

**Insulated
Handtools**

INSULATED PLIERS

Insulated Pliers FUTUR II

Pliers realized in „multi component“ - material:

- Insulation made of shockproof resin
- Handgrip inserts made of thermal rubber

The pliers from the FUTUR II series are resistant to chemical agents like oil, petrol, alcohol and petrolium.

**Norms:**

- ISO 5746
- UNI 9894
- VDE 0682-201



Resistent longliving grip area.

Slim head allows use even in postitions with difficult access.

Chromium plated surface

Long blade and enlarged indent for cables of bigger cross sections.

Cuff conform with the current norms

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

Insert of the handle in elastomer for a high compatibility with the skin, without contents of cadmium or other heavy metals.

INSULATED PLIERS



Engineers Pliers 2K

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

Description	Order No.	Length	Weight
Engineers pliers 2K	1101 160	160 mm	218 g
Engineers pliers 2K	1101 180	180 mm	250 g
Engineers pliers 2K	1101 200	200 mm	282 g



Engineers Pliers ISOplus

- Extra long blades
- For copper and aluminium cables with maximum 16 mm²
- Gripping surface with 3 indentations for various cable diameters

Description	Order No.	Length	Weight
Engineers pliers ISOplus	1109 2	190 mm	142 g



INSULATING HANDTOOLS

Insulating Gripping Pliers ISOplus

- Gripping surface with 8 indentations for various cable diameters
- Without blades
- No exposed metal parts

Description	Order No.	Length	Weight
Gripping pliers ISOplus	1109 1	180 mm	134 g



Telephone Pliers with Straight Jaws 2K

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

Description	Order No.	Length	Weight
Telephone pliers 2K	1103 160	160 mm	170 g
Telephone pliers 2K	1103 200	200 mm	208 g



INSULATING HANDTOOLS

Insulating Telephone Pliers ISOplus

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

Description	Order No.	Length	Weight
Telephone pliers ISOplus	1109 5	200 mm	100 g

INSULATED PLIERS



Telephone Pliers with Bent Jaws 2K

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

Description	Order No.	Length	Weight
Telephone pliers 2K	1104 160	160 mm	164 g
Telephone pliers 2K	1104 200	200 mm	206 g



Flat Nose Pliers 2K

- Toothed gripping surface

Description	Order No.	Length	Weight
Flat nose pliers 2K	1106 160	160 mm	170 g



Round Nose Pliers 2K

- Toothed gripping surface

Description	Order No.	Length	Weight
Round nose pliers 2K	1107 160	160 mm	170 g



Pipe Wrench 2K

- Adjustable (6 different positions)
- Tempered steel / shock-proved soft insulation

Description	Order No.	Length	Weight
Pipe wrench 2K	1110 250	240 mm	398 g

INSULATED PLIERS



Wire Stripper

- With locking screw and opening spring
- For cables from 0.75 to 6mm²

Description	Order No.	Length	Weight
Wire stripper	1105 160	180 mm	190 g



Insulated Pincers

- Hardened, gripping surface toothed
- Dip insulation
- Professional multi-coated

Description	Order No.	Length	Weight
Straight Insulated Pincers	1118 46	145 mm	50 g
Straight Insulated Pincers	1118 01	210 mm	83 g
Curved Insulated Pincers	1118 45	145 mm	50 g
Curved Insulated Pincers	1118 00	210 mm	79 g

INSULATED CUTTING PLIERS

**Side Cutter 2K**

- Very slim design with dropped forged head
- For cutting hard and soft wire
- Blades induction hardened
- High cutting performance
- Two component impact resistant insulated handles

Description	Order No.	Length	Weight
Diagonal cutting pliers 2K	1102 160	160 mm	208 g

**Cable Cutter D17**

APPLICATION RANGE	max. 50 mm ²
SUGGESTED APPLICATION	Copper and Aluminium

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

Description	Order No.	Length	Weight
Cable cutter D17	1602 160	160 mm	218 g

**Cable Cutter D15 ISOplus**

APPLICATION RANGE	max. 50 mm ²
SUGGESTED APPLICATION	Copper and Aluminium

- High cutting capacity for the smallest dimension

Description	Order No.	Length	Weight
Cable cutter D15 ISOplus	1109 4	160 mm	218 g

**Cable Cutter D22**

APPLICATION RANGE	Ø 25 mm / 80 mm ²
SUGGESTED APPLICATION	Copper and Aluminium

- Two - stages cutting for up to 25 mm diameters conductors
- High cutting capacity on second stage
- Easy and clean cut with single hand use
- With adjustable screwing joint
- Special steel with chrome finish
- Handles of shock-proof plastic in 2-component-design

Description	Order No.	Length	Weight
Cable cutter D22	1602 200	200 mm	345 g

SCISSORS



Insulated Electrician's Shears

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

Description	Order No.	Length	Weight
Insulated electrician shears	1603 1	180 mm	100 g



Cable Cutter and Crimper Electrician Scissor 2K

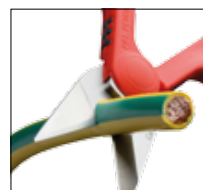
- To cut Cu/Al cables up to 50 mm²
- With slot to crimp insulated or not insulated end sleeves from 0,5 to 4 mm²
- Ergonomical and extremely robust
- Loose-free screw/pin hinge
- 2-component-handles
- With special Safetybox

Description	Order No.	Blade	Length
Scissors with safetybox	16020-F1	straighth	160 mm

Attention: Not suitable for work under voltage



*Special blade design:
to cut and strip cables*



*To cut Cu/Al cables up
to 50 mm²*



Special slot to crimp



Special Electrician's Scissors 2K

- Ergonomical and extremely robust
- High cutting performance, optimized toothing
- Loose-free screw/pin hinge
- 2-component-handles

Description	Order No.	Blade	Length
Scissors with safetybox	1601 4	straighth	140 mm

Attention: not suitable for work under voltage



Safetybox for INTERCABLE Electrician Scissors

- Suitable for all intercable scissors
- With belt safety clip

Description	Order No.	Blade	Length
Safetybox	1602 9	-	120 mm

INSULATED KNIVES



- Universal cutting blade



Universal Knife with Clappable Blade Protection

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

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



- Special stripping blade shape
- No cutting of conductor wires



Cable Stripping Knife with Clappable Blade Protection

- 1000V insulated tool
- With replaceable solid blade and insulated blade-back
- Made of shock-proof material

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



- No cutting of conductor wires
- No short circuits
- No wear of blade sharpening



✓ INSULATING HANDTOOLS

Special Cable Stripping Knife with Ceramic Blade

- 1000V insulated tool
- With clappable blade protection
- High cutting capacity
- No exposed metal parts

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

No replacing blade

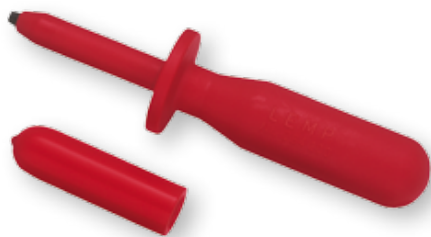


Cable Stripping Knife with Safety Cap

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

Description	Order No.	Blade	Length
Cable knife	2887 00	fixed 47 mm	175 mm

INSULATED SAWS



Insulated Hole Cutter

- Insulation is pierced at a 4 mm diameter and removed
- Gives a safe measuring point
- Lowers risk regarding misreadings and damage to testing device

Description	Order No.	Length	Weight
Insulated Hole Cutter	2843 00	200 mm	90 g



Insulated Cable Sheath Saw

- 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
- On demand alternatively saw-blade 14 teeth can be supplied

Description	Order No.	Length	Weight
Cable sheath saw (24 teeth, fine)	4303 02	250 mm	140 g
↳ Saw-blade (14 teeth, coarse)	4308 01	120 mm	6 g
↳ Saw-blade (24 teeth, fine)	4308 05	120 mm	6 g



Hacksaw

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

- 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

Description	Order No.	Length	Weight
Hacksaw	4242 00	280 mm	230 g
↳ Spare Saw-blade	4330 10	150 mm	3 g

Attention: Not suitable for work under voltage



Hacksaw

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

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

Description	Order No.	Length	Weight
Hacksaw / Saw-blade 4210 00	4243 00	470 mm	660 g
↳ Blade 22/32 teeth width 13mm, thickn. 0,63 mm	4210 00	300 mm	17 g
↳ Blade 18 teeth width 13mm, thickn. 0,63 mm	4210 16	300 mm	17 g
↳ Blade double-sided 22/32 teeth width 25mm, thickn. 0,8 mm	4219 20	300 mm	40 g

Attention: Not suitable for work under voltage

INSULATED SCREWDRIVERS

Insulated Screwdrivers FUTUR II

Screwdriver realized in „multi component“ - material:

- Insulation made of shockproof resin
- Handgrip made of thermal rubber
- Lens at the back-end made of transparent shockproof resin.

Norm:
• VDE 0682 / 201



The screwdrivers from the FUTUR II series are resistant to chemical agents like oil, petrol, alcohol and petrolium.

Very keen blade super hardened, tempered and with a black-oxidized surface for long life performance.

Very thin insulation and blade diameter for a smooth workability in limited space

The handgrip diameter of the different types of screwdrivers is always in relation with the screw head diameter in order to avoid damage on the screw.

Absolutely smooth back-end of the handle in order to guarantee a comfortable use.

Covering of the handle in elastomer for a high compatibility with the skin, without contents of cadmium or other heavy metals.

The handle length is about the same for all types of screwdrivers.

Indelible marking on the handle and under the lens (important concerning the norm EN/IEC 60900!)



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 socket-head screws
white



For hex-head screws
violet



For sherial hex socket-head screws
grey



For **TORX**® - head screws
blue



For combined "Phillips"-head screws
red / yellow



For combined "Pozidriv"-head screws
green / yellow

TORX®

registered trademark of CAMCAR TEXTRON, Rockford, Illinois, USA

INSULATED SCREWDRIVERS



Screwdriver for Slotted Head Screws – FUTUR II

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

Description	Order No.	mm	mm	mm	mm
Screwdriver for Slotted Head Screws	1301 025	2,5	75	0,4	175
	1301 030	3,0	100	0,5	200
	1301 035	3,5	100	0,6	200
	1301 040	4,0	100	0,8	200
	1301 045	4,5	125	1,0	230
	1301 055	5,5	125	1,0	230
	1301 065	6,5	150	1,2	255
	1301 080	8,0	175	1,2	290
1301 100	10,0	200	1,6	320	



Screwdriver for "Philips" Screws – FUTUR II

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

Description	Order No.	mm	mm	mm
Screwdriver for "Philips" Screws	1302 0	0	60	160
	1302 1	1	75	175
	1302 2	2	100	205
	1302 3	3	150	265
	1302 4	4	200	320



Screwdriver for "Pozidriv" Screws – FUTUR II

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

Description	Order No.	mm	mm	mm
Screwdriver for "Pozidriv" Screws	1303 0	0	60	160
	1303 1	1	75	175
	1303 2	2	100	205
	1303 3	3	150	265



Combination Screwdriver "Philips" – FUTUR II

- For combined Slotted-/Intersecting slot Screws in electrical systems
- Blade in high resistance chromium-vanadium-molybdän-steel, hardened, with surface burnish protection

Description	Order No.	mm	mm	mm
Comb. Screwdriver	1313 1	1	80	180
Comb. Screwdriver	1313 2	2	100	205



Combination Screwdriver "Pozidriv" – FUTUR II

- For combined Slotted-/Intersecting slot Screws in electrical systems
- Blade in high resistance chromium-vanadium-molybdän-steel, hardened, with surface burnish protection

Description	Order No.	mm	mm	mm
Comb. Screwdriver	1314 1	1	80	175
Comb. Screwdriver	1314 2	2	105	205

INSULATED SCREWDRIVERS



Screwdriver for Hexagon Socket Screws – FUTUR II

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

Description	Order No.			
		mm	mm	mm
Screwdriver for Hexagon Socket Screws	1304 020	2	60	160
	1304 025	2,5	75	175
	1304 030	3	75	180
	1304 040	4	75	180
	1304 050	5	75	190
	1304 060	6	100	215
	1304 080	8	100	220



Ball-Point Screwdriver for Hexagon Socket Screws

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

Description	Order No.			
		mm	mm	mm
Ball-Point Screwdriver for Hexagon Socket Screws	1305 020	2	100	200
	1305 025	2,5	100	200
	1305 030	3	100	205
	1305 040	4	100	205
	1305 050	5	100	215
	1305 060	6	125	230
	1305 080	8	150	270



Screwdriver for Hexagon Screws – FUTUR II

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

Description	Order No.			
		mm	mm	mm
Screwdriver for Hexagon Screws	1306 040	4	125	225
	1306 050	5	125	225
	1306 055	5,5	125	225
	1306 060	6	125	230
	1306 070	7	125	230
	1306 080	8	125	230
	1306 090	9	125	230
	1306 100	10	125	240
	1306 110	11	125	240
	1306 120	12	125	240
	1306 130	13	125	240



TORX® Screwdriver – FUTUR II

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

Description	Order No.			
		mm	mm	mm
TORX® Screwdriver	1307 010	10	60	160
	1307 015	15	75	175
	1307 020	20	75	180
	1307 025	25	75	180
	1307 030	30	100	215

INSULATED SCREWDRIVERS

Screwdriver Set for Hexagon Screws



Description	Order No.	Dimensions
Screwdriver Set	1399 010	270 x 195 x 35

Equipment:

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



Screwdriver Set for Hexagon Socket Screws

Description	Order No.	Dimensions
Screwdriver Set	1399 011	290 x 165 x 35

Equipment:

- size 2 1304 020
- size 2,5 1304 025
- size 3 1304 030
- size 4 1304 040
- size 5 1304 050
- size 6 1304 060
- size 8 1304 080



Ball-Point Screwdriver Set for Hexagon Socket Screws

Description	Order No.	Dimensions
Screwdriver Set	1399 012	290 x 165 x 35

Equipment:

- size 2 1305 020
- size 2,5 1305 025
- size 3 1305 030
- size 4 1305 040
- size 5 1305 050
- size 6 1305 060
- size 8 1305 080



TORX® Screwdriver Set

Description	Order No.	Dimensions
Screwdriver Set	1399 013	290 x 165 x 35

Equipment:

- size 10 1307 010
- size 15 1307 015
- size 20 1307 020
- size 25 1307 025
- size 30 1307 030

INSULATED SCREWDRIVERS



Torque Screwdriver Set

Designed for accurate tightening of bolt connections with preset torque (slotted drive, Phillips and Pozidrive).

Description	Order No.	Dimensions
Torque Screwd. Set	1308 804	-

Technical Characteristics:

- Torque continually variable from 1 Nm to 5.0 with attached T-Handle
- View window with Torque-scale
- Release accuracy tolerance $\pm 6\%$ of the selected value
- Handle diameter adjusted to the particular torque range
- Colour-coded exchangeable with blades
- Insulation according EN/IEC60900
- Fix adjustable torque on request
- Range of application to -40°C

Equipment:

- Torque handle 1,0 - 5,0Nm 13082
- Torque adjusting tool..... 13089
- Blade slott. screw 0,8x4,0 mm 1311040
- Blade slott. screws 1,0x5,5 mm 1311055
- Blade for screwdriver PH size 1 13091
- Blade for screwdriver PH size 2 13092
- Blade for screwdriver PZ size 1 13101
- Blade for screwdriver PZ size 2 13102
- Blade for screwdriver SW3,0 13203
- Blade for screwdriver SW4,0 13204



Insulated Bits

- For combined Slotted-/Intersecting slot Screws in electrical systems
- To use with every electric drill

Description	Order No.	Dimensions
Insulated Bits	1399 014	-

Equipment:

- Combined Slotted-/Intersected Insulated Bit + - PH1 1332 1
- Combined Slotted-/Intersected Insulated Bit + - PH2 1332 2
- Combined Slotted-/Intersected Insulated Bit + - PZ1 1333 1
- Combined Slotted-/Intersected Insulated Bit + - PZ2 1333 2



intercable

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