloy steel
- Shockproof resin insulation



1000V IEC 60900

Insulated hex T-wrench extra long

Description	Order No.	Size	Dimensions	Weight
Hex T- wrench extra long	117335	5	90 x 240 mm	100 g
	117336	6	90 x 240 mm	115 g
	117338	8	90 x 240 mm	130 g
	117331	10	90 x 240 mm	115 g

- Hardened and tempered alloy steel
- Shockproof resin insulation

INTERCABLE MODULAR INSULATED HANDTOOLS 1000V

1000V IEC 60900

Tools made of shockproof insulated material

Standards:
ISO 1174-1
DIN 3120

Tools are suitable for very low temperature use: down to -40°C

Interchangeable
Guarantees compatibility with tools of various manufacturers, insofar as the inner square follows ISO Standard 117401-1



Square connection, size 1/2" or 3/8" in compliance with ISO 1174-1 Standards

intercable Locking System

Patented lock device (Intercable Locking System) that ensures a coupling in compliance with IEC 60900 Standards for any bush carrying a square fitting according to ISO 1174 DIN 3120 Standards



DIN7436

Insulated T-wrench

Description	Order No.	Dimensions	Weight
T-wrench Size 3/8"	15012	210 x 160 mm	240 g
T-wrench Size 1/2"	15011	195 x 160 mm	340 g

- Lock device can be actuated by a single hand
- Two-component insulation with excellent grip handle
- Square connection in compliance with ISO1174 DIN 3120 Standards



DIN7449

Insulated reversible ratchet wrench

Description	Order No.	Dimensions	Weight
Ratchet wrench Size 3/8"	15022	200 x 65 mm	250 g
Ratchet wrench Size 1/2"	15021	260 x 75 mm	525 g

- Lock device can be actuated by a single hand
- Two-component insulation with excellent grip handle
- Reverse commutator
- Square connection in compliance with ISO1174 DIN 3120 Standards



Insulated torque wrench

Description	Order No.	Torque	Dimensions	Weight
Torque wrench Size 3/8"	1508008	8 Nm	110 x 160 mm	400 g
	1508010	10 Nm	140 x 160 mm	400 g
	1508012	12 Nm	140 x 160 mm	400 g
	1508015	15 Nm	140 x 160 mm	400 g
	1508020	20 Nm	140 x 160 mm	400 g
	1508025	25 Nm	140 x 160 mm	400 g
Torque wrench Size 1/2"	AC3708	8 Nm	110 x 160 mm	560 g
	AC3710	10 Nm	140 x 160 mm	560 g
	AC3712	12 Nm	140 x 160 mm	560 g
	AC3715	15 Nm	140 x 160 mm	560 g
	AC3720	20 Nm	140 x 160 mm	560 g
	AC3725	25 Nm	140 x 160 mm	560 g

- Fixed adjusted torque in compliance with EN26789 (±6% tolerance from rated value)
- Lock device can be actuated by a single hand
- Square connection in compliance with ISO1174 DIN3120 in sizes 3/8" and 1/2"

INSULATED TORQUE HANDLES — SERIES 3/8" AND 1/2"



1000V IEC 60900 intercable Locking System

Insulated torque limiter (with galvanic separation)

Description	Order No.	Torque	Dimensions	Weight
Torque limiter Size 3/8"	1509007	7 Nm	37 x 152 mm	430 g
	1509008	8 Nm	37 x 152 mm	430 g
	1509010	10 Nm	37 x 152 mm	430 g
	1509012	12 Nm	37 x 152 mm	430 g
	1509015	15 Nm	37 x 152 mm	430 g
	1509020	20 Nm	37 x 152 mm	430 g
	1509025	25 Nm	37 x 152 mm	430 g
Torque limiter Size 1/2"	AC3807	7 Nm	37 x 154 mm	460 g
	AC3808	8 Nm	37 x 154 mm	460 g
	AC3810	10 Nm	37 x 154 mm	460 g
	AC3812	12 Nm	37 x 154 mm	460 g
	AC3815	15 Nm	37 x 154 mm	460 g
	AC3820	20 Nm	37 x 154 mm	460 g
	AC3825	25 Nm	37 x 154 mm	460 g

- Torque limitation switch in compliance with EN 6789
- Lock device can be actuated by a single hand
- Square connection in compliance with ISO1174 DIN3120 in sizes 3/8" and 1/2"
- Insulation according to EN 60900
- Galvanic isolation



1000V IEC 60900

Insulated adjustable torque ratchet

Description	Order No.	Torque	Dimensions	Weight
Torque ratchet Size 3/8"	131937	10-50 Nm	75 x 280 mm	700 g
	131938	10-50 Nm	75 x 350 mm	900 g
Torque ratchet Size 1/2"	131911	10-50 Nm	75 x 280 mm	700 g
	131912	10-50 Nm	75 x 350 mm	1000 g
	131931	30-130 Nm	75 x 465 mm	1300 g

- Made of alloyed and hardened steel
- Anticlockwise rotation without limitation
- Adjustable torque
- Professional multi-coated insulation
- When adjusted setting is achieved, the ratchet head drops sideways with a haptic and acoustic feedback
- Please observe operating instructions
- Suitable for all types of screwdriver heads
- Adjustment tolerance can be ± 10% of the nominal value



1000V IEC 60900

Insulated adjustable torque ratchet

Description	Order No.	Torque	Dimensions	Weight
Torque ratchet Size 3/8"	131915	5-50 Nm	84 x 370 mm	500 g
Torque ratchet Size 1/2"	131913	5-50 Nm	84 x 370 mm	900 g
	131918	40-220 Nm	84 x 555 mm	1500 g

- Made of alloyed and hardened steel
- Anticlockwise rotation without limitation
- Adjustable torque
- Professional multi-coated insulation
- When adjusted setting is achieved, the ratchet head drops sideways with a haptic and acoustic feedback
- Please observe operating instructions
- Suitable for all types of screwdriver heads
- Adjustment tolerance can be ± 10% of the nominal value



1000V IEC 60900

intercable Locking System

DIN7434

Insulated extension bar

Description	Order No.	Length	Weight
Extension bar Size 3/8"	15032125 15032250	125 mm 250 mm	140 g 300 g
Extension bar Size 1/2"	15031125 15031250	125 mm 250 mm	200 g 400 g

- Made of alloyed steel
- Fixing of inserts by expanding ball
- Expanding ball bearings by means of threaded pin
- Insulation of shock proof plastic
- Suitable for all types of screwdriver heads
- Patented lock device that guarantees a coupling in compliance with DIN
- IEC 60900, Standards for any brush carrying a square fitting according to ISO-DIS 1174-1/DIN 3120 Standard.



1000V IEC 60900

intercable Locking System

Insulated special reducer 1/2" to 3/8"

Description	Order No.	Length	Weight
Special reducer	15031238	125 mm	145 g

- Reducer from 1/2" to 3/8"
- Lock device actuated by a single hand
- Square connection in compliance with ISO1174 DIN 3120 Standards



1000V IEC 60900

Insulated special enlarger 3/8" to 1/2"

Description	Order No.	Length	Weight
Special enlarger	132238	125 mm	100 g

- Enlarger from 3/8" to 1/2"
- Dip Insulation



1000V IEC 60900

Insulated cross socket tool for 4 inserts

Description	Order No.	Dimensions	Weight
Cross socket tool Size 3/8"	121400	150 x 150 mm	180 g
Cross socket tool Size 1/2"	121399	150 x 150 mm	340 g

- Square ends made of alloyed and hardened steel, galvanically isolated
- Insulation of non-brittle plastic
- For 8 - 22 mm SW standard socket pieces
- Inserts can be locked in place
- Expanding ball interlock system for inserts



1000V IEC 60900

DIN7448
DIN3124

Insulated 12-point female socket 3/8”

Description	Order No.	(12) Size	Length	Weight
12-point female socket Size 3/8”	135206*	6	45 mm	22 g
	135207*	7	45 mm	23 g
	1504208	8	45 mm	30 g
	135209*	9	45 mm	28 g
	1504210	10	45 mm	31 g
	1504211	11	45 mm	31 g
	1504212	12	45 mm	32 g
	1504213	13	45 mm	32 g
	1504214	14	45 mm	35 g
	135215*	15	45 mm	38 g
	1504216	16	45 mm	37 g
	1504217	17	45 mm	40 g
	1504218	18	45 mm	42 g
	1504219	19	45 mm	45 g
	135220*	20	45 mm	70 g
	135221*	21	45 mm	83 g
	1504222	22	45 mm	47 g
	135224*	24	45 mm	112 g

- Greatly reduced outside diameter for use on screws in hard-to-get-at positions
- Square connection to ISO1174 DIN3120 Standards

*Bush with dip insulation (fig.1)



fig. 1

1000V IEC 60900



1000V IEC 60900

Extra deep insulated 12-point female socket 3/8”

Description	Order No.	(12) Size	Length	Weight
Extra deep 12-point female socket Size 3/8”	135308	8	75 mm	50 g
	135309	9	75 mm	55 g
	135310	10	75 mm	63 g
	135311	11	75 mm	67 g
	135312	12	75 mm	70 g
	135313	13	75 mm	77 g
	135314	14	75 mm	85 g
	135315	15	75 mm	100 g
	135316	16	75 mm	113 g
	135317	17	75 mm	122 g
	135318	18	75 mm	130 g
	135319	19	75 mm	144 g
	135320	20	75 mm	150 g
	135321	21	75 mm	160 g
	135322	22	75 mm	185 g
	135323	23	75 mm	210 g
	135324	24	75 mm	250 g
	135327	27	75 mm	315 g

- Extra deep version - min. 70 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



1000V IEC 60900

Long insulated 12-point female socket 3/8”

Description	Order No.	(12) Size	Length	Weight
Long 12-point female socket Size 3/8”	135110	10	140 mm	140 g
	135111	11	140 mm	148 g
	135112	12	140 mm	152 g
	135113	13	140 mm	161 g
	135114	14	140 mm	173 g
	135115	15	140 mm	180 g
	135116	16	140 mm	195 g
	135117	17	140 mm	205 g
	135118	18	140 mm	213 g
	135119	19	140 mm	223 g
	135120	20	140 mm	230 g
	135121	21	140 mm	238 g
	135122	22	140 mm	250 g

- Long version - 140 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



1000V IEC 60900

Extra long insulated 12-point female socket 3/8”

Description	Order No.	(12) Size	Length	Weight
Extra long 12-point female socket Size 3/8”	135712	12	270 mm	287 g
	135713	13	270 mm	295 g
	135714	14	270 mm	300 g
	135717	17	270 mm	351 g
	135718	18	270 mm	370 g
	135719	19	270 mm	385 g
	135721	21	270 mm	420 g
	135722	22	270 mm	445 g
	135724	24	270 mm	480 g
	135727	27	270 mm	520 g

- Extra long version - 270 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



1000V IEC 60900

ISO691

Short insulated male hex socket 3/8” - 50 mm

Description	Order No.	Size	Length	Weight
Short male hex socket Size 3/8”	1505204	4	50 mm	28 g
	1505205	5	50 mm	29 g
	1505206	6	50 mm	30 g
	1505208	8	50 mm	33 g

• Square connection to ISO1174 DIN3120 Standards



1000V IEC 60900

Insulated male hex socket 3/8” - 90 mm

Description	Order No.	Size	Length	Weight
Male hex socket Size 3/8”	140302	2	90 mm	27 g
	140325	2,5	90 mm	52 g
	140303	3	90 mm	49 g
	140304	4	90 mm	50 g
	140305	5	90 mm	56 g
	140306	6	90 mm	60 g
	140307	7	90 mm	66 g
	140308	8	90 mm	78 g
	140309	9	90 mm	75 g
	140310	10	90 mm	103 g
	140311	11	90 mm	114 g
	140312	12	90 mm	124 g
	140313	13	90 mm	135 g
	140314	14	90 mm	118 g

• Square connection to ISO1174 DIN3120 Standards
• Dip Insulation



1000V IEC 60900

ISO691

Medium long insulated male hex socket 3/8” - 120 mm

Description	Order No.	Size	Length	Weight
Medium long male hex socket Size 3/8”	1506204	4	120 mm	49 g
	1506205	5	120 mm	54 g
	1506206	6	120 mm	69 g
	1506208	8	120 mm	70 g

• Square connection to ISO1174 DIN3120 Standards



1000V IEC 60900

Long insulated male hex socket 3/8” - 140 mm

Description	Order No.	Size	Length	Weight
Long male hex socket Size 3/8”	140105	5	140 mm	63 g
	140106	6	140 mm	73 g
	140108	8	140 mm	90 g
	140110	10	140 mm	151 g

• Square connection to ISO1174 DIN3120 Standards
• Dip Insulation



1000V IEC 60900

Extra long insulated male hex socket 3/8” - 265 mm

Description	Order No.	Size	Length	Weight
Extra long male hex socket Size 1/2”	140705	5	265 mm	89 g
	140706	6	265 mm	109 g
	140708	8	265 mm	156 g
	140710	10	265 mm	219 g

• Square connection to ISO1174 DIN3120 Standards
• Dip Insulation

Combi set series 3/8"



Description	Order No.	Dimensions	Weight
Combi set	1598001	275 x 65 x 210 mm	1,5 kg

Equipment:
- Insulated T-wrench 1501 2
- Insulated reversible ratchet wrench 1502 2
- Insulated extension bar 125 mm 1503 2125
- Insulated extension bar 250 mm 1503 2250
- Insulated 12-point female sockets 8–10–13–14–17–19–22 ..... 1504 2...
- Short Insulated male hex sockets 4–5–6–8 ..... 1505 2...
- Resin case 1588 001

Basis ratchet set series 3/8"



Description	Order No.	Dimensions	Weight
Basis ratchet set	1598002	225 x 50 x 180 mm	1,0 kg

Equipment:
- Insulated reversible ratchet wrench 1502 2
- Insulated 12-point female sockets 8–10–13–17–19–22 ..... 1504 2...
- Medium long insulated male hex sockets 4–5–6 ..... 1506 2...
- Resin case 1588 002

Basis T-wrench set series 3/8"



Description	Order No.	Dimensions	Weight
Basis T-wrench set	1598004	275 x 65 x 210 mm	1,0 kg

Equipment:
- Insulated T-wrench 1501 2
- Insulated 12-point female sockets 10–13–14–17–19–22 ..... 1504 2...
- Short insulated male hex sockets 5–6–8 ..... 1505 2...
- Medium long insulated male hex sockets 5–6 ..... 1506 2...
- Resin case 1588 002

Torque wrench set series 3/8"



Description	Order No.	Dimensions	Weight
Torque wrench set	1598009	275 x 65 x 210 mm	2,0 kg

Equipment:
- Insulated torque wrench T 8–10–15Nm ..... 1508 0...
- Medium long insulated male hex sockets 4–5–6 ..... 1506 2...
- Resin case 1588 009

Torque wrench set series 3/8" reduced



Description	Order No.	Dimensions	Weight
Torque wrench set red.	1598010	192 x 40 x 140 mm	0,6 kg

Equipment:
- Insulated torque wrench T 20Nm 1508 020
- Short insulated male hex socket 8 ..... 1505 208
- Insulated 12-point female socket 13 ..... 1504 213
- Resin case 1588 010



1000V IEC 60900

DIN7448
DIN3124



fig. 1

1000V IEC 60900

Insulated 12-point female socket 1/2”

Description	Order No.	(12) Size	Length	Weight
12-point female socket Size 1/2”	135408*	8	55 mm	53 g
	135409*	9	55 mm	53 g
	1504110	10	55 mm	55 g
	1504111	11	55 mm	56 g
	1504112	12	55 mm	57 g
	1504113	13	55 mm	58 g
	1504114	14	55 mm	59 g
	135415*	15	55 mm	70 g
	135416*	16	55 mm	74 g
	1504117	17	55 mm	63 g
	135418*	18	55 mm	82 g
	1504119	19	55 mm	71 g
	135420*	20	55 mm	116 g
	135421*	21	55 mm	127 g
	1504122	22	55 mm	87 g
	135423*	23	55 mm	140 g
	1504124	24	55 mm	98 g
	135425*	25	55 mm	180 g
	135426*	26	55 mm	180 g
	1504127	27	55 mm	121 g
	135430*	30	55 mm	252 g
	1504132	32	55 mm	162 g
	130434*	34	55 mm	300 g

*Bush with Dip insulation (fig.1)

- Greatly reduced outside diameter for use on screws in hard-to-get-at positions
- Square connection to ISO1174 DIN3120 Standards



1000V IEC 60900

Extra deep insulated 12-point female socket 1/2”

Description	Order No.	(12) Size	Length	Weight
Extra deep 12-point female socket Size 1/2”	135508	8	95 mm	102 g
	135509	9	95 mm	105 g
	135510	10	95 mm	118 g
	135511	11	95 mm	120 g
	135512	12	95 mm	123 g
	135513	13	95 mm	127 g
	135514	14	95 mm	134 g
	135515	15	95 mm	140 g
	135517	17	95 mm	170 g
	135518	18	95 mm	188 g
	135519	19	95 mm	204 g
	135520	20	95 mm	210 g
	135522	22	95 mm	226 g
	135523	23	95 mm	241 g
	135524	24	95 mm	270 g
	135526	26	95 mm	300 g
	135527	27	95 mm	337 g
	135530	30	95 mm	390 g
	135532	32	95 mm	423 g

- Extra deep version - 95 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip insulation



1000V IEC 60900

Long insulated 12-point female socket 1/2"

Description	Order No.	(12) Size	Length	Weight
Long 12-point female socket Size 1/2"	135610	10	140 mm	230 g
	135614	14	140 mm	253 g
	135617	17	140 mm	302 g
	135619	19	140 mm	312 g
	135622	22	140 mm	360 g
	135624	24	140 mm	403 g
	135627	27	140 mm	484 g
	135630	30	140 mm	510 g
	135632	32	140 mm	560 g

- Long version - 140 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip insulation



1000V IEC 60900

Extra long insulated 12-point female socket 1/2"

Description	Order No.	(12) Size	Length	Weight
Extra long 12-point female socket Size 1/2"	135813	13	270 mm	457 g
	135814	14	270 mm	480 g
	135817	17	270 mm	530 g
	135819	19	270 mm	550 g
	135824	24	270 mm	680 g
	135830	30	270 mm	800 g
	135832	32	270 mm	840 g

- Extra long version - 270 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip insulation



1000V IEC 60900

DIN7448
DIN3124

Insulated male hex socket 1/2”

Description	Order No.	Size	Length	Weight
Male hex socket Size 1/2”	1505104	4	85 mm	76 g
	1505105	5	85 mm	78 g
	1505106	6	85 mm	81 g
	140507*	7	90 mm	79 g
	1505108	8	85 mm	84 g
	1505110	10	85 mm	90 g
	140512*	12	90 mm	126 g
	140514*	14	90 mm	158 g

*Bush with Dip insulation (fig.1)

- Normal version - min. 85 mm
- Square connection to ISO1174 DIN3120 Standards



1000V IEC 60900



1000V IEC 60900

ISO691

Long insulated male hex socket 1/2”

Description	Order No.	Size	Length	Weight
Long male hex socket Size 1/2”	1506104	4	135 mm	83 g
	1506105	5	135 mm	88 g
	1506106	6	135 mm	95 g
	1506108	8	135 mm	100 g
	1506110	10	135 mm	107 g

- Long version - 135 mm
- Square connection to ISO1174 DIN3120 Standards



1000V IEC 60900

Extra long insulated male hex socket 1/2”

Description	Order No.	Size	Length	Weight
Extra long male hex socket Size 1/2”	140805	5	265 mm	122 g
	140806	6	265 mm	143 g
	140808	8	265 mm	143 g
	140810	10	265 mm	185 g

- Extra long version - 265 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip insulation



Combi set series 1/2"

Description	Order No.	Dimensions	Weight
Combi set	1599002	330 x 75 x 270 mm	3.1kg

Equipment:
- Insulated T-wrench 1501 1
- Insulated reversible ratchet wrench 1502 1
- Insulated extension bar 125 mm 1503 1125
- Insulated extension bar 250 mm 1503 1250
- Insulated 12-point female sockets 10-13-14-17-19-22-24-27 ..... 1504 1...
- Insulated male hex sockets 4-5-6-8-10 ..... 1505 1...
- Resin case 1589 002



Basis ratchet set series 1/2"

Description	Order No.	Dimensions	Weight
Basis ratchet set	1599005	275 x 65 x 210 mm	1,6 kg

Equipment:
- Insulated reversible ratchet wrench 1502 1
- Insulated 12-point female sockets 10–13–17–19–22–24 ..... 1504 1...
- Insulated male hex sockets 4–5–6 ..... 1505 1...
- Resin case 1589 005



Basis T-wrench set series 1/2"

Description	Order No.	Dimensions	Weight
Basis T-wrench set	1599001	275 x 65 x 210 mm	1,5 kg

Equipment:
- Insulated T-wrench 1501 1
- Insulated 12-point female sockets 10-13-14-17-19-22 ..... 1504 1...
- Insulated male hex sockets 5-6-8 ..... 1505 1...
- Long insulated male hex sockets 5-6 ..... 1506 1...
- Resin case 1589 001



Torque wrench set series 1/2"

Description	Order No.	Dimensions	Weight
Torque wrench set	AV3755	275 x 65 x 210 mm	2,0 kg

Equipment:
- Insulated torque wrench T 8–10–15Nm ..... AC37...
- Long insulated male hex sockets 4–5–6 ..... 1506 1...
- Resin case 1589 001



Torque wrench set series 1/2" reduced

Description	Order No.	Dimensions	Weight
Torque wrench set red.	AV3760	192 x 40 x 140 mm	0,7 kg

Equipment:
- Insulated torque wrench T 20Nm AC3720
- Insulated male hex socket 8 ..... 1505 108
- Insulated 12-point female socket 13 ..... 1504 113
- Resin case 1588 010

ALIGNMENT TOOL FOR SECTOR CABLE



Alignment tool for sector cable

Description	Order No.	Cross Section	Length	Weigth
Alignment tool Size 3/8“	**132095** **132185** **132030**	95 - 150 185 - 240 300	75 mm 83 mm 83 mm	80 g 140 g 140 g
Alignment tool Size 1/2“	**132096** **132186** **132031**	95 - 150 185 - 240 300	75 mm 83 mm 83 mm	80 g 140 g 140 g

- Insulation of non-brittle plastic
- To align 3 or 4 strand sectoral conductor
- Used with INTERCABLE insulated T-Wrenches (15011, 15012) or ratched wrenches (15021, 15022)
- Other sizes on request



Belt pouch “EuroMario”

Description	Order No.	Dimensions	Weight
EuroMario with tools (red)	19122	110 x 220 x 65 mm	0,6 kg
EuroMario with tools (black)	19132	120 x 230 x 70 mm	0,7 kg
EuroMario without tools (red)	19120	110 x 220 x 65 mm	0,1 kg
EuroMario without tools (black)	19130	120 x 230 x 70 mm	0,1 kg

Equipment:
1000V insulated tools (IEC 60900, IEC900, VDE0682-201)
- Engineers pliers 180 mm 2K 1101 180
- Screwdriver for slotted head screws - 0,5 x 3 x 100 ..... 1301 030
- Screwdriver for slotted head screws - 0,8 x 4 x 100 - **SLIM** 1301 040
- Screwdriver for Phillips screws PH 1 x 75 - PH 1 x 75 - **SLIM** 1302 1

NOT insulated tools
- Special electricians scissors 2K 1601 2



Belt Pouch “IperMario”

Description	Order No.	Dimensions	Weight
IperMario with tools	19152	245 x 245 x 50 mm	1,20 kg
IperMario without tools	19150	245 x 245 x 50 mm	0,3 kg

Equipment:
1000V insulated tools (IEC 60900, IEC900, VDE0682-201)
- Engineers pliers 180 mm 2K 1101 180
- Diagonal cutting nipper 2K 1102 160
- Screwdriver for slotted head screws - 0,8 x 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 1 x 5,5 x 125 - **SLIM** 1301 055
- Screwdriver for Phillips screws - PH 2 x 100 - **SLIM** 1302 2
- Screwdriver for Pozidriv screws - PZ 2 x 100 - **SLIM** 1303 2

NOT insulated tools
- Special electricians scissors 2K 1601 2
- Voltage tester 3 x 65 mm AV6104



Belt pouch in leather

Description	Order No.	Dimensions	Weight
Belt pouch with tools	19142	200 x 100 x 200 mm	1,5 kg
Belt pouch without tools	19140	200 x 100 x 200 mm	0,7 kg

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682-201)

- Engineers pliers 180 mm 2K 1101 180
- Screwdriver for slotted head screws - 0,5 x 3 x 100 ..... 1301 030
- Screwdriver for slotted head screws - 0,8 x 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 1,2 x 6,5 x 150 - **SLIM** 1301 065
- Screwdriver for Phillips screws - PH 1 x 75 - **SLIM** 1302 1
- Screwdriver for Phillips screws - PH 2 x 100 - **SLIM** 1302 2
- Cable cutter D17 2K 1602 160

NOT insulated tools

- Special electricians scissors 2K 1601 2
- Voltage tester 3 x 65 mm AV6104
- EnerGrip - cable puller AV8902





Pouch 1000/EN60900 “Euronorm”

Description	Order No.	Dimensions	Weight
Pouch with tools	19231	360 x 270 x 70 mm	2,4 kg
Pouch without tools	19230	360 x 270 x 70 mm	1,0 kg

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682–201)

- Engineers pliers 180 mm 2K 1201 180
- Telephone pliers with straight jaws 160 mm 2K 1203 160
- Screwdriver for slotted head screws - 0,5 x 3 x 100 ..... 1301 030
- Screwdriver for slotted head screws - 0,8 x 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 1,2 x 6,5 x 150 - **SLIM** 1301 065
- Screwdriver for Phillips screws - PH 1 x 75 - **SLIM** 1302 1
- Screwdriver for Phillips screws - PH 2 x 100 - **SLIM** 1302 2
- Screwdriver for Pozidriv screws - PZ 1 x 75 - **SLIM** 1303 1
- Screwdriver for Pozidriv screws - PZ 2 x 100 - **SLIM** 1303 2
- Cable stripping knife with clappable blade protection AV3920
- Insulated electrician's shears 2K 1603 2
- Cable cutter D17 2K 1602 160

TOOL CASES AND EQUIPMENT



“EUROBAG” Tool box with shoulder strap

Description	Order No.	Dimensions	Weight
Tool box with tools	19331	350 x 310 x 80 mm	1,6 kg
Tool box without tools	19330	350 x 310 x 80 mm	0,8 kg

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682–201)

- Engineers pliers 180 mm 2K 1201 180
- Screwdriver for slotted head screws - 0,5 x 3 x 100 ..... 1301 030
- Screwdriver for slotted head screws - 0,8 x 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 1,2 x 6,5 x 150 - **SLIM** 1301 065
- Screwdriver for Phillips screws - PH 1 x 75 - **SLIM** 1302 1
- Screwdriver for Phillips screws - PH 2 x 100 - **SLIM** 1302 2
- Cable cutter D17 2K 1602 160

NOT insulated tools

- Special electricians scissors 2K 1601 2
- Voltage tester 3 x 65 mm AV6104
- 2 containers for small parts



Tool bag with rechargeable flashlight

Description	Order No.	Dimensions	Weight
Tool bag with tools	19401	200 x 300 x 100 mm	2,4 kg
Tool bag without tools	19400	200 x 300 x 100 mm	1,6 kg

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682–201)

- Engineers pliers 180 mm 2K 1201 180
- Screwdriver for slotted head screws - 0,5 x 3 x 100 ..... 1301 030
- Screwdriver for slotted head screws - 0,8 x 4 x 100 - **SLIM** 1301 040
- Screwdriver for Phillips screws - PH 2 x 100 - **SLIM** 1302 2

NOT insulated tools

- Special electricians scissors 2K 1601 2
- Flexometer 3 m 7406 030
- Baby spirit level 7404 100
- 2 containers for small parts
- Rechargeable flashlight 12V ..... 50 x 20 x 20 mm



“INTERCABLE” Tool box

Description	Order No.	Dimensions	Weight
Tool box with tools	19601	450 x 240 x 250 mm	3,0 kg
Tool box without tools	19600	450 x 240 x 250 mm	2,3 kg

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682–201)

- Engineers pliers 180 mm 2K 1201 180
- Screwdriver for slotted head screws - 0,5 x 3 x 100 ..... 1301 030
- Screwdriver for slotted head screws - 0,8 x 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 1 x 4,5 x 125 - **SLIM** 1301 045
- Screwdriver for slotted head screws - 1,2 x 6,5 x 150 - **SLIM** 1301 065
- Screwdriver for Phillips screws - PH 1 x 75 - **SLIM** 1302 1
- Screwdriver for Phillips screws - PH 2 x 100 - **SLIM** 1302 2

NOT insulated tools

- Cable cutter and crimper electrician scissor 2K 16020-F1
- Voltage tester 3 x 65 mm AV6104
- Flexometer 3 m 7406 030
- Pocket saw “PUK” 7402 150
- Baby spirit level 7404 100
- Gloves GRIP 7407 009

TOOL CASES AND EQUIPMENT



“EuroCompact” Tool box

Description	Order No.	Dimensions	Weight
Leather box with tools	19162	440 x 200 x 300mm	4,2 kg
Hard top box with tools	19172	430 x 340 x 160mm	4,5 kg
Leather box without tools	19160	440 x 200 x 300 mm	3,0 kg
Hard top box without tools	19170	430 x 340 x 160 mm	3,3 kg
Shoulder strap (for leather box)	19199	-	0,2 kg
Other tool cases available on request			

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682–201)

- Engineers pliers 180 mm 2K 1101 180
- Telephone pliers with straight jaws 160 mm 2K 1103 160
- Screwdriver for slotted head screws - 0,5 x 3 x 100 ..... 1301 030
- Screwdriver for slotted head screws - 0,8 x 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 1 x 5,5 x 125 - **SLIM** 1301 055
- Screwdriver for slotted head screws - 1,2 x 6,5 x 150 - **SLIM** 1301 065
- Screwdriver for Phillips screws “Phillips” - PH 1 x 75 - **SLIM** 1302 1
- Screwdriver for Phillips screws “Phillips” - PH 2 x 100 - **SLIM** 1302 2
- Cable cutter D17 2K 1602 160

NOT insulated tools

- Special electricians scissors 2K 1601 2
- EnerGrip - cable puller AV8902
- Universal key ..... QUATTRO





“EUROPROFI” Tool box

Description	Order No.	Dimensions	Weight
Leather box with tools	19182	440 x 200 x 360 mm	5,0 kg
Hard top box with tools	19192	470 x 360 x 200 mm	6,2 kg
Leather box without tools	19180	440 x 200 x 360 mm	3,8 kg
Hard top box without tools	19190	470 x 360 x 200 mm	5,0 kg
Shoulder strap for leather box	19199	-	0,2 kg
Other tool cases available on request			

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682–201)

- Engineers pliers 180 mm 2K 1101 180
- Screwdriver for slotted head screws - 0,5 x 3 x 100 ..... 1301 030
- Screwdriver for slotted head screws - 0,8 x 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 1 x 5,5 x 125 - **SLIM** 1301 055
- Screwdriver for slotted head screws - 1,2 x 6,5 x 150 - **SLIM** 1301 065
- Screwdriver for Phillips screws “Phillips” - PH 1 x 75 - **SLIM** 1302 1
- Screwdriver for Phillips screws “Phillips” - PH 2 x 100 - **SLIM** 1302 2
- Screwdriver for Pozidriv screws - PZ 1 x 75 - **SLIM** 1303 1
- Insulated scissors 2K 1603 1
- Cable cutter D17 2K 1602 160

NOT insulated tools

- Special electricians scissors 2K 1601 2
- Baby spirit level 7404 100
- EnerGrip - cable puller AV8902
- Voltage tester - 3 x 65 mm AV6104





"ALU" Tool box

Description	Order No.	Dimensions	Weight
Alu box with tools	19281	485 x 380 x 200 mm	9,4 kg
Alu box without tools	19280	485 x 380 x 200 mm	6,3 kg
Other tool cases available on request			

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682–201)

- Screwdriver for slotted head screws - 4 x 100 - SLIM 1301 040
- Screwdriver for slotted head screws - 5,5 x 125 - SLIM 1301 055
- Screwdriver for slotted head screws - 6,5 x 150 - SLIM 1301 065
- Screwdriver for Phillips screws - PH 1 x 75 - SLIM 1302 1
- Screwdriver for Phillips screws - PH 2 x 100 - SLIM 1302 2
- Screwdriver for Pozidriv screws - PZ 1 x 75 - SLIM 1303 1
- Screwdriver for Pozidriv screws - PZ 2 x 100 - SLIM 1303 2
- Engineers pliers 180 mm 2K 1101 180
- Cable cutter D17 2K 1602 160
- Telephone pliers with straight jaws 1103 200

NOT insulated tools

- Special electricians scissors 2K 1601 2
- Voltage tester 3 x 65 mm AV6104
- Universal key ..... QUATTRO
- Hammer 300 g 7130 582
- Chisel 7130 008
- Pliers for tubes and nuts 7101 237
- Spirit level 250 mm 7211 440
- Baby spirit level 7404 100
- Flexometer 3 m 7406 030
- Pocket saw "PUK" 7402 150
- Hexagon screw set Pocketstar 7401 208
- Universal knife 7120 081



1000V shockproof resin tool kit

Description	Order No.	Dimensions	Weight
Hard top box with tools	19501	480 x 360 x 235 mm	10,4 kg
Hard top box without tools	19500	480 x 360 x 235 mm	6,5 kg
Other tool cases available on request			

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682–201)

- Engineers pliers 180 mm AP0119N
- Telephone pliers with straight jaws 200 mm AP0420N
- Insulating engineers pliers 1108 1
- Cable cutter D17 ..... AP1017
- Insulated wire stripper 2,5-10 mm AE6200
- Screwdriver for slotted head screws - 3 x 75 ..... AC1501
- Screwdriver for slotted head screws - 4 x 100 ..... AC1502
- Screwdriver for slotted head screws - 5,5 x 150 ..... AC1504
- Screwdriver for slotted head screws - 8 x 150 ..... AC1506
- Screwdriver for Phillips screws PH1 ..... AC1601
- Screwdriver for Phillips screws PH2 ..... AC1602
- Screwdriver for Phillips screws PH3 ..... AC1603
- Insulated T- wrench 1/2" 1501 1
- Insulated 12-point female sockets 10, 13, 14, 17, 17, 19, 22 ..... 1504 1....
- Insulated male hex sockets 5, 6, 8, ... 1505 10..
- Long Insulated male hex sockets 5, 6 ..... 1506 10..
- 4 insulated safety clamps 6514 09
- Screwdriver for hexagon sockets 2,5, 3, 4 ..... 1304 0....
- Rubber cover material 600 x 600 ..... AV4102

TOOL CASES AND EQUIPMENT



“NEW PROFESSIONAL” Tool box

Description	Order No.	Dimensions	Weight
Hard top box with tools	19311	460 x 400 x 200 mm	8,1 kg
Hard top box without tools	19310	460 x 400 x 200 mm	5,5 kg
Other tool cases available on request			

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682–201)

- Screwdriver for slotted head screws - 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 5,5 x 125 - **SLIM** 1301 055
- Screwdriver for slotted head screws - 6,5 x 150 - **SLIM** 1301 065
- Screwdriver for Phillips screws - PH 1 x 75 - **SLIM** 1302 1
- Screwdriver for Phillips screws - PH 2 x 100 - **SLIM** 1302 2
- Screwdriver for Pozidriv screws - PZ 1 x 75 - **SLIM** 1303 1
- Screwdriver for Pozidriv screws - PZ 2 x 100 - **SLIM** 1303 2
- Engineers pliers 180 mm 2K 1101 180
- Cable cutter D17 2K 1602 160
- Telephone pliers with straight jaws 1103 200

NOT insulated tools

- Special electricians scissors 2K 1601 2
- Gloves GRIP 7407 009
- Flexometer 3 m 7406 030
- Baby spirit level 7404 100
- Hexagon screw set Pocketstar 7401 208
- Universal knife 7120 081
- Voltage tester 3 x 65 mm AV6104
- Switch cabinet spanner ProfiKey AV9312
- Pocket saw “PUK” 7402 150
- Hammer 300 g 7130 582
- Pliers for tubes and nuts 7101 237



“PROFESSIONAL TROLLEY” Tool box

Description	Order No.	Dimensions	Weight
Hard top box with tools	19321	460 x 400 x 250 mm	9,5 kg
Hard top box without tools	19320	460 x 400 x 250 mm	6,9 kg
Other tool cases available on request			



“EUROTROLLEY” Tool box

Description	Order No.	Dimensions	Weight
Hard top box with tools	AO0511	430 x 320 x 160 mm	6,3 kg
Hard top box without tools	19163	430 x 320 x 160 mm	5,0 kg
Other tool cases available on request			

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682-201)

- Screwdriver for slotted head screws - 3 x 100 - **SLIM** 1301 030
- Screwdriver for slotted head screws - 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 4,5 x 125 - **SLIM** 1301 045
- Screwdriver for slotted head screws - 6,5 x 150 - **SLIM** 1301 065
- Screwdriver for Phillips screws - PH 1 x 75 - **SLIM** 1302 1
- Screwdriver for Phillips screws - PH 2 x 100 - **SLIM** 1302 2
- Screwdriver for Pozidriv screws - PZ 1 x 75 - **SLIM** 1303 1
- Screwdriver for Pozidriv screws - PZ 2 x 100 - **SLIM** 1303 2
- Engineers pliers 180 mm 2K 1201 180

NOT insulated tools

- Assortment of hexagonal spanners 8 pc 7110 592
- Cable cutter and crimper electrician scissor 2K 16020-F1
- Voltage tester 3 x 65 mm AV6104
- Flexometer 3 m 7406 030
- Baby spirit level 7404 100
- Gloves GRIP 7407 009

TOOL CASES AND EQUIPMENT





“INTERCABLE” Tool box

Description	Order No.	Dimensions	Weight
Hard top box with tools	AO0108	460 x 370 x 200 mm	5,8 kg
Hard top box without tools	AO0108B	460 x 370 x 200 mm	4,3 kg
Other tool cases available on request			

Equipment:

1000V insulated tools (IEC 60900, IEC900, VDE0682-201)

- Screwdriver for slotted head screws - 3 x 100 - **SLIM** 1301 030
- Screwdriver for slotted head screws - 4 x 100 - **SLIM** 1301 040
- Screwdriver for slotted head screws - 4,5 x 125 - **SLIM** 1301 045
- Screwdriver for slotted head screws - 6,5 x 150 - **SLIM** 1301 065
- Screwdriver for Phillips screws - PH 1 x 75 - **SLIM** 1302 1
- Screwdriver for Phillips screws - PH 2 x 100 - **SLIM** 1302 2
- Screwdriver for Pozidriv screws - PZ 1 x 75 - **SLIM** 1303 1
- Screwdriver for Pozidriv screws - PZ 2 x 100 - **SLIM** 1303 2
- Engineers pliers 180 mm 2K 1201 180

NOT insulated tools

- Assortment of hexagonal spanners 8 pc 7110 592
- Cable cutter and crimper electrician scissor 2K 16020-F1
- Voltage tester 3 x 65 mm AV6104
- Gloves GRIP 7407 009
- Flexometer 3 m 7406 030
- Baby spirit level 7404 100
- Universal knife 7120 081
- Pocket saw “PUK” 7402 150
- Hammer 300 g 7130 582

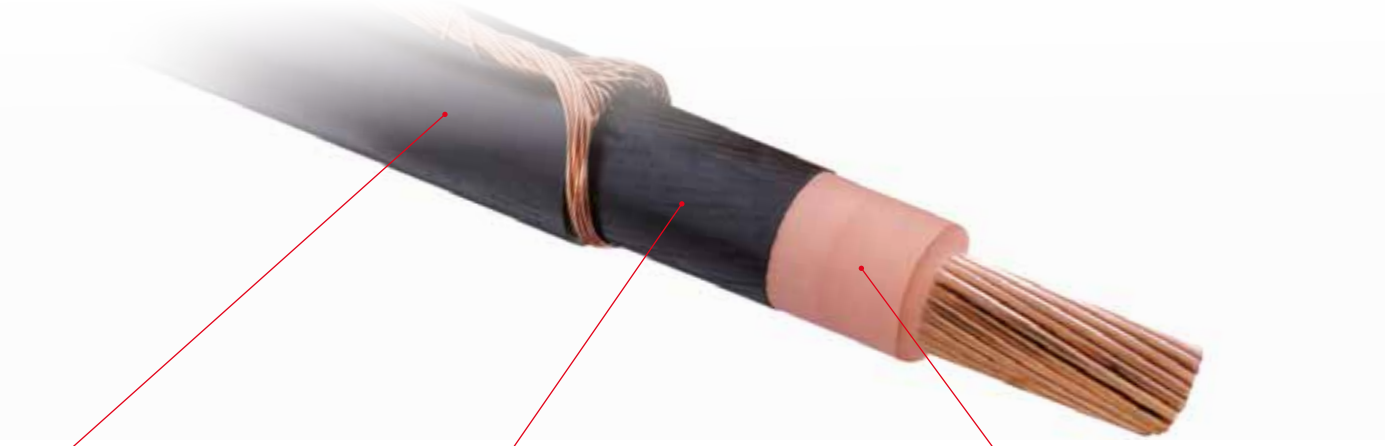


STRIPPING TOOLS

PRODUCT OVERVIEW

Insulation	Type	Order No.	Application range	Insulation thickness	Suggested application	1000V certified	Page
STRIPPING TOOLS FOR EXTERNAL INSULATION	AMS	AV6220	ø > 25 mm	0 - 5 mm	PVC / Rubber		69
	AMS 1000V	17130	ø > 25 mm	0 - 5 mm	PVC / Rubber	X	69
	AMS MAXI	AV6240	ø > 45 mm	0 - 5 mm	PVC / Rubber / Polyethylene		70
	MSU	AE6210	ø 24 - 60 mm	0 - 5 mm	Polyethylene / lead cables		71
	AMX	17300	ø 16 - 54 mm	0 - 5 mm	Polyethylene / fully bonded aluminium outer insulation		72
	AIS	17190	ø 16 - 54 mm	0,5 - 5 mm	High density polyethylene	X	73
	FSI 150	17170	6 - 150 mm²	Preadjusted stripping inserts	ABC cables (overhead, twisted, insulated)	X	74
	FSI	AE6200	2.5, 4, 6 and 10 mm²		Rigid and flexible single pole	X	75
STRIPPING TOOLS FOR SEMICONDUCTOR	FBS	17220	ø 10 - 52 mm	0 - 1,5 mm	Vulcanized, extruded, bonded semiconductive layer		76
	HLS	AV6400	ø 16 - 41 mm	0 - 2 mm	Non vulcanized, peelable semiconductive layer		77
STRIPPING TOOL FOR PRIMARY INSULATION	IMS 20 - 22kV	AV6310 + inserts	25 - 240 mm²	Preadjusted stripping inserts	Any type of primary insulation		78
	IMS 10 - 11kV	AV6310 + inserts	25 - 240 mm²	Preadjusted stripping inserts	Any type of primary insulation		78
	IMS II	17230	ø 15 - 52 mm	0 - 15 mm	Any type of primary insulation		80
STRIPPING TOOL FOR CHAMFERING PRIMARY INSULATION	UFS	17240	ø 15 - 60 mm		Any type of primary insulation		81
STRIPPING TOOL FOR ARMOURED CABLE	Roller chains cutter	1609076	ø 20 - 76 mm cable up to 150 mm²		Armoured cable		82

APPLICATION EXAMPLE



STRIPPING TOOLS FOR EXTERNAL INSULATION

- AMS (AV6220)
- AMS 1000V (17131)
- AMS MAXI (AV6240)
- MSU (AE6210)
- AMX (17300)
- AIS (17190)
- FSI 150 (17170)
- FSI (AE6200)

STRIPPING TOOLS FOR SEMICONDUCTOR

- FBS (vulcanized / bonded / semiconductor) (17221)
- HLS (not vulcanized / semiconductor / peeleable) (AV6410 & AV6411)

STRIPPING TOOL FOR PRIMARY INSULATION

- IMS II (17231)
- IMS (AV6310)
- UFS (17241)

ARMOURED WIRES

- Roller chain cutter (1609076)

WE

LOVE

TOOLS

ABI 1

Self adjustable cable stripper

NEW

ABI 1 Video

Precision

Cutting depth adjustable up to 3mm, thus no damage to the underlying layers of the cable

Versatile

Setting of round, longitudinal and spiral cuts

Efficency

Blade suitable for all types of cable insulation

Protection

The blocking system prevents opening in the position: longitudinal cut. This prevents the blade from breaking off due to misuse

Handling

No tilting due to axial pulling of the tool in the longitudinal direction



Safety

The innovative design ensures an injury-free working

Ergonomics

The optimally adapted shape of the tool enables fatigue-free working



APPLICATION RANGE	Ø 4,5 - 29 mm
INSULATION THICKNESS	3 mm
SUGGESTED APPLICATION	PVC and rubber

Description	Order No.	Weight	Length
Universal cable stripper	ABI1	150 g	140 mm
Spare blade	110059	-	-

- HANDY AND EFFORTLESS USAGE
- SMALL AND COMPACT DESIGN
- STEP BY STEP DEPTH ADJUSTMENT (IN CLICKS OF 0.1 MM)

- Very small self rotating (<200 mm)
- For every kind of insulation
- Easy to change blade

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!



Universal cable stripper

APPLICATION RANGE	Ø 0,2 - 6 mm²
INSULATION THICKNESS	ANY
SUGGESTED APPLICATION	PVC

Description	Order No.	Length
Universal cable stripper	PTS4	170 mm

- To strip off off and cut flexible cables 0,2 - 6 mm²
- Integrated blade with safety lock
- Adjustable length

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!



Universal cable stripper 0,03 - 16 mm²

APPLICATION RANGE	Ø 0,03 - 16 mm²
INSULATION THICKNESS	ANY
SUGGESTED APPLICATION	PVC

Description	Order No.	Length
Universal cable stripper	AB16	210 mm

- To strip off and cut flexible cables 0,03 - 16 mm²
- Integrated blade with safety lock
- Adjustable length

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!



Universal cable stripper

APPLICATION RANGE	Ø 6 - 16 mm²
INSULATION THICKNESS	ANY
SUGGESTED APPLICATION	outer PVC insulation

Description	Order No.	Length
Universal cable stripper	AV8203	170 mm

- To strip off flexible cables 6 - 16 mm²

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!



AMS / AMS 1000V - Universal cable stripper for external insulation

APPLICATION RANGE	Ø > 25 mm
INSULATION THICKNESS	0 - 5 mm
SUGGESTED APPLICATION	PVC / Rubber

Technical characteristics:
- Designed to strip outer sheath from MV and LV cables
- Longitudinal and circular cuts
- Designed to strip ends and or middle parts
- Stripping without hurting the lower layers
- Interchangeable two-sided blade
- Snap closure mechanism (AMS only)

Additional features model AMS 1000V - 17130:
- Suitable for work on live parts up to 1000V AC und 1500V DC (model AMS 1000V - 1713 0 only)
- Model AMS 1000V is also designed for very low temperature uses, down to -40°C



Universal cable stripper AMS - AV6221



AMS-Set - AV6220



1000V IEC 60900

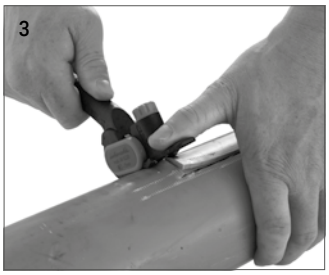
Universal cable stripper AMS 1000V - 1713 1

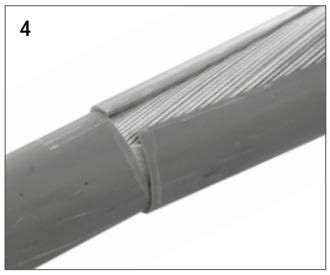


AMS 1000V-Set - 1713 0









- NO DAMAGING OF BELOW SURFACE
- SUITABLE FOR WORK ON LIVE PARTS (ONLY MODEL 17130)
- LONG LASTING PRECISE INTERCHANGEABLE TWO SIDED BLADE

Description	Order No.	Dimensions	Weight
Set: AMS	AV6220	160 x 65 x 35 mm	200 g
Set: AMS 1000V	17130	170 x 75 x 50 mm	200 g
Spare blade	AV6299	-	-

Set equipment:
- Plastic case to contain the tool and its instructions for use (AMS)
- Soft nylon case to contain the tool and its instructions for use (AMS 1000V)



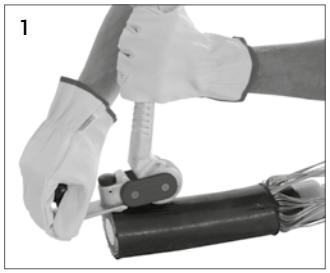
AMS MAXI - Universal cable stripper for large difficult cable insulation

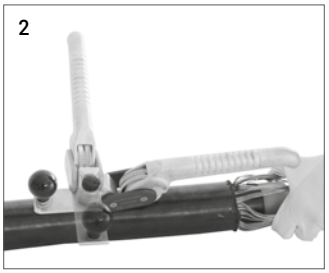
APPLICATION RANGE	Ø > 45 mm
INSULATION THICKNESS	0 - 5 mm
SUGGESTED APPLICATION	PVC / Rubber / Polyethylene

Technical characteristics:
- Designed to strip outer sheath from LV, MV and HV cables
- Longitudinal and circular cuts
- Designed to strip ends or middle parts
- Stripping without hurting the lower layers
- Interchangeable two-sided blade



Universal cable stripper AMS MAXI - AV6240









- NO DAMAGING OF BELOW SURFACE
- LONG LASTING PRECISE INTERCHANGEABLE TWO SIDED BLADE
- SUITABLE TO WORK ON LARGE DIFFICULT CABLES INSULATION



AMS MAXI-Set - AV6240

Description	Order No.	Dimensions	Weight
Set: AMS MAXI	AV6240	250 x 110 x 60 mm	800 g
Spare blade	AV6299	-	-

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!

Set equipment:
- Soft nylon case to contain the tool and its instructions for use



MSU - Special cable stripper for external insulation

APPLICATION RANGE	Ø 24 - 60 mm
INSULATION THICKNESS	0 - 5 mm
SUGGESTED APPLICATION	Polyethylene / lead cables

Technical characteristics:
- Designed to strip outer sheath from MV and LV cables
- Circular and helical cuts
- Operates by simply rotating it around the cable axis
- Designed to strip both ends
- Interchangeable blade



MSU - AE6210



Cable knife - AV3920



Soft case - AB6210









- NO DAMAGING OF BELOW SURFACE
- SUITABLE FOR WORK ON LIVE PARTS (ONLY MODEL 17130)
- LONG LASTING PRECISE INTERCHANGEABLE TWO SIDED BLADE

Description	Order No.	Dimensions	Weight
Set: MSU	AE6210	290 x 110 x 90 mm	900 g
Spare blade	AE6219	-	-

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!

Set equipment:
- Special MSU cable stripper AE6211
- Cable knife AV3920
- Soft case AB6210

STRIPPING TOOLS FOR EXTERNAL INSULATION

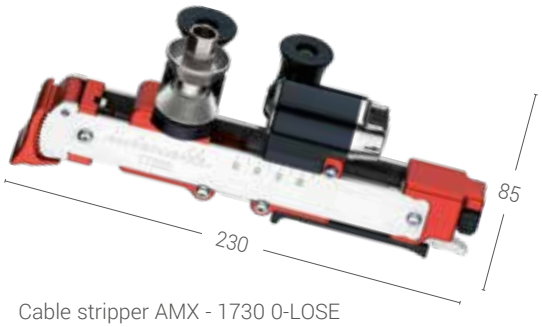


Norm: EN10020

AMX - Universal cable stripper for heavy duty outer sheaths

APPLICATION RANGE	Ø 16 - 54 mm
INSULATION THICKNESS	0 - 5 mm
SUGGESTED APPLICATION	Polyethylene / fully bonded aluminium outer insulation

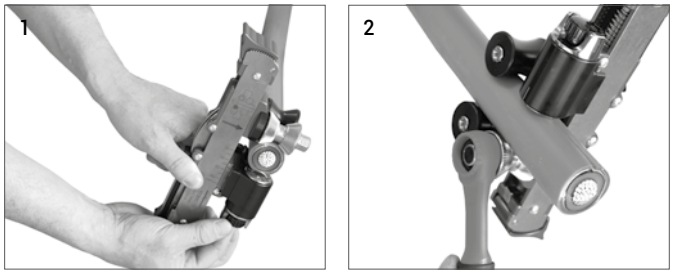
Technical characteristics:
- Designed to strip aluminium armed outer sheaths of LV/MV
- Suitable for longitudinal and circular cutting
- Additional claw to break hard insulation
- The initial setting of the correct cable diameter is done by adjusting the handle
- The fixation of the device on the cable is performed by a quick-release system with toggle lever princip
- The cutting depth is adjustable in steps of 0,1 mm
- Switchable between longitudinal and circular cut
- Maximal rotation diameter of the tool: 300 mm

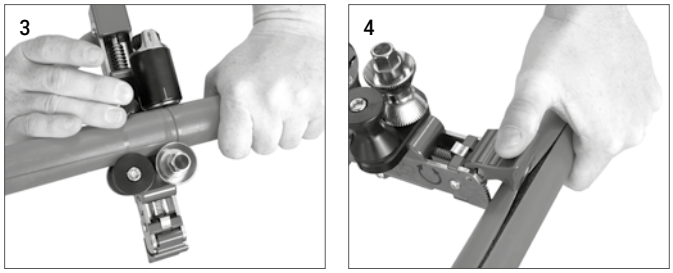


Cable stripper AMX - 1730 0-LOSE



Feed lever - 1719 4





- SMALL SELF ROTATING TO WORK ON LIMITED SPACE
- EASY AND PRECISE WORKING THROUGH FAST LOCKING SYSTEM
- GRADUALLY DEPTH ADJUSTMENT AND MAX. SAFETY OF OPERATOR



Soft nylon case - AB6230

Description	Order No.	Dimensions	Weight
Set: AMX	17300	260 x 140 x 65 mm	1,3 kg
Spare blade	17301	-	-

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!

Set equipment:
- AMX - cable stripper 1730 0
- Feed lever 1719 4
- 2,5 mm Allen wrench 1710 1
- Soft nylon case AB6230



AIS - Cable stripper for external insulation

APPLICATION RANGE	Ø 16 - 54 mm
INSULATION THICKNESS	0,5 - 5 mm
SUGGESTED APPLICATION	High density polyethylene

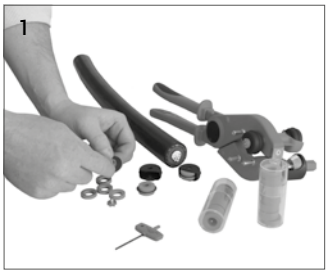
Technical characteristics:
- Longitudinal and circular cuts on MV cables
- Used to work on live parts up to 1000V AC and 1500V DC
- Designed to strip ends or middle parts
- Hooked blade for removing the sheath that has been cut
- 100° tool rotation makes a complete 360° circumference cut
- Longitudinal feed in both directions using the ratchet lever
- Electrically insulated interchangeable blades
- Two-component handles in compliance with CEI/EN60900 Standards
- The tool head (except for the blades) is totally insulated



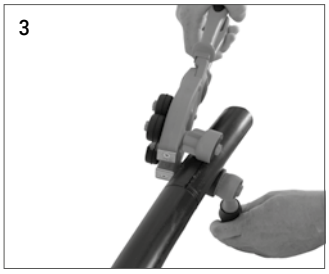
Cable stripper AIS - 1719 6

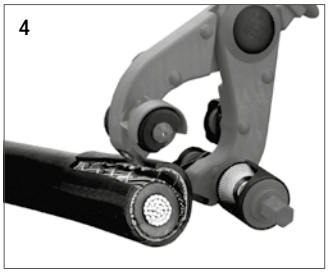


Feed lever - 1719 4









- ADJUSTABLE CUTTING DEPTH LIMITATION
- SUITABLE TO WORK ON LIVE PARTS
- FEED LEVER FOR PRECISE WORKING AND MAX. SAFETY OF OPERATOR



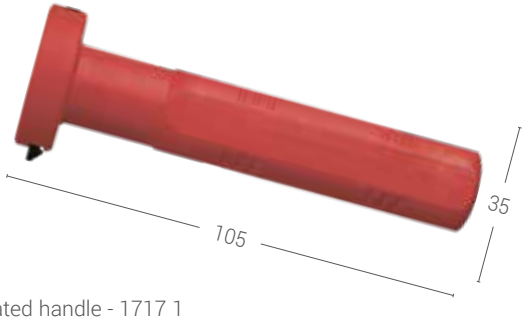
AIS-Set - 1719 0

Description	Order No.	Dimensions	Weight
Set: AIS	17190	390 x 340 x 90 mm	2,0 kg
Spare blade	17195	-	-

Set equipment:
- AIS - cable stripper 1719 6
- Feed lever 1719 4
- 10 x 14 Colored identification washers ..... -
- 2 Spare screws to fasten the blade 1719 7
- 2,5 mm Allen wrench 1710 1
- Rigid resin case AB17190



1000V IEC 60900



Insulated handle - 1717 1



Stripping insert - 1717...



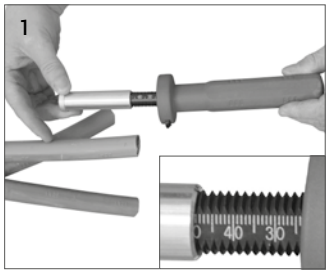
FSI 150 - Set - 1717 0

FSI 150 - Insulated wire stripper for ABC cables

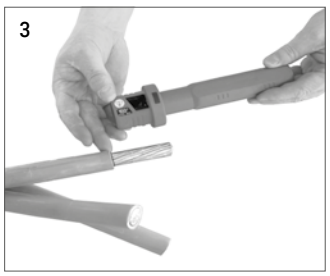
APPLICATION RANGE	6 - 150 mm²
INSULATION THICKNESS	Preadjusted stripping inserts
SUGGESTED APPLICATION	ABC cables (overhead, twisted, insulated)

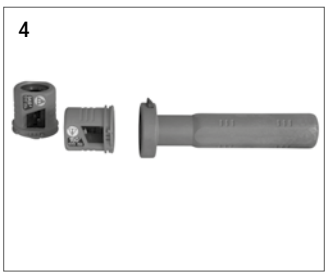
Technical characteristics:
- Designed to work on live parts up to 1000V AC and 1500V DC
- Stripping depth adjustment built inside the handle
- Insulated handle with bayonet connection
- Stripping length adjustable from 20 to 80 mm
- Scale marked on the built-in device to display the preset length
- Interchangeable blade

Inserts available:
- Stripping insert 6 mm² 1717 006
- Stripping insert 10 mm² 1717 010
- Stripping insert 16 mm² 1717 016
- Stripping insert 25 mm² 1717 025
- Stripping insert 35 mm² 1717 035
- Stripping insert 50 mm² 1717 050
- Stripping insert 54,6 mm² 1717 054
- Stripping insert 70 mm² 1717 070
- Stripping insert 95 mm² 1717 095
- Stripping insert 150 mm² 1717 150
- Other inserts on request









- EASY HANDLING THROUGH PREADJUSTED INSERTS
- SUITABLE TO WORK ON LIVE PARTS 1000V
- DESIGNED TO WORK IN LIMITED SPACE

Description	Order No.	Dimensions	Weight
Set: FSI 150	17170	235 x 210 x 55 mm	950 g
Spare blade	17179	-	-

Set equipment:
- Insulated handle 1717 1
- Stripping inserts: 16, 25, 35, 50, 54,6 , 70 mm²
- 3 Spare blades 1717 9
- Allen wrench 2,5 mm 1710 0
- Rigid resin case AB17170



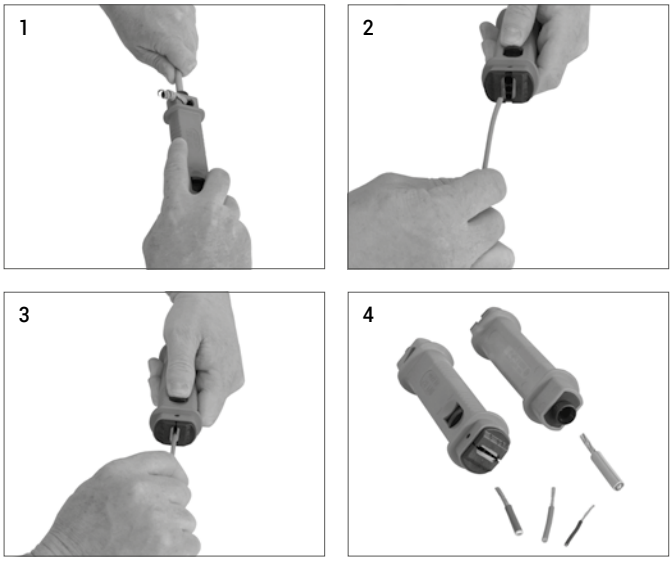
FSI - Insulated wire stripper for cables from 2.5 to 10 mm²

RIGID SINGLE POLE	10 mm²
FLEXIBLE SINGLE POLE	2,5 - 4 - 6 mm²

Technical characteristics:
- 20 mm stripping depth
- Blade built into the tool
- The tool can be used with one hand only and allow easy stripping of cables lenghts of 20 mm
- The tool is provided with two hand - guards. Central handling permits all stripping operations
- Blades are located in a secure position to prevent accidental contact with worker's hands during the stripping operations and to assure the clean stripping of the insulation



Wire stripper - AE6200



- EASY HANDLING THROUGH PREADJUSTED INSERTS
- SUITABLE TO WORK ON LIVE PARTS 1000V
- DESIGNED TO WORK IN LIMITED SPACE



Soft nylon case - AB6200

Description	Order No.	Dimensions	Weight
Set: FSI	AE6200	175 x 65 x 50 mm	150 g

Set equipment:
- Insulated stripping tool AE6200
- Soft nylon case AB6200

STRIPPING TOOLS FOR SEMICONDUCTOR



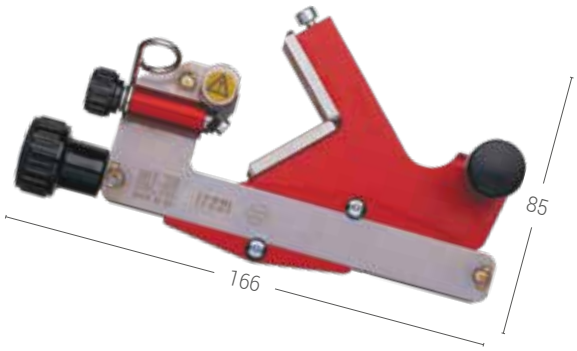
Norm: EN10020

FBS - Cable stripper for vulcanized semiconductive layer

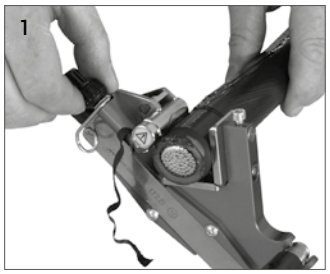
APPLICATION RANGE	Ø 10 - 52 mm
INSULATION THICKNESS	0 - 1,5 mm
SUGGESTED APPLICATION	Vulcanized, extruded, bonded semiconductive layer

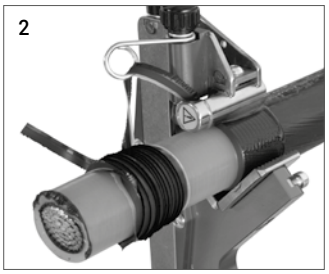
Technical characteristics:

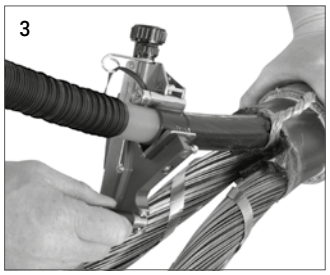
- Positioning on the cable comparable to a vice system
- Axial feed activation/deactivation device (usable in both directions): Through the stripping operation starting from outside of the cable, 25mm of the semicon layer will not be stripped (as shown in the pictures). By the stripping operation from inside to outside about 6 mm of semicon layer will remain.
- Stripping can be done starting from any position on the cable
- Maximal rotating diameter 200 mm
- Interchangeable blade

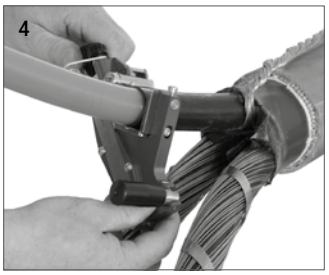


Cable stripper FBS - 1722 1











FBS-Set - 1722 0

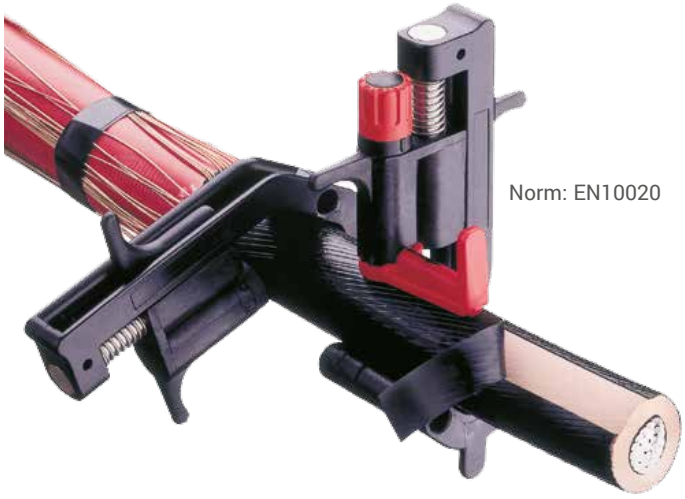
- SMALL AND COMPACT DESIGN
- PERFECT CIRCULAR CUT
- STEP BY STEP DEPTH ADJUSTMENT (WITH LOCKING POSSIBILITY)

Description	Order No.	Dimensions	Weight
Set: FBS	17220	235 x 200 x 55 mm	800 g
Spare blade 17"	17142	-	-
Spare parts kit (2x plates, 1x roll, suitable screws)	17145	-	-

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!

Set equipment:

- FBS - cable stripper 1722 1
- 2,5 mm Allen wrench 1710 0
- Tube of silicone grease AG1013
- Rigid resin case AB17220



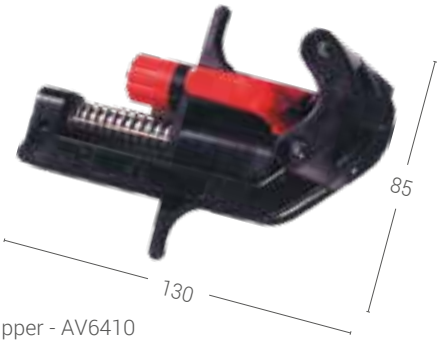
Norm: EN10020

HLS - Cable stripper for non-vulcanized semiconductive layer

APPLICATION RANGE	Ø 16 - 41 mm
INSULATION THICKNESS	0 - 2 mm
SUGGESTED APPLICATION	Non vulcanized, peelable semiconductive layer

Technical characteristics:

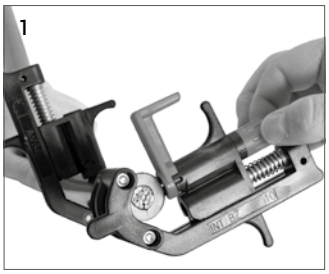
- To strip the non-vulcanized semiconductive layer of MV cables
- Longitudinal, helical and circular cuts
- Positioned on the cable comparable to a vice system
- Stop clamp to limit the stripping length
- Gradually depth adjustment
- Maximal rotating diameter 130 mm
- The positioning of the stripper and holding of stops-clamp is assured by the pressure of the spring
- The incision depth can be adjusted from 0 to 0,9 mm with 0,1 mm steps each by turning the corresponding knob
- The start of longitudinal incision can be done in exact correspondence with the circumferential incision.

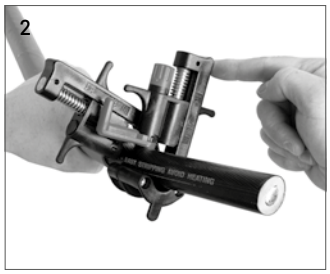


Cable stripper - AV6410



Stop clamp - AV6411









- SMALL AND COMPACT DESIGN
- PERFECT PRECISE CIRCULAR CUT
- NO INCISIONS ON SURFACE BELOW

Description	Order No.	Dimensions	Weight
Set: HLS	AV6400	175 x 65 x 50 mm	600 g
Spare blade	AV6499	-	-

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!

Set equipment:

- HLS - cable stripper AV6410
- Stop clamp AV6411
- Tube of silicone grease AG1013
- Rigid resin case AB6400



HLS-Set - AV6400



Norm: EN10020



Handle - AV6300



Stripping insert - AV63...



IMS 20kV-Set - AV6310

IMS - Cable stripper for primary insulation

APPLICATION RANGE	25 - 240 mm²
INSULATION THICKNESS	Preadjusted stripping inserts
SUGGESTED APPLICATION	Any type of primary insulation

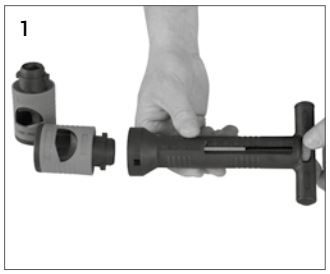
Technical characteristics:
- Suitable for MV cables 10/11kV or 20/22kV
- Stripping length adjustable from 20 to 100 mm using the device integrated in the handle
- Scale marked on the handle for preset stripping length
- Handle with bayonet connection
- Interchangeable blade

Inserts available:

10 - 11kV
- Insert for 35 mm² 1716021
- Insert for 50 mm² 1716024
- Insert for 120 mm² 1716013
- Insert for 150 mm² 1716027
- Insert for 185 mm² 1716020
- Insert for 240 mm² 1716006

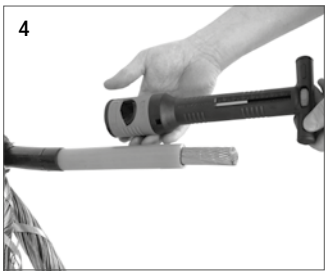
20 - 22kV
- Insert for 25 mm² AV63025
- Insert for 35 mm² AV63035
- Insert for 50 mm² AV63050
- Insert for 70 mm² AV63070
- Insert for 95 mm² AV63095
- Insert for 120 mm² AV63120
- Insert for 150 mm² AV63150
- Insert for 185 mm² AV63185
- Insert for 240 mm² AV63240

Other inserts available on request (10kV, 30kV, customized sizes), by sending PE-Coating Ø and Conductor Ø in mm









- EASY HANDLING THROUGH PREADJUSTED INSERTS
- ADJUSTABLE STRIPPING LENGTH
- DESIGNED TO WORK IN LIMITED SPACE

Description	Order No.	Dimensions	Weight
Set: IMS 20kV	AV6310	330 x 290 x 75 mm	600 g
Set: IMS 20kV + AMS	AV6320	330 x 290 x 75 mm	1,70 kg
Spare blade	AV6399	-	-

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!

Set equipment: - AV6310:
- Handle AV6300
- Stripping inserts 25, 35, 50, 70, 95, 120, 150, 185, 240 mm²
- Rigid resin case AB6300

Set equipment - AV6320 like model AV6310 including:
- AMS - cable stripper AV6221



Cable stripper for primary insulation

APPLICATION RANGE	300 or 400 mm²
INSULATION THICKNESS	Preadjusted stripping inserts
SUGGESTED APPLICATION	Any type of primary insulation

Technical characteristics:
- Suitable for MV cables 10/11kV or 20/22kV
- Unlimited stripping length
- Devise with two integrated handles
- Interchangeable blade
- Designed to strip both ends

- UNLIMITED STRIPPING LENGTH
- EXCELLENT TO WORK IN EMPTY SPACE
- COMFORTABLE HANDLING



Description	Order No.	Dimensions	Weight
Stripping insert for **300 mm²**	AV63300	231 x 90 mm	1380 g
Stripping insert for **400 mm²**	AV63400	231 x 90 mm	1330 g

STRIPPING TOOLS FOR PRIMARY INSULATION



Norm: EN10020



Stripping Tool IMS II - 1723 1

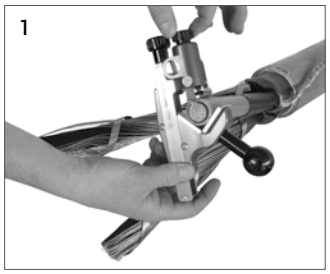


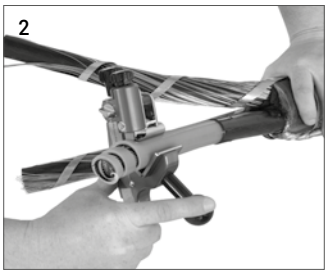
IMS II-Set - 1723 0

IMS II - Universal cable stripper for primary insulation

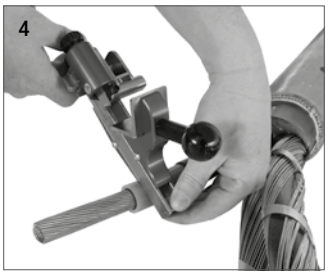
APPLICATION RANGE	Ø 15 - 52 mm
INSULATION THICKNESS	0 - 15 mm
SUGGESTED APPLICATION	Any type of primary insulation

Technical characteristics:
- Designed to remove the primary insulation of 6 to 45kV cables
- Helical and circular cuts
- Max. rotating diameter 220 mm
- Snap knob to activate/deactivate axial feed
- Positioned on the cable like a vice system
- Designed to strip both ends
- Unlimited stripping length
- Interchangeable blade







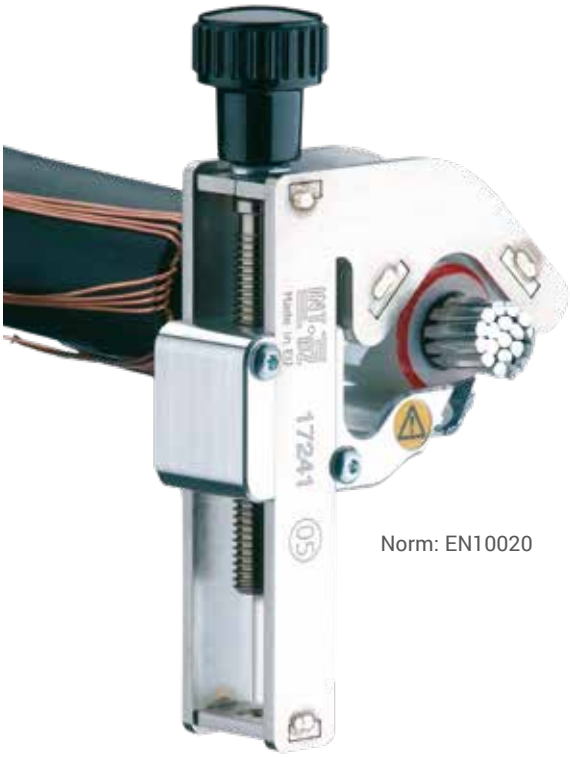


- REDUCED ROTATION ENABLES TO WORK ON LIMITED SPACE
- PERFECT CIRCULAR CUT
- NO INCISIONS ON SURFACE BELOW

Description	Order No.	Dimensions	Weight
Set: IMS II	17230	280 x 210 x 65 mm	1,0 kg
Spare blade	17232	-	-
Spare parts kit (2x plates, 1x roll, suitable screws)	17235	-	-

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!

Set equipment:
- IMS II - cable stripper 1723 1
- 2,5 mm Allen wrench 1710 0
- Tube of silicone grease AG1013
- Rigid resin case AB17230



Norm: EN10020

UFS - Tool for chamfering primary insulation

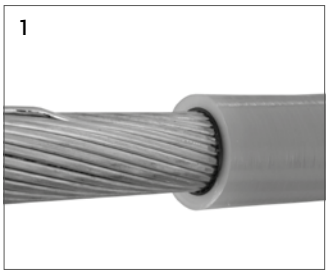
APPLICATION RANGE	Ø 15 - 60 mm
SUGGESTED APPLICATION	Any type of primary insulation

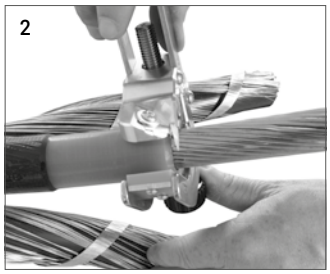
Technical characteristics:

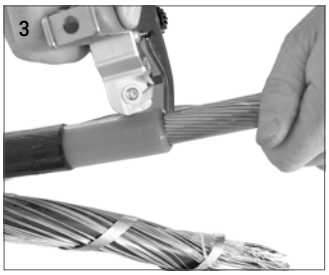
- Designed for chamfered cuts of primary insulation of MV cables (2 x 45°)
- Positioning on the cable with a clamp system
- Tool fitted with PTFE plates ensuring optimal sliding on the cable without the use of silicone paste
- Replaceable blade
- Rotation diameter max. 130 mm
- This tool is not suitable for pencilling

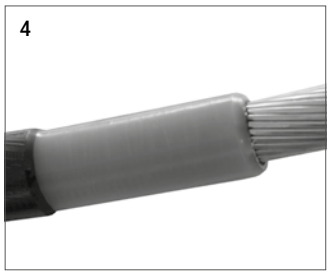


UFS - 1724 1









- SMALL SELFROTATING TO WORK ON LIMITED SPACE
- EASY HANDLING THROUGH 1 ADJUSTING KNOB
- UNIVERSAL UP TO 45 KV

Description	Order No.	Dimensions	Weight
Set: UFS	17240	170 x 100 x 50 mm	390 g
Spare blade	17242	-	-

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!



UFS-Set - 1724 0

Set equipment:

- UFS - tool for chamfered cuts of primary insulation 1724 1
- 2,5 mm Allen wrench 1710 0
- Soft nylon case AB17130

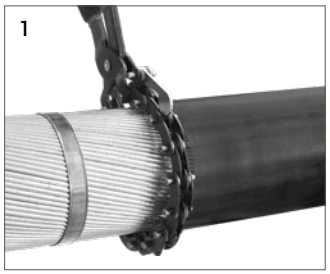
CUTTING TOOL FOR ARMOURED CABLE

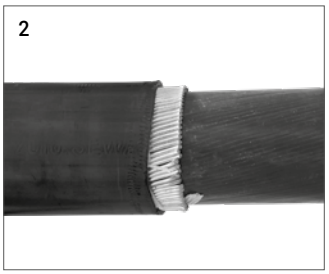


Roller chains cutter

APPLICATION RANGE	Ø 20 - 76 mm
SUGGESTED APPLICATION	Armoured cables

Technical characteristics:
- Designed for effortles and fast settling of the F-armouring
- Practical tool, works in hard-to-reach areas small space for turning





- PERFECT STRAIGHT CLEAN CUT
- QUICK SETTLING AROUND THE CABLE
- EASY HANDLING



Roller chains cutter - 1609076

Description	Order No.	Dimensions	Weight
Set roller chains cutter	1609076	260 x 140 x 65 mm	0,8 kg

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE!

Set equipment:
- Roller chains cutter 1609076
- Pressure spring RF5 126299
- Soft nylon case AB6230



Available in different sizes
(cable Ø 6-92 mm) on request

Pressure spring RF5 - 126299



Soft nylon case - AB6230



Set - Stripping tools - 1799 001

Suitable to strip the outer sheaths, semiconductive layer and to remove the primary insulation. Optimal equipment for the realization of the entire stripping procedure of most diverse cable types.

Description	Order No.	Dimensions	Weight
Set: Stripping tools	1799001	390 x 340 x 100 mm	4,0 kg

Set equipment:

- AIS - cable stripper 1719 6
- Feed lever 1719 4
- 14 pieces of 10 colored indication washers ..... -
- 2 spare screws to fasten the blade 1719 7
- FBS - cable stripper 1722 1
- IMS II - cable stripper 1723 1
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0
- Rigid resin case 1799 000



Set - Stripping tools - 1799 002

Suitable to strip the outer sheaths, semiconductive layer and to remove the primary insulation. Optimal equipment for the realization of the entire stripping procedure of most diverse cable types

Description	Order No.	Dimensions	Weight
Set: Stripping tools	1799002	390 x 340 x 100 mm	3,0 kg

Set equipment:

- Universal cable stripper - AMS AV6221
- IMS II - cable stripper 1723 1
- FBS - cable stripper 1722 1
- Cable knife AV3920
- Special electricians scissors 1601 0
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0
- Rigid resin case AG3000

Optional (to be ordered separately):

- Handle IMS 20kV AV6300
- 4 stripping inserts of your choice (see page xx) ..... AV63...



Set - Stripping tools for MV cable

Suitable to strip the outer sheaths, semiconductive layer and to remove the primary insulation on 10 / 20 / 30 kV cables

Description	Order No.	Dimensions	Weight
Set: Stripping MV cable	1799004	390 x 340 x 100 mm	3,4 kg

Set equipment:
- AMX cable stripper 1730 0
- Feed lever 1719 4
- AMS cable stripper without case AV6221
- FBS wire stripper 1722 1
- Cable stripper IMS II 1723 1
- UFS - tool for chamfered cuts of primary insulation 1724 1
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0
- Rigid resin case AB17250



AMX - AIRBAG - Complete cable stripping tool set for AIRBAG-cable

Designed for complete stripping of individual sheaths from AIRBAG cables. AMX stripping pliers can also cut into the POLYLAM jacket without touching the semiconductive layer below

Description	Order No.	Dimensions	Weight
Set: AMX - AIRBAG	17210	390 x 340 x 100 mm	3,2 kg

Set equipment:
- AMX cable stripper 1730 0
- Feed lever 1719 4
- AMS cable stripper without case AV6221
- FBS wire stripper 1722 1
- Handle for IMS AV6300
- Spec. 70 mm² stripping insert 1716 012
- Spec. 185 mm² stripping insert 1716 010
- 3 spare blades for IMS insert AV6399
- Universal knife with blade guard AV3910
- 3 spare blades for universal knife AV3911
- Special electricians scissors 1601 0
- Round jacket spread 652 002
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0
- Rigid resin case AB17240



1716 010 - Stripping insert for reduced insulation - section 185 mm²



1716 012 - Stripping insert for reduced insulation - section 70 mm²



AIS - AIRBAG - Complete cable stripping tool set for AIRBAG-cable

Designed for complete stripping of individual sheaths from AIRBAG cables. AIS - AIRBAG stripping pliers can also cut into the POLYLAM jacket without touching the semiconductive layer below

Description	Order No.	Dimensions	Weight
Set: AIS - AIRBAG	17200	390 x 340 x 100 mm	3,2 kg
Set: AIS - AIRBAG red.	17201	390 x 340 x 100 mm	1,9 kg

Set equipment (1720 0):
- AIS - AIRBAG cable stripper 1719 8
- Feed lever 1719 4
- 2 blade fastening screws (spares) 1719 7
- Set of spare blades with washers 1719 9
- AMS cable stripper without case AV6221
- FBS wire stripper 1722 1
- Handle for IMS AV6300
- Spec. 70 mm² stripping insert 1716 012
- Spec. 185 mm² stripping insert 1716 010
- 3 spare blades for IMS insert AV6399
- Universal knife with blade guard AV3910
- 3 spare blades for universal knife AV3911
- Special electricians scissors 1601 0
- Round jacket spread 652 002
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0
- Rigid plastic case AB17200

Reduced equipment (1720 1):
- AIS - AIRBAG cable stripper 1719 8
- Feed lever 1719 4
- Blade fastening screws (spares) 1719 7
- Set of spare blades with washers ..... -
- 2,5 mm Allen wrench 1710 1
- Rigid resin case AB17200



Set 1 - Stripping tools for armoured cables

Description	Order No.	Dimensions	Weight
Set 1	1799005	390 x 340 x 100 mm	3,2 kg

Set equipment:
- AMS cable stripper without case AV6221
- FBS wire stripper 1722 1
- Cable stripper IMS II 1723 1
- UFS - tool for chamfered cuts of primary insulation 1724 1
- Tube of silicone grease AG1013
- Roller chains cutter 1609076
- 2x pressure spring RF5 126299
- 2,5 mm Allen wrench 1710 0
- Rigid resin case AB17260



Set 2 - Stripping tools for armoured cables

Description	Order No.	Dimensions	Weight
Set 2	1799006	390 x 340 x 100 mm	3,9 kg

Set equipment:

- Cable stripper AMS-MAXI without case AV6240
- Cable stripper IMS II 1723 1
- FBS wire stripper 1722 1
- UFS - tool for chamfered cuts of primary insulation 1724 1
- Roller chains cutter 1609076
- 2x pressure spring RF5 126299
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0
- Rigid resin case AB17260



Set 3 - Stripping tools for armoured cables

Description	Order No.	Dimensions	Weight
Set 3	1799007	390 x 340 x 100 mm	3,7 kg

Set equipment:

- Cable stripper AMS-MAXI without case AV6240
- Cable stripper IMS II 1723 1
- UFS - tool for chamfered cuts of primary insulation 1724 1
- HLS - cable stripper AV6410
- Stop clamp AV6411
- Roller chains cutter 1609076
- 2x pressure spring RF5 126299
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0
- Rigid resin case AB17260



Set 4 - Stripping tools for armoured cables

Description	Order No.	Dimensions	Weight
Set 4	1799008	390 x 340 x 100 mm	3,0 kg

Set equipment:

- AMS cable stripper without case AV6221
- Cable stripper IMS II 1723 1
- UFS - tool for chamfered cuts of primary insulation 1724 1
- HLS - cable stripper AV6410
- Stop clamp AV6411
- Roller chains cutter 1609076
- 2x pressure spring RF5 126299
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0
- Rigid resin case AB17260



Stripping tools KIT

Description	Order No.	Dimensions	Weight
Set 5	1799013	390 x 340 x 100 mm	3,0 kg

Set equipment:

- AMS cable stripper without case AV6221
- Cable stripper IMS II 1723 1
- HLS - cable stripper AV6410
- Stop clamp AV6411
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0
- FBS wire stripper 1722 1
- Rigid resin case .....

CABLE JOINTERS CASE



Tool kit for cable jointers

Basic equipment (AG2020):

- Case AG2000
- 1/20 sliding caliper 150 mm AG1001
- Measuring rod 3 m 7406 030
- Steel brush for files AG1014
- Rasp without handle AG1005
- Half round file with handle AG1004
- Screwdriver slotted screws 3x100 mm FII 1301 030
- Screwdriver slotted screws 4x100 mm FII 1301 040
- Screwdriver slotted screws 5x125 mm FII 1301 055
- Ball-point screwdriver hex socket 6 mm FII 1305 060
- Mallet 300 g 7130 582
- Mallet Ø 35 mm AG1010
- Sheath spreader AG1011
- Special electricians' scissors 1601 1
- Cable knife with interch. blade. AV3920
- Spare blade for AV3920 ..... AV3921
- Knife with trapezoidal blade AV3910
- 3 spare blades for AV3910 ..... AV3911
- High precision lens with light AG1012
- Universal pliers 180 mm ..... AP0119 N
- Cable cutter 160 mm AP1017
- Tube of silicone grease AG1013
- 2,5 mm Allen wrench 1710 0





Codes for kit with additional tools:

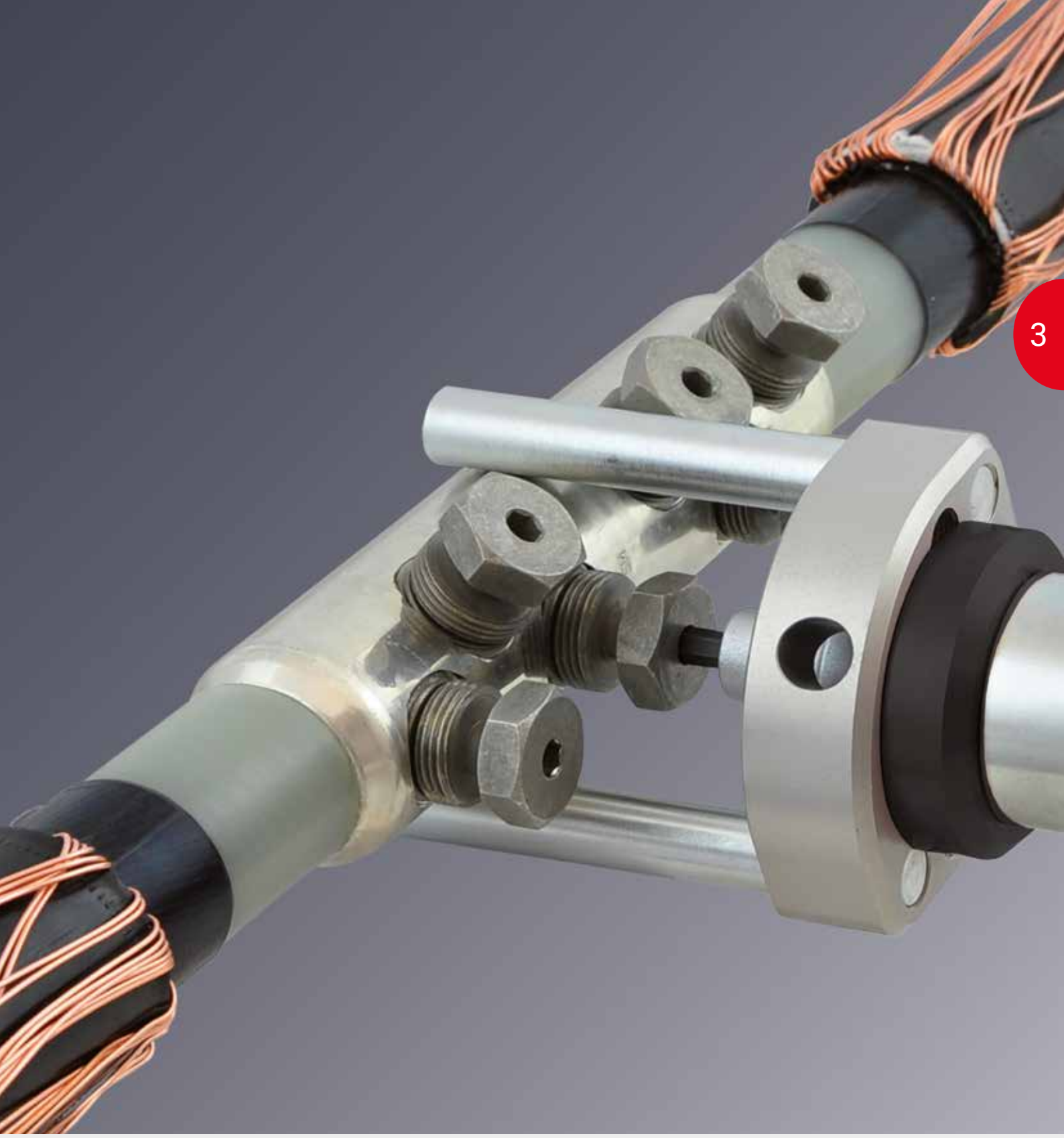
AG2020+...	A	B	C	D	E	F
	Ratchet cable cutter Ø 54 mm 	Cable stripper AMS (without case) (see page 69) 	Stripper MV cables IMS20kV (without case) (see page 78) 	Stripper non-vulcanized semiconductive - HLS (without case) (see page 77) 	Stripper vulcanized semiconductive - FBS (without case) (see page 76) 	Tool for chamfering primary insulation - UFS (without case) (see page 81) 

Example of ordering: AG2020ADF

Equipment:

- AG2020 - standard case
- A - ratchet cutter
- D - HLS stripper
- F - UFS chamfering tool

Description	Order No.	Dimensions	Weight
Basic tool kit	AG2020	450 x 380 x 200 mm	6,3 kg
Individual tool kit	AG2020...	450 x 380 x 200 mm	-
Empty case	AG2000	450 x 380 x 200 mm	3,7 kg



3

TOOLS FOR MECHANICAL CONNECTORS



1000V IEC 60900



Clamp device for screw connectors

Description	Order No.	Dimensions	for screw connectors Ø	Weight
Clamp device for screw connectors all sizes	161910	310 mm	25 - 50 mm	540 g
Clamp device for screw connectors all sizes	161900	280 mm	14 - 32 mm	400 g
Clamp device for screw connectors to Ø 15 mm	161906	240 mm	0 - 15 mm	350 g

- For a better handling of screw connectors on the installation of connecting boxes
- Infinitely adjustable
  for screw connectors 16 mm² - 240 mm² (161910)
  for screw connectors 2.5 mm² - 150 mm² (161900)
  for screw connectors 1.5 mm² - 16 mm² (161906)
  maximum holding capacity Ø 15/32/50 mm



1000V IEC 60900





Clamp device for screw connectors

Description	Order No.	Dimensions	Weight
Clamp device	22013	192 x 65 x 64 mm	350 g

Gives excellent clamping while screwing on screw connectors with diameters from 14 to 40mm.

Technical characteristics:
- Can work on live parts with voltages up to 1000V AC and 1500V DC
- Vice clamp system
- Usable with insulated and non-insulated connectors
- Insulated in compliance with IEC 60900/IEC900 Standards
- Tool designed for very low temperature work, down to -40°C

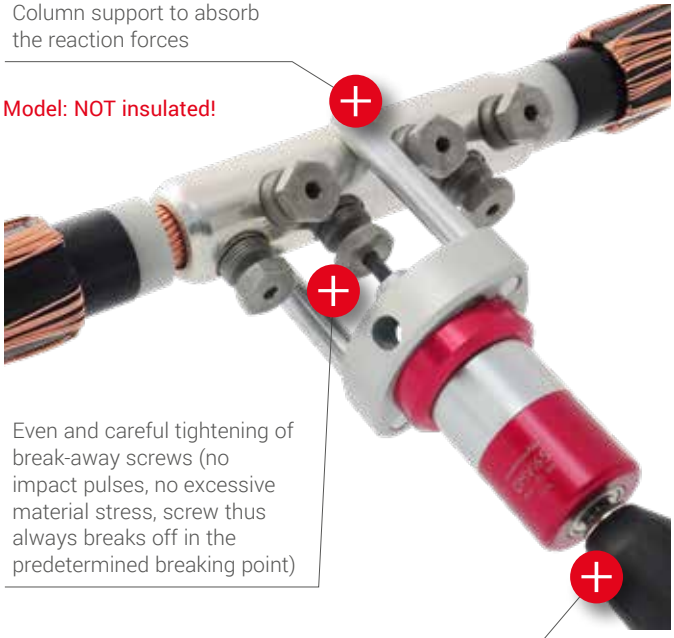
Standards:
- IEC 60900
- IEC 900
- EN10020



Set clamp device for screw connectors

Description	Order No.	Dimensions	Weight
Set clamp device	22010	192 x 140 x 40 mm	1,8 kg

Set equipment:
- Clamp device 2201 3
- Insulated reversible ratchet wrench ½" 1502 1
- Insulated 12-point female socket 13 ..... 1504 113
- Insulated 12-point female socket 17 ..... 1504 117
- Insulated 12-point female socket 19 ..... 1504 119
- Insulated male hex socket 5 ..... 1505 105
- Insulated male hex socket 6 ..... 1505 106
- Insulated male hex socket 8 ..... 1505 108



Torque amplifier for screw connectors

For controlled tightening of break-away screws on screw connectors, usable with all standard cordless screwdrivers with a chuck holder up to min. Ø 14 mm

Description	Order No.	Dimensions	Weight
Set of torque amplifiers	DMVI65	370x245x115 mm	approx. 1925 g

Technical characteristics:
- Simple and precise handling
- Material-friendly tightening of the screws by means of a transmission multiplier
- Transmission ratio 1: 24
- Use with standard cordless screwdriver
- Load capacity up to 65 Nm
- 3-edge adapter for drill chucks min. Ø 14 mm
- Tool dimensions: 199 x 89 mm
- Tool weight: approx. 1050 g

ATTENTION: DO NOT USE IN COMBINATION WITH IMPACT WRENCHES!



Torque amplifier set for screw connectors

Set equipment:
- Torque amplifier DMVI65
- Allen wrench SW5
- Spanner sockets SW10, SW13, SW14, SW17, SW19, SW22, SW24
- Wrench inserts SW5, SW6, SW8, SW10
- Case
- Use instructions



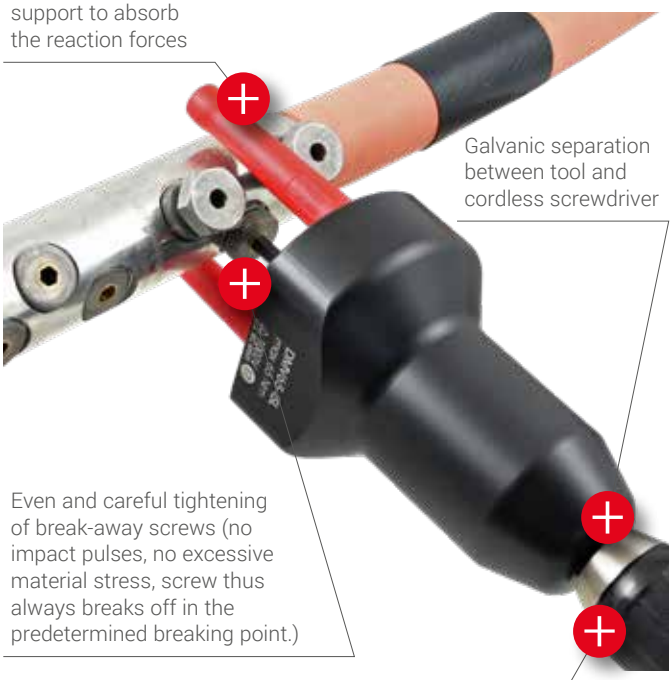
Wrench inserts



Spanner sockets

Spare parts:
Spanner sockets:
- SW10 109159
- SW13 109160
- SW14 109161
- SW17 109162
- SW19 109163
- SW22 109164
- SW24 109165

Wrench inserts:
- SW5 ..... M3105
- SW6 ..... M3106
- SW8 ..... M3108
- SW10 ..... M3110



Set of torque amplifiers electrically isolated - 1000V

Suitable for mounting screw connectors with voltage up to 1,000V

Description	Order No.	Dimensions	Weight
Set of torque amplifiers	DMVI-ISL	370x245x115 mm	approx. 3 kg

Technical characteristics:
- Simple and precise handling
- Insulated/ touch-protected pillar support to absorb the reaction forces
- 3-edge adapter for drill chucks min. Ø 14 mm
- Use with standard cordless screwdriver
- Material-friendly tightening of the screws by means of a transmission multiplier
- Transmission ratio 1: 24
- Load capacity up to 65 Nm
- Tool dimensions: 97 x 240 mm
- Tool weight: approx. 1050 g

ATTENTION: DO NOT USE IN COMBINATION WITH IMPACT WRENCHES!



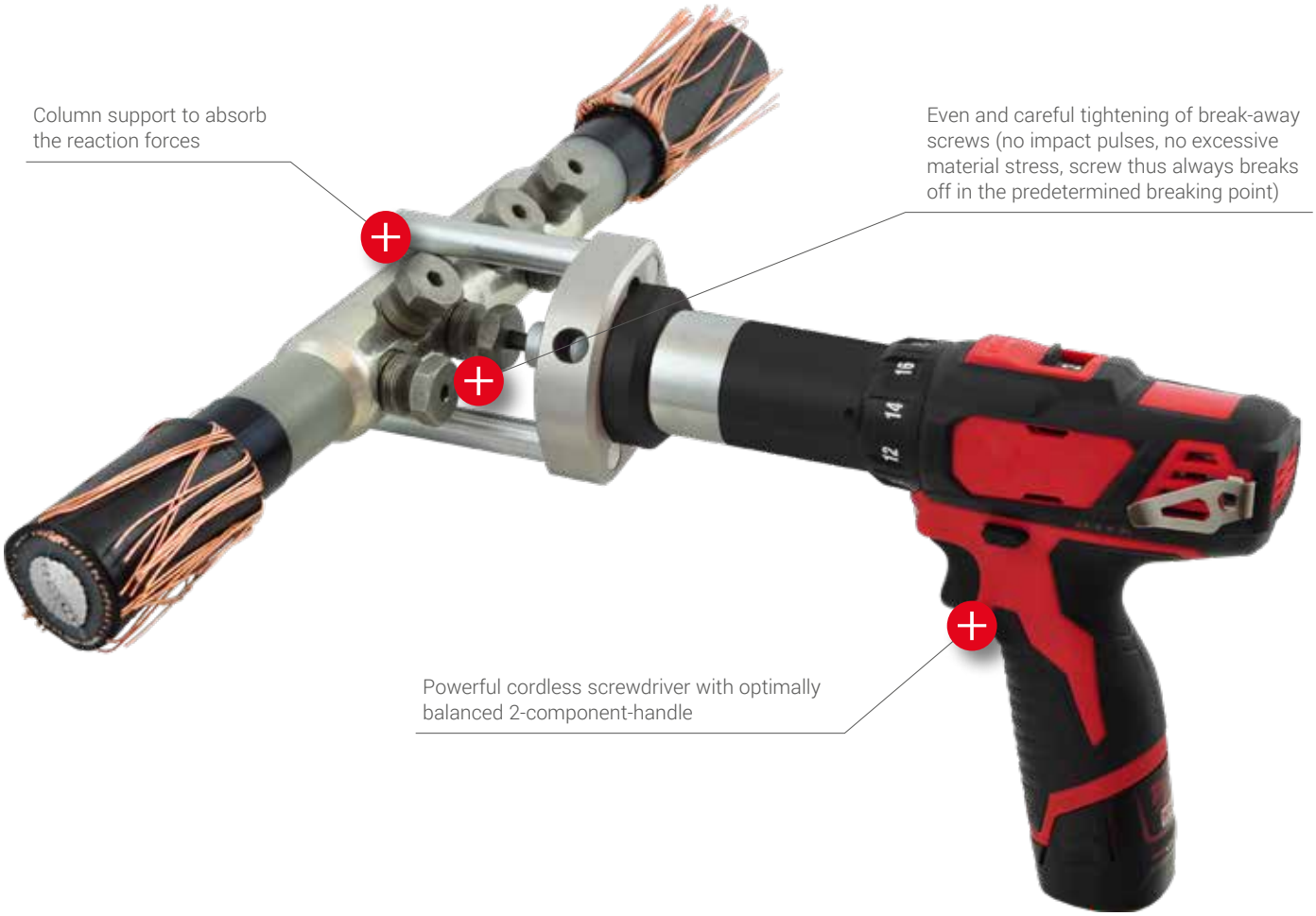
Set equipment:
- Set DMV65-PTG
- Case with foam insert
- Insulated torque amplifier
- Angle screwdriver S5
- Allen screwdriver bit 1/2" - 05
- Allen screwdriver bit 1/2" - 06
- Allen screwdriver bit 1/2" - 08
- Allen screwdriver bit 1/2" - 10
- Wrench socket 1/2" x 10
- Wrench socket 1/2" x 13
- Wrench socket 1/2" x 14
- Wrench socket 1/2" x 17
- Wrench socket 1/2" x 19
- Wrench socket 1/2" x 22
- Wrench socket 1/2" x 24
- Operating instructions



Wrench inserts



Spanner sockets





Battery operated torque amplifier for screw connectors

For controlled tightening of breake-away screws on screw connectors

Description	Order No.	Dimensions	Weight
Set battery torque amplifier	DMVI65A	480x280x125 mm	approx. 4,6 kg

Technical characteristics:

- Simple and precise handling
- Material-friendly tightening of the screws by means of a transmission multiplier
- Metal parts in high strength alloy steel, aluminium body with anodized surface
- Cordless screwdriver-body made entirely of shock-resistant plastic material
- Handle in 2-components material with soft grip for fatigue-free working
- The device is very well balanced
- Transmission ratio 1:24
- Load capacity up to 65 Nm - 2 speed positions
- ½" connector for female an male hex Socket
- Two positions for the bars: max. Ø 40 mm or max. Ø 53 mm
- Length bars: 80,5 mm
- Lithium-ion battery 12V-2,0 Ah - Charging time approx. 30 min
- Protection IP40 - Operating temperature -10°C - +40°C
- Tool dimensions 340 x 210 x 70 mm - Tool weight: approx. 2,1 kg

Set equipment

- Set DMV65-PTG
- Case with foam insert
- Insulated torque amplifier
- Angle screwdriver S5
- Allen screwdriver bit 1/2" - 05 / 06 / 08 / 10
- Wrench socket 1/2" x 10 / 13 / 14 / 17 / 19 / 22 / 24
- Operating instructions



4

CUTTING TOOLS

MECHANIC CUTTING TOOLS
HYDRAULIC CUTTING TOOLS
SAFETY CUTTING UNIT



Order No. 1623 032



1000V EN/IEC60900:2004

Insulated front ratchet cutter D32

APPLICATION RANGE	Ø 32 mm / 240 mm²
SUGGESTED APPLICATION	Copper and aluminium

Description	Order No.	Length	Weight
Ratchet cutter	**1621032**	315 mm	1200 g
Insulated ratchet cutter	**1623032**	315 mm	1300 g

- Comfortable one hand tool
- No jamming of the blade
- Cutting can be interrupted at any point in the cut
- Professional multi-layer dipped insulation
- Blades can be opened by acting on spring loaded lever

✓ SUITABLE TO WORK UNDER VOLTAGE



1000V EN/IEC60900:2004

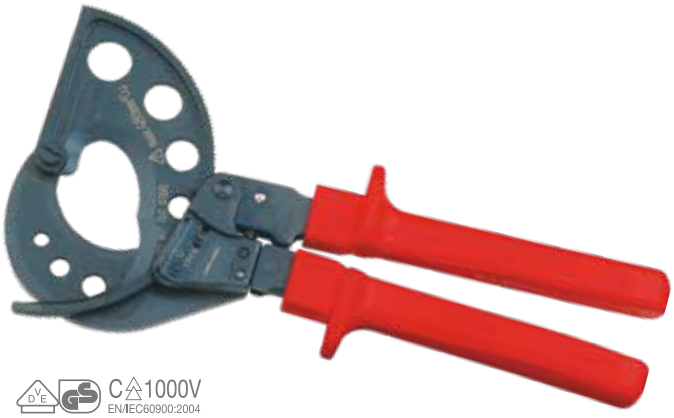
Ratchet cutter ACSR (Al/Steel) D32

APPLICATION RANGE	Ø 32 mm / 240 mm²
SUGGESTED APPLICATION	ACSR (Al/Steel)

Description	Order No.	Length	Weight
Ratchet cutter	**1608032**	346 mm	1400 g

- Replaceable cutting inserts
- High cutting capacity
- Low effort and small handle opening enable one-hand operation
- Progressive feed mechanism for cutting

✓ SUITABLE TO WORK UNDER VOLTAGE



1000V EN/IEC60900:2004

Insulated ratchet cable cutter D32/D54

ORDER NO. 160...	...5 032	...5 054
APPLICATION RANGE	Ø 32 mm/260 mm²	Ø 54 mm/480 mm²
SUGGESTED APPLICATION	Copper and aluminium	

- High leverage ratchet mechanism for single handed cutting of copper and aluminium cables leaving no burrs or sharp edges
- Patented Two-step ratchet mechanism requires fewer strokes per cut
- Quick release opens blades easily in every cutting position (allows removal of the cable even before complete cut, if necessary)
- Hardened steel cutting blades for lasting strength and sharpness
- 1000 V Plastic covered handles with hand guards for comfort and firm grip
- Locking lever keeps handles closed for easy transport fits in a tool box or bag

Description	Order No.	Length	Weight
Ratchet cutter D32	**1605032**	265 mm	650 g
Ratchet cutter D54 short	**1607054**	285 mm	800 g
Ratchet cutter D54 long	**1605054**	320 mm	900 g
Ratchet cutter D54 long (non ins.)	**1606054**	320 mm	900 g



ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE



Cable shears in ratchet design

APPLICATION RANGE	Ø 100 mm	Ø 60 mm
SUGGESTED APPLICATION	Cooper and aluminium	

Description	Order No.	Length	Weight
Cable shears	MSR100	820 mm	6,2 kg
Cable shears	MSR60	720 mm	4,8 kg

- Suitable for cutting Al/Cu cables
- Two-hand operation with lever transmission
- Cutting range: up to max. Ø 100 mm / Ø 60 mm
- Not suitable for cutting steel and steel wire

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE



Cable shears

Description	Order No.	Length	Weight
Cable shears	MS30	600 mm	2,2 kg

- Cable shears for cutting Al/Cu cable cutting area: 30 mm Ø, e.g. 4 x 35 mm² stranded

Accessories:
EK30 - replacement cutting head MS30

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE



Cable cutter

Description	Order No.	Length	Weight
Cable cutter	MS50	770 mm	3,0 kg

- Compound leverage two-hand snips for cutting of Al/Cu cable
- Cutting area: Ø 50 mm
- Flat ground knives made of high-quality steel
- Sickle-shaped, rounded blades for a safe and precise cut
- Impact-resistant, hardened handle tubes

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE



Cable cutter with telescopic handles

APPLICATION RANGE	185 mm²
JAW OPENING	28 mm
SUGGESTED APPLICATION	Copper and aluminium

Description	Order No.	Length	Weight
Cable cutter	253260	350 - 500 mm	2000 g
Spare blades	253760	-	300 g

- For smooth cutting of copper and aluminium conductors
- Replaceable cutting head
- The razor-sharp cutters guarantee a smooth and effortless cut
- For copper and aluminium cables only
- Handles with multi-coated insulation

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE



Cable cutter

ORDER NO. 2773...	... 46	... 61	... 80
JAW OPENING	30 mm	35 mm	60 mm
APPLICATION RANGE	120 mm²	180 mm²	500 mm²
SUGGESTED APPLICATION	Copper and aluminium		

Description	Order No.	Length	Weight
Cable cutter	277346	460 mm	1430 g
Spare blades	277946		640 g
Cable cutter	277361	600 mm	2070 g
Spare blades	277961		660 g
Cable cutter	277380	800 mm	3800 g
Spare blades	277980		1140 g

- Cutting head made of oil-hardened steel
- The razor-sharp blades guarantee a smooth and effortless cut
- Light metal handles
- Professional multi-coated insulation

Insulated wire rope cutter



ORDER NO. 277...	...4 46	...3 60
JAW OPENING	10 mm	20 mm
APPLICATION RANGE - STEEL (ROPE)	95 mm²	150 mm²
APPLICATION RANGE - STEEL (ROPE)	Ø 10 mm	Ø 12 mm
APPLICATION RANGE - STEEL (ROUND)	Ø 7 mm	Ø 9 mm
SUGGESTED APPLICATION	Copper, aluminium and steel	

Description	Order No.	Length	Weight
Wire rope cutter	277446	460 mm	1340 g
Spare blades	277846		475 g
Wire rope cutter	277360	600 mm	2710 g
Spare blades	277860		910 g

- Replaceable cutting head
- Cutting head made of special alloyed steel
- Square cut blades for the hardest steel wires
- Handles made of light metal
- Professional multi-coated insulation

Wire rope cutter



Description	Order No.	Length	Weight
Wire rope cutter C112	277562	730 mm	3600 g

- The elaborate transmission system of these tools develops amazing cutting power with little effort. This allows the separation of hardest wire ropes, bars and wires up to a Ø of 12.7 mm.
- All parts easily replaceable
- Light-metal mounting
- Case-hardened knives, for cutting very hard cables
- Handles made of forged aluminium
- Also available in insulation 23/5000

ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE

Insulated bolt cutter



ORDER NO. 2752...	... 46	... 61	... 76	... 91	... 95
APPLICATION RANGE Ø	7 mm	9 mm	11 mm	13 mm	15 mm
SUGGESTED APPLICATION	High tensile steel ropes / bolts				

Description	Order No.	Length	Weight
Bolt cutter insulated	275246	460 mm	1400 g
Spare blades	275047		1400 g
Bolt cutter insulated	275261	610 mm	2500 g
Spare blades	275062		1600 g
Bolt cutter insulated	275276	760 mm	4500 g
Spare blades	275077		1800 g
Bolt cutter insulated	275291	910 mm	6300 g
Spare blades	275092		1800 g



Hacksaw

WIDTH OF BLADE	5 mm
THICKNESS OF BLADE	0,80 mm

Description	Order No.	Length	Weight
Hacksaw	**424200**	280 mm	230 g
Spare saw-blade	**433010**	150 mm	3 g

- Made of flat steel 10 x 5 mm, galvanized
- For 148 mm saw-blades
- With insulated rotary handle for blade tension
- Insulation of soft, non-brittle plastic

ATTENTION: NOT SUGGESTED FOR WORK UNDER VOLTAGE



Hacksaw

WIDTH OF BLADE	13 mm
THICKNESS OF BLADE	0,63 mm

Description	Order No.	Length	Weight
Hacksaw / saw-blade	**424300**	470 mm	660 g
Blade 22/32 teeth width 13 mm, thickn. 0,63 mm	**421000**	300 mm	17 g
Blade 18 teeth width 13 mm, thickn. 0,63 mm	**421016**	300 mm	17 g
Blade double-sided 22/32 teeth width 25 mm, thickn. 0,8 mm	**421920**	300 mm	40 g

- With insulated wing bold for blade tension
- Insulation of soft, non-brittle plastic

ATTENTION: NOT SUGGESTED FOR WORK UNDER VOLTAGE



Insulated cable sheath saw

Description	Order No.	Length	Weight
Cable sheat saw (24 teeth, fine)	**430302**	250 mm	140 g
Saw-blade (14 teeth, coarse)	**430801**	120 mm	6 g
Saw-blade (24 teeth, fine)	**430805**	120 mm	6 g

- For steel strip armoured cable
- Adjustable stopper
- Replaceable saw-blade
- Coarse toothed saw-blade for soft materials
- Fine toothed saw-blade for sheet metal cutting, saw-blade no. 430805 - 24 teeth fine
- Insulation made of shock-proof material
- If desired, alternatively 14 saw blade teeth can be supplied

ATTENTION: NOT SUGGESTED FOR WORK UNDER VOLTAGE

BATTERY POWERED CUTTING TOOLS

The new battery operated hydraulic cutting tools are now more ergonomic, faster and more reliable than ever.

Reliable

3 years warranty



Clever

Easier work, thanks to the variable approach speed for precise positioning of the cutting tool

Always keep your sight

Integrated LED for illuminating the working area in poor light conditions

Powerful

18V 3Ah Lithium-Ion battery for even more cuts during one battery life

Ergonomic

Effortless working and ease handling due to equilibrate 2-component handle

HYDRAULIC CUTTING TOOLS - OVERVIEW

	Cutting heads	Hand operated	Battery operated tools		Max. cutting diameter	Application range	
SERIES 25	 PS25	 HS25	 STILO-S25	 AS25	Ø 25 mm	• Steel • ACSR • Aluminium • Copper	PAGE 103-105
SERIES 26			 STILO-S26		Ø 26 mm	• Steel • ACSR • Aluminium • Copper	PAGE 106
SERIES 40			 STILO-S40		Ø 40 mm	• Aluminium • Copper	PAGE 107
SERIES 45	 PS45	 HSI45		 AS45	Ø 45 mm	• Steel • ACSR • Aluminium • Copper	PAGE 108-109
SERIES 50	 PS50	 HSI50		 AS50	Ø 50 mm	• Aluminium • Copper • Light armoured cables	PAGE 110-111
SERIES 54			 STILO54		Ø 54 mm	• Aluminium • Copper	PAGE 112
SERIES 65	 PS65			 AS65	Ø 65 mm	• Aluminium • Copper • Light armoured cables	PAGE 113-114
SERIES 85	 PS85	 HSI85		 AS85	Ø 85 mm	• Aluminium • Copper • Light armoured cables	PAGE 115-116
SERIES 95	 PS95			 AS95	Ø 95 mm	• Aluminium • Copper • Light armoured cables	PAGE 117-118
SERIES 120-2	 PS120-2			 AS120-2	Ø 120 mm	• Aluminium • Copper • Light armoured cables	PAGE 119-120
SERIES 120	 PS120 (SK160)				Ø 120 mm	• Aluminium • Copper • Heavy armoured cables	PAGE 121

Main characteristics PS25 - HS25 - STILO25 - AS25

CUTTING DIAMETER	max. Ø 25 mm
SUGGESTED APPLICATION	Steel, ACSR, copper and aluminium

CUTTING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)

✓ SUITABLE TO CUT HEAVY DUTY WIRE ARMOURED CABLES





Soft nylon case
for PS25 - ST01



GMPS25

SMPS25

Spare blades

PS25 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical characteristics:
- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connector with automatic lock system and dust cap

Tool dimensions: ..... 81 x 206 x 54 mm
Tool weight: ..... 1,9 kg

Description	Order No.	Dimensions	Weight
Set cutting head PS25	PS25	140 x 230 x 60 mm	2,2 kg
Fixed cutting blade	GMPS25	-	200 g
Movable cutting blade	SMPS25	-	40 g

Set equipment:
- Hydraulic cutting head
- Soft nylon case for cutting head





Set HS25



GMPS25

SMPS25

Spare blades

HS25 - Hand operated hydraulic cutting tool

Technical characteristics:
- Light and compact structure
- Cutting head with snap closure and blade guide, rotates 360°
- Quick feed with double hydraulic cylinder
- Automatic pressure safety valve
- Manual return in any position

Tool dimensions: ..... 165 x 393 x 54 mm
Tool weight: ..... 2,9 kg

Description	Order No.	Dimensions	Weight
Set cutting tool HS25	HS25	440 x 190 x 80 mm	4,0 kg
Fixed cutting blade	GMPS25	-	200 g
Movable cutting blade	SMPS25	-	40 g

Set equipment:
- Test report
- Manual hydraulic cutting tool
- Rigid plastic case





GMPS25

SMPS25

Spare blades



Set STILO-S25

STILO-S25 - Battery operated cutting tool

The STILO-S25 battery powered hydraulic cable cutter is suitable for cutting through hard steel up to a thickness of 25mm

Technical characteristics:
- Right or left hand ergonomic non-slip cushioned grip
- Latch head design
- 360° tool head rotation
- Lightweight and compact design
- Extremely fast work due to triple axial piston pump
- DataTrack mini USB-port for connectivity
- Cutting curve and error message output
- No aborted cutting cycles due to ongoing monitoring of the remaining battery running time
- Multifunction LED indicator lights even to indicate the maintenance intervals
- LED battery charge indicator
- Heavy duty blades
- Soft start and quick stop increase the service life
- Manual return possible in any position
- Shutdown and automatic return after completion of a cutting cycle
- Automatic energy-saving mode after approx. 5 minutes

Tool dimensions: ..... 380 x 63 x 76 mm
Tool weight (with battery): ..... 3,7 kg

Description	Order No.	Dimensions	Weight
Set cutting tool STILO-S25	**STILO-S25**	450 x 500 x 140 mm	6,5 kg
Fixed cutting blade	**GMPS25**	-	200 g
Movable cutting blade	**SMPS25**	-	40 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case



AS25 - Battery operated hydraulic cutting tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Latch head design
- 360° tool head rotation
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 359 x 75 mm
Tool weight (with battery): ..... 4,2 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS25	**AS25**	580 x 470 x 115 mm	7,6 kg
Fixed cutting blade	**GMPS25**	-	200 g
Movable cutting blade	**SMPS25**	-	40 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Set AS25



GMPS25

SMPS25

Spare blades

CUTTING RANGE TABLE PS25 - HS25 - STILO-S25 - AS25

Sector of use:		Tensile strength N/mm²	<Ø 9 mm	Ø 10 mm	Ø 11 mm	Ø 12 mm	Ø 13 mm	Ø 14 mm	Ø 15 mm	Ø 16 mm	Ø 17 mm	Ø 18 mm	Ø 19 mm	Ø 20 mm	Ø 21 mm	Ø 22 mm	Ø 23 mm	Ø 24 mm	Ø 25 mm	Ø 26 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	Bar	<250	■	■	■	■	■	■	■	■	■	■	■	■	■					
	Bar	<300	■	■	■	■	■	■	■	■	■	■	■	■						
Aluminium	Rope and cable	<200	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	Bar	<160	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
	Bar	<340	■	■	■	■	■	■	■	■										
Aldrey	Cable	<340	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Alu/Steel	Rope	<1800	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
Steel	Rope (>200 wires)	<180	■	■	■	■	■	■	■	■	■	■								
	Bar	<420	■	■	■	■	■	■	■	■										
	Bar	<600	■	■	■	■	■													
	Rope	<2200	■	■	■															

Main characteristics STILO-S26

CUTTING DIAMETER	max. Ø 26 mm
SUGGESTED APPLICATION	Steel, ACSR, copper and aluminium



SM26



Set STILO-S26



STILO-S26 - Battery operated cutting tool

The STILO-S26 battery powered hydraulic cable cutter is suitable for cutting through hard steel up to a thickness of 26 mm

Technical characteristics:
- Right or left hand ergonomic non-slip cushioned grip
- Open cutting head design
- 360° tool head rotation
- Lightweight and compact design
- Extremely fast work due to triple axial piston pump
- DataTrack mini USB-port for connectivity
- Cutting curve and error message output
- No aborted cutting cycles due to ongoing monitoring of the remaining battery running time
- Multifunction LED indicator lights even to indicate the maintenance intervals
- LED battery charge indicator
- Heavy duty blades
- Soft start and quick stop increase the service life
- Manual return possible in any position
- Shutdown and automatic return after completion of a cutting cycle
- Automatic energy-saving mode after approx. 5 minutes

Tool dimensions: ..... 457 x 126 x 82 mm
Tool weight (with battery): ..... 4,2 kg

Description	Order No.	Dimensions	Weight
Set cutting tool STILO-S26	STILO-S26	450 x 500 x 140 mm	6,9 kg
Cutting insert Steel	SM26	-	40 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case

CUTTING RANGE TABLE STILO-S26

Sector of use:		Tensile strength N/mm²	<Ø 9 mm	Ø 10 mm	Ø 11 mm	Ø 12 mm	Ø 13 mm	Ø 14 mm	Ø 15 mm	Ø 16 mm	Ø 17 mm	Ø 18 mm	Ø 19 mm	Ø 20 mm	Ø 21 mm	Ø 22 mm	Ø 23 mm	Ø 24 mm	Ø 25 mm	Ø 26 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Bar	<250	■	■	■	■	■	■	■	■	■	■	■	■	■					
	Bar	<300	■	■	■	■	■	■	■	■	■	■	■	■						
Aluminium	Rope and cable	<200	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Bar	<160	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
	Bar	<340	■	■	■	■	■	■	■	■										
Aldrey	Cable	<340	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Alu/Steel	Rope	<1800	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
Steel	Rope (>200 wires)	<180	■	■	■	■	■	■	■	■	■	■								
	Bar	<420	■	■	■	■	■	■	■	■										
	Bar	<600	■	■	■	■	■													
	Rope	<2200	■	■	■															

Main characteristics STILO-S40

CUTTING DIAMETER	max. Ø 40 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	50 kN
OPERATING PRESSURE	550 bar (55 MPa)





Set STILO-S40

STILO-S40 - Battery operated hydraulic cutting tool DN 40mm

The Stilo-S40 battery powered hydraulic cable cutter is suitable for cutting thin and multi-core aluminium and copper cables up to 40 mm in diameter.

Technical characteristics:
- Open cutting head with endless rotation
- Cutting blades in alloyed and hardened tool steel with special coating for wear reduction
- Light, compact and resistant design
- Extremely fast work due to triple axial piston pump
- Electronic control and monitoring of the cutting process
- Service-friendly blade change due to simplified innovative design
- Patented cutting detection: automatic opening of the cutting edges and engine shutdown after completed cutting process
- Manual head opening possible in any position
- Multifunction electronics with sleep mode, maintenance indicator and service control
- 3-color LED for display of service, battery and cycle messages
- Readout of all cycles and service data via USB
- Charge level display directly on the battery
- Integrated service management with software updates via USB
- Fast head opening due to patented return system

Tool dimensions: ..... 457 x 130 x 82 mm
Tool weight (with battery): ..... 3,1 kg

Application area:
- AL-single core .....max. 4 x 120mm²
- AL-multi core .....max. 4 x 120mm²
- CU-multi core .....max. 4 x 95mm²
- Fine stranded cables .....Class 5

Description	Order No.	Dimensions	Weight
Set cutting tool STILO-S40	STILO-S40	450 x 500 x 140 mm	6,3 kg
Spare blades	SM40	-	500 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/1,5 Ah Li-Ion (RA20)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case

CUTTING RANGE TABLE STILO-S40

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																				
Aluminium	Cable	<210																				

4

Main characteristics PS45 - HSI45 - AS45

CUTTING DIAMETER	max. Ø 45 mm
SUGGESTED APPLICATION	Steel, ACSR, copper and aluminium

CUTTING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)

✓ SUITABLE TO CUT HEAVY DUTY WIRE ARMOURED CABLES





Soft nylon case for PS45 - ST02



GMPS45

SMPS45

Spare blades

PS45 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical characteristics:
- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connector with automatic lock system and dust cap

Tool dimensions ..... 98 x 305 x 69 mm
Tool weight: ..... 3,7 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS45	380 x 145 x 70 mm	3,0 kg
Fixed cutting blade	GMPS45	-	120 g
Movable cutting blade	SMPS45	-	100 g

Set equipment:
- Hydraulic cutting head
- Soft nylon case for cutting head





Set HSI45



GMPS45

SMPS45

Spare blades

HSI45 - Hand operated hydraulic cutting tool

Technical characteristics:
- Light and compact structure
- Cutting head with snap closure and blade guide, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return in any position

Tool dimensions: ..... 184 x 601 x 69 mm
Tool weight: ..... 5,7 kg

Description	Order No.	Dimensions	Weight
Set cutting tool	HSI45	700 x 260 x 105 mm	7,4 kg
Fixed cutting blade	GMPS45	-	120 g
Movable cutting blade	SMPS45	-	100 g

Set equipment:
- Test report
- Manual hydraulic cutting tool
- Plastic case



AS45 - Battery operated hydraulic cutting tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful led for working space illumination

Tool dimensions: ..... 331 x 434 x 75 mm
Tool weight (with battery): ..... 5,4 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS45	AS45	580 x 470 x 115 mm	8,8 kg
Fixed cutting blade	GMPS45	-	120 g
Movable cutting blade	SMPS45	-	100 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Set AS45



GMPS45

SMPS45

Spare blades

CUTTING RANGE TABLE PS45 - HSI45 - AS45

Sector of use:		Tensile strength N/mm²	<Ø 28 mm	Ø 29 mm	Ø 30 mm	Ø 31 mm	Ø 32 mm	Ø 33 mm	Ø 34 mm	Ø 35 mm	Ø 36 mm	Ø 37 mm	Ø 38 mm	Ø 39 mm	Ø 40 mm	Ø 41 mm	Ø 42 mm	Ø 43 mm	Ø 44 mm	Ø 45 mm	Ø 46 mm
Copper	Rope and cable	<410	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Aluminium	Rope and cable	<200	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	Bar	<340	■	■	■	■	■	■	■	■	■	■	■	■	■						
Alu/Steel	Rope	<1800	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

Sector of use:		Tensile strength N/mm²	Ø 9 mm	Ø 11 mm	Ø 12 mm	Ø 13 mm	Ø 14 mm	Ø 15 mm	Ø 16 mm	Ø 17 mm	Ø 18 mm	Ø 19 mm	Ø 20 mm	Ø 21 mm	Ø 22 mm	Ø 23 mm	Ø 24 mm	Ø 25 mm	Ø 26 mm	Ø 27 mm	Ø 28 mm
Copper	Bar	<250	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
	Bar	<300	■	■	■	■	■	■	■	■	■	■	■								
Aluminium	Bar	<160	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Aldrey	Cable	<340	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
	Rope (>200 wires)	<180	■	■	■	■	■	■	■	■	■										
Steel	Bar	<420	■	■	■	■	■	■	■												
	Bar	<600	■	■	■	■															
	Rope	<2200	■	■																	

4

Main characteristics PS50 - HSI50 - AS50

CUTTING DIAMETER	max. Ø 50 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)



Soft nylon case for PS50 - ST02





GMPS50

SMPS50

Spare blades

PS50 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical characteristics:
- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connector with automatic lock system and dust cap

Tool dimensions ..... 110 x 317 x 55 mm
Tool weight: ..... 2,9 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS50	380 x 140 x 70 mm	3,0 kg
Fixed cutting blade	GMPS50	-	320 g
Movable cutting blade	SMPS50	-	150 g

Set equipment:
- Hydraulic cutting head
- Soft case for cutting head

NOTE:
By adding "F" to the end of the order code (e.g. PS50F), you will order the tool equipped with sharper blades, suitable for very "F"ine stranded cables



Set HSI50





GMPS50

SMPS50

Spare blades

HSI50 - Hand operated hydraulic cutting tool

Technical characteristics:
- Light and compact structure
- Cutting head with snap closure and blade guide, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return in any position

Tool dimensions: ..... 195 x 612 x 58 mm
Tool weight: ..... 5,1 kg

Description	Order No.	Dimensions	Weight
Set cutting tool	HSI50	700 x 260 x 105 mm	6,8 kg
Fixed cutting blade	GMPS50	-	320 g
Movable cutting blade	SMPS50	-	150 g

Set equipment:
- Test report
- Manual hydraulic cutting tool
- Plastic case

NOTE:
By adding "F" to the end of the order code (e.g. HSI50F), you will order the tool equipped with sharper blades, suitable for very "F"ine stranded cables



AS50 - Battery operated hydraulic cutting tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 445 x 75 mm
Tool weight (with battery): ..... 5,4 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS50	**AS50**	580 x 470 x 115 mm	8,8 kg
Fixed cutting blade	**GMPS50**	-	320 g
Movable cutting blade	**SMPS50**	-	150 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)

NOTE:
By adding "**F**" to the end of the order code (e.g. AS50**F**), you will order the tool equipped with sharper blades, suitable for very "**F**"ine stranded cables



GMPS50

SMPS50

Spare blades



Set AS50

CUTTING RANGE TABLE PS50 - HSI50 - AS50

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																				
Aluminium	Cable	<210																				

Main characteristics STILO-S54

CUTTING DIAMETER	max. Ø 54 mm
SUGGESTED APPLICATION	Copper and aluminium





Set STILO-S54

STILO-S54 - Battery operated cutting tool

The STILO-S54 battery powered hydraulic cable cutter is suitable for cutting through thin and multi-core aluminium and copper cables up to a thickness of 54 mm

Technical characteristics:
- Open cutting head with endless rotation
- Cutting blades in alloyed and hardened tool steel with special coating for wear reduction
- Light, compact and resistant design
- Extremely fast work due to triple axial piston pump
- Electronic control and monitoring of the cutting process
- Service-friendly blade change due to simplified innovative design
- Patented cutting detection: automatic opening of the cutting edges and engine shutdown after completed cutting process
- Manual head opening possible in any position
- Multifunction electronics with sleep mode, maintenance indicator and service control
- 3-color LED for display of service, battery and cycle messages
- Readout of all cycles and service data via USB
- Charge status display directly on the battery
- Integrated service management with software updates via USB
- Fast head opening due to patented return system

- Tool dimensions: ..... 493 x 140 x 82 mm
- Tool weight (with battery): ..... 3,90 kg

Application area:
- CU/AL round multi core ..... max. 1 x 240mm²
- AL-single core ..... max. 4 x 150mm²
- AL-multi core ..... max. 4 x 185mm²
- CU-multi core ..... max. 4 x 120mm²
- Specially designed for power and underground cables

Description	Order No.	Dimensions	Weight
Set cutting tool STILO-S54	STILO-S54	450 x 500 x 140 mm	6,5 kg
Movable cutting blade	-	-	-

Accessories see page 209-212

Set equipment:
- Hydraulic cutting tool
- Sturdy transport case with deep-drawing insert
- RED-Li-Ion battery
- Battery charger
- Instruction manual
- Software
- USB cable

CUTTING RANGE TABLE STILO-S54

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 54 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																				
Aluminium	Cable	<210																				

Main characteristics PS65 - AS65

CUTTING DIAMETER	max. Ø 65 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	44 kN
OPERATING PRESSURE	700 bar (70 MPa)





Set PS65

PS65 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical characteristics:
- Light and compact structure
- Open cutting head with guide blade
- Easy handling through open cutting head
- Quick male connector with automatic lock system and dust cap

Tool dimensions ..... 146 x 372 x 88 mm
Tool weight: ..... 4,7 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS65	400 x 330 x 140 mm	6,3 kg
Movable cutting blade	SMI65	-	450 g
Knife guiding plate	MFI65	-	70 g

Set equipment:
- Hydraulic cutting head
- Plastic case

SMI65



Spare blade and blade guide

MFI65

SERIES 65 - MAX. 65 MM CUTTING DIAMETER



AS65 - Battery operated hydraulic cutting tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 502 x 88 mm
Tool weight (with battery): ..... 7,6 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS65	AS65	580 x 470 x 115 mm	11 kg
Movable cutting blade	SMI65	-	450 g
Knife guiding plate	MFI65	-	70 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Set AS65

SMI65



Spare blade and blade guide

MFI65

CUTTING RANGE TABLE PS65 - AS65

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																				
Aluminium	Cable	<210																				

Main characteristics PS85 - HSI85 - AS85

CUTTING DIAMETER	max. Ø 85 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	70 kN
OPERATING PRESSURE	700 bar (70 MPa)





Set PS85



GMPS85

SMPS85

Spare blades

PS85 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical Characteristics:
- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connector with automatic lock system and dust cap

Tool dimensions: ..... 135 x 391 x 70 mm
Tool weight: ..... 4,5 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS85	465 x 370 x 110 mm	5,8 kg
Fixed cutting blade	GMPS85	-	600 g
Movable cutting blade	SMPS85	-	400 g

Set equipment:
- Hydraulic cutting head
- Plastic case





Set HSI85



GMPS85

SMPS85

Spare blades

HSI85 - Hand Operated Hydraulic Cutting Tool

Technical Characteristics:
- Light and compact structure
- Cutting head with snap closure and blade guide, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return in any position

Tool dimensions: ..... 203 x 697 x 64 mm
Tool weight: ..... 7,3 kg

Description	Order No.	Dimensions	Weight
Set Cutting Tool	HSI85	700 x 230 x 75mm	13,1 kg
Fixed Cutting Blade	GMPS85	-	600 g
Movable Cutting Blade	SMPS85	-	400 g

Set equipment:
- Test report
- Manual hydraulic cutting tool
- Plastic case

SERIES 85 - MAX. 85 MM CUTTING DIAMETER



AS85 - Battery operated hydraulic cutting tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure; rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 522 x 75 mm
Tool weight (with battery): ..... 7,2 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS85	AS85	580 x 470 x 115 mm	10,7 kg
Fixed cutting blade	SMPS85	-	600 g
Movable cutting blade	SMPS85	-	500 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Set AS85



GMPS85

SMPS85

Spare blades

CUTTING RANGE TABLE PS85 - HSI85 - AS85

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																				
Aluminium	Cable	<210																				

Main characteristics PS95 - AS95

CUTTING DIAMETER	max. Ø 95 mm
SUGGESTED APPLICATION	Copper and Aluminium

CUTTING FORCE	65 kN
OPERATING PRESSURE	700 bar (70 MPa)



PS95 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical characteristics:
- Light and compact structure
- Open cutting head with guide blade
- Easy handling by open cutting head
- Quick male connector with automatic lock system and dust cap

Tool dimensions: ..... 200 x 472 x 88 mm
Tool weight: ..... 7,5 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS95	610 x 400 x 140 mm	10,1 kg
Movable cutting blade	SMI95	-	900 g
Knife guiding plate	MFI95	-	80 g

Set equipment:
- Hydraulic cutting head
- Plastic case

SMI95



Spare blade and blade guide

MFI95



Set PS95

SERIES 95 - MAX. 95 MM CUTTING DIAMETER



AS95 - Battery operated hydraulic cutting tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 344 x 603 x 91 mm
Tool weight (with battery): ..... 9,8 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS95	**AS95**	725 x 480 x 170 mm	13,9 kg
Movable cutting blade	**SMI95**	-	900 g
Knife guiding plate	**MFI95**	-	80 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Set AS95

SMI95



Spare blade and blade guide

MFI95

CUTTING RANGE TABLE PS95 - AS95

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																				
Aluminium	Cable	<210																				

Main characteristics PS120-2 - AS120-2

CUTTING DIAMETER	max. Ø 120 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)



PS120-2 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical characteristics:
- Light and compact structure
- Open cutting head with guide blade
- Easy handling by open cutting head
- Quick male connector with automatic lock system and dust cap

Tool dimensions: ..... 239 x 508 x 88 mm
Tool weight: ..... 8,2 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS120-2	610 x 400 x 140 mm	10,7 kg
Movable cutting blade	SMI120-2	-	1300 g
Knife guiding plate	MFI120-2	-	140 g

Set equipment:
- Hydraulic cutting head
- Plastic case



Set PS120-2

SMI120-2



Spare blade and blade guide

MFI120-2



AS120-2 - Battery operated hydraulic cutting tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 359 x 639 x 91 mm
Tool weight (with battery): ..... 10,5 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS120-2	**AS120-2**	725 x 480 x 170mm	14,6 kg
Movable cutting blade	**SMI120-2**	-	1300 g
Knife guiding plate	**MFI120-2**	-	140 g

Accessories see page 209-212

Set equipment:
- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Set AS120-2

SMI120-2



Spare blade and blade guide

MFI120-2

CUTTING RANGE TABLE PS120-2 - AS120-2

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																				
Aluminium	Cable	<210																				

Main characteristics PS120 - PS120-SK160

CUTTING DIAMETER	max. Ø 120 mm
SUGGESTED APPLICATION	Copper, aluminium, armoured cables

CUTTING FORCE	100 kN (PS120)/135 kN (PS120-SK160)
OPERATING PRESSURE	700 bar (70 MPa)

✓ SUITABLE TO CUT HEAVY DUTY STEEL WIRE ARMOURED CABLES





Set PS120



GMPS120TNB

SMPS120TNB

Spare blades

PS120 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical characteristics:
- Light and compact structure
- Blades made of high strength treated steel
- Quick male connector with automatic lock system and non detachable dust cap
- Head can be opened for easy cable insertion

Tool dimensions: ..... 174 x 491 x 89 mm
Tool weight: ..... 9,6 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS120	610 x 400 x 140 mm	14,8 kg
Fixed cutting blade	GMPS120TNB	-	1240 g
Movable cutting blade	SMPS120TNB	-	940 g

Set equipment:
- Hydraulic cutting head
- Metal case





Set PS120-SK160



GMPS120

SMPS120

Spare blades

PS120-SK160 - Hydraulic cutting head (for wire armoured aluminium and copper cables)

The unit is suggested to 700 bar hydraulic pump (max operating pressure 850 bar/85 MPa) (pages 201-208).

Technical characteristics:
- Light and compact structure
- The blades are made of high strength treated tool steel
- Head can be opened for easy cutting
- Cutting force 135 kN (700 bar) resp. 160 kN (850 bar)

Tool dimensions: ..... 174 x 491 x 89 mm
Tool weight: ..... 11 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS120-SK160	600 x 220 x 90 mm	16 kg
Fixed cutting blade	GMPS120	-	2,55 kg
Movable cutting blade	SMPS120	-	940 g

Set equipment:
- Hydraulic cutting head
- Metal case

CUTTING RANGE TABLE PS120 - SK160

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																				
Aluminium	Cable	<210																				
Armoured	Cable	<200																				

4

Electric Arc in a Test Shortcircuit

Photo:

The photographs below show the development of an electric arc during an experimental short circuit, and show clearly the danger that may threaten operators in the case of work done under tension. Personal injury can be avoided only by using insulated cable cutters.



Photo 1: 200 ms



Photo 2: 800 ms



Photo 3: 1.200 ms



Photo 4: 1.600 ms

Insulated Cable Shears

Description of the insulated cable shears:

The insulated cable cutter is a device for safe cable cutting when the cable may be live and the absence of tension cannot be checked with complete safety. Such a check is particularly difficult in metallic screened cables. Therefore, before proceeding with any cutting operations, it is essential to take adequate measures to guarantee the operator's safety. One such measure is the use of an insulated cable cutter. This device – conforming to DIN EN 50340 (VDE 0682 part 661) – is made up essentially of a hydraulic pump and a cutting head to which a high pressure non-metallic hose of length 10.5 m is connected by a steady fitting.

Field of application:

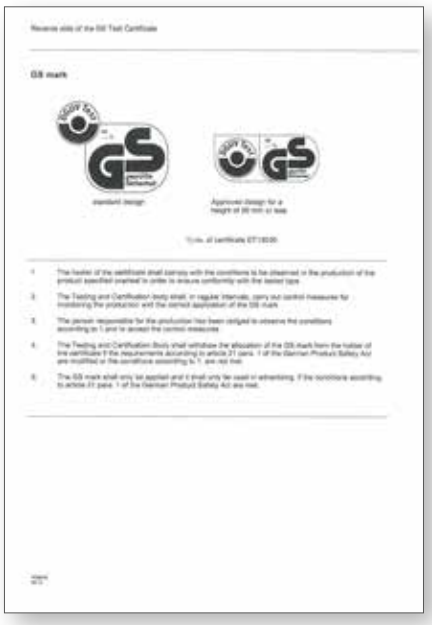
According to § 6.2 of the safety regulations "Electric Systems and Materials" (BGV A 2, ex VGB 4) and § 6.2 of EN 50 110 standard (VDE 0105 part 100), before carrying out any work on grounding systems for voltages up to 60kV the absence of tension must be guaranteed for the entire duration of the operations. As it is not always possible to make sure there is no tension at the point where we must operate, especially for ground cables, it is essential to avoid the problem by cutting the cable with a special insulated cable cutter and at the same time carrying out a check at the point of interruption, e.g. by checking at the main switchboard.

Equipotential connection - Grounding:

For insulated cable cutters the DIN EN 50340 standard requires grounding the cutter head and establishing an equipotential connection between the pump and the ground. These regulations must however be implemented while respecting directives currently applicable in single countries. According to the "BGI 845-ZH1 / 437" directives, for instance, in Germany the cutting head cannot be individually grounded because the networks themselves are already grounded. There must be however an equipotential connection between the pump and the ground.


DGUV Test

GS Test Certificate


GS mark

BATTERY OPERATED SAFETY CUTTING UNIT

with remote control

Highest safety level and easy handling even in rough working conditions. Guaranteed safe Cutting of copper and aluminium cables up to a max. diameter of 120mm and 60kV nominal voltage (Single core cables up to 110kV/60Hz)

Compact

Fibreglass plastic case -
4,5 kg - 290 x 190 x 205 mm

Light and Robust

Throught the inset of restistant materials



Remote control

For a ordinary handling

Powerful

Increased batterypower throught a
18V-Lithium-Ionen battery 3Ah

Tested for safety

60.000V



60.000V

SSA - Safety cutting unit with hydraulic pump and accumulator

Ideal for safe cutting of copper and aluminium cables up to the maximum allowable diameter for the head being used (see table below)

Technical characteristics:
- Very light, compact and robust structure of the pump and cutting heads, throught the inset from fibregass plastic and corrosion resistant materials
- Double piston technology for rapid high pressure feed
- Remote control
- Multifunktion LED to maintenance and battery state control
- Rotary quick coupling with dust cap
- Protection IP43

Operating pressure: ..... 625 bar (62.5 MPa)
Low pressure (< 100 bar) Pump capacity: ..... 1,5 l / min
High pressure (up to 700 bar) Pump capacity: ..... 0,1 l / min
Tank capacity: ..... 1200 ml
Operating temperature: ..... -20°C to +40°C

	SSA85-CP	SSA95-CP	SSA120S-CP	SSA120-2-CP
				
Cutting range	Ø 85 mm	Ø 95 mm	Ø 120 mm	Ø 120 mm
Cutting force	63 kN	58 kN	90 kN	54 kN
Working pressure	625 bar	625 bar	625 bar	625 bar
Headtype	close	open with blade guide	close	open with blade guide
Accumulator voltage	18 V	18 V	18 V	18 V
Tool weight	12,2 kg	14,8 kg	17,2 kg	15,6 kg
Dimensions pump	354 x 187 x 204 mm	354 x 187 x 204 mm	354 x 187 x 204 mm	354 x 187 x 204 mm
Dimensions head	345 x 135 x 65 mm	426 x 200 x 88 mm	491 x 190 x 80 mm	461 x 239 x 88 mm
Set with case	800 x 450 x 360 mm / 22 kg	800 x 450 x 360 mm / 24,6 kg	800 x 450 x 360 mm / 27 kg	800 x 450 x 360 mm / 25,4 kg



Set equipment
- Pump CP625-SSA
- Equipotential earthing rod with connection cable
- Hydraulic cutting head with flexible high pressure hose length 10,5 m
- Remote control with 1,5 m cable
- Transporting bag for CP625SSA
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Shoulder strap (TG3)
- USB-cable
- Plastic case with integral handle and wheels for easy transport of the entire equipment

Description	Order No.	Dimensions	Weight
Set: Grounding SSA120-CP, SSA85-CP	SSA-ERD1	length 1100 mm	4,6 kg
Set: Grounding SSA95-CP, SSA120-2-CP	SSA-ERD4	length 1100 mm	5,8 kg

Set equipment SSA-ERD:
- Earthing rod 1,1m
- Insulated earthing cable 6 m

GROUNDING DEVICE:
to be ordered separately



SSA-ERD3



60.000V

SSA95

SSA - Safety cutting unit

Ideal for safe cutting of copper and aluminium cables up to the maximum allowable diameter for the head being used (see table below)

Technical characteristics:
- Light and compact structure
- Reduced weight due to the use of light alloys and corrosion resistant materials
- Easy use and high stability due to the ergonomic pedal and the non-slip base
- Fast feeds by means of a double hydraulic cylinder
- Pressure control by pressure gauge
- Manual return in any position
- Rotary quick coupling with dust cap

Operating pressure: ..... 625 bar (62.5 MPa)
Low pressure pump capacity: ..... 18,3 cm³ / stroke
High pressure pump capacity: ..... 2 cm³ / stroke
Tank capacity: ..... 1200 ml
Operating temperature: ..... -20°C to +40°C

	SSA85	SSA95	SSA120	SSA120-2
				
Cutting range	Ø 85 mm	Ø 95 mm	Ø 120 mm	Ø 120 mm
Cutting force	63 kN	58 kN	90 kN	54 kN
Working pressure	625 bar	625 bar	625 bar	625 bar
Headtype	close	open with blade guide	close	open with blade guide
Tool weight	15,4 kg	17,4 kg	20,4 kg	18,7 kg
Dimensions pump	570 x 230 x 209 mm	570 x 230 x 209 mm	570 x 230 x 209 mm	570 x 230 x 209 mm
Dimensions head	345 x 135 x 65 mm	426 x 200 x 88 mm	491 x 190 x 80 mm	461 x 239 x 88 mm
Set with case	800 x 450 x 360 / 24 kg	800 x 450 x 360 / 26 kg	800 x 450 x 360 / 29,4 kg	800 x 450 x 360 / 27 kg



Set SSA

GROUNDING DEVICE:
to be ordered separately



SSA-ERD3

Set equipment
- Foot operated pump - FPI 63-SSA
- Equipotential earthing rod with connection cable
- Hydraulic cutting head with flexible high pressure hose length 10,5m
- Plastic case with integral handle and wheels for easy transport of the entire equipment (metal case available on request)

Description	Order No.	Dimensions	Weight
Set: Grounding SSA120, SSA85	SSA-ERD1	length 1100 mm	4,6 kg
Set: Grounding SSA95, SSA120-2	SSA-ERD4	length 1100 mm	5,8 kg

Set equipment SSA-ERD:
- Earthing rod 1,1m
- Insulated earthing cable 6 m

SAFETY CUTTING UNIT



60.000V

Adapter for insulated hydraulic cutting units proofed and certified according to GS-ET-23

Suitable for creating an insulated hydraulic cutting unit with the hydraulic battery pump CP700 / CP700EC. The adapter reduces the pressure of the hydraulic battery pump CP700 from 700 bar to the cutting heads of the insulated hydraulic cutting unit to 625 bar. It also ensures that between the safety cutting head and the hydraulic pump CP700 the oil doesn't mix and thus no "conductive contamination" gets into the insulating hose.

Technical characteristics:
- Functional parts made of high-quality steel with burnished surface
- Base made of stainless steel with aluminium tubes and high quality plastic plates for increased stability
- Pressure reduction from 700 bar to 625 bar
- Avoidance of oil mixing of the hydraulic unit to the cutting heads
- Position control and oil loss indicator
- Pressure gauge for pressure indication and control of the cutting process
- Connection for equipotential bonding

	AD-SSA85	AD-SSA95	AD-SSA120S	AD-SSA120-2
				
Cutting range	Ø 85 mm	Ø 95 mm	Ø 120 mm	Ø 120 mm
Cutting force	63 kN	58 kN	90 kN	54 kN
Working pressure	625 bar	625 bar	625 bar	625 bar
Headtype	close	open with blade guide	close	open with blade guide
Dimensions head	345 x 135 x 65 mm	426 x 200 x 88 mm	491 x 190 x 80 mm	461 x 239 x 88 mm
Set with case	800 x 450 x 360 / 24 kg	800 x 450 x 360 / 27 kg	800 x 450 x 360 / 29,5 kg	800 x 450 x 360 / 28 kg



Set SSA

Set equipment
- Foot operated pump - FPI 63-SSA
- Equipotential earthing rod with connection cable
- Hydraulic cutting head with flexible high pressure hose length 10,5m
- Plastic case with integral handle and wheels for easy transport of the entire equipment (metal case available on request)

Description	Order No.	Dimensions	Weight
Set: Grounding AD-SSA85, AD-SSA120S	SSA-ERD1	length 1100 mm	4,6 kg
Set: Grounding AD-SSA95, AD-SSA120-2	SSA-ERD4	length 1100 mm	5,8 kg

Set equipment SSA-ERD:
- Earthing rod 1,1m
- Insulated earthing cable 6 m

GROUNDING DEVICE:
to be ordered separately



SSA-ERD3



5

CRIMPING TOOLS

MECHANICAL CRIMPING TOOLS
HYDRAULICAL CRIMPING TOOLS
CRIMPING TOOLS

NEXT GENERATION OF MECHANICAL CRIMPING TOOLS





Set mechanical crimping tool with interchangeable dies

Description	Order No.	Dimensions	Weight
Set: Mechanic crimping tool	PM-TRE	220 mm	0,74 kg

Set equipment:
- Mechanic crimping tool
- Rigid resin case
- Crimping die for insulated cable connections 0,5 - 6 mm² - UEIQ6
- Crimping die for wire end sleeves 0,5 - 10 mm² - UEQ10
- Crimping die for wire end sleeves 0,14 - 10 mm² - UEAE10T

Technical characteristics:
- By 2 additional slots in the handle it is workable to transport up to 3 inserts directly in the tool
- Outstanding crimpings are reached due to a side crimping mechanism
- Inserts can be changed easily and without effort
- Further inserts are available from intercable to cover many different applications

Included dies



Crimping die for insulated cable connections

CRIMPING TYPE	Oval
CROSS-SECTION	0,5 - 6 mm²

Description	Order No.
Crimping die for insulated cable connections	UEIQ6



Crimping die for brazed seam and pin terminals

CRIMPING TYPE	Indent
CROSS-SECTION	0,5 - 10 mm²

Description	Order No.
Crimping die for brazed seam and pin terminals	UEQ10



Crimping die for end sleeves

CRIMPING TYPE	Trapezoid crimping
CROSS-SECTION	0,14 - 10 mm²

Description	Order No.
Crimping die for insulated cable connections	UEAE10T

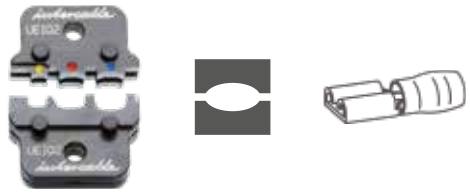


Set mechanical crimping tool with interchangeable dies

Description	Order No.	Dimensions	Weight
Set: Mechanic crimping tool	MPUSET-2	440 x 230 x 80 mm	0,9 kg

Set equipment:
- Mechanic crimping tool
- Rigid resin case
- Crimping die for insulated cable connections 0,5 - 6 mm² - UEIQ6
- Crimping die for wire end sleeves 0,14 - 2,5 mm² - UEAE2R
- Crimping die for wire end sleeves 4 - 16 mm² - UEAE16R

Crimping dies for basic tool MPU + MPU-L



Crimping die for insulated cable connections

CRIMPING TYPE	Oval
CROSS-SECTION	0,1 - 2,5 mm²
CRIMPING	Double crimping

Description	Order No.
Crimping die for insulated cable connections	UEIQ2



Crimping die for insulated cable connections

CRIMPING TYPE	Oval
CROSS-SECTION	0,5 - 6 mm²
CRIMPING	Double crimping

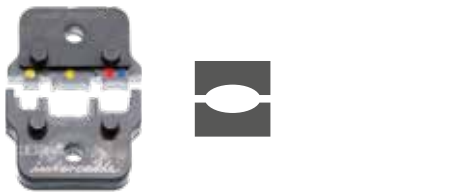
Description	Order No.
Crimping die for insulated cable connections	UEIQ6



Crimping die for insulated flag female disconnects

CRIMPING TYPE	Oval
CROSS-SECTION	0,5 - 2,5 mm²

Description	Order No.
Crimping die for insulated flag female disconnects	UEIQ2WF



Crimping die for insulated thermo-shrinking connector

CRIMPING TYPE	Oval
CROSS-SECTION	0,14 - 6 mm²
CRIMPING	Einfachverpressung

Description	Order No.
Crimping die for insulated thermo-shrinking connector	UEIQ6WS



Crimping die for end sleeves

CRIMPING TYPE	Round crimping
CROSS-SECTION	0,14 - 2,5 mm², 2 x 0,25 - 2 x 1,5 mm

Description	Order No.
Crimping die for end sleeves	UEAE2R



Crimping die for end sleeves

CRIMPING TYPE	Round crimping
CROSS-SECTION	4 - 16 mm², 2 x 2,5 mm

Description	Order No.
Crimping die for end sleeves	UEAE16R





Crimping die for end sleeves

CRIMPING TYPE	Round crimping
CROSS-SECTION	25 - 35 mm²

Description	Order No.
Crimping die for end sleeves	UEAE35R





Crimping die for end sleeves

CRIMPING TYPE	Round crimping
CROSS-SECTION	50 mm²

Description	Order No.
Crimping die for end sleeves	UEAE50R





Crimping die for twin end-sleeves

CRIMPING TYPE	Round crimping
CROSS-SECTION	2 x 4 - 2 x 16 mm²

Description	Order No.
Crimping die for twin end-sleeves	UEAE2X16R





Crimping die for brazed seam and pin terminals

CRIMPING TYPE	Indent
CROSS-SECTION	0,5 - 10 mm²

Description	Order No.
Crimping die for brazed seam and pin terminals	UEQ10





Crimping die for tubular cable lugs, R-series

CRIMPING TYPE	Double indent
CROSS-SECTION	0,5 - 2,5 mm²

Description	Order No.
Crimping die for tubular cable lugs, R-series	UER2





Crimping die for tubular cable lugs, R-series

CRIMPING TYPE	Double indent
CROSS-SECTION	4 - 10 mm²

Description	Order No.
Crimping die for tubular cable lugs, R-series	UER10





Crimping die for tubular cable lugs, R-series

CRIMPING TYPE	Double indent
CROSS-SECTION	10 - 16 mm²

Description	Order No.
Crimping die for tubular cable lugs, R-series	UER16





Crimping die for non-insulated open barrel terminals

CRIMPING TYPE	Double crimping
TAB WIDTH	2,8 mm
CROSS-SECTION	0,1 - 1 mm²

Description	Order No.
Crimping die for non-insulated open barrel terminals	UEFV28





Crimping die for non-insulated open barrel terminals

CRIMPING TYPE	Double crimping
TAB WIDTH	4,8 mm
CROSS-SECTION	0,5 - 2,5 mm²

Description	Order No.
Crimping die for non-insulated open barrel terminals	UEFV48



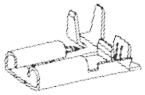


Crimping die for non-insulated open barrel terminals

CRIMPING TYPE	Double crimpung
TAB WIDTH	6,3 mm
CROSS-SECTION	0,5 - 6 mm²

Description	Order No.
Crimping die for non-insulated open barrel terminals	UEFV63





Crimping die non-insulated open barrel terminals flag type

CRIMPING TYPE	Double crimpung
TAB WIDTH	6,3 mm
CROSS-SECTION	0,5 - 2,5 mm²

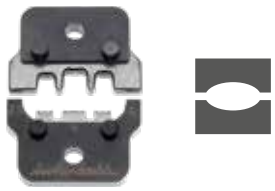
Description	Order No.
Crimping die non-insulated open barrel terminals flag type	UEFVS63




Crimping die for photovoltaics

CRIMPING TYPE	Oval
CONTACT TYPE	MC4
CROSS-SECTION	1,5 - 4 mm²

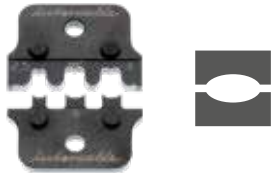
Description	Order No.
Crimping die for photovoltaics	UEMC41



Crimping die for photovoltaics

CRIMPING TYPE	Oval
CONTACT TYPE	MC3
CROSS-SECTION	2,5 - 6 mm²

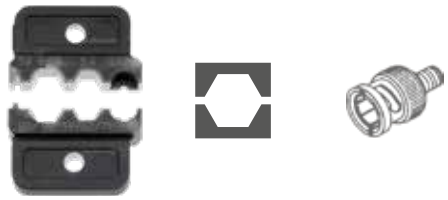
Description	Order No.
Crimping die for photovoltaics	UEMC3



Crimping die for photovoltaics

CRIMPING TYPE	Oval
CONTACT TYPE	MC4
CROSS-SECTION	2,5 - 6 mm²

Description	Order No.
Crimping die for photovoltaics	UEMC4



Crimping die for Koax-connectors for BNC-cables

CRIMPING TYPE	Oval
	RG 58 / 59 / 62 / 71

Description	Order No.
Crimping die Koax-connectors for BNC-cables	UEBNC



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Trapezoidal
APPLICATION RANGE	0,25 - 2,5 mm²
SUGGESTED APPLICATION	End sleeves

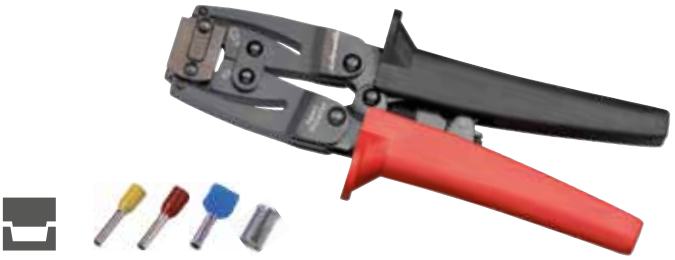
Description	Order No.	Length	Weight
Crimping tool	MPAE2T	160 mm	170 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Indent
APPLICATION RANGE	0,5 - 16 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE16K	190 mm	250 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Trapezoidal - Front
APPLICATION RANGE	0,14 - 6 mm² / 2x0,5 - 2x2,5 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE6TF	210 mm	525 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Trapezoidal - Front
APPLICATION RANGE	6 - 16 mm² / 2x4 - 2x6 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE16TF	210 mm	690 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Trapezoidal
APPLICATION RANGE	0,14 - 16 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE16T	230 mm	485 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Trapezoidal
APPLICATION RANGE	10 - 50 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	PMT50	304 mm	600 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Square
APPLICATION RANGE	0,08 - 10 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE10V	195 mm	320 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Hexagonal
APPLICATION RANGE	0,08 - 16 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE16S	215 mm	450 g

- Automatic adjustment to the cross section from 0,08 to 16 mm² without setting
- Movable locator for a precise location of small cross sections



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round crimping
APPLICATION RANGE	0,14 - 2,5 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE2R	195 mm	320 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round crimping
APPLICATION RANGE	1,5 - 6 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE6R	195 mm	320 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round crimping
APPLICATION RANGE	10 - 16 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE16R	190 mm	320 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round crimping
APPLICATION RANGE	10 - 25 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE25R	195 mm	350 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round crimping
APPLICATION RANGE	10 - 50 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE50R	300 mm	700 g



Mechanical crimping tool for end sleeves

CRIMPING TYPE	Round crimping
APPLICATION RANGE	50 - 95 mm²
SUGGESTED APPLICATION	End sleeves

Description	Order No.	Length	Weight
Crimping tool	MPAE95R	300 mm	700 g

MECHANICAL CRIMPING TOOLS



Mechanical crimping tool for insulated terminals

CRIMPING TYPE	Oval / double crimping
APPLICATION RANGE	0,5 - 6 mm²
SUGGESTED APPLICATION	Insulated terminals

Description	Order No.	Length	Weight
Crimping tool	MPIQ6	220 mm	480 g

• Crimping of conductor and insulation in one step



Mechanical crimping tool for insulated terminals

CRIMPING TYPE	Oval
APPLICATION RANGE	6 - 16 mm²
SUGGESTED APPLICATION	Insulated terminals

Description	Order No.	Length	Weight
Crimping tool	MPIQ16	285 mm	710 g

• Crimping of conductor and insulation in one step



Mechanical crimping tool for heat shrinkable butt-splice and insulated closed end connectors

CRIMPING TYPE	Oval
APPLICATION RANGE	0,5 - 6 mm²
SUGGESTED APPLICATION	Heat shrinkable butt-splice and insulated closed end connectors

Description	Order No.	Length	Weight
Crimping tool	PMGI6	220 mm	480 g



Mechanical crimping tool for non-insulated open barrel terminals

CRIMPING TYPE	Double indent
APPLICATION RANGE	0,25 - 6 mm²
SUGGESTED APPLICATION	Non-insulated open barrel terminals

Description	Order No.	Length	Weight
Crimping tool	MPFV	220 mm	475 g



Mechanical crimping tool for non-insulated cable connectors

CRIMPING TYPE	Double indent
APPLICATION RANGE	10 - 16 mm²
SUGGESTED APPLICATION	Non-insulated cable connectors

Description	Order No.	Length	Weight
Crimping tool	PMC16	285 mm	700 g



Mechanical crimping tool for non-insulated cable connectors

CRIMPING TYPE	Double indent
APPLICATION RANGE	0,5 - 16 mm²
SUGGESTED APPLICATION	Non-insulated cable connectors

Description	Order No.	Length	Weight
Crimping tool	PMCL16	280 mm	700 g



Mechanical crimping tool for non-insulated cable connectors

CRIMPING TYPE	Hexagonal
APPLICATION RANGE	10 - 25 mm²
SUGGESTED APPLICATION	Non-insulated cable connectors

Description	Order No.	Length	Weight
Crimping tool	PMC25	270 mm	700 g

5





Crimping die for insulated terminals



Crimping die for end sleeves

EPU-SET Electromechanical battery crimping tool 12V

Suitable to crimp insulated and non-insulated cable lugs and connectors as well as end-sleeves.

Description	Order No.	Length	Weight
Battery crimping tool 12V	EPU-SET	-	-

Characteristics:
- Electromechanically driven handheld device with lithium ion battery
- Light, slim and robust construction
- Due to a parallel closure of the jaws an optimal crimp result will be achieved without any violation of the insulation
- Tap-operation for exact positioning of the contacts
- Cost-effective in operation due to low susceptibility and long maintenance intervals
- Emergency release and reset-function
- Fast engine stop, no risk of overshoot
- Low noise generation
- Automatic rewind after the completed crimping
- Process monitoring by multifunction display:
  - Battery level
  - Service interval
  - Warning function against overheating / overload

Set equipment:
- Electromechanical battery crimping tool 12V
- Crimping die for insulated cable lugs and connectors 0,5-1,0/1,5-2,5/4-6mm²
- Lithium ion battery with charger
- Allen wrench
- Resin case with foam insert

*Further crimping dies on request



Mechanical crimping tool for non-insulated tubular cable lugs and connectors, R series

CRIMPING TYPE	i crimping
APPLICATION RANGE	10 - 25 mm²
SUGGESTED APPLICATION	Non-insulated R series

Description	Order No.	Length	Weight
Crimping tool	MPR25i	270 mm	700 g



Mechanical crimping tool for non-insulated tubular cable lugs and connectors

Description	Order No.	Length	Weight
Crimping tool 6-50² (I series)	MPR-1	380 mm	1,5 kg
Crimping tool 6-50² (R series)	MPR50i	380 mm	1,5 kg
Crimping tool 10-70² (F series)	MPF70i	515 mm	2,1 kg
Crimping tool 25-150² (I series)	MPR-2	550 mm	3,7 kg
Crimping tool 10-120² (R series)	MPR120i	550 mm	3,7 kg

- Crimping type: i crimp
- Reduces crimping force
- Die selection with revolver system



Mechanical crimping tool for non-insulated tubular cable lugs and connectors

Description	Order No.	Length	Weight
Crimping tool 6-50² (DIN series)	MPD50S	380 mm	1,5 kg
Crimping tool 6-50² (British series)	MPB50	380 mm	1,5 kg
Crimping tool 10-120² (DIN series)	MPD120S	550 mm	3,7 kg
Crimping tool 10-120² (British series)	MPB120	550 mm	3,7 kg

- Crimping type: Hexagon crimp
- Reduces crimping force
- Die selection with revolver system



Mechanical crimping tool for non-insulated tubular cable lugs and connectors standard type 10 - 120 mm²

10 - 120 mm²

Description	Order No.	Length	Weight
Mechanical crimping tool	MPR-3	535 mm	3,1 kg

- Crimping type: Indent

NOTE:
For the crimp of insulated terminals please order **MPR-4**



MP60-1 - Mechanical crimping tool 60 kN

CRIMPING SECTION	max 240 mm²
MAXIMUM STROKE	20 mm
CRIMPING FORCE	60 kN

Technical characteristics:
- Light and compact structure
- Telescopic handles adjustable from 560 to 860 mm
- Snap closure crimping head, rotates 360°

Tool dimensions: ..... 160 x 560 x 50 mm
Tool weight: ..... 2.9 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	MP60-1	700 x 260 x 105 mm	4,6 kg

Set equipment:
- Mechanical crimping tool

For the crimping dies of tool MP60-1 an additional opening spring (order ref. OEF1) is also required.



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SELECTION OF CRIMPING DIES	Pages 166 - 170
PLASTIC CASE FOR DIES	Page 170
ADAPTER FOR CRIMPING DIES	Page 170



MP60-3 - Mechanical crimping tool 60 kN

CRIMPING SECTION	max 240 mm²
MAXIMUM STROKE	20 mm
CRIMPING FORCE	60 kN

Technical characteristics:
- Light and compact structure
- Telescopic handles adjustable from 560 to 860 mm
- Snap closure crimping head, rotates 360°

Tool dimensions: ..... 154 x 550 x 44 mm
Tool weight: ..... 3,6 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	MP60-3	700 x 260 x 105 mm	5,3 kg

Set equipment:
- Mechanical crimping tool
- Nylon case



5

SELECTION OF CRIMPING DIES	Pages 166 - 170
PLASTIC CASE FOR DIES	Page 170
ADAPTER FOR CRIMPING DIES	Page 170



MP60-2 - Mechanical crimping tool - 60 kN

CRIMPING SECTION	max 300 mm²
MAXIMUM STROKE	19 mm
CRIMPING FORCE	60 kN

Technical characteristics:
- Light and compact structure
- Telescopic handles adjustable from 560 to 860 mm
- Snap closure crimping head, rotates 360°

Tool dimensions: ..... 154 x 552 x 44 mm
Tool weight: ..... 3,6 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	MP60-2	700 x 260 x 105 mm	5,3 kg

Set equipment:
- Mechanical crimping tool
- Nylon case



5

SELECTION OF CRIMPING DIES	Pages 171 - 174
PLASTIC CASE FOR DIES	Page 174



MPSF6-1

MPSF6 - Manual mechanical tool for SF6-insulated MT-switchboard terminals

Designed for assembly and disassembly of the connector for external cone terminals of MT cables operate at voltages from 12 to 36kV.

Technical characteristics:
- Mechanical tool with symmetrical operation
- Removable compression head
- Telescopic handles ..... 350 - 560 mm
- Maximum stroke: ..... 10 mm
- Maximum threaded terminal travel: ..... 30 mm
- Crimping force: ..... 60 kN
- Handgrip opening angle: ..... 120°

Tool dimensions: ..... 160 x 507 x 85 mm
Tool weight: ..... 3,1 kg

5

Application range

Head size	Voltage range	Amperage	Cross section
1	12 kV, 24 kV, 36 kV	630 A	25 mm² - 240 mm²
2	12 kV, 24 kV, 36 kV	800 A	50 mm² - 300 mm²
3	12 kV, 24 kV, 36 kV, 52 kV	1.250 A	150 mm² - 630 mm²



Set MPSF6-1

Description	Order No.	Dimensions	Weight
Set: Mechanical tool for SF6 System size 1	MPSF6-1	570 x 155 x 75 mm	5,5 kg
Set: Mechanical tool for SF6 System size 2	MPSF6-2	570 x 155 x 75 mm	5,1 kg
Set: Mechanical tool for SF6 System size 3	MPSF6-3	630 x 155 x 95 mm	7,4 kg

Set equipment MPSF6-X:
- Mechanical crimping tool
- Terminal dies
- Metallic case (BKMPSF6)



MPSF6-6 lose



MKGR1

Description	Order No.	Dimensions	Weight
Mechanical tool for SF6 system without terminals and case	MPSF6-lose	515 x 155 x 73 mm	3,1 kg
Terminal dies size 1 SF6 system	MKGR1	125 x 65 x 65 mm	1,9 kg
Terminal dies size 2 SF6 system	MKGR2	125 x 65 x 65 mm	1,7 kg
Terminal dies size 3 SF6 system	MKGR3	185 x 95 x 95 mm	4,0 kg

STILO60

THE STILO PRODUCT FAMILY CONTINUES TO GROW



Manageable

Rotating crimping head 360° for optimal crimping in any position

Automatic return

At the end of the crimping cycle

Ergonomic

Effortless working and easy handling thanks to equilibrate 2-component handle

Intelligent

Multifunction LED to indicate the maintenance intervals (20.000 cycles)

Powerful

18V 1,5 Ah Lithium-Ion battery for even more pressings during one battery life

HYDRAULIC CRIMPING TOOLS - OVERVIEW

	Heads	Hand operated	Battery operated		max. Crimping section *	Crimping force	
SERIES 45		 HP45	 STILO45		150 mm²	45 kN	PAGE 145-146
SERIES 50		 HP50	 STILO50		240 mm²	50 kN	PAGE 147-148
SERIES 60-2/4	 PP60-1	 HP60-3		 AP60-1	240 mm²	60 kN	PAGE 149-150
SERIES 60-2/4	 PP60-2	 HP60-4	 STILO60	 AP60-2	300 mm²	60 kN	PAGE 151-152
SERIES 130-C	 PP130-C	 HPI130-C		 AP130-C	400 mm²	130 kN	PAGE 153-154
SERIE 130-C2	 PP130-C2	 HPI130-C2		 AP130-C2	400 mm²	130 kN	PAGE 155-156
SERIES 130-H	 PP130-H	 HPI130-H		 AP130-H	400 mm²	130 kN	PAGE 157-158
SERIE 230	PP230-630  PP230				630 mm²	230 kN	PAGE 159
SERIES 520	 PP520				1.000 mm²	520 kN	PAGE 161
SERIES 600	 PP600				1.600 mm²	600 kN	PAGE 162

*depending on type and size of terminals used

MAIN CHARACTERISTICS HP45

CRIMPING SECTION	max. 150 mm²
MAXIMUM STROKE	16 mm

CRIMPING FORCE	45 kN
OPERATING PRESSURE	470 bar (47 MPa)



HP45 - Hand operated hydraulic crimping tool

Technical characteristics:
- Light and compact structure
- Pump body in light alloy
- Snap closure crimping head, rotates 180°
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 157 x 375 x 54 mm
Tool weight: ..... 2,5 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	HP45	440 x 190 x 80 mm	3,5 kg

Set equipment:
- Test report
- Manual crimping tool
- Plastic case for manual hydraulic tool and maximum 15 crimping dies



Set HP45



STILO45 - Battery operated hydraulic crimping tool

Technical characteristics:
see page 143

Tool dimensions: ..... 124 x 369 x 81 mm
Tool weight (incl. battery): ..... 2,3 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	STILO45	560 x 375 x 118 mm	5,1 kg

Accessories see page 209 - 212

Set equipment:
- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case



Set STILO45

SELECTION OF CRIMPING DIES	Page 164 - 165
PLASTIC CASE FOR DIES	Page 165

MAIN CHARACTERISTICS HP50

CRIMPING SECTION	max. 240 mm²
MAXIMUM STROKE	16 mm

CRIMPING FORCE	50 kN
OPERATING PRESSURE	520 bar (52 MPa)



HP50 - Hand operated hydraulic crimping tool

Technical characteristics:
- Light and compact structure
- Pump body in light alloy
- Snap closure crimping head, rotates 180°
- Quick feed with double hydraulic cylinder
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 157 x 398 x 54 mm
Tool weight: ..... 2,7 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	HP50	440 x 190 x 80 mm	3,7 kg

Set equipment:
- Test report
- Manual crimping tool
- Plastic case for manual hydraulic tool and maximum 15 crimping dies



Set HP50



STILO50 - Battery operated hydraulic crimping tool

Technical characteristics:
see page 143

Tool dimensions: ..... 120 x 403 x 75 mm
Tool weight (incl. battery): ..... 2,3 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	STILO50	560 x 375 x 118 mm	5,3 kg

Accessories see page 209 - 212

Set equipment:
- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case



Set STILO50

SELECTION OF CRIMPING DIES	Pages 166 - 170
PLASTIC CASE FOR DIES	Page 170
ADAPTER FOR CRIMPING DIES	Page 170

MAIN CHARACTERISTICS PP60-1 - HP60-3 - AP60-1

CRIMPING SECTION	max. 240 mm²
MAXIMUM STROKE	17 mm

CRIMPING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)





Set PP60-1

PP60-1 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 60 kN (pages 201 - 208).

Technical characteristics:
- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 74 x 198 x 54 mm
Tool weight: ..... 1,6 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP60-1	320 x 260 x 75 mm	2,1 kg

Set equipment:
- Hydraulic crimping head
- Plastic case for crimping head and maximum 18 crimping dies



Set HP60-3

HP60-3 - Hand operated hydraulic crimping Tool

Technical characteristics:
- Sturdy and compact structure
- Snap closure crimping head, rotates 180°
- Quick feed with double hydraulic cylinder
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 168 x 392 x 54 mm
Tool weight: ..... 2,5 kg

Description	Order No.	Dimensions	Weight
Set Crimping Tool	HP60-3	440 x 190 x 80 mm	3,7 kg

Set equipment:
- Test report
- Manual crimping tool
- Plastic case for manual hydraulic tool and maximum 15 crimping dies



Insulated version on request

AP60-1 - Battery operated hydraulic crimping tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Crimping head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 329 x 331 x 75 mm
Tool weight: ..... 4,3 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	AP60-1	580 x 470 x 115 mm	7,7 kg

Accessories see page 209 - 212

Set equipment:
- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)



Set AP60-1

SELECTION OF CRIMPING DIES	Pages 166 - 170
PLASTIC CASE FOR DIES	Page 170
ADAPTER FOR CRIMPING DIES	Page 170

MAIN CHARACTERISTICS PP60-2 - HP60-4 - STILO-60 - AP60-2

CRIMPING SECTION	max. 300 mm²
MAXIMUM STROKE	17 mm

CRIMPING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)





Set PP60-2

PP60-2 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 60 kN (pages 201 - 208).

Technical characteristics:
- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 93 x 198 x 93 mm
Tool weight: ..... 1,7 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP60-2	320 x 260 x 75 mm	2,3 kg

Set equipment:
- Hydraulic crimping head
- Plastic case for crimping head and maximum 18 crimping dies





Set HP60-4

HP60-4 - Hand operated hydraulic crimping tool

Technical characteristics:
- Sturdy and compact structure
- Snap closure crimping head, rotates 180°
- Quick feed with double hydraulic cylinder
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions ..... 176 x 396 x 54 mm
Tool weight: ..... 2,8 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	HP60-4	700 x 260 x 105 mm	4,6 kg

Set equipment:
- Test report
- Manual crimping tool
- Plastic case for crimping tool and 21 crimping dies





Set STILO60

STILO60 - Battery operated hydraulic crimping tool

Technical characteristics:
see page 143

Tool dimensions: ..... 124 x 383 x 81 mm
Tool weight: ..... 3,3 kg (incl. battery)

Description	Order No.	Dimensions	Weight
Set crimping tool	STILO60	560 x 357 x 118 mm	6,3 kg

Accessories see page 209 - 212

Set equipment:
- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case



AP60-2 - Battery operated hydraulic crimping tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Crimping head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 334 x 75 mm
Tool weight: ..... 4,4 kg

Description	Order No.	Dimensions	Weight
Set Crimping Tool	AP60-2	580 x 470 x 115 mm	7,8 kg

Accessories see page 209 - 212

Set equipment:
- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)



Set AP60-2

SELECTION OF CRIMPING DIES	Pages 171 - 174
PLASTIC CASE FOR DIES	Page 174

MAIN CHARACTERISTICS PP130-C - HPI130-C - AP130-C

CRIMPING SECTION	max. 400 mm²
MAXIMUM STROKE	30 mm

CRIMPING FORCE	130 kN
OPERATING PRESSURE	700 bar (70 MPa)

HEAD OPENING: 29 mm



Set PP130-C

PP130-C - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 130 kN (pages 201 - 208).

Technical characteristics:
- Sturdy and compact structure
- C head for easy positioning of dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 128 x 254 x 78 mm
Tool weight: ..... 4,1 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP130-C	400 x 350 x 130 mm	5,6 kg

Set equipment:
- Hydraulic crimping head
- Plastic case for crimping head and 14 crimping dies



Set HPI130-C

HPI130-C - Hand operated hydraulic crimping tool

Technical characteristics:
- Sturdy and compact structure
- C-shaped crimping head, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 222 x 561 x 78 mm
Tool weight: ..... 6,6 kg

Description	Order No.	Dimensions	Weight
Set Crimping Tool	HPI130-C	700 x 260 x 105 mm	8,2 kg

Set equipment:
- Test report
- Manual crimping tool
- Plastic case for crimping tool and 9 crimping dies



AP130-C - Battery operated hydraulic crimping tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- C-shaped crimping head, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 401 x 79 mm
Tool weight: ..... 6,7 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	AP130-C	580 x 470 x 115 mm	10,1 kg

Accessories see page 209 - 212

Set equipment:
- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)



Set AP130-C

SELECTION OF CRIMPING DIES	Pages 175 - 179
PLASTIC CASE FOR DIES	Page 179

MAIN CHARACTERISTICS PP130-C2 - AP130-C2

CRIMPING SECTION	max. 400 mm²
MAXIMUM STROKE	42 mm

CRIMPING FORCE	130 kN
OPERATING PRESSURE	700 bar (70 MPa)

HEAD OPENING: 42 mm



Set PP130-C2

PP130-C2 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 130 kN (pages 201 - 208).

Technical characteristics:
- Sturdy and compact structure
- C head for easy positioning of dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 129 x 271 x 78 mm
Tool weight: ..... 4,4 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP130-C2	400 x 350 x 130 mm	5,9 kg

Set equipment:
- Hydraulic crimping head
- Plastic case for crimping head and 14 crimping dies



Set HPI130-C2

HPI130-C2 - Hand operated hydraulic crimping tool

Technical characteristics:
- Sturdy and compact structure
- C-shaped crimping head, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return at any position by turning the main handle

Tool dimensions: ..... 225 x 577 x 78 mm
Tool weight: ..... 6,5 kg

Description	Order No.	Dimensions	Weight
Set Crimping Tool	HPI130-C2	700 x 260 x 105 mm	8,2 kg

Set equipment:
- Test report
- Manual crimping tool
- Plastic case for crimping tool and 9 crimping dies



AP130-C2 - Battery operated hydraulic crimping Tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- C-shaped crimping head, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 417 x 79 mm
Tool weight: ..... 6,8 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	AP130-C2	580 x 470 x 115 mm	10,6 kg

Accessories see page 209 - 212

Set equipment:
- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)



Set AP130-C2

5

SELECTION OF CRIMPING DIES	Pages 175 - 179
PLASTIC CASE FOR DIES	Page 179

MAIN CHARACTERISTICS PP130-H - HPI130-H - AP130-H

CRIMPING SECTION	max. 400 mm²
MAXIMUM STROKE	30 mm

CRIMPING FORCE	130 kN
OPERATING PRESSURE	700 bar (70 MPa)

HEAD OPENING: 35 mm





Set PP130-H



Adapters and punch for deep indent crim-pin on request

PP130-H - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 130 kN (pages 201 - 208).

Technical characteristics:
- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap
- Adapters and punch for deep indent crimping

Head opening: ..... 35 mm
Tool dimensions: ..... 78 x 263 x 70 mm
Tool weight: ..... 3,4 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP130-H	410 x 360 x 135 mm	5,1 kg

Set equipment:
- Hydraulic crimping head
- Plastic case for crimping head and 14 crimping dies





Set HPI130-H



Adapters and punch for deep indent crimping on request

HPI130-H - Hand operated hydraulic crimping tool

Technical characteristics:
- Sturdy and compact structure
- Crimping H-head, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return in any position
- Adapters and punch for deep indent compression

Tool dimensions: ..... 174 x 569 x 78 mm
Tool weight: ..... 5,8 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	HPI130-H	700 x 260 x 105 mm	7,6 kg

Set equipment:
- Test report
- Manual crimping tool
- Plastic case for crimping tool and 11 crimping dies



Adapters and punch for deep indent crimping on request

AP130-H - Battery operated hydraulic crimping tool

Technical characteristics:
- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Crimping head rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left- and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 409 x 75 mm
Tool weight: ..... 6,2 kg

Description	Order No.	Dimensions	Weight
Set crimping tool	AP130-H	580 x 470 x 115 mm	10,0 kg

Accessories see page 209 - 212

Set equipment:
- Test report
- Battery-operated hydraulic crimping tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case for crimping tool and maximum 18 crimping dies
- Shoulder strap (TG2)



Set AP130-H

SELECTION OF CRIMPING DIES	Pages 175 - 179
PLASTIC CASE FOR DIES	Page 179

Main characteristics PP230

CRIMPING SECTION	max. 630 mm²
MAXIMUM STROKE	28 mm

CRIMPING FORCE	230 kN
OPERATING PRESSURE	700 bar (70 MPa)





Set PP230

PP230 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 230 kN (pages 201 - 208).

Technical characteristics:
- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 121 x 286 x 88 mm
Tool weight: ..... 5,5 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP230	410 x 360 x 135 mm	7,2 kg

Set equipment:
- Hydraulic crimping head
- Plastic case for crimping head and two crimping dies and one adapter

5

SELECTION OF CRIMPING DIES	Pages 180 - 181
ADAPTER FOR CRIMPING DIES	Page 182

MAIN CHARACTERISTICS PP230-630

CRIMPING SECTION	max. 630 mm²
MAXIMUM STROKE	60 mm

CRIMPING FORCE	230 kN
OPERATING PRESSURE	700 bar (70 MPa)



CE

PP230-630 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 230 kN (pages 201 - 208).

Technical characteristics:
- Sturdy and compact structure
- The H - Bail allows simple inlaying from the cables
- This pressing tool can be used to crimp aluminium and bimetallic connectors by deep-step indent system

Tool dimensions: ..... 105 x 365 x 50 mm
Tool weight: ..... 8,5 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP230-630	440 x 270 x 150 mm	15 kg

Set equipment:
- Hydraulic crimping head
- Metal case



Set PP230-630

MAIN CHARACTERISTICS PP520

CRIMPING SECTION	max. 1.000 mm²
MAXIMUM STROKE	25 mm

CRIMPING FORCE	520 kN
OPERATING PRESSURE	700 bar (70 MPa)





Set PP520

PP520 - Hydraulic crimping head

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 520 kN (pages 201 - 208).

Technical characteristics:
- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap
- Tilting system for coupler

Tool dimensions: ..... 218 x 261 x 124 mm
Tool weight: ..... 13,2 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP520	410 x 360 x 135 mm	15,4 kg

Set equipment:
- Hydraulic crimping head
- Plastic case for crimping head and two crimping dies

5

SELECTION OF CRIMPING DIES	Page 183
ADAPTER FOR CRIMPING DIES	Page 183

Main characteristics PP600

CRIMPING SECTION	max. 1.600 mm²
MAXIMUM STROKE	30 mm

CRIMPING FORCE	600 kN
OPERATING PRESSURE	700 bar (70 MPa)





Set PP600

PP600 - Hydraulic Crimping Head - 600 kN

The unit must be operated through 700 bar hydraulic pump to reach crimping force of 600 kN (pages 201 - 208).

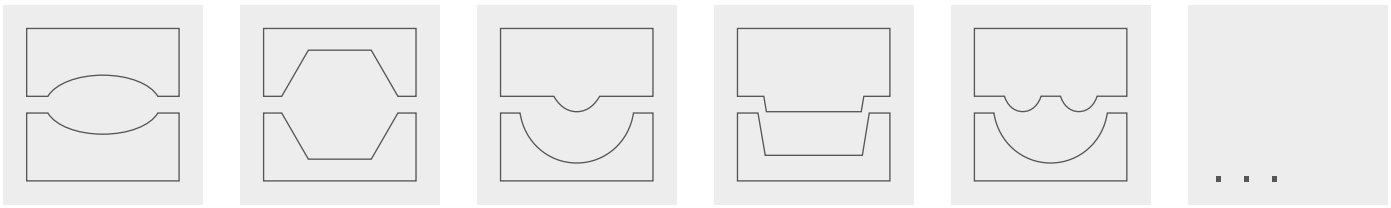
Technical characteristics:
- Sturdy and compact structure
- Openable head to make it easy to position and insert the crimping dies
- Quick make snap lock connection and non detachable dust cap

Tool dimensions: ..... 200 x 335 x 130 mm
Tool weight: ..... 17 kg

Description	Order No.	Dimensions	Weight
Set crimping head	PP600	400 x 260 x 360 mm	26 kg

Set equipment:
- Hydraulic crimping head
- Metal case for crimping head

SELECTION OF CRIMPING DIES	Page 184
METAL CASE FOR DIES	Page 184



CRIMPING DIES

CRIMPING DIES - SERIES 45

SERIES 45


HP45


STILO45



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Copper

cable lugs (DIN 46235) - connectors (DIN 46267, part 1)


ICD ICD_90 ICD_V ICD_VL

Aluminium

cable lugs (DIN 46239 - connectors (DIN 46267, part 2)


ICAL_LD ICAL_LDV ICAL ICAL_V ICAL_V30 ICALCU ICALCU_V

Cross section (mm²)	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
6	5	5	MK5-45			
10	6	5	MK6-45	10	7	MK10B-45
16	8	5	MK8-45	12	7	MK12B-45
25	10	5	MK10-45			
35	12	5	MK12-45	14	7	MK14B-45
50	14	5	MK14-45	16	7	MK16B-45
70	16	5	MK16-45	18	7	MK18B-45
95	18	5	MK18-45	22	7	MK22B-45
120	20	5	MK20-45			
150	22	5	MK22-45			



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm²)		Order No.
		Al-connectors	Steel - connectors	
6	5		16/2,5 25/4 35/6	MK6-45
7	5		50/8	MK7-45
9	5		70/12 95/15	MK9-45
	5			
13	7	16/2,5 25/4		MK12B-45
15	7	35/6		MK14B-45
17	7	50/8		MK16B-45
19	7	70/12		MK18B-45
22	7	95/15		MK22B-45



I-SERIES CABLE LUGS

Hexagon crimping dies for I-series type cable lugs and connectors



Cross section (mm²)		Compr. width (mm)	Order No.
Rigid	Flexible		
10		7	U4-K07M
16		7	U4-K08M
25		7	U4-K10M
35	35	7	U4-K11M
50	50	7	U4-K13M
70	70	7	U4-K14
95	95	7	U4-K17M
120	120	7	U4-K18
150	150	7	U4-K20D

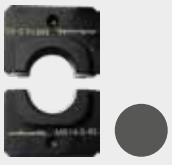


WIRE END SLEEVES

Trapezoid crimping dies for wire end sleeve



Cross section (mm²)	Compr. width (mm)	Order No.
10	20	MTT10-45
16	20	MTT16-45
25	20	MTT25-45
35	20	MTT35-45
50	20	MTT50-45
70	20	MTT70-45
95	20	MTT95-45



Round dies to round off copper and aluminum sector shaped conductor

Type			
		SE*	SM**
Cross section (mm²)	Compr. width (mm)	Compr. width (mm)	Order No.
10	20		MR4,1-45
16	20		MR5,1-45
25	20	MR5,1-45	MR6,3-45
35	20	MR6,3-45	MR7,5-45
50	20	MR7,5-45	MR9,0-45
70	20	MR9,0-45	MR10,5-45
95	20	MR10,5-45	MR12,5-45
120	20	MR12,5-45	MR14,0-45
150	20	MR14,0-45	MR15,7-45
185	20	MR15,7-45	

* SE sector solid
** SM sector multi-stranded



R-SERIES CABLE LUGS

Hexagon crimping dies for R-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
6	5	MH6-45
10	7	MH10-45
16	7	MH16-45
25	7	MH25-45
35	7	MH35-45
50	7	MH50-45
70	7	MH70-45
95	7	MH95-45
120	7	MH120-45
150	7	MH150-45



WIRE END SLEEVES

Circular I-CRIMP crimping dies for wire end sleeve



Cross section (mm²)	Compr. width (mm)	Order No.
6	18	MIAE6-45
10	18	MIAE10-45
16	18	MIAE16-45
25	18	MIAE25-45
35	18	MIAE35-45
50	18	MIAE50-45
70	18	MIAE70-45
95	18	MIAE95-45
120	18	MIAE120-45
150	18	MIAE150-45

Plastic case for crimping dies

Description	Order No.	Dimensions	Weight
Case for dies 45kN-60kN	KKPE-45-50	250 x 170 x 50 mm	200 g



Plastic case - KKPE-45-50

CRIMPING DIES - SERIES 50 - SERIES 60-1/3

SERIES 50


HP50


STILO50

SERIES 60-1/3


MP60-1


MP60-3


PP60-1


HP60-3


AP60-1



DIN STANDARD

Hexagon crimping dies according to DIN 48083

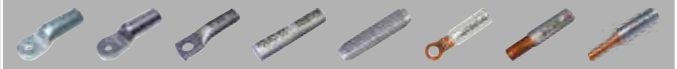
Copper

cable lugs (DIN 46235) - connectors (DIN 46267, part 1)


ICD ICD_90 ICD_V ICD_VL

Aluminum

cable lugs (DIN 46239) - connectors (DIN 46267, part 2)


ICAL_LD ICAL_LDV ICAL ICAL_V ICAL_V30 ICALCU ICALCU_V

Cross section (mm²)	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
6	5	5	MK5-50			
10	6	5	MK6-50	10	7	MK10B-50
16	8	5	MK8-50	12	7	MK12B-50
25	10	5	MK10-50			
35	12	5	MK12-50	14	7	MK14B-50
50	14	5	MK14-50	16	7	MK16B-50
70	16	5	MK16-50	18	7	MK18B-50
95	18	5	MK18-50	22	7	MK22B-50
120	20	5	MK20-50			
150	22	5	MK22-50	25	7	MK25B-50
185	25	5	MK25-50	28	7	MK28B-50
240	28	5	MK28-50	32	5	MK32-50V



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm²)		Order No.
		Al-connectors	Steel - connectors	
6	5		16/2,5 25/4 35/6	MK6-50
7	5		50/8	MK7-50
9	5		70/12 95/15	MK9-50
11	5		25	MK11-50
12	7	16/2,5 25/4		MK12B-50
13	5		120/20 150/25	MK13-50
14	7	35/6		MK14B-50
16	7	50/8		MK16B-50
22	7	95/15		MK22B-50
25	7	44/32 50/30 120/20		MK25B-50
28	7	125/30 150/25		MK28B-50

For the compression dies of tool MP60-1 Opening Spring (Order ref. OEF1) is also required



I-SERIES CABLE LUGS

Hexagon crimping dies for I-series type cable lugs and connectors



Cross section (mm²)		Compr. width (mm)	Order No.
Rigid	Flexible		
10		7	U5-K07M
16		7	U5-K08M
25		7	U5-K10M
35	35	7	U5-K11M
50	50	7	U5-K13M
70	70	7	U5-K14
95	95	7	U5-K17M
120	120	7	U5-K18
150	150	7	U5-K20D
185	185	7	U5-K22D
240	240	7	U5-K25M



I-SERIES CABLE LUGS

Hexagon I-CRIMP crimping dies for I-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
10	7	U5-I10
16	7	U5-I16
25	7	U5-I25
35	7	U5-I35
50	7	U5-I50
70	7	U5-I70
95	7	U5-I95
120	7	U5-I120
150	7	U5-I150
185	7	U5-I185
240	7	U5-I240



R-SERIES CABLE LUGS

Hexagon crimping dies for R-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
6	5	MH6-50
10	7	MH10-50
16	7	MH16-50
25	7	MH25-50
35	7	MH35-50
50	7	MH50-50
70	7	MH70-50
95	7	MH95-50
120	7	MH120-50
150	7	MH150-50
185	7	MH185-50
240	5	MH240-50



INSULATED CABLE LUGS

Oval crimping dies for insulated cable lugs



Cross section (mm²)	Compr. width (mm)	Order No.
10	9	U5-P10
16	9	U5-P16
25	9	U5-P25
35	9	U5-P35
50	9	U5-P50
70	9	U5-P70
95	7	U5-P95
120	7	U5-P120



TERMINALS

Indent crimping dies for terminals DIN 46234 pin terminals - DIN 46230, solder-less conn. DIN 46341, steel cable lug



Cross section (mm²)	Order No.
10	MD10-50
16	MD16-50
25	MD25-50
35	MD35-50
50	MD50-50
70	MD70-50
95	MD95-50



FINE WIRE

Indent crimping dies for fine wire conductors F-series



Cross section (mm²)	Order No.
10	MDF10-50
16	MDF16-50
25	MDF25-50
35	MDF35-50
50	MDF50-50

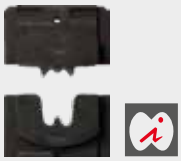


WIRE END SLEEVES

Trapezoid crimping dies for wire end sleeve



Cross section (mm²)	Compr. width (mm)	Order No.
10	20	MTT10-50
16	20	MTT16-50
25	20	MTT25-50
35	20	MTT35-50
50	20	MTT50-50
70	20	MTT70-50
95	20	MTT95-50



WIRE END SLEEVES

Circular I-CRIMP crimping dies for wire end sleeve



Cross section (mm²)	Compr. width (mm)	Order No.
10	18	U5-T10
16	18	U5-T16
25	18	U5-T25
35	18	U5-T35
50	18	U5-T50
70	18	U5-T70
95	18	U5-T95
120	18	U5-T120



C- CLAMP

Oval crimping dies for C-branch terminals



Cross section (mm²)		Order No.
Main	Branch	
6 ÷ 2,5	6 ÷ 1,5	U5-DC6
10	10 ÷ 1,5	U5-DC10
16	16 ÷ 1,5	U5-DC25
25	25 ÷ 16	
35	16 ÷ 1,5	U5-DC35
35	35 ÷ 25	
50	25 ÷ 6	U5-DC70
70 ÷ 50	35 ÷ 6	
70 ÷ 50	70 ÷ 35	



MV CABLE LUGS

Hexagon crimping dies for mediun voltage type copper cable lugs and connectors



Cross section (mm²)	Order No.
25	U5-E96
35	U5-E118
50 RC	
50 S	
70	U5-E158
95 RC	U5-E173
120÷95 S	
150 RC÷120 S÷125 C	U5-E190



LV OVERHEAD CABLE LUGS

Hexagon crimping dies for Al/Cu lugs and uninsulated/insulated connectors type cable lugs and connectors for low voltage overhead cables



Cross section (mm²)		Order No.	
		Uninsulated	Insulated
35 Al		U5-E113	U5-E173
35 Al	25 Cu		
35 Al	35 Al		
54,6 Aldr.		U5-E173	
54,6 Aldr.	25 Cu		
70 Al		U5-E173	
70 Al	35 Al		
70 Al	50 Cu		
70 Al	70 Al		



FULL TENSION CONNECTORS

Hexagon crimping dies for Al and Cu full tension connectors for low voltage overhead cables



Cross section (mm²)	Order No.
10 Cu	U5-E70
16 Cu	U5-E75
25 Cu	U5-E96
35 Al	U5-E118
35 Cu	
54,6 Aldr.	U5-E140
70 Al	U5-E158
70 Cu	



Oval crimping dies for the compression of dead-ends and oval connectors according to DIN 48217 and H branch terminals (not for MP60-3)

		Dead end clamps and oval connectors			H-Clamp Copper
		Copper	Aluminum	Steel	
Cross section (mm²)	Compr. width (mm)	Order No.	Order No.	Order No.	Order No.
6RE*	5	MO7-50			
6	5				MO10-50
10	5				
10RE*	5	MO8-50	MO10-50		
10RM**	5	MO10-50			
16RE*	5				
16	5	MO12-50	MO12-50		MO16-50
25	5	MO16-50	MO16-50		MO18-50
35	5	MO18-50	MO18-50	MO18-50	MO21-50
50	5	MO20-50	MO20-50	MO20-50	
70	5	MO22-50	MO22-50	MO22-50	
95	5	MO24-50	MO24-50		
120	5		MO26-50		

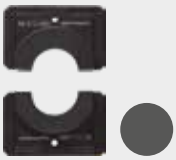


NOTCH CONNECTOR

Oval crimping dies for notch connector (not for MP60-3)

	Cu-Conductor	Al-Conductor	Al-Steel-rope
Cross section (mm²)	Order No.	Order No.	Order No.
10	MKO10-50CU		
16	MKO16-50CU		
25	MKO25-50CU	MKO25-50AL	
35/6			MKO35/6-50
35	MKO35-50CU	MKO35-50AL	
50	MKO50-50CU	MKO50-50AL	
50/8			MKO50/8-50
50/30			MKO50/30-50
70	MKO70-50CU	MKO70-50AL	
70/12			MKO70/12-50
95	MKO95-50CU	MKO95-50AL	
120	MKO120-50CU	MKO120-50AL	

* SE sector solid
** SM sector multi-stranded



Round dies to round off copper and aluminum sector shaped conductor

Cross section (mm²)	Compr. width (mm)	Type SE* Order No.	Type SM** Order No.
10	20		MR4,1-50
16	20		MR5,1-50
25	20		MR6,3-50
35	20	MR6,3-50	MR7,5-50
50	20	MR7,5-50	MR9,0-50
70	20	MR9,0-50	MR10,5-50
95	20	MR10,5-50	MR12,5-50
120	20	MR12,5-50	MR14,0-50
150	20	MR14,0-50	MR15,7-50
185	20	MR15,7-50	MR17,5-50
240	20	MR17,5-50	MR20,2-50
300°	20	MR20,2-50°	



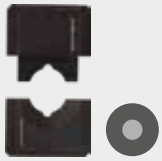
I-SERIES CABLE LUGS

Indent crimping dies for I-series cablelugs and connectors



CI-M.. CI-M..-90 CI-M..-45 CTT-.. CI-M..-CL CI-M..-SF

Die reference	Indent	Cross section mm² rigid	Cross section mm² flexible	No. of crimpings
U5-S6	U5-PZ6	4-16		1
U5-S16	U5-PZ25	10		1
		16		
U5-S25		25		1
U5-S35	U5-PZ50	35	25	1
			35	
U5-S50		50	35	1
			50	
U5-S70	U5-PZ95	70	50	1
			70	
U5-S95		95	70	1
			95	
U5-S120	U5-PZ120	120	95	1
			120	



STRIP OFF ACSR

Strip off Aluminum part of ACSR cables***

Cross section (mm²)	Order No.
25/4	AL-ST25/4-50
35/6	AL-ST35/6-50
50/8	AL-ST50/8-50
70/12	AL-ST70/12-50
95/15	AL-ST95/15-50
120/20	AL-ST120/20-50



I-SERIES CABLE LUGS

I crimping dies for the compression of tubular cablelugs for flexible conductor / class 5 / 6



CI-M..-SF

Die reference	Cross section mm²	Width	No. of crimpings
U5-FI35	35	7	1
U5-FI50	50	7	2
U5-FI70	70	7	2
U5-FI95	95	7	2
U5-FI120	120	7	2
U5-FI150	150	7	3
U5-FI185	185	7	3





Plastic case - KKPE-45-50

* SE sector solid
** SM sector multi-stranded
*** depending on type and size of joining accessories
° not for HP50

Adapter for crimping dies 45 kN

Allows use of all dies for the tool 45kN on models HP50, HP60-3, PP60-1 and AP60-1, except MIAEXX-45

Description	Order No.	Dimensions	Weight
Adapter	AD50-45	45 kN	50 g

Plastic case for crimping dies

Description	Order No.	Dimensions	Weight
Case for dies 45kN-60kN	KKPE-45-50	250 x 170 x 50 mm	200 g

SERIES 50


MP60-2


PP60-2


HP60-4


STILO60


AP60-2



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Copper

cable lugs (DIN 46235) - connectors
(DIN 46267, part 1)


ICD ICD_90 ICD_V ICD_VL

Aluminum

cable lugs (DIN 46239) - connectors
(DIN 46267, part 2)


ICAL_LD ICAL_LDV ICAL ICAL_V ICAL_V30 ICALCU ICALCU_V

Cross section (mm²)	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
6	5	5	MK5-CK			
10	6	5	MK6-CK	10	7	MK10B-CK
16	8	5	MK8-CK	12	7	MK12B-CK
25	10	5	MK10-CK			
35	12	5	MK12-CK	14	7	MK14B-CK
50	14	5	MK14-CK	16	7	MK16B-CK
70	16	5	MK16-CK	18	7	MK18B-CK
95	18	5	MK18-CK	22	7	MK22B-CK
120	20	5	MK20-CK			
150	22	5	MK22-CK	25	7	MK25B-CK
185	25	5	MK25-CK	28	7	MK28B-CK
240	28	5	MK28-CK	32	7	MK32B-CK
300	32	5	MK32-CK	34	5	MK34-CK



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm²)		Order No.
		Al-connectors	Steel - connectors	
6	5		16/2,5 25/4 35/6	MK6-CK
7	5		50/8	MK7-CK
9	5		70/12 95/15	MK9-CK
12	7	16/2,5 25/4		MK11B-CK
13	5		120/20 150/25	MK13-CK
14	7	35/6		MK14B-CK
16	7	50/8		MK16B-CK
18	7	70/12		MK18B-CK
22	7	95/15		MK22B-CK
25	7	44/32 50/30 120/20		MK25B-CK
28	7	125/30 150/25		MK28B-CK

CRIMPING DIES - SERIES 60-2/4



R-SERIES CABLE LUGS

Hexagon icrimping dies for R-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
6	5	MI6-CK
10	5	MI10-CK
16	5	MI16-CK
25	5	MI25-CK
35	5	MI35-CK
50	5	MI50-CK
70	5	MI70-CK
95	5	MI95-CK
120	5	MI120-CK
150	5	MI150-CK
185	5	MI185-CK
240	5	MI240-CK
300	5	MI300-CK



FINE WIRE

Hexagon icrimping dies for F-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
10	5	MFI10-CK
16	5	MFI16-CK
25	5	MFI25-CK
35	5	MFI35-CK
50	5	MFI50-CK
70	5	MFI70-CK
95	5	MFI95-CK
120	5	MFI120-CK
150	5	MFI150-CK
185	5	MFI185-CK
240	5	MFI240-CK
300	5	MFI300-CK



R-SERIES CABLE LUGS

Hexagon crimping dies for R-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
6	5	MH6-CK
10	5	MH10-CK
16	5	MH16-CK
25	5	MH25-CK
35	5	MH35-CK
50	5	MH50-CK
70	5	MH70-CK
95	5	MH95-CK
120	5	MH120-CK
150	5	MH150-CK
185	5	MH185-CK
240	5	MH240-CK
300	5	MH300-CK

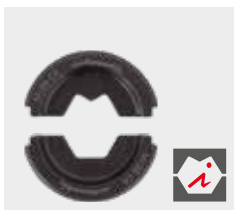


FINE WIRE

Indent crimping dies for fine wire conductors F-series



Cross section (mm²)	Order No.
10	MDF10-CK
16	MDF16-CK
25	MDF25-CK
35	MDF35-CK
50	MDF50-CK
70	MDF70-CK



I-SERIES CABLE LUGS

Hexagon icrimp crimping dies for I-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
10	7	U6-I10
16	7	U6-I16
25	9	U6-I25
35	5	U6-I35
50	5	U6-I50
70	5	U6-I70
95	5	U6-I95
120	5	U6-I120
150	5	U6-I150
185	5	U6-I185
240	5	U6-I240
300	5	U6-I300



INSULATED TERMINALS

Circular crimping dies for insulated terminals DIN 46237 and insulated pin terminals DIN 46231



Cross section (mm²)	Order No.
10	MIQ10-CK
16	MIQ16-CK
25	MIQ25-CK
35	MIQ35-CK
50	MIQ50-CK
70	MIQ70-CK
95	MIQ95-CK



TERMINALS

Indent crimping dies for terminals DIN 46234 pin terminals - DIN 46230, solderless conn. DIN 46341, steel cable lug



Cross section (mm²)	Order No.
10	MD10-CK
16	MD16-CK
25	MD25-CK
35	MD35-CK
50	MD50-CK
70	MD70-CK



WIRE END SLEEVES

Trapezoid crimping dies for wire end sleeve



Cross section (mm²)	Compr. width (mm)	Order No.
10	20	MTT10-CK
16	20	MTT16-CK
25	20	MTT25-CK
35	20	MTT35-CK
50	20	MTT50-CK
70	20	MTT70-CK
95	20	MTT95-CK
120	20	MTT120-CK
150	20	MTT150-CK
185	20	MTT185-CK
240	20	MTT240-CK



WIRE END SLEEVES

Circular I-CRIMP crimping dies for wire end sleeve



Cross section (mm²)	Compr. width (mm)	Order No.
10	18	MIAE10-CK
16	18	MIAE16-CK
25	18	MIAE25-CK
35	18	MIAE35-CK
50	18	MIAE50-CK
70	18	MIAE70-CK
95	18	MIAE95-CK
120	18	MIAE120-CK
150	18	MIAE150-CK
185	18	MIAE185-CK
240	18	MIAE240-CK



NOTCH CONNECTOR

Oval crimping dies for notch connector

Cross section (mm²)	Cu-Conductor Order No.	Al-Conductor Order No.	Al-Steel-rope Order No.
10	MKO10-CK-CU		
16	MKO16-CK-CU		
25	MKO25-CK-CU	MKO25-CK-AL	
35	MKO35-CK-CU	MKO35-CK-AL	
50	MKO50-CK-CU	MKO50-CK-AL	
50/8			MKO50/8-CK
50/30			MKO50/30-CK
70	MKO70-CK-CU	MKO70-CK-AL	
70/12			MKO70/12-CK
95/15			MKO95/15-CK

5



Round dies to round off copper and aluminum sector shaped conductor

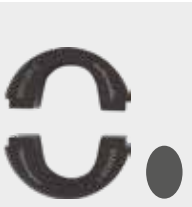
Cross section (mm²)	Compr. width (mm)	Type SE* Order No.	Type SM** Order No.
10	20		MR4,1-CK
16	20		MR5,1-CK
25	20		MR6,3-CK
35	20	MR6,3-CK	MR7,5-CK
50	20	MR7,5-CK	MR9,0-CK
70	20	MR9,0-CK	MR10,5-CK
95	20	MR10,5-CK	MR12,5-CK
120	20	MR12,5-CK	MR14,0-CK
150	20	MR14,0-CK	MR15,7-CK
185	20	MR15,7-CK	MR17,5-CK
240	20	MR17,5-CK	MR20,2-CK
300	20	MR20,2-CK	

Plastic case for crimping dies

Description	Order No.	Dimensions	Weight
Case for 24 crimping dies for 60kN	KKPE-C-CK	410 x 360 x 110 mm	1,4 kg



Plastic case - KKPE-C-CK



H BRANCH TERMINALS

Oval crimping dies for H branch terminals



Cross section (mm²)	Compr. width (mm)	Order No.
2 x 50	5	MRH22-CK
2 x 70	5	MRH26-CK

TWIN CABLE LUGS

Oval crimping dies for twin cable lugs



Compr. width (mm)	Order No.
5	MRD22-CK
5	MRD24-CK

* SE sector solid
** SM sector multi-stranded

SERIES 130





DIN STANDARD

Hexagon crimping dies according to DIN 48083

Copper

cable lugs (DIN 46235) - connectors
(DIN 46267, part 1)



Aluminum

cable lugs (DIN 46239) - connectors
(DIN 46267, part 2)



Cross section (mm²)	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
10	6	5	MK6-C			
16	8	14	MK8-C	12	14	MK12-C
25	10	14	MK10-C			
35	12	14	MK12-C	14	14	MK14-C
50	14	14	MK14-C	16	14	MK16-C
70	16	14	MK16-C	18	14	MK18-C
95	18	14	MK18-C	22	14	MK22-C
120	20	14	MK20-C			
150	22	14	MK22-C	25	14	MK25-C
185	25	14	MK25-C	28	14	MK28L-C
240	28	10	MK28-C	32	17	MK32L-C
300	32	7	MK32-C	34	17	MK34L-C



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Aluminum-Steel connectors

Code No.	Width (mm	Cross section (mm²)		Order No.
		Al-connectors	Steel - connectors	
6	5		16/2,5 25/4 35/6	MK6-C
7	5		50/8	MK7-C
9	5		70/12 95/15	MK9-C
12	14	16/2,5 25/4		MK12-C
13	12		120/20 150/25	MK13-C
14	14	35/6		MK14-C
15	12		44/32 50/30 125/30 170/40 185/30 210/35 230/30 240/40 265/35 305/40 340/30 385/35 450/40 495/35 570/40	MK15-C
16	14	50/8		MK16-C
17	12		210/50 300/50 380/50 510/45 560/50 650/45	MK17-C
18	14	70/12		MK18-C
19	12		95/55 435/55	MK19-C
25	14	44/32 50/30 120/20		MK25-C
28	14	125/30 150/25		MK28L-C
30	14	95/55 170/40 185/30		MK30L-C
34	17	105/75 120/70 210/35 210/50 230/30 240/40		MK34L-C



R-SERIES CABLE LUGS

Hexagon crimping dies for R-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
10	8	MH10-C
16	8	MH16-C
25	10	MH25-C
35	14	MH35-C
50	14	MH50-C
70	14	MH70-C
95	14	MH95-C
120	14	MH120-C
150	14	MH150-C
185	14	MH185-C
240	14	MH240-C
300	7	MH300-C
400	7	MH400-C



I-SERIES CABLE LUGS

Hexagon crimping dies for I-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
10	7	U13-K07M
16	7	U13-K08M
25	12	U13-K10M
35	12	U13-K11M
50	12	U13-K13M
70	12	U13-K14
95	12	U13-K17M
120	12	U13-K18
150	12	U13-K20D
185	14	U13-K22D
240	14	U13-K25M
300	7	U13-K28D
400	7	U13-K34D



BRITISH STANDARD

Hexagon crimping dies according British Standard or equivalent

Copper

Cross section (mm²)	Compr. width (mm)	Order No.
10	10	BS10-C
16	10	BS16-C
25	10	BS25-C
35	14	BS35-C
50	14	BS50-C
70	16	BS70-C
95	16	BS95-C
120	16	BS120-C
150	16	BS150-C
185	16	BS185-C
240	14	BS240-C
300	7	BS300-C
400	7	BS400-C



FINE WIRE

Indent crimping dies for fine wire conductors F-series



Cross section (mm²)	Order No.
16	MDF16-C
25	MDF25-C
35	MDF35-C
50	MDF50-C
70	MDF70-C
95	MDF95-C
120	MDF120-C
150	MDF150-C



INSULATED TERMINALS

Circular crimping dies for insulated terminals DIN 46237 and insulated pin terminals DIN 46231



Cross section (mm²)	Order No.
10	MIQ10-C
16	MIQ16-C
25	MIQ25-C
35	MIQ35-C
50	MIQ50-C
70	MIQ70-C
95	MIQ95-C
120	MIQ120-C



TERMINALS

Indent crimping dies for terminals DIN 46234 pin terminals - DIN 46230, solder-less conn. DIN 46341, steel cable lug



Cross section (mm²)	Order No.
16	MD16-C
25	MD25-C
35	MD35-C
50	MD50-C
70	MD70-C
95	MD95-C
120	MD120-C
150	MD150-C



INSULATED CABLE LUGS

Oval crimping dies for insulated cable lugs



Cross section (mm²)	Compr. width (mm)	Order No.
10	9	U13-P10
16	9	U13-P16
25	9	U13-P25
35	9	U13-P35
50	9	U13-P50
70	9	U13-P70
95	16	U13-P95
120	16	U13-P120
150	16	U13-P150



INSULATED CABLE LUGS

Oval crimping dies for insulated cable lugs



Cross section (mm²)	Compr. width (mm)	Order No.
16	20	MTT16-C
25	20	MTT25-C
35	20	MTT35-C
50	26	MTT50-C
70	26	MTT70-C
95	26	MTT95-C
120	26	MTT120-C
150	26	MTT150-C
185	26	MTT185-C
240	28	MTT240-C

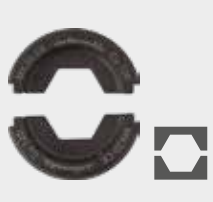


MV CABLE LUGS

Hexagon crimping dies for mediun voltage type copper cable lugs and connectors



Cross section (mm²)	Order No.
25	MMT25-C
35	MMT50-C
50 RC	
50 S	
70	MMT95-C
95 RC	
120 ÷ 95 S	
150 ÷ 95 S	MMT200-C
150 RC ÷ 120 S ÷ 125C	
240 RC ÷ 185 S	MMT315-C
300 RC ÷ 300 S	
300 S	
400 RC	U13-K34D

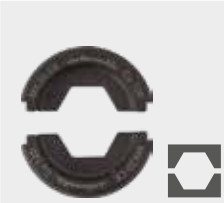


LV OVERHEAD CABLE LUGS

Hexagon crimping dies for Al/Cu lugs and uninsulated/insulated connectors type cable lugs and connectors for low voltage overhead cables

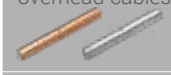


Cross section (mm²)		Order No.	
		Uninsulated	Insulated
35 Al		U13-E113	U13-E173
35 Al	25 Cu		
35 Al	35 Al		
54,6 Aldr.		U13-E173	
54,6 Aldr.	25 Cu		
70 Al		U13-E173	
70 Al	35 Al		
70 Al	50 Cu		
70 Al	70 Al		

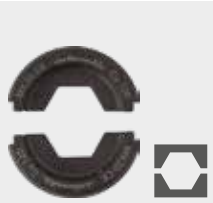


FULL TENSION CONNECTORS

Hexagon crimping dies for Al and Cu full tension connectors for low voltage overhead cables



Cross section (mm²)	Order No.
10 Cu	U13-E70
16 Cu	U13-E75
25 Cu	U13-E96
35 Al	U13-E118
35 Cu	
54,6 Aldr.	U13-E140
70 Al	U13-E158
70 Cu	



AL-ALLOY OVERHEAD CABLE LUGS

Hexagon crimping dies for Al/Cu type cable lugs for low Al-alloy overhead cables



Cross section (mm²)	Order No.
35 Al	U13-E118
70 Al	U13-E158
150 Al	U13-E215

CRIMPING DIES - SERIES 130



Oval crimping dies for the compression of compression dead-ends and oval connector according to DIN 48217 and H branch terminals

Cross section (mm²)	Compr. width (mm)	Dead end clamps and oval connectors			H-Clamp
		Copper	Aluminum	Steel	Copper
		Order No.	Order No.	Order No.	Order No.
10	5	MO10-C	MO10-C		
16	5	MO12-C	MO12-C		MO16-C
25	5	MO16-C	MO16-C		MO18-C
35	5	MO18-C	MO18-C	MO18-C	MO21-C
50	5	MO20-C	MO20-C	MO20-C	
70	5	MO22-C	MO22-C	MO22-C	
95	5	MO24-C	MO24-C	MO25-C	
120	5	MO26-C	MO26-C		

5



H BRANCH TERMINALS

Oval crimping dies for H branch terminals



Cross section (mm²)	Compr. width (mm)	Order No.
2 x 50	30	MRH22-C
2 x 70	30	MRH26-C
2 x 95	30	MRH30-C
2 x 120	2x5	MRH32-C

TWIN CABLE LUGS

Oval crimping dies for twin cable lugs



Compr. width (mm)	Order No.
12	MRD22-C
12	MRD24-C
12	MRD29-C
12	MRD32-C



C CONNECTORS

Oval crimping dies for copper C connectors for Italian type or equivalent



Cross section (mm²)		Order No.
Run	Tap	
10	10 ÷ 1,5	U13-DC10
16	16 ÷ 1,5	U13-DC25
25 ÷ 16	10 ÷ 1,5	
25	25 ÷ 16	
40 ÷ 35	16 ÷ 1,5	U13-DC35
40 ÷ 35	40 ÷ 25	
50	25 ÷ 10	
70 ÷ 63	25 ÷ 1,5	
50	25 ÷ 4	U13-DC70
50	50 ÷ 35	
70 ÷ 50	40 ÷ 4	
70 ÷ 50	70 ÷ 35	
100 ÷ 95	40 ÷ 4	U13-DC95
100 ÷ 95	70 ÷ 40	
100 ÷ 95	100 ÷ 63	
125 ÷ 110	125 ÷ 25	U13-DC185
160 ÷ 150	125 ÷ 25	
150	150 ÷ 63	
185	100 ÷ 16	



Round dies to round off copper and aluminum sector shaped conductor

Cross section (mm²)	Compr. width (mm)	Type	
		SE	SM
		Order No.	Order No.
10	35		MR4,1-C
16	35		MR5,1-C
25	35	MR5,1-C	MR6,3-C
35	35	MR6,3-C	MR7,5-C
50	35	MR7,5-C	MR9,0-C
70	35	MR9,0-C	MR10,5-C
95	35	MR10,5-C	MR12,5-C
120	35	MR12,5-C	MR14,0-C
150	35	MR14,0-C	MR15,7-C
185	35	MR15,7-C	MR17,5-C
240	35	MR17,5-C	MR20,2-C
300	35	MR20,2-C	MR22,5-C



STRIP OFF ACSR

Strip off Aluminum part of ACSR cables***

Cross section (mm²)	Order No.
50/8	AL-ST 50/8-C
50/30	AL-ST 50/30-C
70/12	AL-ST 70/12-C
95/15	AL-ST 95/15-C
95/55	AL-ST 95/55-C
120/20	AL-ST 120/20-C
150/25	AL-ST 150/25-C
170/40	AL-ST 170/40-C
185/30	AL-ST 185/30-C
210/35	AL-ST 210/35-C
240/40	AL-ST 240/40-C
265/35	AL-ST 265/35-C



I-SERIES CABLE LUGS

Indent crimping dies for I-series cablelugs and connectors



CI-M.. CI-M..-90 CI-M..-45 CTT-.. CI-M..-CL CI-M..-PR

Die reference	Indent	Cross section mm²		No. of crimpings
		rigid	flexible	
U13-S6	U13-PZ6	4-6		1
U13-S16	U13-PZ25	10 16		1
U13-S25		25		1
U13-S35	U13-PZ50	35	25 35	1
U13-S50		50	35 50	1
U13-S70	U13-PZ95	70	50 70	1
U13-S95		95	70 95	1
U13-S120	U13-PZ120	120	95 120	1
U13-S150	U13-PZ240	150	120 150	
U13-S185		185	150 185	
U13-S240		240	185 240	
U13-S300	U13-PZ300	300	240 300	



Plastic case - KKPE-C-CK



Plastic case - KKPE-TN

Plastic cases for crimping dies

Description	Order No.	Dimensions	Weight
Case for 24 crimping dies for 130kN	KKPE-C-CK	410 x 360 x 110 mm	1,4 kg
Case for deep indent dies	KKPE-TN	410 x 360 x 110 mm	1,4 kg

* SE sector solid
** SM sector multi-stranded
*** depending on type and size of joining accessories

SERIES 230



PP230



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Copper

cable lugs (DIN 46235) - connectors
(DIN 46267, part 1)



ICD ICD_90 ICD_V ICD_VL

Aluminum

cable lugs (DIN 46239) - connectors
(DIN 46267, part 2)



ICAL_LD ICAL_LDV ICAL ICAL_V ICAL_V30 ICALCU ICALCU_V

Cross section (mm²)	Copper Code No.	Compr. width (mm)	Order No.	Aluminum Code No.	Compr. width (mm)	Order No.
16				12	14	MK12-230
25	10	14	MK10-230			
35	12	14	MK12-230	14	14	MK14-230
50	14	14	MK14-230	16	14	MK16-230
70	16	14	MK16-230	18	12	MK18-230
95	18	12	MK18-230	22	40	MK22B-230
120	20	14	MK20-230			
150	22	14	MK22-230	25	40	MK25B-230
185	25	14	MK25-230	28	40	MK28B-230
240	28	14	MK28-230	32	25	MK32B-230
300	32	17	MK32-230	34	25	MK34B-230
400	38	17	MK38-230	38	25	MK38B-230
500	42	17	MK42-230	44	17	MK44-230
630	44	17	MK44-230	46	25	MK46B-230



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm²)		Order No.
		Al-connectors	Steel - connectors	
12	14	16/2,5 25/4		MK12-230
13	14		120/20 150/25	MK13-230
14	14	35/6		MK14-230
15	14		44/32 50/30 125/30 170/40 185/30 210/35 230/30 240/40 265/35 305/40 340/30 385/35 450/40 495/35 570/40	MK15-230
16	14	50/8		MK16-230
17	14		210/50 300/50 380/50 510/45 560/50 650/45	MK17-230
18	14	70/12		MK18-230
19	14		95/55 435/55	MK19-230
21	14		105/75 120/70 490/65 550/70	MK21-230
22	40	95/15		MK22B-230
23	14		680/85	MK23-230
25	40	44/32 50/30 120/20		MK25B-230
28	40	125/30 150/25		MK28B-230
30	25	95/55 170/40 185/30		MK30B-230
34	25	105/75 120/70 210/35 210/50 230/30 240/40		MK34B-230
38	25	265/35 300/50 305/40 340/30		MK38B-230
42	25	380/50 385/35		MK42B-230



R-SERIES CABLE LUGS

Hexagonal crimping dies for R-series type cable lugs and connectors



Cross section (mm²)	Compr. width (mm)	Order No.
120	14	MH120-230
150	14	MH150-230
185	14	MH185-230
240	17	MH240-230
300	17	MH300-230
400	17	MH400-230
500	17	MH500-230
630	17	MH625-230



FINE WIRE

Indent crimping dies for fine wire conductors F-series



Cross section (mm²)	Order No.
120	MDF120-230
150	MDF150-230
185	MDF185-230
240	MDF240-230
300	MDF300-230



NOTCH CONNECTOR

Oval crimping dies for notch connector

Cross section (mm²)	Cu-Conductor Order No.	Al-Conductor Order No.	Al-Steel-rope Order No.
10	MKO10-230-CU		
16	MKO16-230-CU		
25	MKO25-230-CU	MKO25-230-AL	
35	MKO35-230-CU	MKO35-230-AL	
50	MKO50-230-CU	MKO50-230-AL	
50/8			MKO50/8-230
50/30			MKO50/30-230
70	MKO70-230-CU	MKO70-230-AL	
70/12			MKO70/12-230
95	MKO95-230-CU	MKO95-230-AL	
95/15			MKO95/15-230
120	MKO120-230-CU	MKO120-230-AL	
120/21			MKO120/21-230
125/30			MKO125/30-230
150	MKO150-230-CU	MKO150-230-AL	
150/25			MKO150/25-230
185		MKO185-230-AL	
185/32			MKO185/32-230
240		MKO240-230-AL	
210/36			MKO210/36-230
210/50			MKO210/50-230
240/40			MKO240/40-230



H BRANCH TERMINALS

Oval crimping dies for H branch terminals



TWIN CABLE LUGS

Oval crimping dies for twin cable lugs



Cross section (mm²)	Compr. width (mm)	Order No.	Compr. width (mm)	Order No.
2 x 50	40	MRH22-230	40	MRD22-230
2 x 70	40	MRH26-230	40	MRD24-230
2 x 95	40	MRH30-230	40	MRD29-230
2 x 120	40	MRH32-230	40	MRD32-230
2 x 150	40	MRH34-230		

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Adapter for crimping dies 130 kN

Allows use of all dies up to 185² (C-shape) for the tool 130kN on model PP230

Description	Order No.	For Dies	Weight
Adapter	AD230-130	130 kN	0,82 kg

SERIES 520



PP520



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Copper

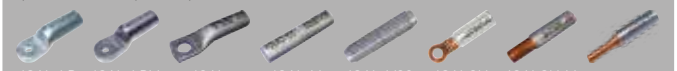
cable lugs (DIN 46235) - connectors
(DIN 46267, part 1)



ICD ICD_90 ICD_V ICD_VL

Aluminum

cable lugs (DIN 46239) - connectors
(DIN 46267, part 2)



ICAL_LD ICAL_LDV ICAL ICAL_V ICAL_V30 ICALCU ICALCU_V

Cross section (mm²)	Code No.	Compr. width (mm)	Order No.	Code No.	Compr. width (mm)	Order No.
16				12	14	MK12-520
25						
35	12	14	MK12-520	14	14	MK14-520
50	14	14	MK14-520	16	14	MK16-520
70	16	14	MK16-520	18	14	MK18-520
95	18	14	MK18-520	22	40	MK22B-520
120	20	14	MK20-520			
150	22	14	MK22-520	25	40	MK25B-520
185	25	14	MK25-520	28	40	MK28B-520
240	28	14	MK28-520	32	40	MK32B-520
300	32	17	MK32-520	34	40	MK34B-520
400	38	17	MK38-520	38	40	MK38B-520
500	42	17	MK42-520	44	40	MK44B-520
630	44	17	MK44-520	52	40	MK52B-520
800	52	25	MK52-520	58	25	MK58-520
1000	58	25	MK58-520	60	25	MK60-520



DIN STANDARD

Hexagon crimping dies according to DIN 48083

Aluminum-Steel connectors

Code No.	Width (mm)	Cross section (mm²)		Order No.
		Al-connectors	Steel - connectors	
12	14	16/2,5 25/4		MK12-520
13	14		120/20 150/25	MK13-520
21	14		105/75 120/70 490/65 550/70	MK21-520
22	40	95/15		MK22B-520
23	14		680/85	MK23-520
25	40	44/32 50/30 120/20		MK25B-520
28	40	125/30 150/25		MK28B-520
30	40	95/55 170/40 185/30		MK30B-520
34	40	105/75 120/70 210/35 210/50 230/30 240/40		MK34B-520
38	40	265/35 300/50 305/40 340/30		MK38B-520
42	40	380/50 385/35		MK42B-520
46	40	435/55 450/40		MK46B-520
50	40	495/35 510/45 490/65		MK50B-520
52	40	570/40 580/50 550/70		MK52B-520
58	25	650/45 680/85		MK58-520



Adapter for crimping dies 130 kN

Allows use of all dies (C-shape) for the tool 130kN on model PP520

Description	Order No.	For Dies	Weight
Adapter	AD520-130	130 kN	1,78 kg