

Tools



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Cable connection
solutions



Electrical fixing &
fasteners



Earthing, surge &
lightning protection



Testing
equipment



Safety &
PPE



Tools

Industry-leading electrical solutions

At PPI, we take pride in delivering industrial electrical materials and customised solutions tailored to the unique needs of our clients in the industrial, mining and infrastructure sectors across the Asia-Pacific region and Australia.

Our extensive capabilities range from innovative design and meticulous procurement of high-quality materials to efficient supply and seamless project management. This comprehensive approach has earned us a reputation as leaders in industrial, mining and infrastructure electrical solutions.

OUR JOURNEY

Since our establishment in 2017, PPI has rapidly expanded our services and reach to meet the diverse needs of our clients. Our dedication to excellence and customer satisfaction has driven us to establish a robust presence in key locations, enabling us to provide superior service and support.

OUR COMMITMENT

At PPI, our mission is to make complex industrial solutions, easy. We are committed to innovation, quality, and customer satisfaction, striving to build lasting relationships with our clients based on trust and excellence.







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MULTIFUNCTIONAL ELECTRICIAN SCISSORS

Scissors with triple function, crimping, stripping and cutting



30112 TS-50

Premium professional scissors 3 in 1: crafted with stainless steel for super high resistance and durability. Featuring high-hardness blades and an anti-slip serrated edge for precise cutting. The handles are lightweight, robust, and made from impact-resistant plastic material, with embedded anti-slip ridges for a secure grip.

- 1 crimping function.
- 2 stripping functions.
- Cutting wire function.
- Anti-slip serrated blade.
- Special whole steel frame.
- Blades are whole frame.
- Scissor carrying case included. (belt-adjustable)



Code	Ref.	Max. cutting range	Crimping range	Stripping capacity between handles	Length	Weight
316000	TS-50	50 mm ²	2.5-6 mm ²	1.5/2.5 mm ²	160 mm	0.15 kg

Scissors with multi-holding way



30112 TS-70

Premium professional scissors 3 in 1: crafted with the stainless steel for super high resistance and durability. Featuring high-hardness blades and an anti-slip serrated edge for precise cutting. Ergonomically-designed for comfortable, precise, and durable use. Extended capacity for stripping, crimping and cutting.

- 2 crimping functions.
- 3 stripping functions.
- Cutting wire function.
- Blades are whole frame.
- Handles crafted from impact-resistant plastic.
- Anti-slip ridges made of TPR.
- Ergonomic design.
- Scissor carrying case included. (belt-adjustable)



Code	Ref.	Max. cutting range	Crimping range	Stripping capacity between handles	Length	Weight
316001	TS-70	70 mm ²	2.5-6 mm ²	1.5/2.5/4 mm ²	170 mm	0.18 kg

MULTIFUNCTIONAL ELECTRICIAN SCISSORS

Multi-function heavy duty electrician scissors, crimping, stripping and cutting



30112 TS-95

New Generation Professional Scissors: capable of cutting cables up to 95 mm². These scissors are equipped with a convenient wire stripping function compatible with cable sizes ranging from 0.34 mm² to 6 mm² (AWG 22-10). Crafted from high-quality, durable stainless steel, they are built to withstand the rigors of daily use.

- 2 crimping functions.
- 7 stripping functions.
- 3 cutting wire functions.
- Blades are whole frame.
- High Hardness Blades.
- Enhanced Grip and ergonomic design.
- Scissor carrying case included. (belt-adjustable)

4 in 1 crimping stripping cutting



Code	Ref.	Max. cutting range	Crimping range	Stripping capacity between handles	Length	Weight
316002	TS-95	95 mm ²	2.5-6 mm ²	0.34-6 mm ² (AWG 22-10)	204 mm	0.26 kg



30701 BP-7/18 Universal belt pouch

- Superior quality, strong and durable
- Sold separately



Code	Ref.	Dimensions
600165	BP-7/18	180 x 74 x 37 mm

CABLE CUTTERS

For copper
and aluminium cables



20101 SF-21

For copper and aluminium cables
up to 16 mm².
Not for cutting steel or steel wire.

Code	Ref.	Length	Weight
380120	SF-21	160 mm	0.19 kg



20101 SF-30

For copper and aluminium cables
up to 35 mm².
Not for cutting steel or steel wire.

Code	Ref.	Length	Weight
380130	SF-30	210 mm	0.36 kg



20101 SF-31

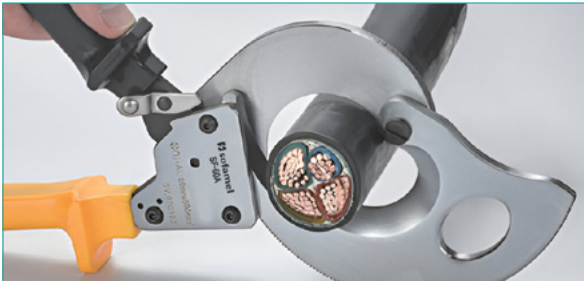
For copper and aluminium cables
up to 50 mm².
Not for cutting steel or steel wire.

Code	Ref.	Length	Weight
380140	SF-31	235 mm	0.50 kg



CABLE CUTTERS

For copper and aluminium cables



20101 SF-36A

- Light weight, compact structure, easy operation.
- Suitable for narrow space work.
- Clean and smooth cut without crushing and deformation.
- Innovative two-stage ratchet drive and high torque transmission, one hand or two hands easy operation.

Code	Ref.	Max. cutting range	Length	Weight
380010	SF-36A	≤Ø 36 mm 300 mm²	250 mm	0.61 kg



Single conductor cable, solid



Single conductor cable, fine and multiple strands



20101 SF-60A

- Light weight, compact structure, easy operation.
- Suitable for narrow space work.
- Clean and smooth cut without crushing and deformation.
- Innovative two-stage ratchet drive and high torque transmission, one hand or two hands easy operation.

Code	Ref.	Max. cutting range	Length	Weight
380020	SF-60A	≤Ø 60 mm 500 mm²	310 mm	0.84 kg



Multiple conductor cable, multiple strands and solid

CABLE CUTTERS

For copper and aluminium conductor
and communication cable



20101 SF-240

- For cutting copper and aluminium conductors as well as multiple stranded cables.
- Favourable transmission ratio due to double lever.
- Blade: high-grade chrome vanadium electric steel, forged, hardened, replaceable blades.
- Handles material: steel.

Code	Ref.	Max. cutting range	Length	Weight
380028	SF-240	≤Ø 35 mm 240 mm²	565 mm	2.15 kg



Single conductor cable, solid



Single conductor cable, fine and multiple strands

20101 SF-500

- For cutting copper and aluminium conductors as well as multiple stranded cables.
- Favourable transmission ratio due to double lever.
- Blade: high-grade chrome vanadium electric steel, forged, hardened, replaceable blades.
- Handles material: steel.

Code	Ref.	Max. cutting range	Length	Weight
380029	SF-500	≤Ø 55 mm 500 mm²	745 mm	4.48 kg



Multiple conductor cable, multiple strands and solid

CRIMPING TOOLS FOR NON INSULATED TERMINALS

Manual crimping tools
by punching



20102 SF-P70

- For copper and aluminum tubular terminals (type T, TL, TBE)
- from 6 to 70 mm².
- Adjustment by section screw.
- Steel alloy handles.
- Not suitable for solid bimetallic terminals.

Code	Ref.	Crimping range	Length	Weight
385015	SF-P70	6-70 mm ²	462 mm	2.08 kg



20102 SF-P150

- For copper and aluminum tubular terminals (type T, TL, TBE)
 - from 10 to 150 mm².
 - Adjustment by section screw.
 - Steel alloy handles.
- Not suitable for solid bimetallic terminals.

Code	Ref.	Crimping range	Length	Weight
385020	SF-P150	10-150 mm ²	706 mm	3.34 kg



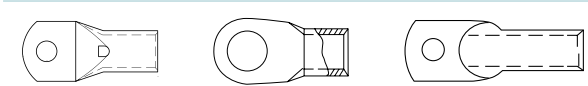
New generation manual crimping tool, engineered for robust performance and unparalleled comfort. This tool features an ergonomic design that minimizes strain and maximizes efficiency, making it the ideal choice for professionals seeking superior crimping capabilities.

Ergonomic Handle: the tool's ergonomic handle provides a comfortable grip, reducing hand fatigue during extended use.

Robust Construction: built to withstand rigorous use, this crimping tool is crafted from high-quality materials, ensuring long-lasting durability.

Precision Punch Crimping: with advanced punch mechanism, specifically designed for tubular terminals made of copper and aluminum.

Copper tubular lugs



CRIMPING TOOLS FOR NON INSULATED TERMINALS

New generation hexagonal crimping tools

The crimping tools SF-70 and SF-120 are used for standard electrical connections.

The crimping dies are made from the most durable steel and feature a long service life, precise crimping diameter, and exceptional crimping effectiveness. Specially designed for our tubular terminals, series T, TL, TBE, among others.



20102 SF-70

- For tubular copper terminals from 6 to 70 mm².
- Section adjustment by revolver system.
- Hexagonal compression.
- Not suitable for solid bimetallic terminals.

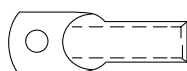
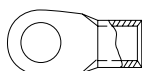
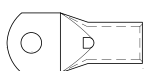
Code	Ref.	Crimping range	AWG	Length	Weight
380024	SF-70	6-70 mm ²	10-2/0	430 mm	1.75 kg

20102 SF-120

- For tubular copper terminals from 10 to 120 mm².
- Section adjustment by revolver system.
- Hexagonal compression.
- Not suitable for solid bimetallic terminals.

Code	Ref.	Crimping range	AWG	Length	Weight
380025	SF-120	10-120 mm ²	7-4/0	625 mm	3.2 kg

Copper and aluminium tubular lugs



CRIMPING TOOLS FOR NON INSULATED TERMINALS

Ratchet terminal crimping tools

The enhanced ratchet system requires less force. All crucial components of our new crimping tools have undergone special hardening, ensuring high efficiency and prolonged lifespan.

20102 SF-6D

- For cable lugs from 0.5 to 6 mm².
- Punching compression.
- Not suitable for solid bimetallic terminals.



Code	Ref.	Crimping range	AWG	Length	Weight
380021	SF-6D	0.5-6 mm ²	20-10	180 mm	0.25 kg

20102 SF-16D

- For cable lugs from 2.5 to 16 mm².
- Punching compression.
- Not suitable for solid bimetallic terminals.



Code	Ref.	Crimping range	AWG	Length	Weight
380022	SF-16D	2.5-16 mm ²	13-5	275 mm	0.44 kg

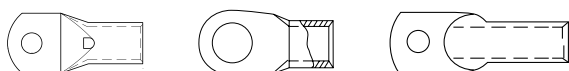
20102 SF-35D

- For cable lugs from 10 to 35 mm².
- Punching compression.
- Not suitable for solid bimetallic terminals.



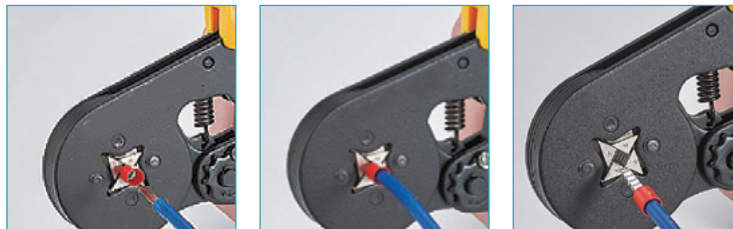
Code	Ref.	Crimping range	AWG	Length	Weight
380023	SF-35D	10-35 mm ²	8-1/0	335 mm	0.65 kg

Copper and aluminium tubular lugs



CRIMPING TOOLS FOR INSULATED AND NON-INSULATED FERRULES

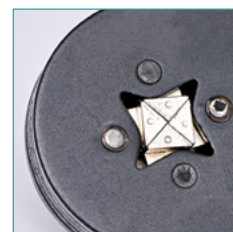
Mini-Type self-adjustable crimping plier
Insulated and non-insulated ferrules



20104 SF-42

- Lugs are effortlessly inserted into the crimping pliers from the side.
- The adaptive crimping pliers accommodate lug specifications within the crimp range, eliminating the need to differentiate between terminal sizes.
- They are compatible with all single-line bushings and two-wire bushing lugs within the specified application range.
- For cord end terminals from 0,5 to 6 mm².
- Compression system by squared diaphragm.

Code	Ref.	Crimping range	AWG	Length	Weight
390125	SF-42	0.25-10 mm ²	26-7	175 mm	0.4 kg



We've made significant improvements to our SF-42 tool.
The new SF-42 has a quick pressure adjustment knob. The pressure adjustment knob is divided into three pressure output files: 0.25-2.5 mm², 4-6 mm², 10 mm².
The number of times the crimping pliers has been used has been increased from 30,000 to 60,000 times after the adjustment knob is improved.



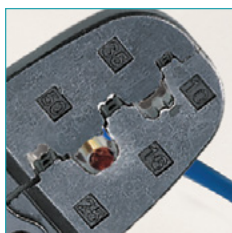
For the used of crimping of insulated and non-insulated bushing terminals. It is automatically adjusted according to the cross-sectional area of the terminals during crimping to facilitate the crimping operation of terminals of different sizes. After the bushings are crimped into a square shape It ensures the best contact surface and is DIN compliant.



When the crimping is not the same size, simply pull the adjustment knob to the corresponding specification and then reset.

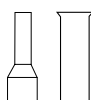
CRIMPING TOOLS FOR INSULATED AND NON-INSULATED FERRULES

These crimping tools for ferrules, featuring punch compression, combine simplicity and convenience. Their durable and ergonomic design ensures reliable performance and a long lifespan, making them ideal for applications that require precision and efficiency.



20104 SF-55

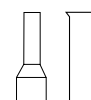
- For insulated and non-insulated ferrules of 10, 16, 25, 35 and 50 mm².
- With ratchet device.
- Punching compression.



Code	Ref.	Crimping range	AWG	Length	Weight
390180	SF-55	10-50 mm ²	8-1/0	320 mm	0.72 kg

20104 SF-6

- For insulated and non-insulated ferrules of 0.50 to 16 mm².



Code	Ref.	Crimping range	AWG	Length	Weight
390100	SF-6	0.5-16 mm ²	22-6	220 mm	0.29 kg

CRIMPING TOOLS FOR INSULATED AND NON-INSULATED FERRULES

Compression using ratchet mechanism

Improvements have been implemented in the tool, including the dies, the vertex of the angular press, and the handle design, all aligned with human-centered engineering principles. These advanced improvements result in a more efficient user experience, simplifying operation and enhancing comfort.

20104 SF-10W

- For insulated and non-insulated ferrules from 0.25 to 10 mm².
- Compression using ratchet mechanism.



Code	Ref.	Crimping range	AWG	Length	Weight
380031	SF-10W	0.25-10 mm ²	23-7	205 mm	0.48 kg



20104 SF-35W

- Insulated and non-insulated ferrules from 10 to 35 mm².
- Compression using ratchet mechanism.



Code	Ref.	Crimping range	AWG	Length	Weight
380032	SF-35W	10-35 mm ²	5-2	205 mm	0.55 kg



CRIMPING TOOLS FOR INSULATED TERMINALS

The precise dies and the integral locking mechanism with self-release ensure high-quality crimping performance, even after multiple uses. The ergonomic design, with optimal center of gravity balance, the superior angular press, and the handle designed according to human engineering principles, make operation easier and more comfortable.

20104 SF-6J

- For insulated terminals from 0.5 to 6 mm².
- Compression using ratchet mechanism.



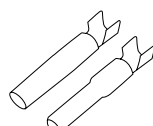
Code	Ref.	Crimping range	AWG	Length	Weight
380034	SF-6J	0.5-6 mm ²	20-10	205 mm	0.48 kg



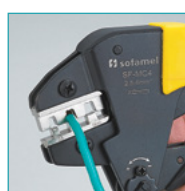
Crimping tool for solar connectors

20103 SF-MC4

- Crimping tool for solar connectors to 2.5-6 mm² cables for photovoltaic installations.



Code	Ref.	Crimping range	Length	Weight
380033	sf-MC4	2.5-6 mm ²	205 mm	0.49 kg



MULTIPURPOSE TOOLS

Multipurpose tool 5 in 1



20104 SF-5

The 5-in-1 multipurpose tool offers versatility by combining several functions and optimizes space in the toolbox. Increases efficiency by reducing changeover times between tools and improves productivity. Its ergonomic design provides comfort, reducing fatigue and improving work precision. Its compact design makes it easy to transport for professionals on the go. Made with high quality materials, it guarantees durability and long-lasting, reliable performance.

Multipurpose tool 5 in1:

- Wire cutter.
- Crimping insulated terminals from 1,5 to 6,0 mm².
- Crimping non insulated terminals from 1,5 to 6,0 mm².
- Wire stripper from 0,75 to 6,0 mm².
- Iron screw cutter from M2.6 to M5.

Code	Ref.	Crimping range	Length	Weight
395100	SF-5	1.5-6 mm ²	220 mm	0.48 kg

Multipurpose tool that includes 5 sets of dies



20104 SF-C

The SF-C includes five sets of interchangeable dies. This versatility makes it an all-in-one solution for various crimping tasks, offering efficiency and convenience in a single device.

Multipurpose tool that includes 5 sets of dies:

- Insulated terminals from 0.5-6 mm².
- Cord end terminals from 0.25-10 mm².
- Cord end terminals from 10-35 mm².
- Twin cord end terminals from 2X(0.5-6 mm²).
- Non-insulated terminals from 0.5-10 mm².

Supplied with a carrying bag and screwdriver to facilitate changing dies.



Code	Ref.	Crimping range	Length	Weight
380035	SF-C	According to the die	243 mm	0.75 kg



STRIPPING TOOLS

For stripping the plastic or rubber insulation



20105 SF-D10

- For stripping the plastic or rubber insulation of the single, multiple cables and wires of 0.02-6 mm².
- With wire cutter for copper and aluminum wires, multiple strand up to 6 mm².
- No damaging of the conductor core, long lifetime.



Code	Ref.	Stripping range	Length	Weight
380026	SF-D10	0.02-6 mm ²	190 mm	0.15 kg

For stripping the plastic or rubber insulation



20105 PL-6

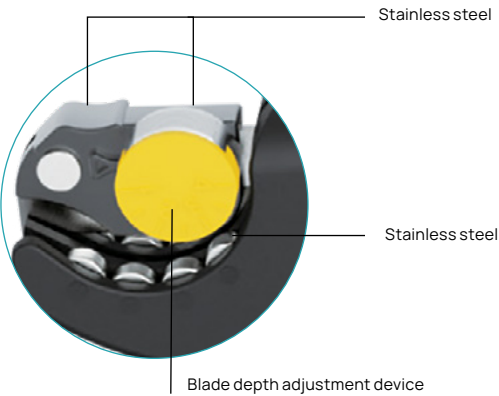
- Stripping diameter can be adjusted automatically for different wire cross sections.
- Precise blade design without damaging the conductor cores.
- During stripping, the wire is held firm by clamping jaws.
- With adjustable length stop, with a spring returns the stripper to the starting position, long lifetime.

Code	Ref.	Stripping range	Length	Weight
380030	PL-6	0.25-2.5 mm ²	170 mm	0.25 kg



STRIPPING TOOLS

For stripping the plastic or rubber insulation



Wire stripper

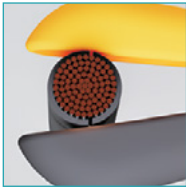


20105 SF-D30

- Minimizes the risk of injury while stripping cables, ensuring a secure operation every time.
- The straightforward design allows for quick and easy use.
- Designed with ergonomics in mind, the handle provides a comfortable and firm grip, reducing hand strain during prolonged use.
- For stripping the plastic or rubber insulation of the single, multiple cables and wires of 10-300 mm².
- No damaging of the conductor core, long lifetime.

Code	Ref.	Stripping range	Length	Weight
380027	SF-D30	Ø 8-30 mm / 10-300 mm ²	176 mm	0.13 kg

Code	Model
380037	Spare blade for SF-D30



20105 SF-38

- Designed for fast, safe and accurate stripping of PE, PVC, rubber and other materials. Ideal for fibre optic cables, providing accurate stripping on multi-fibre cables.
- Suitable for cable diameters from 4 to 25 mm.
- Allows rotary or longitudinal cuts along the length of the cable for end stripping.
- Spiral cut facilitates removal of tougher jackets.
- Spring-loaded bracket secures the cable firmly to the blade for a controlled cut.
- Ergonomic design for ease of use and storage.
- Long lasting blade for easy depth adjustment.

Code	Ref.	Stripping range	Length	Weight
400110	SF-38	4-25 mm	136 mm	0.13 kg

OTHER TOOLS

Cable ties



20106 SF-39

- The SF-39 tensioning tool is designed to efficiently tension and cut plastic or metal ties. It offers consistent use over many cycles and is equipped with padded non-slip handles for increased comfort and control.

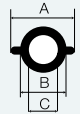
Code	Ref.	Tie width	Length	Weight
405100	SF-39	2.4-9.0 mm	195 mm	0.3 kg

Multifunctional cross wrench



20106 SF-LC

- Versatile industrial tool, ideal for opening electrical panels, gas boxes, cabinet doors, toolboxes, and other locking systems. Also suitable for screwing and unscrewing (Phillips PH2 and flat PL6.5). Perfect for electricians, building maintenance personnel, utility workers, among others.
- Material: High-quality zinc alloy.
- Robust structure for prolonged use.
- Compact and easy-to-carry design.

Code	Ref.										Length	Weight
		A	B	A	B	A	B	A	B	C		
20106001	SF-LC	14 mm	8 mm	12 mm	6 mm	14 mm	9 mm	14 mm	9 mm	5.5 mm	72 mm	0.1 kg

STRIPPING TOOLS FOR MV CABLES

20105 UCS-25-LV/MV

- Universal wire stripper for external BT/MT insulation.
- Include replaceable blade.
- Include tool holder case to attach to the belt.

Not suitable for working under tension.



Applicable for:



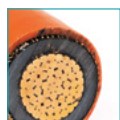
Communication cable



LV cable (PLV insulation)



MV cable (PVC constructed)



MV cable (PLV insulation)

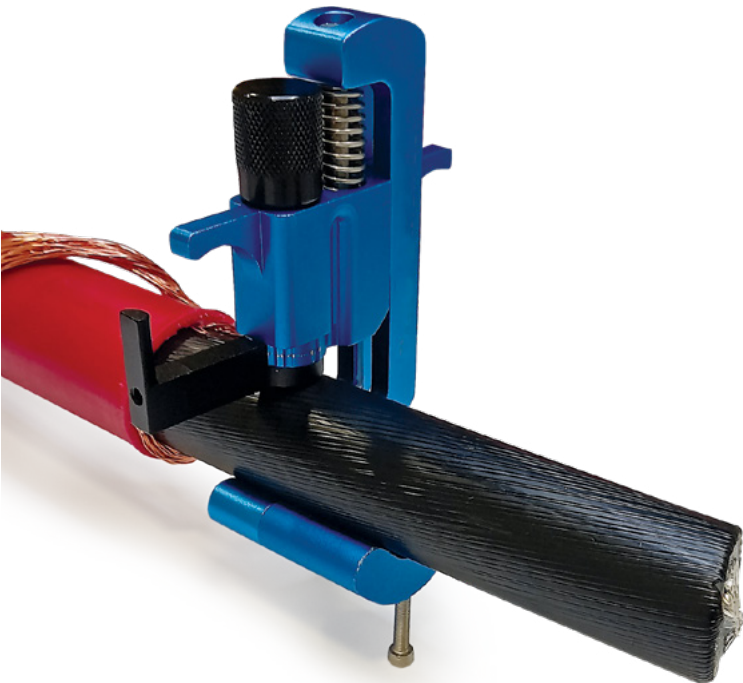


Code	Ref.	Cable Ø	Cutting thickness	Length	Weight
400006	UCS-25-LV/MV	≥25 mm	0-5 mm	160 mm	0.2 kg

Code	Ref.	Description
400007	SB UCS-25	Replacement blade

Includes a tool belt pouch designed to keep the UCS-25 always within reach, making work easier and improving efficiency. Superior quality, sturdy, and durable.

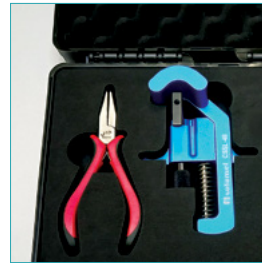
STRIPPING TOOLS FOR MV CABLES



Cable stripper for strippable semi-conductor layer

20105 CSSL-40

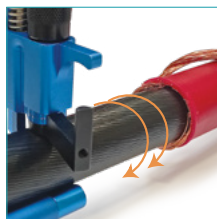
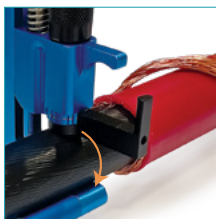
- Application: To strip 10/11 kV or 20/22 kV Strippable Semiconductor.
- Adjustable cutting depth, max. 2 mm, adjustable range of rotary knob is 0-0.9 mm, each adjustable depth is 0.1 mm.
- Applicable cable Ø: 16-41 mm.
- Blade min. hardness: 52 HRC.
- Include a pliers and tool holder briefcase.



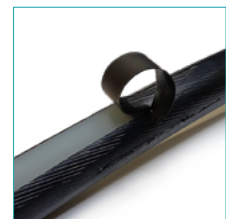
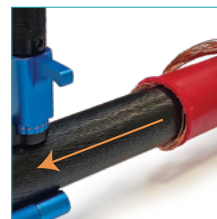
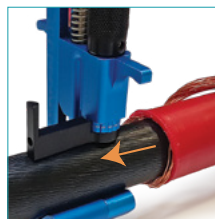
Peeling process

There are two methods for stripping the semiconducting layer:

1. Spiral cutting



2. Longitudinal cutting



Code	Ref.	Layer Ø	Cutting thickness	Tool dimensions	Briefcase dimensions	Tool Weight	Briefcase Weight
400008	CSSL-40	16-41 mm	5 mm	120x60x50 mm	240x210x70 mm	0.21 kg	0.43 kg

Code	Ref.	Model	Hardness
400009	CSSL-40	Spare blade for CSSL-40	52 HRC

STRIPPING TOOLS FOR MV CABLES

Cable stripping tool for non-removable semiconductor layer



20105 CSNL-54

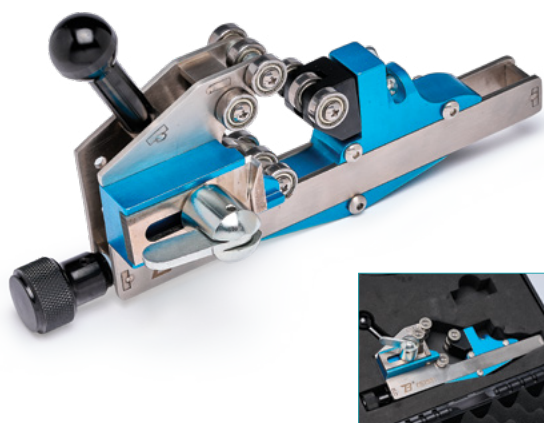
Tool for stripping non-removable semiconductor layers of 10, 20 and 35 kV power cables (Ø of the cable: 16-51 mm). It has a small radius of rotation (maximum only 90 mm). It can be operated in narrow space and operated on a cable with more than three cores. The bearing are flexible and easy to rotate, making it easy for the operator to strip the cable.

- Applied to 35 kV non-strippable semi-conductor.
- With chamfer on blade, leaving chamfer on semi-conductor.
- One-way stripping.
- Can be fixed tightly on cable.
- Offers stripping depths ranging from 0 to 1.5 mm.
- Compatible with cable diameters ranging from 30 mm to 54 mm.
- Ensures a secure fixation.
- Lightweight design.
- Include tool holder briefcase.

Code	Ref.	Cable Ø	Stripping depth	Weight	Dimensions (mm)
400010	CSNL-54	30-54 mm	0-1.5 mm	0.6 kg	180x95x47

Code	Ref.	Model
400011	SB CSNL-54	Spare blade for CSNL-54

Cable stripper for primary insulation



20105 CSML-54

Suitable for stripping main insulation of 10 kV, 20 kV and 35 kV cables. Features both slice and rotary cutting functions, with adjustable blade angles for versatility.

- Equipped with a replaceable blade for extended usage.
- Adjustable stripping depth ranging from 0 to 15 mm.
- Compatible with cable diameters ranging from 15 mm to 54 mm.
- Lightweight design.
- Include tool holder briefcase.

Code	Ref.	Cable Ø	Stripping depth	Weight	Dimensions (mm)
400024	CSML-54	15-54 mm	0-15 mm	0.7 kg	180x95x47

Code	Ref.	Model
400025	SB CSML-54	Spare blade for CSML-54

STRIPPING TOOLS FOR MV CABLES

Cable stripper for primary insulation



20105 CSML-25/240

The tool is designed to remove the insulation of ethylene propylene rubber (G7) or cross-linked polypropylene (XLPE) from 10/11 kV or 20/22 kV cables with the following cross-sectional areas: 25, 35, 50, 70, 95, 120, 150, 185, and 240 mm².

- Include tool holder briefcase.



Code	Ref.	Working range	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
400023	CSML-25/240	20 kV	234×122×46 mm	440×360×125 mm	0.35 kg (handle + a peeling head)	0.6 kg



STRIPPING TOOLS FOR MV CABLES



20105 CSML-H

Cable stripper for main layer
(Handle only)

The tool is designed to remove the insulation of ethylene propylene rubber (G7) or cross-linked polypropylene (XLPE) from 10/11 kV or 20/22 kV cables with the following cross-sectional areas: 25, 35, 50, 70, 95, 120, 150, 185, and 240 mm².

Code	Ref.	Working range	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
400013	CSML-H	20 kV	234×122×46 mm	440×360×125 mm	0.35 kg (handle + a peeling head)	0.6 kg

Code	Ref.	Working range	Use with CSML	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
400014	CSML-I 25	20 kV	25 mm ²	234×122×46 mm	440×360×125 mm	0.35 kg (handle + a peeling head)	0.6 kg
400015	CSML-I 35		35 mm ²				
400016	CSML-I 50		50 mm ²				
400017	CSML-I 70		70 mm ²				
400018	CSML-I 95		95 mm ²				
400019	CSML-I 120		120 mm ²				
400020	CSML-I 150		150 mm ²				
400021	CSML-I 185		185 mm ²				
400022	CSML-I 240		240 mm ²				

Tool for chamfering primary insulation



20105 TCML-60

The TCML-60 tool is vital to ensure cable safety, efficiency and durability, as well as to comply with electrical safety regulations. Application range: Ø 15 - 60 mm.
Recommended Use: Suitable for all types of primary insulation. Designed for precise chamfered cuts (3 x 45°) on medium voltage (MV) cables.

Secure positioning on the cable with a clamp system.
Equipped with PTFE plates for smooth sliding on the cable, eliminating the need for silicone paste.
Replaceable blade for prolonged use.
Maximum rotation diameter: 200 mm.

Note: Not intended for pencilling.

Included in the Set:

- TCML-60: Tool for chamfered cuts of primary insulation.
- Tool holder briefcase.

Code	Ref.	Cable Ø	Weight	Dimensions (mm)
400027	TCML-60	15-54 mm	0.39 kg	180×95×47

STRIPPING TOOLS FOR MV CABLES



20105 TCA-76

Universal chain cutter
for cable armor of Ø 20-76 mm

Chain cutter, made of steel. For stripping the armor of cables Ø 20-76 mm. Cuts very effectively, with just a quarter turn for a complete cut.

Code	Ref.	Weight	Dimensions (mm)
400005	TCA-76	0.58 kg	250x80x22

KIT 1 MV-SP. Stripping tools
MV cable with strippable semiconductor layer



20105 KIT 1 MV-SP

This kit of tools is designed for stripping medium voltage (MV) cables with a strippable semiconducting layer. Its operation is straightforward and efficient, ensuring proper cable preparation for electrical installation.

The standard kit includes:

- 400006 universal cable stripper for external insulation LV/MV.
- 400013 cable stripper for main layer.
- 400008 cable stripper for strippable semiconductor layer.
- 316000 scissors TS-50.
- 400016 insert CSML 50 mm².
- 400018 insert CSML 95 mm².
- 400020 insert CSML 150 mm².
- 400022 insert CSML 240 mm².
- 400029 grease tube.
- 410115 insulated knife 190 mm.
- 570140 hydroalcoholic towelette.
- High quality case with foam.

The case can accommodate up to eight inserts, with a selectable cross-section ranging from 25 mm² to 240 mm².

Code	Ref.	Weight	Dimensions (mm)
400030	KIT 1 MV-SP	3.5 kg	465x355x145



STRIPPING TOOLS FOR MV CABLES

KIT 2 MV-SN. Stripping tools MV Cable with non-strippable semiconductor layer



20105 KIT 2 MV-SN

This kit of tools is designed for stripping medium voltage (MV) cables with a non-strippable semiconducting layer. Its operation is straightforward and efficient, ensuring proper cable preparation for electrical installation.

The standard kit includes:

- 400006 universal cable stripper for external insulation LV/MV.
- 400010 cable stripper for non-strippable semiconductor layer.
- 400024 cable stripper for main layer Ø 54 mm.
- 570140 hydroalcoholic towelette.
- 400029 grease tube.
- High quality case with foam.

Code	Ref.	Weight	Dimensions (mm)
400031	KIT 2 MV-SN	3.5 kg	465x355x145



KIT 3 MV-A-SP. Stripping tools MV armoured cables with strippable semiconductor layer



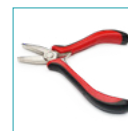
20105 KIT 3 MV-A-SP

This toolkit ensures high-quality work, facilitating the process of preparing cables for subsequent connection and use.

The standard kit includes:

- 400006 universal cable stripper for external BT/MT insulation.
- 400008 wire stripper for peelable semiconducting layer Ø 16-41 mm.
- 400024 wire stripper for main layer Ø 54 mm.
- 400027 tool for chamfering the main layer Ø 15-60 mm.
- 570140 hydroalcoholic wipe.
- 400029 grease tube.
- 400005 universal chain cutter armed cable Ø 20-76 mm.
- High quality suitcase with foam.

Code	Ref.	Weight	Dimensions (mm)
400032	KIT 3 MV-A-SP	4.0 kg	465x355x145



HYDRAULIC HAND-TOOLS



Hydraulic crimping

20201 EC-5

- The buckle-type design offers a blend of lightness and strength for quick installation and disassembly. Its rotating crimping head adapts to different angles effortlessly.
- A dual-speed hydraulic system with a built-in safety valve ensures fast, precise crimping. Automatic pressure release upon reaching preset levels ensures quality, speed, and operator safety.
- An external manual pressure relief valve allows for easy pressure release.
- The hydraulic valve, made from special steel, guarantees durability and longevity.
- Small size allows working in reduced spaces.
- Include tool holder briefcase.



Code	Ref.	Crimping force	Nominal Pressure	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
411000	EC-5	50 kN	60 MPa	380x130x65 mm	530x420x130 mm	2.7 kg	3.0 kg

Crimping range

Copper lugs	10-240 mm ²
Thin-walled Al lugs	16-150 mm ²
Crimpis (CRC, CRS, CRA)	up to 70 mm ²

Available dies



HD5 copper and aluminium cable lugs/butt-connectors and pin terminals by hexagonal compression
Copper: up to 240 mm²
Aluminium: up to 150 mm²



CDC5 copper and aluminium compression clamps by elliptical/circular compression
Up to 70 mm²

HYDRAULIC HAND-TOOLS



Hydraulic crimping

20201 EC-13C

- The C-shaped opening design enables swift crimping, making it easy to handle and position.
- 180° rotary head with quick opening.
- Incorporates audible safety valve that limit the maximum working force to 130 kN.
- Two speeds: one fast to approach and one slow to crimp.
- The handle is designed with self-locking, to ensure that the tool is in a completely un-pressurized state after use, which improves the service life.
- The hydraulic valve is made of special steel, sturdy and durable.
- Include tool holder briefcase.



Code	Ref.	Crimping force	Nominal Pressure	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
411001	EC-13C	130 kN	70 MPa	630x135x71 mm	875x340x130 mm	6.9 kg	3.5 kg

Crimping range

Copper lugs and splices	up to 400 mm ²
Aluminium lugs and splices	up to 300 mm ²
H type, C type clamps and bimetallic lugs (hexagonal crimp only)	up to 240 mm ²

Available dies



HD13 copper and aluminium cable lugs and butt-connectors by hexagonal compression

Copper: up to 400 mm²
Aluminium: up to 300 mm²



CD13 copper and aluminium Compression clamps by circular compression

Copper: Main and tap up to 185 mm²
Aluminium: Main up to 300 mm² and tap up to 70 mm²

HYDRAULIC HAND-TOOLS



Hydraulic crimping

20201 EC-13U

- Universal head for all types of crimping, including deep stepped crimping.
- 180° rotary head with quick opening.
- Incorporates audible safety valve that limits the maximum working force to 130 kN.
- Two speeds: one fast to approach and one slow to crimp.
- Include tool holder briefcase.

The EC-13U tool comes with the "C" adapter for hexagonal crimping.

The rest of the adapters and dies are available separately.

Includes adapter to convert "H" head to "C" head.



Code	Ref.	Crimping force	Nominal Pressure	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
411002	EC-13U	130 kN	70 MPa	587x72x144 mm	875x340x130 mm	5.84 kg	3.5 kg

Crimping range

Copper lugs and splices	up to 400 mm ²	Bimetallic lugs (Stepped deep punching)	up to 240 mm ²
Aluminium lugs and splices	up to 300 mm ²	H type, C type clamps	up to 240 mm ²

Available dies



HD13 copper and aluminium cable lugs and butt-connectors by hexagonal compression

Copper: up to 400 mm²
Aluminium: up to 300 mm²



CD13 copper and aluminium compression clamps by circular compression

Copper: up to 185 mm²
Aluminium: main up to 300 mm² and tap up to 70 mm²



MP-L/PP bimetallic cable lugs by deep punching compression
Up to 240 mm²



MP-S/PP aluminium multi voltage joints by deep punching compression
Up to 240 mm²

Note: choose the adapter according to section, to be used together with the corresponding punch and die.

HYDRAULIC HAND-TOOLS



Hydraulic cutting

Suitable for cutting ACSR cable, copper, aluminum, steel wire, and steel rope up to Ø 45 mm

20201 ET-45

- Latch head with two blades design.
- Two stage pumping action.
- Automatic retraction when the maximum pressure is reached.
- Heated treated special steel for the blades.
- Light and compact structure.
- Cutting head with snap closure and blade guide, rotates 270°.
- Quick feed with double hydraulic cylinder.
- Automatic pressure safety valve.
- Manual return in any position.
- Include tool holder briefcase.



Code	Ref.	Nominal Pressure	Maximum cutting force	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
411004	ET-45	70 MPa	90 kN	646x152x75 mm	875x340x130 mm	6.25 kg	3.5 kg

Cutting range

ACSR, copper and aluminium	With a diameter less than 45 mm ($\leq 1000 \text{ mm}^2$)	Steel strand	150 mm ² Ø 20 mm
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Spare blades



Fixed cutting blade
Weight: 120 g



Moveable cutting blade
Weight: 100 g

ELECTROHYDRAULIC TOOLS



Battery-powered hydraulic crimping tool

20202 EBC-5

- 180 degree swivel head.
- 2-speed hydraulic system.
- Independently designed oil return system can safety retract without electricity.
- The trigger switch and return button are separately and activated by only one hand.
- Built-in chip, with memory function, can stop automatically when crimping is completed, realize intelligent crimping.
- The crimping cycle data is automatically stored on a memory card for transfer to PC via USB cable interface (Bluetooth available separately).
- OLED display provides battery capacity, operational and service crimping cycled, bluetooth information, etc.
- Automatic retraction when the maximum pressure is reached.
- LED lightning for work in dark environments.
- Rubber grip to have low noise and vibration.
- Include tool holder briefcase.



Battery type	Battery changer
18 V 4.0 Ah, Li-ion	ASC 55



Code	Ref.	Nominal Pressure	Maximum crimping force	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
412000	EBC-5	60 MPa	50 kN	325x313x94 mm	670x470x135 mm	4.6 kg (incl. battery)	4.5 kg

Crimping range

Copper lugs	10-240 mm ²
Thin-walled Al lugs	16-150 mm ²
Crimpis (CRC, CRS, CRA)	up to 70 mm ²

Available dies



HD5 copper and aluminium cable lugs/butt-connectors and pin terminals by hexagonal compression
Copper: up to 240 mm²
Aluminium: up to 150 mm²



CDC5 copper and aluminium compression clamps by elliptical/circular compression
Up to 70 mm²



ELECTROHYDRAULIC TOOLS



Battery-powered hydraulic crimping tool

20202 EBC-13C



- C-shaped head that rotates 180 degrees.
- 2-speed hydraulic system.
- Independently designed oil return system can safely react without electricity.
- The trigger switch and return button are separately and activated by only one hand.
- Built-in chip, with memory function, can stop automatically when crimping is completed, realize intelligent crimping.
- Crimping cycle data is automatically stored on a memory card for transfer to PC by USB interface.
- OLED display provides information on battery capacity, crimping cycles, and service cycles.
- Automatic retraction when the maximum pressure is reached.
- LED lightning for work in dark environments.
- Rubber grip to have low noise and minimal vibration.
- Include tool holder briefcase.



Battery type	Battery changer
18 V 4.0 Ah, Li-ion	ASC 55

Code	Ref.	Nominal Pressure	Maximum crimping force	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
412001	EBC-13C	70 MPa	130 kN	385×325×95 mm	670×470×135 mm	7.7 kg (incl. battery)	4.5 kg

Crimping range

Copper terminals and sleeves	up to 400 mm ²
Aluminium terminals and sleeves	up to 300 mm ²

Available dies



HD13 copper and aluminium cable lugs and butt-connectors by hexagonal compression

Copper: up to 400 mm²
Aluminium: up to 300 mm²
Bimetallic: up to 240 mm²



CD13 copper and aluminium compression clamps by circular compression

Copper: main up to 185 mm² and tap up to 185 mm²
Aluminium: main up to 300 mm² and tap up to 70 mm²

ELECTROHYDRAULIC TOOLS



Battery operated insulated hydraulic crimping tool 22 kV

20202 EBC-13LW



- Ideal for operations in proximity to power sources, including substations, medium voltage lines, catenary systems, and other similar environments.
- The C-type head allows for crimping at various angles, adapting to diverse crimping needs.
- Equipped with both automatic and mechanical oil return systems (oil return without electricity), ensuring the safety of the equipment during power failures without affecting subsequent use.
- Enables data transmission between the tool and a host computer via Bluetooth or USB data cable connection.
- OLED screen, combined with touch buttons, provides real-time display of various tool states, enhancing operational intelligence.
- The housing contains rubber in its composition to minimize noise and vibrations.
- High-intensity LED lamp beads cover the entire crimping area, ensuring visibility for night work.
- Include tool holder briefcase.



Battery type	Battery charger
18 V 4.0 Ah, Li-ion	ASC 55

Code	Ref.	Nominal Pressure	Maximum crimping force	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
412002	EBC-13LW	70 MPa	130 kN	390x325x94 mm	670x470x135 mm	7.8 kg (incl. battery)	4.5 kg

Crimping range

Copper cable terminals and splicing sleeves	400 mm ²
Aluminium cable terminals and splicing sleeves	300 mm ²

Available dies



HD13 copper and aluminium cable lugs and butt-connectors by hexagonal compression

Copper: up to 400 mm²
Aluminium: up to 300 mm²
Bimetallic: up to 240 mm²



CD13 copper and aluminium compression clamps by circular compression

Copper: main up to 185 mm² and tap up to 185 mm²
Aluminium: main up to 300 mm² and tap up to 70 mm²



ELECTROHYDRAULIC TOOLS



New generation battery operated hydraulic crimping tool

20202 EBC-13U

- Universal crimping head for all types of crimping, including deep staggered punch crimping.
- 180 degree swivel head.
- 2-speed hydraulic system.
- Independently designed oil return system can safely retract without electricity.
- The trigger switch and return button are separately and activated by only one hand.
- Built-in chip, with memory function, can stop automatically when crimping is completed, realize intelligent crimping.
- Crimping cycle data is automatically stored on a memory card for transfer to PC by USB interface or bluetooth.
- OLED display provides battery capacity, operational and service crimping cycled, bluetooth information, etc.
- Automatic retraction when the maximum pressure is reached.
- LED lightning for work in dark environments.
- Rubber grip to have low noise and minimal vibration.
- Include tool holder briefcase.



Battery type	Battery changer
18 V 4.0 Ah, Li-ion	ASC 55



Includes AD-13U/13C adapter to convert "H" head to "C" head.

Code	Ref.	Nominal Pressure	Maximum crimping force	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
412003	EBC-13U	70 MPa	130 kN	363x334x95 mm	670x470x135 mm	6.7 kg (incl. battery)	4.5 kg

Crimping range

Copper lugs and splices	400 mm ²	Bimetallic lugs (Stepped deep punching)	240 mm ²
Aluminium lugs and splices	300 mm ²	H type, C type clamps	240 mm ²

Available dies



HD13 copper and aluminium cable lugs and butt-connectors by hexagonal compression
 Copper: up to 400 mm²
 Aluminium: up to 300 mm²
 Bimetallic: up to 240 mm²



CD13 copper and aluminium compression clamps by circular compression
 Copper: Up to 185 mm²
 Aluminium: Main up to 300 mm² and tap up to 70 mm²



MP-L/PP bimetallic cable lugs by deep punching compression
 Up to 240 mm²



MP-S/PP aluminium multi voltage joints by deep punching compression
 Up to 240 mm²

Note: choose the adapter according to section, to be used together with the corresponding punch and die.

ELECTROHYDRAULIC TOOLS



Battery-powered hydraulic cutting tool

20202 EBT-45



- The head is adjustable to facilitate cutting at various angles. The independently designed oil return system ensures safe retraction without reliance on electricity.
- A two-speed hydraulic system guarantees swift and high-quality cutting.
- Post-cutting, the section surface remains perfect without loose strands.
- Equipped with a built-in high-pressure safety valve, which automatically releases pressure when it reaches maximum levels, safeguarding both tools and operators.
- LED lighting enhances convenience and safety during cutting operations.
- Extra comfortable handling.
- Rubber grip to have low noise and minimal vibration.
- Include tool holder briefcase.



Battery type	Battery charger
18 V 4.0 Ah, Li-ion	ASC 55

Code	Ref.	Nominal Pressure	Maximum cutting force	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
412030	EBT-45	70 MPa	130 kN	460x325x95 mm	670x470x135 mm	8 kg (incl. battery)	4.5 kg

Cutting range

ACSR, copper and aluminium	With a diameter less than 45 mm ($\leq 1000\text{mm}^2$)
Steel strand	150 mm ² Ø 20 mm

Spare blades

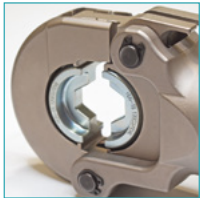


Fixed cutting blade
Weight: 120 g



Moveable cutting blade
Weight: 100 g

MINI BATTERY POWERED CRIMPING TOOLS



Battery-powered hydraulic crimping tool, mini series

20202 EBC-6M

- Suitable for crimping operations in confined spaces, such as electrical cabinets, narrow boxes, and similar environments.
- Very lightweight and easy to handle, this tool ensures maximum efficiency and comfort.
- Flip top style for easy access to the fittings.
- Head rotates 360-degree.
- Automatic pressure relief.
- External LED display, easy to read and record usage information.
- High performance, high capacity 18 V lithium battery with power display, equipped with fast charger.
- Two LED working lights help work easier in dark area.
- PP plastic housing and carrying case, sturdy and durable.
- Include tool holder briefcase.



Battery type	Battery changer
18 V 4.0 Ah, Li-ion	ASC 55

Code	Ref.	Nominal Pressure	Maximum crimping force	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
412004	EBC-6M	55 MPa	62 kN	415x125x90 mm	530x420x130 mm	2.99 kg (incl. battery)	4.5 kg

Crimping range

Copper tubular terminals and sleeves	up to 300 mm²
Aluminum tubular terminals and sleeves	up to 185 mm²



MINI BATTERY POWERED CRIMPING TOOL



Battery-powered hydraulic crimping tool, mini series, without dies

20202 EBC-6SM

- No need to change dies; Crimping is carried out with the self-adjusting punch, which automatically adapts to the section of the cable used.
- Suitable for pressing operations in narrow spaces.
- Lightweight, fast pressing speed, easy to operate. All data can be easily read through the smart display. Connection to the computer via USB for convenient management of various parameters.
- The closed head is fully rotatable.
- High-performance, high-capacity 18 V lithium battery with power display, equipped with Metabo brand fast charger.
- Two LED work lights help you work easier in dark areas.
- PP plastic shell, durable.
- Includes tool case.



Battery type	Battery charger
18 V 4.0 Ah, Li-ion	ASC 55

Code	Ref.	Nominal Pressure	Maximum crimping force	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
412007	EBC-6SM	55 MPa	60 kN	418x121x90 mm	530x420x130 mm	2.8 kg	4.5 kg

Crimping range

Copper terminal	10-300 mm ²
Aluminum terminal	16-240 mm ²

BATTERY WIRE RATCHET CUTTER



Battery wire
ratchet cutter

20202 EBT-54

- It cuts the cable in seconds, without any effort, which optimizes time and significantly reduces the operator's working hours.
- Ensures a precise and clean cut that preserves the internal conductors, ensuring the integrity and functionality of the cable.
- Designed for class 1, 2 and 5 copper and aluminum cables; armored cable and ACSR cable.
- The blade, made of forged steel alloy and with a Specialized heat treatment, withstands prolonged and demanding use.
- With a rational, lightweight and portable design, it offers efficient functionality and effortless operation.
- Includes one Makita battery of 5.0 Ah and a fast charger of the same brand.
- Includes tool case.



Battery type	Charger power supply
DC 18 V 5.0 Ah 54 Wh Lithion-ion	AC 220 V 50-60 Hz

Code	Ref.	Nominal Pressure	Maximum cutting force	Tool dimensions	Briefcase dimensions	Tool weight	Briefcase weight
412006	EBT-54	54 MPa	62 kN	340x190x110 mm	450x400x150 mm	2.6 kg	1.8 kg

Cutting range

Copper cables, aluminum cables, armored cables, and ACSR cables	Up to 54 mm, $\leq 560 \text{ mm}^2$
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HYDRAULIC HEADS AND PUMPS



Hydraulic head 13T

20203 CH-13C

- Hydraulic C type head with quick connection to a hydraulic drive with a maximum pressure of 700 bar.
- Made of specially treated sealed steel.
- Interchangeable dies.
- Include tool holder briefcase.

Available dies

HD13 Copper and aluminium cable lugs and butt-connectors by hexagonal compression

Up to 400 mm² copper
Up to 300 mm² aluminium
Up to 240 mm² bimetallic

CD13 Copper and aluminium

Compression clamps by circular compression

Copper: Main up to 185 mm² and tap up to 185 mm²
Aluminium: Main up to 300 mm² and tap up to 70 mm²



Code	Ref.	Crimping force	Rated pressure	Pump dimensions	Briefcase dimensions	Pump weight	Briefcase weight
413001	CH-13C	130 kN	700 bar	289x119x72 mm	450x370x120 mm	5.5 kg	2.5 kg



Hydraulic head 13T

20203 CH-13U

- Universal crimping head for all types of crimping, including deep stepped crimping.
- Made of specially treated steel.
- Flip-top head: Simplifies the positioning and insertion of the dies.
- Quick connection with lock.
- Comes with adapter for hexagonal crimping.
- Include tool holder briefcase.

Available dies



HD13 Copper and aluminium cable lugs and butt-connectors by hexagonal compression

Up to 400 mm² copper, up to 300 mm² aluminium
Up to 240 mm² aluminium



CD13 Copper and aluminium

Compression clamps by circular compression

Copper: Up to 185 mm²
Aluminium: Main up to 300 mm² and tap up to 70 mm²



MP-L/PP Bimetallic cable lugs by deep punching compression

Up to 240 mm²

MP-S/PP Aluminium multi voltage joints by deep punching compression

Up to 240 mm²

Code	Ref.	Crimping force	Rated pressure	Pump dimensions	Briefcase dimensions	Pump weight	Briefcase weight
413000	CH-13U	130 kN	700 bar	248x93x76 mm	450x370x120 mm	3.5 kg	2.5 kg

HYDRAULIC HEADS AND PUMPS



Universal hydraulic head 20T

20203 CH-20P

- This 20-ton universal hydraulic head is designed for all types of crimping applications, including hexagonal, deep indent, and circular crimping.
- It accommodates all sections up to 630 mm² with the use of different adapters, ensuring versatile compatibility.
- Despite its powerful capabilities, the head is lightweight, easy to handle, and of exceptional quality.
- It comes with a convenient carrying case for easy transport and storage.



Available dies

Hexagonal compression on copper or aluminum conductors, under various regulations or specifications from 10 mm² to 630 mm².

Circular compression in copper and aluminum clamps, like CRC, CRA and CRS, all ranges. Placed in round, to obtain a compact round shape.

Deep stepped punching, in bimetallic terminals and sleeves up to 630 mm².

Code	Ref.	Crimping force	Rated pressure	Pump dimensions	Briefcase dimensions	Pump weight	Briefcase weight
413003	CH-20P	200 kN	700 bar	305x116x95 mm	450x370x120 mm	6 kg	2.5 kg



Hydraulic head 25T

20203 CH-25

- U-type crimping head, sturdy and durable.
- Pin-type for easy access to the fitting.
- Quick coupler for easy disassembly.
- Powered by a single-acting hydraulic pump.
- Light weight, suitable for overhead line work.
- Includes tool case.



Available dies



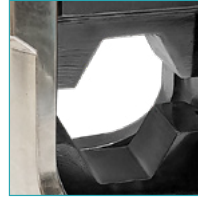
HD25 Hexagonal dies
Up to 630 mm² Cu.

Adapter for transitioning to small sections 13T



Code	Ref.	Crimping force	Rated pressure	Pump dimensions	Pump weight
413002	CH-25	250 kN	700 bar	360x130x130 mm	5 kg

HYDRAULIC HEADS AND PUMPS



Hydraulic head 45T

20203 CH-45

- U-type crimping head, sturdy and durable.
- Pin-type crimping head for easy access to the fitting.
- Quick coupler for easy disassembly.
- Powered by single acting hydraulic.
- Flat base, keep vertical level.
- Includes tool case.

Available dies



HD45 Hexagonal dies
Up to 800 mm² Cu.

Code	Ref.	Crimping force	Rated pressure	Pump dimensions	Pump weight
413004	CH-45	450 kN	700 bar	265x140x115 mm	11 kg

* Available upon request



Hydraulic head 60T

20203 CH-60

- Ideal for ACSR overhead lines, splice sleeves, and clamps for power transmission lines from 110 kV to 220 kV.
- The head features a fixed upper die seat that can be quickly rotated and opened, facilitating crimping operations on mid-span and end fittings.
- Equipped with a quick coupler for easy disassembly.
- Operates on a single-acting hydraulic system.
- Includes a steel carrying case.

Available dies



HD60 Hexagonal dies
Cu/Al up to Ø 60 mm
Stell up to Ø 26 mm

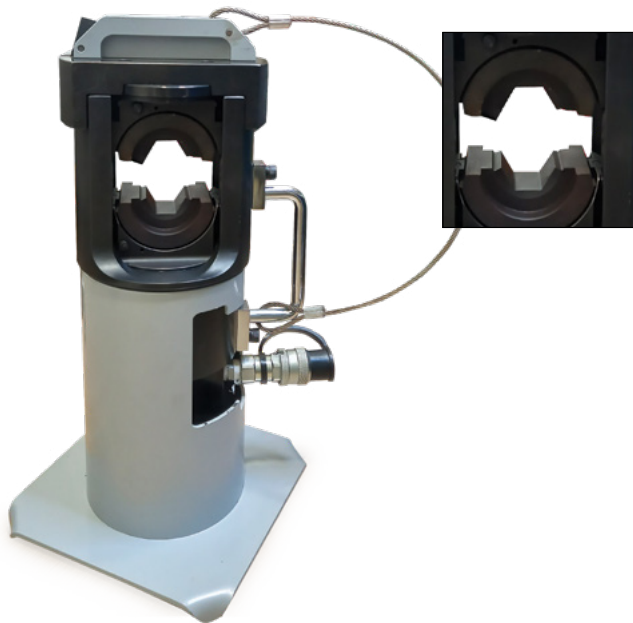
Crimping range

Copper and aluminium terminals	Ø 60 mm
Steel terminals	Ø 26 mm

Code	Ref.	Crimping force	Rated pressure	Pump dimensions	Briefcase dimensions	Pump weight	Briefcase weight
413005	CH-60	600 kN	700 bar	270x160x320 mm	295x220x350 mm	25 kg	4 kg

* Available upon request

HYDRAULIC HEADS AND PUMPS



Hydraulic head 60T

20203 CH-60A

- Ideal for ACSR overhead lines, splicing sleeves, and strain clamps for 110 kV to 220 kV power transmission lines.
- The head features a fixed upper die seat that can be rotated and quickly opened, facilitating mid-span and end crimping operations.
- Equipped with a quick coupler for easy and swift disassembly.
- Operated by a single-acting hydraulic system.
- Include steel case.

Available dies



HD60 Hexagonal dies

Cu/Al up to Ø 60 mm
Stell up to Ø 26 mm

Crimping range

Copper and aluminium terminals					Ø 60 mm		
Steel terminals					Ø 26 mm		
Code	Ref.	Crimping force	Rated pressure	Pump dimensions	Briefcase dimensions	Pump weight	Briefcase weight
413008	CH-60A	600 kN	700 bar	240x220x450 mm	490x240x300 mm	20 kg	4 kg

* Available upon request



Hydraulic head 100T

20203 CH-100

- Double acting hydraulic head, reducing piston reset time.
- Quick connector for easy disassembly.
- Ideal for ACSR overhead lines, tensile clamps for 110 kV and 200 kV underground cable sleeves.
- Includes steel case.

Available dies

HD100

Cu/Al up to Ø 76 mm
Stell up to Ø 36 mm

Crimping range

Copper and aluminium terminals					Ø 76 mm		
Steel terminals					Ø 36 mm		
Code	Ref.	Crimping force	Rated pressure	Pump dimensions	Pump weight		
413006	CH-100	1000 kN	700 bar	280x180x365 mm	31 kg		

* Available upon request

HYDRAULIC HEADS AND PUMPS



Battery-operated hydraulic tool

20202 EB-7

The EB-7 is a hydraulic pump designed for crimping terminals and sleeves, standing out for its superior handling and time savings. This tool provides efficiency and ease of use for all crimping needs. Ideal for 13T heads. Head not included.



Code	Ref.	Rated pressure	Pump dimensions	Briefcase dimensions	Pump weight	Briefcase weight
412015	EB-7	700 bar	240x334x95 mm (hose not included)	670x470x135 mm	4.4 kg	4.5 kg



20204 BH-700

Hydraulic pedal pump designed to operate hydraulic heads for both cutting and crimping.

- Includes a 3-meter high-pressure flexible hose with automatic lock.
- Automatic double-acting device.
- Operates with hydraulic heads at 700 bar pressure.
- Robust and aesthetic design.
- Includes a tool holder briefcase for easy transport and storage.



20204 BH-700M

- Same configuration as BH-700.
- Includes a pressure gauge.
- Robust and aesthetic design.
- Includes a tool holder briefcase for easy transport and storage.



Code	Ref.	Rated pressure	Pump dimensions	Briefcase dimensions	Pump weight	Briefcase weight
415000	BH-700	700 bar	560x180x205 mm (hose not included)	705x200x215 mm	8.8 kg	5 kg
415001	BH-700M					

HYDRAULIC HEADS AND PUMPS

Portable hydraulic pump
operated by battery



20204 BHM-7

Portable next-generation electro-hydraulic pump, powered by a 24 V 5.0 Ah Li-Ion battery for extended operation.

A full charge allows approximately 150 crimps of 120 mm² copper terminals.

Technical features:

- 1h fast charging
- Remaining battery power displayed after each crimp.
- Pressure release button to release pressure at any time.
- Automatic shut-off and pressure retention when reaching the maximum level.
- For heads up to 100T.

Including:

- 24 V 5.0 Ah Battery
- Charger
- Wired controller
- 2 m hose with quick couplers
- Carrying backpack

Code	Ref.	Rated pressure	Voltage	Li-ion battery protection	Dimensions	Weight
415004	BHM-7	70 MPa / 700 bar	24 V	24 V / 5.0 Ah	391x335x162 mm	9.2 kg

* Available upon request



20204 BHM-7A

Enhanced Intelligent Functions:

- It includes an advanced crimping management system, configurable to monitor, transmit data, and track the work process in detail.
- An integrated pressure sensor monitors the process in real time, ensuring accuracy and efficiency.
- Data storage capacity supports up to 200,000 crimping records.
- The wireless remote control module allows operation at long distances, up to 50 meters without obstacles, providing flexibility and convenience.
- The integrated GPS positioning module offers real-time location tracking and information transmission via a 4G network, enhancing management and security.
- The temperature detection and alarm system monitors on the LCD panel and alerts the user with a specific pattern in case of failure, ensuring operational safety.

Including:

- 24 V, 5.0 Ah Battery
- Charger
- Wired controller
- 2 m hose with quick couplers
- Carrying backpack
- Remote controller



Carrying backpack for the BHM-7 and BHM-7A pumps

Code	Ref.	Rated pressure	Voltage	Li-ion battery protection	Dimensions	Weight
415002	BHM-7A	70 MPa / 700 bar	24 V	24 V / 5.0 Ah	391x335x162 mm	9.2 kg

* Available upon request

HYDRAULIC HEADS AND PUMPS

Remote cutting unit



20203 KH-120LV

The KH-120LV Insulated Kit is suitable for cutting low, medium, and high voltage cables that may be accidentally energized (up to 220 kV), in order to prevent accidents during repair and maintenance work. It is equipped with a 10-meter long high-capacity dielectric flexible hose. The 24 V / 5.0 Ah lithium battery ensures extended operating time.

Including:

- Insulated hydraulic pump
- Hydraulic cutting head
- Insulated hose of 10 meters
- Tool bag
- Remote controller

Safety

An integrated safety valve automatically releases pressure when it reaches the maximum level, protecting both tools and operators.

Features:

- Automatic shutdown after cutting.
 - Cutting operation reminder.
 - Pump body includes an oil return button for manual control without electricity.
- The hydraulic oil used is insulating hydraulic oil.

Code	Ref.	Cutting range	Rated pressure	Reservoir capacity	Oil circuit	Flow rate	Dielectric strenght	Oil hose lenght
430000	KH-120LV	Ø 120 mm	70 MPa / 700 bar	1.0 L	Single action	0,6 L / min	220 kV	10 m

Dimension of pump	Power supply	Control mode	Carrying method
390x163x323 mm	24 V 5,0 Ah	The remote control range reaches 50 meters without obstacles.	a. One handed b. On the shoulder c. Backpack

* Available upon request

Cutting head with insulated hose of 10 meters

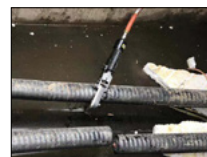
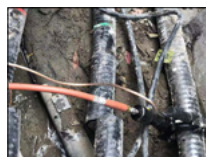


20203 CT-120M

The CT-120M head is suitable for cutting live cables (up to 220 kV) to prevent accidents during repair and maintenance work. It is equipped with a 10-meter long high-capacity dielectric flexible hose.

Including:

- Hydraulic cutting head
- Special insulating hose
- Tool bag



Code	Ref.	Cutting range	Operating voltage	Insulation hose length	Cutting head size	Weight
430001	CT-120M	Ø 120 mm	220 kV	10 m	556x185 mm	9.6 kg

* Available upon request

HYDRAULIC HEADS AND PUMPS

Double-acting Electrohydraulic pump



20204 BGD-8

Equipped with a pressure gauge to monitor working pressure at all times.
Automatically switches between high and low pressure as per job requirements to enhance efficiency.
Compatible with a wide range of hydraulic heads.

Including:

- Multifunctional operation handle
- 2 m hose with quick couplers

Bluetooth transmission

4G module transmit data through the network

Code	Ref.	Rated pressure	High pressure flow	Low pressure flow	Reservoir capacity	Dimension of Hydraulic pump	Hydraulic pump Weight
415003	BGD-8	80 MPa	1.2 L/min.	5-8 L/min.	≥2.3 L	582x372x395 mm	44 kg

* Available upon request

Accessories



20205 Insulated hoses

Insulated hoses are used to connect hydraulic cutting or crimping heads to the hydraulic pump, ensuring safe distances and keeping the operator out of harm's way. These hoses provide essential protection and reliability for various hydraulic applications.

Code	Ref.	Length
413050	Insulated hoses	5 m
413100	Insulated hoses	10 m
413150	Insulated hoses	15 m

* Available upon request



30901 Earthing lead

Earthing lead featuring a lathe at one end and a reinforced terminal at the other. Specifically designed for grounding the cutting or crimping head, this essential component ensures a secure connection. Is connected to an earthing rod. With copper cable 25 mm² and 6 meters long.

Code	Ref.	Section	Length
667060	P-TR12-02506	25 mm ²	6 m

ACCESSORIES

30911 Hexagonal grounding rod



The ER-1Z hexagonal earthing rod is designed to be easily driven into the ground, with a pointed end that facilitates effortless insertion. Made of galvanized F-111 material, it ensures durability and reliable grounding performance.

Code	Ref.	Length
667150	ER-1Z	1 m

30911 Suitcase with wheels

Ideal for transporting hydraulic kits or earthing and short-circuiting devices. It ensures easy and convenient mobility, providing a reliable solution for safely moving equipment to various job sites..

Code	Ref.	Dimensions
620061	SOFABOX	855x577x400 mm



Folding steel leg

Allow horizontal storage of the suitcase.



Folding handles

The suitcase has handles on the top, bottom, and one side to make transport easy at all times.



Robust wheels

The robust design of the wheels allows comfortable movement even on difficult-to-access terrain.



INSULATED TOOL KITS



30701 BEC Compact tool bag

• Content:

Code	Description:
410005	Insulated universal plier 180 mm
410046	Insulated flathead screwdriver 3 x 100 mm
410047	Insulated flathead screwdriver 4 x 100 mm
410051	Insulated "Phillips" screwdriver 1 x 80 mm
316000	TS-50 Scissors

Insulated tools 1000 V
(according to EN 60900, IEC 900 VDE 0682-201)

Code	Version	Dimensions
600171	BEC-5 tool bag with equipment	180 x 270 x 50 mm
600170	BEC-V tool bag without equipment	



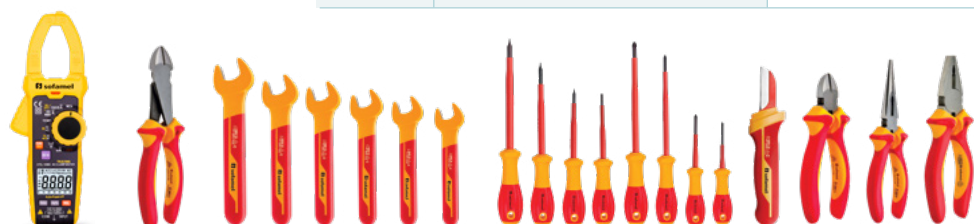
30121 KBT-1000/19

• Content:

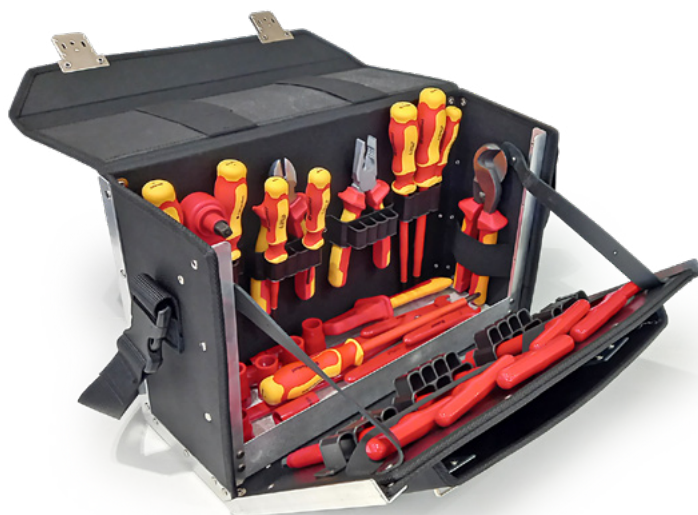
Code	Description:
410005	Insulated universal plier 180 mm
410015	Insulated needle nose plier 200 mm
410025	Insulated wire-cutting plier 180 mm
410115	Insulated knife 180 mm
410046	Insulated flathead screwdriver 3 x 100 mm
410047	Insulated flathead screwdriver 4 x 100 mm
410048	Insulated flathead screwdriver 5.5 x 125 mm
410050	Insulated "Phillips" screwdriver 0 x 60 mm
410051	Insulated "Phillips" screwdriver 1 x 80 mm
410052	Insulated "Phillips" screwdriver 2 x 175 mm
410096	Insulated open-ended spanner 10 mm
410203	Insulated open-ended spanner 12 mm
410097	Insulated open-ended spanner 13 mm
410098	Insulated open-ended spanner 14 mm
410100	Insulated open-ended spanner 17 mm
410101	Insulated open-ended spanner 19 mm
410105	Insulated wire-cutting plier 230 mm
635360	Multimeter CTL-1000
600162	Protective case with pouches for organising tools OHB-350

1000 V insulated tools and voltage meters
(according to EN 60900, IEC 900 VDE 0682-201)

Code	Version	Dimensions
410200	KBT-1000/19	200 x 350 x 50 mm
600162	OHB-350 Briefcase without tools	



INSULATED TOOL KITS



Code	Version	Dimensions
410220	KT-1000/37	300 x 430 x 200 mm
600161	MAF-430 case without tools	

30121 KT-1000/37

• Content:

Code Description:

- 410005 Insulated universal plier 180 mm
- 410015 Insulated needle nose plier 200 mm
- 410025 Insulated wire-cutting plier 180 mm
- 410115 Insulated knife 190 mm
- 410046 Insulated flathead screwdriver 3 x 100 mm
- 410047 Insulated flathead screwdriver 4 x 100 mm
- 410048 Insulated flathead screwdriver 5.5 x 125 mm
- 410049 Insulated flathead screwdriver 8 x 175 mm
- 410050 Insulated "Phillips" screwdriver 0 x 60 mm
- 410051 Insulated "Phillips" screwdriver 1 x 80 mm
- 410052 Insulated "Phillips" screwdriver 2 x 100 mm
- 410053 Insulated "Phillips" screwdriver 3 x 150 mm
- 410056 Insulated 4 mm hex key
- 410057 Insulated 5 mm hex key
- 410058 Insulated 6 mm hex key
- 410059 Insulated 8 mm hex key
- 410060 Insulated 9 mm hex key
- 410061 Insulated 10 mm hex key
- 410065 Ratchet wrench 3/8"
- 410075 Insulated long extension 3/8" 300 mm
- 410086 Insulated 8 mm socket spanner 3/8"
- 410088 Insulated 10 mm socket spanner 3/8"
- 410083 Insulated 11 mm socket spanner 3/8"
- 410001 Insulated 12 mm socket spanner 3/8"
- 410089 Insulated 13 mm socket spanner 3/8"
- 410090 Insulated 14 mm socket spanner 3/8"
- 410093 Insulated 19 mm socket spanner 3/8"
- 410094 Insulated 17 mm socket spanner 3/8"
- 410096 Insulated open-ended spanner 10 mm
- 410203 Insulated open-ended spanner 12 mm
- 410097 Insulated open-ended spanner 13 mm
- 410098 Insulated open-ended spanner 14 mm
- 410100 Insulated open-ended spanner 17 mm
- 410101 Insulated open-ended spanner 19 mm
- 410105 Insulated wire-cutting plier 230 mm
- 600161 Small front-opening tool case MAF-430

1000 V insulated tools

(according to EN 60900, IEC 900 VDE 0682-201)



INSULATED TOOL KITS

30121 KTS-1000/56

Code	Version	Dimensions
410210	KTS-1000/56	280 x 430 x 250 mm
600160	BKE-1680D M bag without tools	



• Content:

Code Description:

410005	Insulated universal plier 180 mm	410094	Insulated 17 mm socket spanner 3/8"
410015	Insulated needle nose plier 200 mm	410201	Insulated open-ended spanner 8 mm
410025	Insulated wire-cutting plier 180 mm	410096	Insulated open-ended spanner 10 mm
410035	Insulated knife 180 mm	410202	Insulated open-ended spanner 11 mm
410046	Insulated flathead screwdriver 3 x 100 mm	410203	Insulated open-ended spanner 12 mm
410047	Insulated flathead screwdriver 4 x 100 mm	410097	Insulated open-ended spanner 13 mm
410048	Insulated flathead screwdriver 5.5 x 125 mm	410098	Insulated open-ended spanner 14 mm
410049	Insulated flathead screwdriver 8 x 175 mm	410100	Insulated open-ended spanner 17 mm
410051	Insulated "Phillips" screwdriver 1 x 80 mm	410101	Insulated open-ended spanner 19 mm
410052	Insulated "Phillips" screwdriver 2 x 100 mm	565099	White helmet SP-181
410053	Insulated "Phillips" screwdriver 3 x 150 mm	570120	Face shield SP-182
410105	Insulated wire-cutting plier 230 mm	600151	Holdall bag BA-0.6 x 10
410072	Insulated 3 mm Allen key	585001	Insulating blanket class 0 MA0-1010 1x1 m
410073	Insulated 4 mm Allen key	595114	6 Insulated clamps for blankets 50 mm 1 kV AC / 1.5 kV DC
410074	Insulated 6 mm Allen key	595200	5 Insulating cable caps class 0 6-16 mm ²
410081	Insulated adjustable spanner 250 mm	530160	Dielectric glove SG-50 T10
410082	Insulated pliers wrench 250 mm	540114	Leather over glove SG-C
410065	Ratchet wrench 3/8"	635360	Multimeter CTL-1000
410075	Insulated long extension 3/8" 300 mm	595010	Black insulating tape 10 m 0.15 mm PVC
410086	Insulated 8 mm socket spanner 3/8"	595030	Yellow/green insulating tape 20 m 0.15 mm PVC
410088	Insulated 10 mm socket spanner 3/8"	595040	Blue insulating tape 10 m 0.15 mm PVC
410001	Insulated 12 mm socket spanner 3/8"	595060	Grey insulating tape 10 m 0.15 mm PVC
410089	Insulated 13 mm socket spanner 3/8"	595070	Brown insulating tape 10 m 0.15 mm PVC
410090	Insulated 14 mm socket spanner 3/8"	595080	Red insulating tape 10 m 0.15 mm PVC
410093	Insulated 19 mm socket spanner 3/8"	600160	Bag for insulated tools and electrical kits BKE-1680D M

1000 V insulated tools

(according to EN 60900, IEC 900 VDE 0682-201)



SCREWDRIVERS



1000V / 22
IEC 60900

30102 PH Insulated "Phillips" screwdriver

Code	Ref.	 mm	 mm
410050	PH0x60	0	60
410051	PH1x80	1	80
410052	PH2x100	2	100
410053	PH3x150	3	150



1000V / 22
IEC 60900

30104 PL Insulated flathead screwdriver

Code	Ref.	 mm	 mm	 mm
410041	PL2.5x75	2,5	0,4	75
410046	PL3x100	3	0,5	100
410042	PL3.5x100	3,5	0,6	100
410047	PL4x100	4	0,8	100
410048	PL5.5x125	5,5	1	125
410043	PL6.5x150	6,5	1,2	150
410049	PL8x175	8	1,2	175



1000V / 22
IEC 60900

30103 POZ Insulated "Pozidriv" screwdriver

Code	Ref.	 mm	 mm
410110	POZ-0X60	0	60
410111	POZ-1X75	1	75
410112	POZ-2X100	2	100
410113	POZ-3X150	3	150



1000V / 22
IEC 60900

30107 TX Insulated "TORX" screwdriver

Code	Ref.	 mm	 mm
410130	TX-10X80	10	60
410131	TX-15X80	15	75
410132	TX-20X100	20	75
410133	TX-25X100	25	75
410134	TX-30X110	30	100

SCREWDRIVERS



1000V / 22
IEC 60900

30111 Screwdriver set Insulated flathead and "Phillips" screwdrivers

• Content:

Flathead Screwdrivers:

- 410046 Insulated flathead screwdriver PL3x100 mm
- 410047 Insulated flathead screwdriver PL4x100 mm
- 410048 Insulated flathead screwdriver PL5.5x125 mm
- 410049 Insulated flathead screwdriver PL8x175 mm

"Phillips" Screwdrivers:

- 410050 Insulated "Phillips" screwdriver PH0x3x60 mm
- 410051 Insulated "Phillips" screwdriver PH1x4.5x80 mm
- 410052 Insulated "Phillips" screwdriver PH2x6x175 mm
- 410053 Insulated "Phillips" screwdriver PH3x8x200 mm

Code	Ref.
410045	Set of insulated flathead and "Phillips" screwdrivers

Pliers



1000V / 22
IEC 60900

30110 PFC-200 Insulated bent needle nose plier - 200 mm

Code	Ref.	Length
410021	Plier PFC-200	200 mm

- For gripping, bending, cutting, and manipulating wires or cables in confined or hard-to-reach spaces.
- Its curved tip design allows for access to difficult angles and provides greater precision when working with small or delicate components.



1000V / 22
IEC 60900

30110 AU Insulated universal plier

Code	Ref.	Length
410005	Plier AU-180	180 mm
410010	Plier AU-200	200 mm

- With gripping zones for flat and round materials, very versatile.
- For cutting soft and hard wire.
- Head with extra flat shape and laterally rounded.
- Made of tempered steel and chrome finish.

PLIERS



1000V / 22
IEC 60900

30110 AC-160

Insulated wire-cutting plier - 160 mm

Code	Ref.	Capacity	Length
410026	Plier AC-160	Ø 1.6 mm	160 mm

- To cut cable, nails, metal mesh and plates.
- Suitable for cutting copper and aluminum cables.
- Its compact design allows for use in tight spaces.



1000V / 22
IEC 60900

30110 AC-200

Insulated wire-cutting plier - 200 mm

Code	Ref.	Capacity	Length
410025	Plier AC-200	Ø 1.6 mm	200 mm

- To cut cable, nails, metal mesh and plates.
- Suitable for cutting copper and aluminum cables.
- Its compact design allows for use in tight spaces.



1000V / 22
IEC 60900

30110 PF

Insulated needle nose plier - 200 mm

Code	Ref.	Length
410015	Plier PF-200	200 mm

- Stretched gripping surface.
- For holding cables, thin parts or small components size.
- To access narrow places that are difficult to access.



1000V / 22
IEC 60900

30110 AC-230

Insulated wire-cutting plier - 230 mm

Code	Ref.	Length
410105	Plier AC-230	230 mm

- Suitable for cutting copper and aluminum cables.
- Ergonomic bi-material handles for a comfortable grip.
- It allows repetitive operations to be carried out, without causing fatigue.

Adjustable spanner



1000V / 22
IEC 60900

30117 LAJ

Adjustable spanner - 250 mm

Code	Ref.	Length
410081	LAJ-250	250 mm

- Excellent performance and long service life.
- It has a manual adjustment screw for a fast and precise adjustment of the width of the mouth.
- For fixing elements of all sizes, thanks to its mobile jaw.

PLIERS WRENCH



1000V / 22
IEC 60900

30110 APL Pliers wrench - 250 mm

Code	Ref.	Length
410082	APL-250	250 mm

- Large opening capacity, to hold rods/tubes.
- Easy access to nuts and connections.
- High resistance to torsion and bending.

Knives



1000V / 22
IEC 60900

30113 CA-180 Insulated flat-blade knife - 180 mm

Code	Ref.	Length
410035	Knife CA-180	180 mm

- Blade specially adapted to cut the outer sheath of cables without damaging the inner conductors.
- With hook blade.
- Double edged blade.
- Comfortable dual component handle.



1000V / 22
IEC 60900

30113 CA-190 Insulated knife - 190 mm

Code	Ref.	Length
410115	Knife CA-190	190 mm

- Suitable for cutting cables of various sizes and types without damaging the internal wires.
- Ideal for use in electrical panels and other installations where active circuits are handled.
- The handle is ergonomically designed for a comfortable grip, reducing fatigue during prolonged use.
- The knife blade is durable and sharp, allowing for precise and long-lasting cuts. It is partially coated and the handle is insulated, which prevents the risk of accidental short circuits and enhances safety while working with electrical components.

SPANNERS



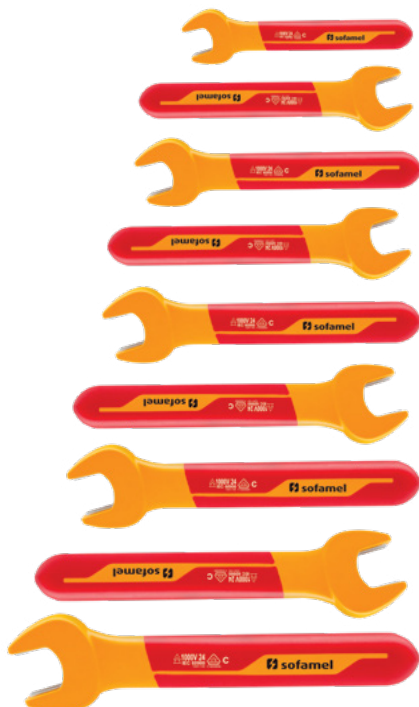
1000V / 22
IEC 60900

30117 LF

Insulated open-ended spanner

Code	Ref.	 Spanner	Length
410201	Spanner LF-8	8	80 mm
410096	Spanner LF-10	10	100 mm
410202	Spanner LF-11	11	110 mm
410203	Spanner LF-12	12	120 mm
410097	Spanner LF-13	13	130 mm
410098	Spanner LF-14	14	140 mm
410099	Spanner LF-16	16	160 mm
410100	Spanner LF-17	17	170 mm
410101	Spanner LF-19	19	190 mm

- The LF insulated open-end wrenches are essential tools for professionals working in the electrical sector, offering safety and efficiency in various applications related to the installation and maintenance of electrical systems.
- Angled head to facilitate tightening.
- Material: hardened steel.
- Insulation material: PP/TPR.



1000V / 22
IEC 60900

30117 Set of insulated open-ended spanners

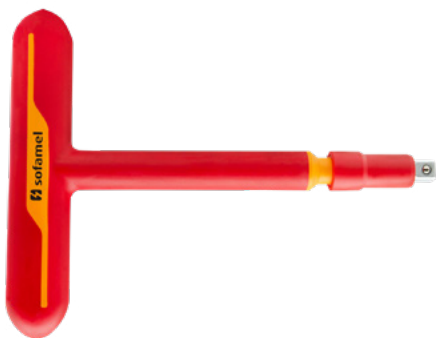
Insulated fixed wrench set

Code	Ref.
410095	Set of insulated open-ended spanners

• Contents:

- 8 mm open-ended spanner - 80 mm long.
- 10 mm open-ended spanner - 100 mm long.
- 11 mm open-ended spanner - 110 mm long.
- 12 mm open-ended spanner - 120 mm long.
- 13 mm open-ended spanner - 130 mm long.
- 14 mm open-ended spanner - 140 mm long.
- 15 mm open-ended spanner - 150 mm long.
- 16 mm open-ended spanner - 160 mm long.
- 17 mm open-ended spanner - 170 mm long.
- 19 mm open-ended spanner - 190 mm long.

KEYS



30115 T HEX

Insulated T shaped hex key

Code	Ref.	 Key	Dimensions
410056	Key T HEX - 4	4	90 x 200 mm
410057	Key T HEX - 5	5	
410058	Key T HEX - 6	6	
410059	Key T HEX - 8	8	
410060	Key T HEX - 9	9	
410061	Key T HEX - 10	10	

- T-handle HEX wrenches are designed for tasks that require efficient and comfortable force application, making them ideal for jobs that need precise torque application.
- Material: hardened steel.
- Insulation material: PP/TPR.

30115 LVT-210

Insulated T-handle wrench 3/8"

Code	Ref.	Dimensions
410102	LVT-210	158 x 210 mm

- Ergonomic T-shaped design for better grip and force application.
- Quick-release function.
- Suitable for electrical work and use on live cables or installations.
- Material: Chrome vanadium steel.
- Finish: Matte chrome.

30111 Kit LHT

Set of insulated T shaped hex keys

Code	Ref.
410055	Set of insulated T shaped hex keys

- **Contents:**
 - 410056 4 mm T shaped hex key - 90 x 200 mm
 - 410057 5 mm T shaped hex key - 90 x 200 mm
 - 410058 6 mm T shaped hex key - 90 x 200 mm
 - 410059 8 mm T shaped hex key - 90 x 200 mm
 - 410060 9 mm T shaped hex key - 90 x 200 mm
 - 410061 10 mm T shaped hex key - 90 x 200 mm

KEYS



1000V / 22
IEC 60900

30119 LA90 L-shaped hex key

Code	Ref.	Length
410072	Insulated key LA90-3	3 mm
410073	Insulated key LA90-4	4 mm
410074	Insulated key LA90-6	6 mm

- Allen wrenches LA90 are used in various applications, especially where direct access to hexagonal screws is limited or uncomfortable. The 90° design allows access to screws located in tight or hard-to-reach spaces where a straight wrench would not be practical.
- Material: hardened steel.
- Insulation material: PP/TPR.



1000V / 22
IEC 60900

30116 EL Insulated extension for 3/8" ratchet

Code	Ref.	Length
410240	Extension EL-3/8	125 mm
410075	Extension EL-3/8	300 mm

- Used to access nuts and bolts located in hard-to-reach places.
- Particularly useful in electrical panels and distribution boxes where access may be limited.
- Material: hardened steel.
- Insulation material: PP/TPR.



1000V / 22
IEC 60900

30116 LC-3/8 Insulated ratchet wrench for 3/8" ratchet

Code	Ref.	Dimensions
410065	Insulated key LC-3/8	3/8"

- Facilitates work in confined spaces where continuous back-and-forth movement is required.
- The ratchet mechanism allows for fast and efficient work by eliminating the need to constantly reposition the tool.
- The handle design provides a comfortable and secure grip, reducing fatigue during extended use.
- Material: hardened steel.
- Insulation material: PP/TPR.

SOCKETS



1000V / 22
IEC 60900

30116 Set of insulated 3/8" sockets Hexagon/female sockets

Code	Ref.
410085	Set of insulated 3/8" sockets Hexagon/female sockets

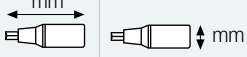
- Contents:**
 - 8 mm insulated socket 3/8"
 - 10 mm insulated socket 3/8"
 - 11 mm insulated socket 3/8"
 - 12 mm insulated socket 3/8"
 - 13 mm insulated socket 3/8"
 - 14 mm insulated socket 3/8"
 - 17 mm insulated socket 3/8"
 - 19 mm insulated socket 3/8"

Insulated collar on each socket to prevent arcing.

30116 LVA Insulated Allen sockets 3/8"



1000V / 22
IEC 60900

Code	Ref.		
410106	LVA-4	4	22,8 77
410107	LVA-5	5	
410108	LVA-6	6	
410109	LVA-8	8	

These tools are designed to work with electrical systems of up to 1000 V, offering additional protection against electric shocks.

- Standards: DIN 7422, DIN 3120.
- Material: Chrome vanadium steel.
- Finish: Matte chrome.



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PPI offers a wide selection of products for various electrical industries. To request information on our other ranges, contact us at sales@ppindustries.com.au



