

# HEATING/PLUMBING RANGE

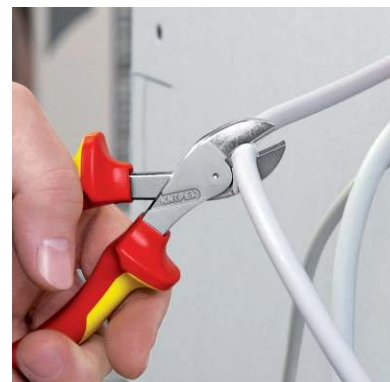
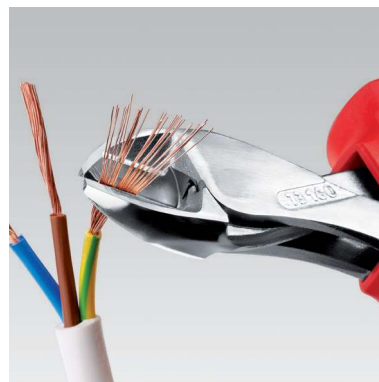


40% less effort required compared to diagonal cutters of the same length.

## X-Cut® – Compact Diagonal Cutters

Compact and 20% less weight. Powerful and precise. Cuts finest strands as well as multi-core cables and piano wires.

- box-joint design: highest stability with low weight
- doubly supported joint axis for heaviest duty
- high cutting capacity with very little effort thanks to the optimum coordination of cutting-edge angle and leverage ratio
- large opening width for thicker cables
- cuts precisely, even through fine copper wires
- compact, low-weight construction
- Chrome vanadium heavy-duty steel, forged, oil-hardened



Article No.	EAN		⊙ mm	⊙ mm	⊙ mm	⊙ mm	⊙ mm	↔ mm
73 02 160	075127		4.8	3.8	2.7	2.2	12	160
73 05 160	075134		4.8	3.8	2.7	2.2	12	160
73 06 160	075141	⚡ 1000V ⚡	4.8	3.8	2.7	2.2	12	160

⊙ soft wire ⊙ medium hard wire ⊙ hard wire ⊙ piano wire ⊙ Cu + Al multi-conductor cable, solid and multi-stranded ⊙ wire rope

Product video



## Pliers for Electrical Installation

The all-rounder for professionals

Multifunctional pliers for the electrical installation; to grip flat and round material, for bending, deburring, cutting cable, stripping and crimping end sleeves (ferrules)

6 functions in one pair of pliers

- smooth surfaces near the tips grip single cores without damaging them; serrated gripping surfaces and pipe grip for gripping flat and round material
- clear-cut outside edge on the jaw for working on flush-mounted junction boxes and deburring feed-through holes
- stripping holes for conductors of 0.75 - 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup>
- crimp die for wire-end ferrules 0.5 - 2.5 mm<sup>2</sup>
- cable shears with (induction-hardened) precision cutting edges for copper and aluminium cables up to 5 x 2.5 mm<sup>2</sup> / dia. 15 mm
- slim dimensions for easy access
- bolted joint: precise, zero backlash operation of pliers
- High-grade special tool steel, forged, oil-hardened

### 13 91 200 / 13 92 200 / 13 96 200

- the intelligent latching mechanism enables you to "grip" without opening the pliers. The cutting edge remains closed and protected.



13 81 200



13 91 200  
MM



13 82 200



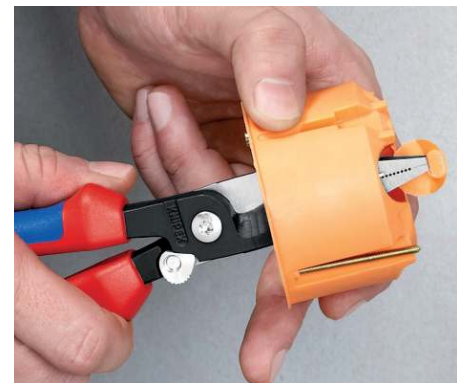
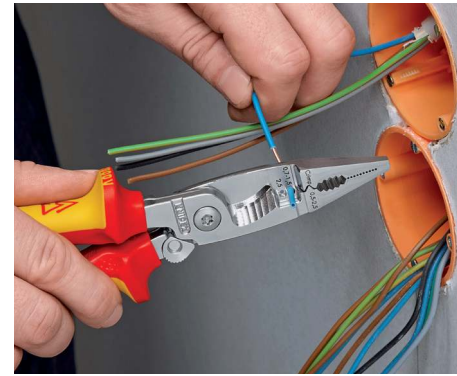
13 92 200  
MM



13 86 200



13 96 200  
MM



Article No.	EAN 4003773-	Handles	Cutting capacity		
			Ø mm	mm <sup>2</sup>	↔ mm
13 81 200	075240	plastic coated	15	50	200
13 82 200	075080	with multi-component grips	15	50	200
13 86 200	075097	insulated with multi-component grips, VDE-tested	15	50	200
13 91 200	075257	plastic coated	15	50	200
13 92 200	075103	with multi-component grips	15	50	200
13 96 200	075110	insulated with multi-component grips, VDE-tested	15	50	200

Product video



## Diagonal Cutters

- the indispensable diagonal cutter for all-round use
- high quality material and precise workmanship for long service life
- precision cutting edges for soft and hard wire
- clean cutting of thin copper wires, also at the cutting-edge tips
- cutting edges additionally induction hardened, cutting edge hardness approx. 62 HRC
- narrow head style for use in confined areas
- Vanadium electric steel; forged, oil-hardened



Article No.	EAN 4003773-		Ø mm	Ø mm	Ø mm	mm
70 06 125	018124		3.0	2.3	1.5	125
70 06 140	040293		4.0	2.5	1.8	140
70 06 160	021995		4.0	2.8	2.0	160
70 06 180	033813		4.0	3.0	2.5	180



Article No.	EAN 4003773-		Ø mm	Ø mm	Ø mm	mm
74 06 160	040705		3.4	2.5	2.0	160
74 06 180	022985		3.8	2.7	2.2	180
74 06 200	033820		4.2	3.0	2.5	200
74 06 250	041955		4.6	3.5	3.0	250

## High Leverage Diagonal Cutters

- with integrated forged axle for heaviest duty
- high cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle and transmission ratio
- precision cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC

### Length 250 mm

- the 250-mm-long diagonal cutter is suitable for copper conductors up to 16 mm<sup>2</sup> and aluminium conductors up to 35 mm<sup>2</sup>



## THE WORLD OF THE KNIPEX DIAGONAL CUTTERS

KNIPEX TwinForce®	KNIPEX X-Cut®	High Leverage Diagonal Cutter	Diagonal Cutter
<b>NEW</b>	<b>NEW</b>		
The reapplying cutter	Box joint: greatest stability with little weight	Forged on hinged joint for robust use	Long cutting edges for cutting cable; also precise enough for the finest stranded wires
Hand force is multiplied by 39	Hand force is multiplied by 16	Hand force is multiplied by 13	Hand force is multiplied by 9



73 72 180



PATENTED

## TwinForce® – High Performance Diagonal Cutters

The superior High-Leverage Diagonal Cutter with patented double joint

- ideal transmission of force due to double-hinged design
- reliably cuts all types of wire, including steel tape
- for rough or very fine cutting
- low cutting impact: gentle on hands. The tension on muscles and tendons is relieved
- for comfortable cutting, repetitive cutting or extremely hard cutting jobs
- high degree of stability and zero-backlash due to precisely milled forged-in axles
- New for diagonal cutters: The option to reapply the tool. The KNIPEX TwinForce® cuts even 4 mm thick wire without great effort when reapplied two or three times. Conventional high leverage diagonal cutters either cannot cut these diameters or only with very great effort
- Chrome vanadium heavy-duty steel, forged, oil-hardened

### 73 72 180 F

- with opening spring to simplify reapplication and for repetitive cutting



Extremely easy cutting with little strain:  
cuts again 50 % easier than the tried and tested KNIPEX high leverage diagonal cutters

Product video



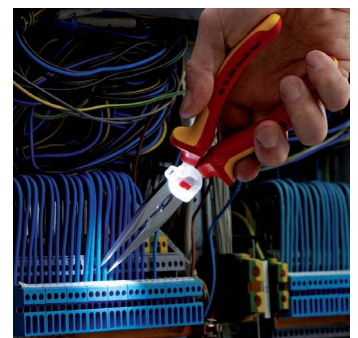
Article No.	EAN	Ø mm	Ø mm	Ø mm	Ø mm	↔ mm
73 71 180	074762	5.5	4.6	3.2	3.0	180
73 72 180	074779	5.5	4.6	3.2	3.0	180
73 72 180 F	077657	5.5	4.6	3.2	3.0	180

## Magnetic LED Lamp

Strong. Bright. Compact.

- for illuminating dark working areas
- attachment to tool by means of strong magnets
- very compact dimensions
- approx. 24 hours of lighting, with 2 replaceable button cells (CR1220)
- snap-hook fastening
- impact-resistant plastic housing

Article No.	EAN
00 11 V50	4003773-075387



### Diagonal Insulation Stripper

- precision stripping holes for single (solid) conductors of 1.5 and 2.5 mm<sup>2</sup>
- convenient cutting of NYM cables up to 5 x 2.5 mm<sup>2</sup>
- with elongated cutting edge
- improved transmission ratio for 25 % more cutting performance
- long tips for ultra fine cutting work also in confined areas
- induction hardened precision blades for soft wire up to 4.0 mm dia., cutting edge hardness approx. 60 HRC
- Vanadium electric steel; forged, oil-hardened



Article No.	EAN 4003773-	Stripping capacities mm <sup>2</sup>	AWG	Ø mm	Ø mm	↔ mm
14 26 160	040279	⚡ 1000V	15 + 2.5	15 + 13	2.5 1.5	160

### Insulation Stripper

- for single, multiple and fine stranded conductors with plastic or rubber insulation max. 5.0 mm dia. or resp. 10.0 mm<sup>2</sup> cable cross section
- Special tool steel, forged, oil-hardened



Article No.	EAN 4003773-	Stripping capacities	AWG	↔ mm
11 06 160	021933	⚡ 1000V	5.0 10 7	160

### Combination Pliers

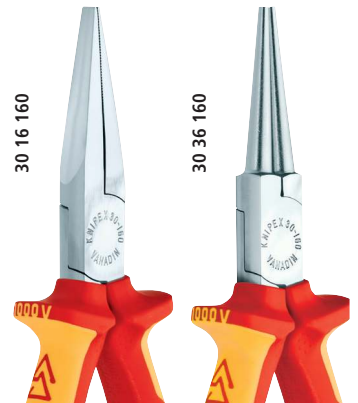
- with gripping zones for flat and round material, suitable for versatile use
- with cutting edges for soft and hard wire
- long cutting edges for thicker cables
- cutting edges additionally induction hardened, cutting edge hardness approx. 60 HRC
- Special tool steel, forged, oil-hardened



Article No.	EAN 4003773-	Ø mm	Ø mm	Ø mm	mm <sup>2</sup>	↔ mm
03 06 160	021902	⚡ 1000V	3.1	2.0	10 16	160
03 06 180	021926	⚡ 1000V	3.4	2.2	12 16	180
03 06 200	033776	⚡ 1000V	3.8	2.5	13 16	200

### Long Nose Pliers

- heavy duty and wear resisting
- different jaw styles
- Chrome vanadium electric steel, forged, oil-hardened



Article No.	EAN 4003773-	↔ mm		
30 16 160	001904	⚡ 1000V	long, trapezoidal jaws, knurled gripping surfaces	160
30 36 160	002123	⚡ 1000V	long, round jaws, smooth gripping surfaces	160

### Snipe Nose Side Cutting Pliers

- suitable for finer gripping and cutting work
- pointed, half-round jaws
- knurled gripping surfaces
- with cutting edges for medium hard and hard wire
- cutting edges additionally induction hardened, cutting edge hardness approx. 61 HRC
- Vanadium electric steel; forged, oil-hardened

#### 26 .. 200

- Elastic tips: dimensionally stable even when twisted



Article No.	EAN 4003773-	Ø mm	Ø mm	↔ mm
25 06 160	033806	⚡ 1000V	pointed, half-round jaws	2.5 1.6 160
25 26 160	052111	⚡ 1000V	pointed, half-round jaws	2.5 1.6 160
26 16 200	022831	⚡ 1000V	half-round, long jaws, knurled gripping surfaces	3.2 2.2 200
26 26 200	022855	⚡ 1000V	half-round, long jaws, knurled gripping surfaces	3.2 2.2 200

## Flat Nose Pliers of plastic

- fully insulating to reduce risk of short circuit
- for meter assembly and meter blocking
- plastic material, fibreglass reinforced
- handles with soft plastic zone for better grip



98 62 01



98 62 02

Article No.	EAN 4003773-		↔ mm
98 62 01	073956	⚡ 1000V	180
98 62 02	073963	⚡ 1000V	220



The adjustment action to adapt to the workpiece is easy and reliable with the KNIPEX Cobra® VDE: place the upper gripping jaw of the opened pliers on the workpiece, push pliers to close, done!

## Cobra® VDE Hightech Water Pump Pliers, insulated

Adjustment by shifting one jaw directly on to the workpiece: fast, reliable and comfortable handling  
Opening at the touch of a button apart from the workpiece

- fine adjustment for optimum adaptation to different sizes of workpieces and a comfortable handle width
- Chrome vanadium electric steel, forged, oil-hardened



Article No.	EAN 4003773-		Adjustment positions	⊘ Inch	⊘ mm	⬡ mm	↔ mm
87 26 250	071495	⚡ 1000V	24	2	50	46	250

## Alligator® Water Pump Pliers, VDE-tested

- self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
- good access to the workpiece due to slim size of head and joint area
- Chrome vanadium electric steel, forged, oil-hardened

Article No.	EAN 4003773-		Adjustment positions	⊘ Inch	⊘ mm	⬡ mm	↔ mm
88 06 250	039303	⚡ 1000V	9	2	50	46	250



## Electricians' Shears

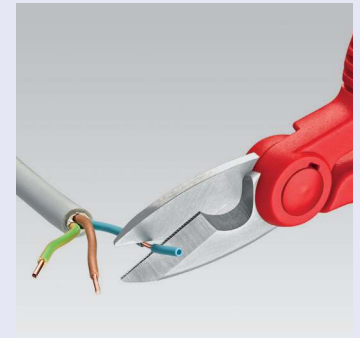
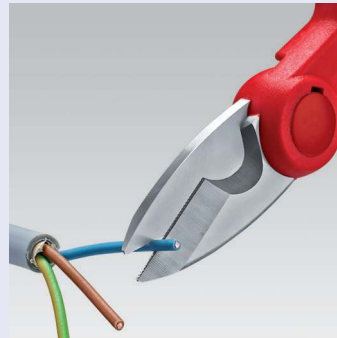
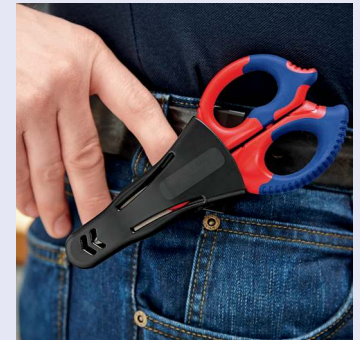
Precisely ground blades with fine serration for a clean, non-slip cut

Cutting edge with integrated cable cutter

With plastic belt case

- universal shears for electricians
- handles with multicomponent grips, fibreglass-reinforced
- cutting edges made from stainless steel, hardness of cutting edges 56 HRC

Article No.	EAN 4003773-	↔ mm
95 05 155 SB	077725	155



## Cable Shears

- clean and smooth cut without crushing and deformation
- for cutting copper and aluminium single conductors as well as multiple stranded cables
- easy cutting with one-hand operation
- not suitable for steel wire and hard drawn copper conductors



### 95 26 165

- internal opening spring, protected and captive

## Cable Shears with twin cutting edge

PATENTED

- clean and smooth cut without crushing and deformation
- for cutting copper and aluminium cables
- not suitable for steel wire and hard drawn copper conductors



**Initial cut:** using the front cutting edge to cut the insulating sheath on larger cable diameters leaves an ergonomic handle opening width.

**Final cut:** after cutting the sheath in the front profile the conductors in the rear part are cut. Initial cut in the front profile, final cut in the rear profile - to keep it as easy as possible.



Article No.	EAN 4003773-		⊕ mm	⊕ mm <sup>2</sup>	AWG	↔ mm
95 11 165	040323		15	50	1/0	165
95 16 165	039648	⚡ 1000V	15	50	1/0	165
95 26 165	069980	⚡ 1000V	15	50	1/0	165

Article No.	EAN 4003773-		⊕ mm	⊕ mm <sup>2</sup>	AWG	↔ mm
95 16 200	026761	⚡ 1000V	20	70	2/0	200

### Cable Cutters (ratchet action)

PATENTED

- for cutting copper and aluminium single conductors as well as multiple stranded cables
- precision ground, hardened blades
- one-hand operation using ratchet principle
- little handforce required due to very high transmission ratio
- not suitable for steel wire and wire ropes



95 36 250



95 36 280



Article No.	EAN 4003773-		Ø mm	mm <sup>2</sup>	MCM	mm
95 36 250	026884	1000V	32	240	500	250
95 36 280	026891	1000V	52	380	750	280

### Cable Cutters (ratchet principle, 3-stage)

Sturdy. Easy to use. Stable. Innovative ratchet-drive. For cable up to 60 mm diameter.

- easy handling due to low weight (830 g) and compact construction (320 mm length) – also usable in confined areas
- cutting through copper and aluminium cables with diameters of up to 60 mm in one-hand and two-hand operation
- hardened cutting edges, precisely ground, cut smoothly and neatly without crushing
- for cutting copper and aluminium single conductors as well as multiple stranded cables (not suitable for steel wire and wire ropes)
- innovative three-stage ratchet-drive with high leverage for easy cutting in one-hand and two-hand operation
- fixed handle with support area for putting down the pliers when cutting
- High-grade special tool steel, forged, oil-hardened



95 32 320



95 36 320



Article No.	EAN 4003773-		Ø mm	mm <sup>2</sup>	MCM	mm
95 32 320	075172		60	600	1200	320
95 36 320	075189	1000V	60	600	1200	320





98 25 03

## Screwdrivers

### VDE-tested

- ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- handle design prevents rolling
- Chrome vanadium molybdenum steel



Article No.	EAN 4003773-			Blade width mm	Blade thickness mm	Blade length mm	↔ mm
98 20 25	062325	⚡ 1000 V	⊖	2.5	0.4	75	177
98 20 30	062332	⚡ 1000 V	⊖	3.0	0.5	100	202
98 20 35	024217	⚡ 1000 V	⊖	3.5	0.6	100	202
98 20 40	026402	⚡ 1000 V	⊖	4.0	0.8	100	202
98 20 55	024224	⚡ 1000 V	⊖	5.5	1.0	125	232
98 20 65	026419	⚡ 1000 V	⊖	6.5	1.2	150	262
98 24 01	026440	⚡ 1000 V	⊕ PH1	-	-	80	187
98 24 02	026457	⚡ 1000 V	⊕ PH2	-	-	100	212
98 24 03	026464	⚡ 1000 V	⊕ PH3	-	-	150	270
98 25 01	031260	⚡ 1000 V	⊕ PZ1	-	-	80	187
98 25 02	031277	⚡ 1000 V	⊕ PZ2	-	-	100	212
98 25 03	031284	⚡ 1000 V	⊕ PZ3	-	-	150	270

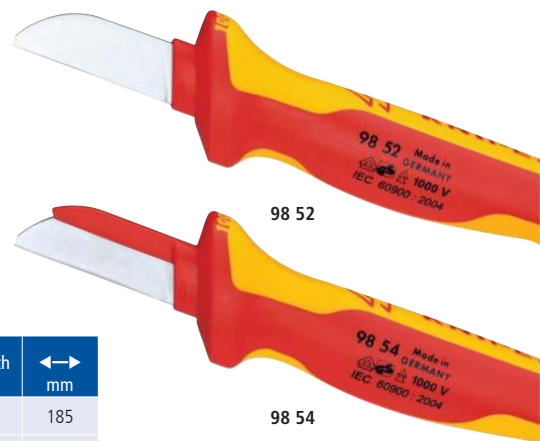
## Cable Knives

### insulating multi-component handle, VDE-tested

- ergonomically improved handle shape with comfortable slip guard
- particularly confident grip thanks to slip-proof soft components
- thumb recess and "finger hook" at the end of the handle ensure a good transmission of force when the blade is pulled
- solid, fixed straight blade
- transparent protective cap
- blade: special tool steel, oil-hardened

#### 98 54

- back of the blade plastic coated to avoid short circuits



Article No.	EAN 4003773-		Blade length mm	↔ mm
98 52	035564	⚡ 1000 V	50	185
98 54	026563	⚡ 1000 V	50	185

## Dismantling Knives

### insulating multi-component handle, VDE-tested

- ergonomically improved handle shape with comfortable slip guard
- particularly confident grip thanks to slip-proof soft components
- thumb recess and "finger hook" at the end of the handle ensure a good transmission of force when the blade is pulled
- transparent protective cap

#### 98 53 03

- solid, fixed hook blade
- suitable for round cables
- blade: special tool steel, oil-hardened

#### 98 53 13

- narrow, fixed hook blade, sickle shaped
- suitable for sector cables
- blade: special tool steel, oil-hardened

#### 98 55

- solid, fixed hook blade, sickle shaped
- with guide shoe at the blade point
- no damage of the conductor insulation
- blade: surgical steel, stainless, vacuum-hardened



Article No.	EAN 4003773-		Blade length mm	↔ mm
98 53 03	026549	⚡ 1000 V	28	170
98 53 13	026556	⚡ 1000 V	50	185
98 55	022558	⚡ 1000 V	38	180

## Cable Shears (ratchet action)

with telescopic handles

- Cable shears with adjustable telescopic handles allowing angular positioning
- for cable diameters up to 38 mm, handles can be positioned at an angle to set the optimum handle width, which makes the shear also suitable for work in confined areas
- comfortable work thanks to ratchet action and low weight
- heavy duty telescopic handles made of oval aluminium tubing; extendable up to 770 mm for maximum leverage on large cable diameters; retractable down to 570 mm for minimum space requirements during transport
- replaceable cutting head
- extensive cutting range up to max. Ø 38 mm or max. 280 mm<sup>2</sup> (e.g. 4 x 70 mm<sup>2</sup> NYN) in copper and aluminium cables
- easier, neater cut due to optimised cutting-edge geometry
- adjustable bolted joint
- cutting head: special quality high-grade tool steel, oil-hardened
- handles: high-strength oval aluminium tubing

Article No.	EAN 4003773-	Ø mm	mm <sup>2</sup>	MCM	↔ mm
95 32 038	071556	38	280	550	570 - 770



with  
adjusting button



## Cable Shears

Short design, length only 500 mm

Low weight, high leverage

- for cutting copper and aluminium single conductors as well as multiple stranded cables
- not suitable for steel wire and wire ropes
- precision ground, hardened blades
- clean and smooth cut without crushing and deformation
- low handforce required due to favourable lever ratio and special blade geometry
- guard prevents operators' fingers being pinched
- adjustable bolted joint
- cutter head: vanadium electric steel, forged, oil-hardened
- handles: aluminium tube, high-strength



Article No.	EAN 4003773-	Ø mm	mm <sup>2</sup>	AWG	↔ mm
95 12 500	069966	27	150	5/0	500

### Self-Adjusting Insulation Strippers

- for single, multiple and fine stranded conductors with plastic or rubber insulation
- adapts automatically to the respective cable cross-section; prevents damage to the conductor
- cutting depth can be adjusted for different insulation materials
- with wire cutter for copper and aluminium wires, multiple stranded up to 10.0 mm<sup>2</sup> and single stranded up to 6.0 mm<sup>2</sup>
- smoothly operating mechanism
- stripping blades and clamping jaws easily replaceable
- low weight
- body: plastic, fibreglass-reinforced
- blade: special tool steel, oil-hardened

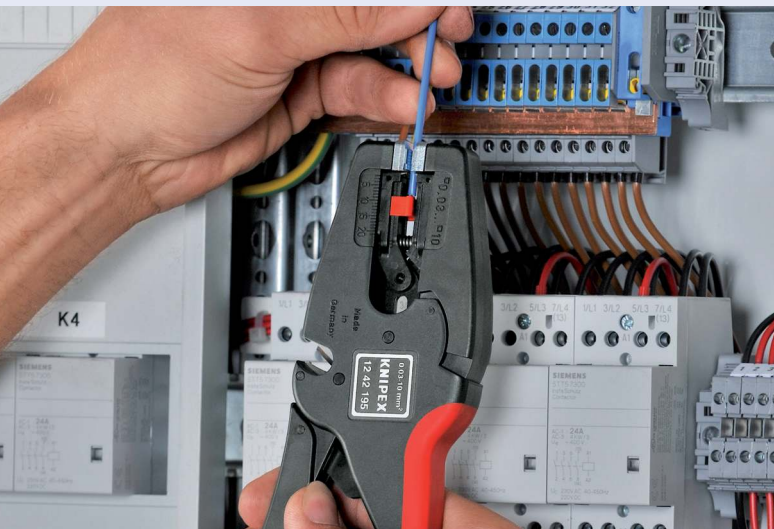
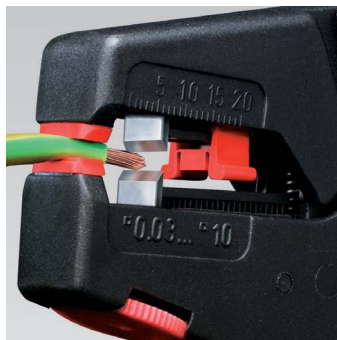
**12 40 200**

for thin ribbon cables up to 10.0 mm width in a single pass



12 40 200

Article No.	EAN 4003773-		Stripping capacities		↔ mm
			mm <sup>2</sup>	AWG	
12 40 200	026662	MM	0.03 - 10	32 - 7	200
12 50 200	034407		2.5 - 16	13 - 5	200



### MultiStrip 10 Automatic Insulation Stripper

**PATENTED**

- Improved knife geometry – robust and more durable
- Optimised handle design with more comfort
- Recessed wire cutter

- fully automatic adjustment to all single-, multi- and fine-stranded conductors with PVC insulation and a number of special insulations throughout the entire capacity range of 0.03 to 10 mm<sup>2</sup>
- no manual fine adjustment required, no damage to the conductors
- the clamping jaws made of steel hold the cable in a way that prevents slipping without damaging the remaining insulation



Article No.	EAN 4003773-		Stripping capacities		↔ mm
			mm <sup>2</sup>	AWG	
12 42 195	054580	MM	0.03 - 10	32 - 7	195

## Precision Insulation Stripper

- form-fit stripping also of difficult-to-remove insulating materials made of PTFE, silicone, Radox®, Kapton® and rubber; multi-layer too
- a second pair of blades holds the remaining insulation reliably in place
- replaceable shaped blade adapted precisely to the respective conductor cross-section
- with length stop for constant stripping length during repetitive work



PATENTED

12 12 12



Article No.	EAN 4003773-	Image	Stripping capacities		↔ mm
			mm <sup>2</sup>	AWG	
12 12 06	049005		0.14 - 6	26 - 10	195
12 12 10	049012		2.5 - 10	13 - 7	195
12 12 11	062998		1.5 - 6	15 - 10	195
12 12 12	073758		4.0 - 10	11 - 7	195

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E. I. du Pont de Nemours and Company: Kapton® / Huber+Suhrer AG: Radox®



## Dismantling Tool

- for dismantling round cable sheaths made of PVC, rubber, silicone or PTFE from 6.0 - 29.0 mm dia.
- self-tightening holding lever
- housing: plastic, impact-proof



## Dismantling Tool

- for dismantling round cables exceeding 25.0 mm dia.
- removes all kinds of insulation layers
- suitable for longitudinal and circular cutting
- tool body: plastic, fibreglass-reinforced



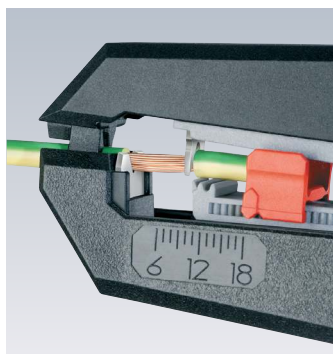
Article No.	EAN 4003773-	Stripping capacities Ø mm	↔ mm
16 30 135 SB	033349	6.0 - 29.0	135

Article No.	EAN 4003773-	Stripping capacities Ø mm	↔ mm
16 40 150	026709	> 25	150



### Automatic Insulation Stripper

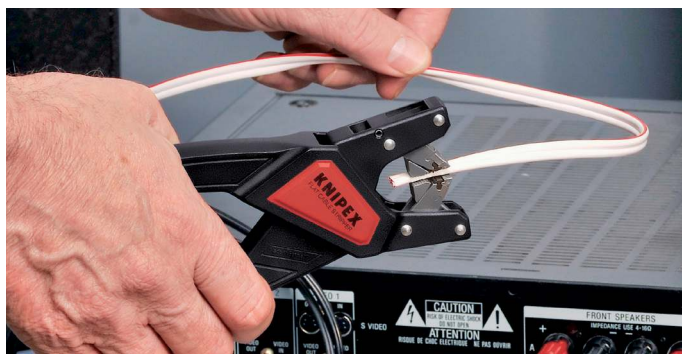
- compact standard tool at a favourable price for all current cable cross-sections and insulating materials
- for single, multiple and fine stranded cables of 0.2 up to 6 mm<sup>2</sup> with standard insulation
- blades: special tool steel, oil-hardened, interchangeable



Article No.	EAN	4003773-	Stripping capacities		↔ mm
			mm <sup>2</sup>	AWG	
12 62 180	054573	MM	0.2 - 6	24 - 10	180

### Automatic Insulation Stripper

- for PVC insulated flat cables up to a max. 12 mm width and 0.75 to 2.5 mm<sup>2</sup>
- adapts automatically to the various conductor heights; prevents damage to the conductor
- long stripping lengths possible
- blade replaceable

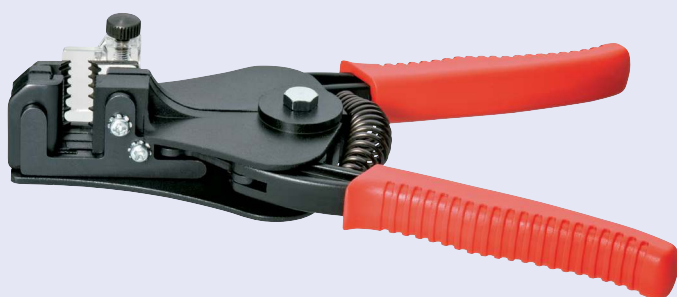


Article No.	EAN	4003773-	Stripping capacities		↔ mm
			mm <sup>2</sup>	AWG	
12 64 180	073284	MM	0.75 - 2.5	19 - 13	180

### Insulation Stripper with adapted blades

- with replaceable blades for 4 or 6 different conductor cross-sections
- leave wire undamaged thanks to precision-ground blade shapes, even multi-stranded conductors are stripped gently
- with length stop for constant stripping length during repetitive work

Article No.	EAN	4003773-	Stripping capacities		↔ mm
			Ø mm		
12 11 180	000792	MM	0.5 / 1.2 / 1.6 / 2.0		180



### Dismantling Tools

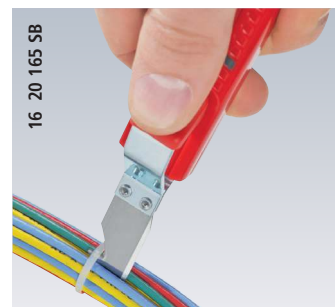
- for stripping all common round cables
- self-tightening holding lever
- housing: plastic, impact-proof

#### 16 20 165 SB

- with knife and hook blade, protective cap included



16 20 165 SB



Article No.	EAN	4003773-	Stripping capacities		↔ mm
			Ø mm		
16 20 28 SB	060468		8.0 - 28.0		130
16 20 165 SB	043133		8.0 - 28.0		165

### Stripping Tool for coax cables

- universal stripping tool for Coax cables RG 59, RG 6, RG 7, RG 11
- for stripping outer sheath and interior insulation in a single process
- adjustable stripping blade for data cable
- two stripping blades for cutting and stripping telephone ribbon cable (4P/6P/8P) in a single operation
- housing: plastic, impact-proof

Article No.	EAN 4003773-	Cable type	↔ mm
16 60 06 SB	077961	RG 59, RG 6, RG 7, RG 11	125



### Universal Dismantling Tools

- for dismantling and stripping all common round and damp-proof installation cables between 8.0 - 13.0 mm dia. (e.g. 3 x 1.5 mm<sup>2</sup> up to 5 x 2.5 mm<sup>2</sup>)
- also for use in conduit and distribution boxes
- body: plastic, fibreglass-reinforced

#### 16 85 125 SB

- with additional blade for longitudinal cuts
- telescopic blade inside

#### 16 90 130 SB

- specially suitable for larger cross-sections and for difficult insulating materials
- for use in confined and difficult to access work areas
- no adjustment of blades to cutting depth required
- stripping device for conductors and strands 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup>



16 85 125 SB



16 90 130 SB



Article No.	EAN 4003773-	Stripping capacities Ø mm	Types of cables	↔ mm
16 80 125 SB	040828	8.0 - 13.0	round cable. e. g.: 3 x 1.5 mm <sup>2</sup> up to 5 x 2.5 mm <sup>2</sup>	125
16 85 125 SB	060444	8.0 - 13.0	round cable. e. g.: 3 x 1.5 mm <sup>2</sup> up to 5 x 2.5 mm <sup>2</sup>	125
16 90 130 SB	076940	8.0 - 13.0	round cable. e. g.: 3 x 1.5 mm <sup>2</sup> up to 5 x 2.5 mm <sup>2</sup>	130

### Stripping Tool for coax cables

- for dismantling and stripping all common coax cables between 4.8 - 7.5 mm dia. (e.g. for TV- and satellite antenna), also suitable for PVC round cable 3 x 0.75 mm<sup>2</sup>
- with length scale 5.0 - 20.0 mm
- body: plastic, fibreglass-reinforced

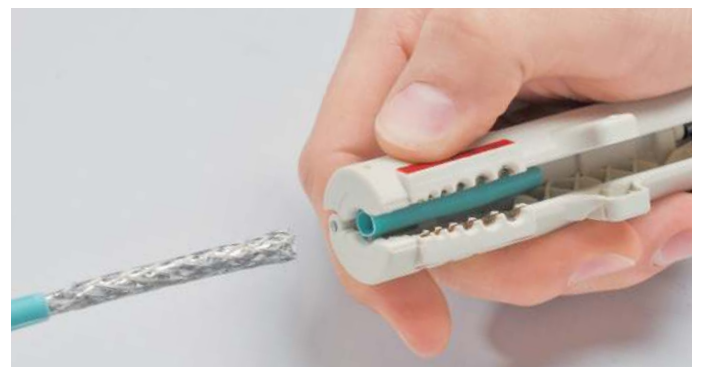


Article No.	EAN 4003773-	Stripping capacities		↔ mm
		Ø mm	mm <sup>2</sup>	
16 60 100 SB	040811	4.8 - 7.5	3 x 0.75	100

### Dismantling Tool for data cables

- for stripping UTP and STP data cables with diameters of 4.5 to 10.0 mm
- stripping device for cross-sections 0.2 / 0.3 / 0.8 / 1.5 / 2.5 / 4 mm<sup>2</sup>
- body: plastic, fibreglass-reinforced

Article No.	EAN 4003773-	Stripping capacities		↔ mm
		Ø mm	mm <sup>2</sup>	
16 65 125 SB	043157	4.5 - 10.0	0.2 - 4	125



### PreciForce® Crimping Pliers

- repetitive, high crimping quality due to precision dies and integral lock (self-releasing mechanism)
- crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
- optimum transmission of force thanks to toggle lever for fatigue-reduced operation
- good handling thanks to favourable handle position, low weight, compact design and ergonomically shaped handles
- Chrome vanadium electric steel in special quality, oil-hardened



97 52 38



97 52 36



Article No.	EAN 4003773-	Icon	Icon	Capacity		↔ mm
				mm <sup>2</sup>	AWG	
97 52 36	051893			0.5 - 6	20 - 10	220
97 52 38	051909			0.25 - 6	23 - 10	220

### MultiCrimp® Crimping Pliers with changer magazine

Now also for insulated and non-insulated end sleeves (ferrules) 10 / 16 / 25 mm<sup>2</sup>

Universal indent crimping die for non-insulated connectors

- just one tool for the most common crimping applications
- crimping dies changed quickly and easily without any additional tool
- sorted and protected storage of the interchangeable dies in a round magazine
- comfortable, powerful crimping pliers in professional quality
- same reliable crimping results as with fixed crimping dies
- repetitive, high crimping quality due to precision dies and integral lock (self-releasing mechanism)



available from 09/2014






Article No.	EAN 4003773-	Icon	Icon	Applications	Capacity mm <sup>2</sup>	AWG	↔ mm
97 33 02	066934			KNIPEX MultiCrimp®			250
				non-insulated open plug type connectors (plug width 4.8 + 6.3 mm)	0.5 - 1 1.5 - 2.5 4 - 6	20 - 10	
				insulated terminals, plug connectors + butt connectors	0.5 - 1 1.5 - 2.5 4 - 6	20 - 10	
				insulated and non-insulated end sleeves (ferrules)	0.25 - 0.75 1 - 1.5 2.5 4 6	23 - 10	
				insulated and non-insulated end sleeves (ferrules)	10 / 16 / 25	7 / 5 / 3	
				non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267	0.5 - 1 1.5 - 2.5 4 - 6 10	20 - 7	

## Crimp System Pliers for exchangeable crimping dies

- just one tool for almost 1000 crimping applications
- almost parallel crimping die movement
- repetitive, high crimping quality due to precision dies and integral lock (self-releasing mechanism)
- crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
- optimum transmission of force due to lever action for fatigue-reduced operation
- ergonomically designed handles
- different locators for precise positioning of the connectors
- crimping dies for applications not covered in the range offered here, may be available on request
- Chrome vanadium electric steel in special quality, oil-hardened



97 43 200 A

Article No.	EAN 4003773-	Applications	Capacity		↔ mm
			mm <sup>2</sup>	AWG	
97 43 200 A	071587	for exchangeable crimping dies*			200
97 43 200	030812	Crimp System Pliers in a plastic case			200
97 43 05	030867	  	0.5 - 6	20 - 10	200
97 43 06	030836	 	0.5 - 6	20 - 10	200

\* Further crimping dies: [www.knipex.com](http://www.knipex.com)

## 97 43 200

- comes in a plastic case; foam insert with recesses for crimping dies and locators; with service tool (Allen key), screws and nuts
- without crimping dies

## 97 43 200 A

- pliers without crimping dies, without case

## 97 43 05

- with attached crimping dies for non-insulated open plug-type connectors (4.8 and 6.3 mm connector width)

## 97 43 06

- with attached crimping dies for insulated terminals and plug connectors



97 43 200









## Crimping Pliers short design

- repetitive, high crimping quality due to precision dies and integral lock (self-releasing mechanism)
- crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
- optimum transmission of force thanks to toggle lever for fatigue-reduced operation
- good handling due to 20° angled head, low weight and short design
- Chrome vanadium electric steel in special quality, oil-hardened

## 97 52 14

- available as accessory: locator for non-insulated open plug-type connectors



Article No.	EAN 4003773-	Applications	Capacity mm <sup>2</sup>	AWG	↔ mm
97 52 14	026808	   	0.1 - 1.5	27 - 16	195
97 52 20	026853	   	5		195



### Self-Adjusting Crimping Pliers for end sleeves (ferrules)

(PAT. PEND.)

Square compression now additionally also for end sleeves (ferrules) up to 16 mm<sup>2</sup>

Manual force reduced by 20 %

Narrow handle width and improved ergonomics

Square Crimping  
from 0.08 – 16 mm<sup>2</sup>



Switch button for 16 mm<sup>2</sup>

Crimping capacity can be switched over simply from 10 mm<sup>2</sup> to 16 mm<sup>2</sup>

#### Model 97 53 04

Square compression for ideal contact surfaces in the clamp connection



Article No.	EAN 4003773-		Applications	Capacity mm <sup>2</sup>	AWG	↔ mm
97 53 04	028017		insulated + non-insulated end sleeves (ferrules)	0.08 - 10 + 16	28 - 7 + 5	180

- for crimping end sleeves (ferrules) according to DIN 46228 parts 1 + 4
- self-adjustment to the size of end sleeves (ferrules) required
- fits all twin- ferrules within the application range
- repetitive, high crimping quality due to integral lock (self-releasing mechanism)
- tools have been set precisely (calibrated) in the factory
- optimum transmission of force thanks to toggle lever for fatigue-reduced operation
- handy shape and low weight provide high operation comfort

### Self-Adjusting Crimping Pliers for end sleeves (ferrules)

(PAT. PEND.)

Expanded capacity of hexagonal crimping up to 10 mm<sup>2</sup>

Narrow handle width and improved ergonomics

Hexagonal compression  
from 0.08 - 10 mm<sup>2</sup>



Article No.	EAN 4003773-		Applications	Capacity mm <sup>2</sup>	AWG	↔ mm
97 53 14	041474		insulated + non-insulated end sleeves (ferrules)	0.08 - 10	28 - 7	180



#### Model 97 53 14

Hexagonal compression for confined connection dimensions

### Four-Mandrel Crimping Pliers for turned contacts

- for crimping turned contacts
- four-mandrel crimping for top-quality crimping connections
- mandrel gauge to check the basic setting
- repetitive, high crimping quality due to integral lock (self-releasing mechanism)
- optimum transmission of force due to highly effective lever action for fatigue-reduced operation
- high operation comfort thanks to handy shape
- fine adjustment of pressure depending on the conductor's diameter by means of adjusting wheel
- locator for positioning the contacts
- with table for calculating the settings
- pliers in a plastic case with foam insert



Article No.	EAN 4003773-		Applications	Capacity mm <sup>2</sup>	↔ mm
97 52 65	045236		turned contacts (Harting; Ilme; Phoenix; Amphenol; Walther; HTS; Contact; Weidmüller)	0.14 - 6	230

### Crimping Pliers for end sleeves (ferrules)

- for crimping end sleeves (ferrules) according DIN 46228 parts 1 + 4 in the range from 0.25 up to 2.5 mm<sup>2</sup>
- crimping in marked trapezoidal dies for reliable connections between the sleeve and the conductor
- Vanadium electric steel; forged, oil-hardened



Article No.	EAN 4003773-		Capacity mm <sup>2</sup>	AWG	Number of crimping positions	↔ mm
97 61 145 A	035558		0.25 - 2.5	23 - 13	4	145
97 68 145 A	071754		0.25 - 2.5	23 - 13	4	145



### Crimping Pliers for end sleeves (ferrules)

Now also as VDE version

30 % easier crimping due to improved leverage

More light and slim design

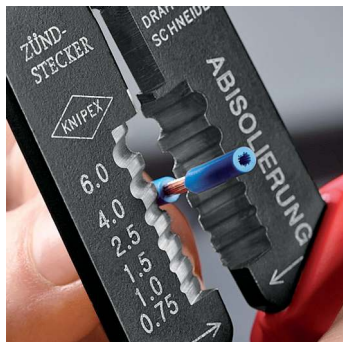
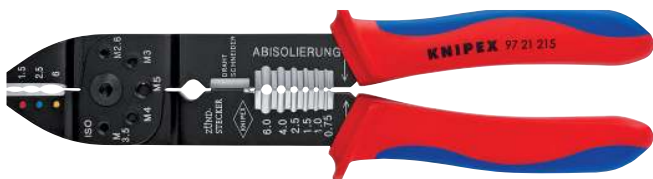
- for crimping end sleeves (ferrules) according DIN 46228 parts 1 + 4 from 0.25 to 16 mm<sup>2</sup>
- 9 particularly deep dies with conical side faces



Article No.	EAN 4003773-		Capacity		Number of crimping positions	↔ mm
			mm <sup>2</sup>	AWG		
97 71 180	040668		0.25 - 16	23 - 5	9	180
97 78 180	072003		0.25 - 16	23 - 5	9	180

### Crimping Pliers

- for cutting cables, stripping wire and crimping insulated and non-insulated terminals, connectors and plug type connectors



Article No.	EAN 4003773-	Applications	Capacity		↔ mm
			mm <sup>2</sup>	AWG	
97 21 215	019688		0.75 - 6	18 - 10	230
97 21 215 B	019695		0.5 - 2.5	20 - 13	230
97 21 215 C	019701		0.5 - 6	20 - 10	230
97 22 240	070726		0.75 - 6	18 - 10	240
			0.5 - 6	20 - 10	

### Crimping Pliers for Western plugs

- professional tool for cutting and stripping unshielded ribbon telephone cables
- for crimping 6- and 8-pole Western plugs type RJ 11/12 (9.65 mm width) and type RJ 45 (11.68 mm width)
- exact crimping process due to parallel crimping
- repetitive, high crimping quality due to integral lock (self-releasing mechanism)
- with length cutter and dismantling knife for ribbon cables 6 and 12 mm length
- with additional stripping device for round cables
- Chrome vanadium electric steel in special quality, oil-hardened



Article No.	EAN 4003773-	Applications	Capacity	↔ mm
97 51 10	043171		6- and 8-poles	220
97 51 12	043188		4-, 6- and 8-poles	220

### Compression Tool for Coax connectors

- for crimping F, BNC and RCA connectors
- robust design
- suitable for RG 59 / 6 / 11 cable
- rotatable head for different cable sizes
- rotatable insert for various types of connector
- adjusting screw for various connector lengths



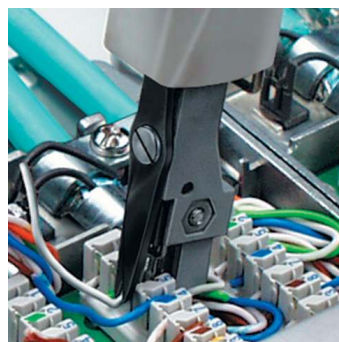
97 40 20 SB

Article No.	EAN 4003773-	Applications	↔ mm
97 40 20 SB	077626	for F, BNC and RCA connectors	175



### Insertion tool for LSA-Plus and identical

- tool for putting on boards, sockets and fields
- pushing down and cutting in one operation
- for UTP and STP cables, conductor 0.4 - 0.8 mm dia.
- with integrated pulling hook and release blade



Article No.	EAN 4003773-	Applications	Capacity Ø mm	↔ mm
97 40 10	044895	UTP- and STP-cables, LSA-Plus and identical	0.4 - 0.8	175

## Crimp Assortments for end sleeves (ferrules)



97 90 05



97 90 06



97 90 09



97 90 10



97 90 12



97 90 23



97 90 24



- in a TANOS MINI-systainer® (solid plastic box)
- T-Loc fastener for one-handed operation: open or close the systainer® with one turn and connect to a second systainer®
- opening when connected: fast and simple access to content without disconnecting
- two stackable plastic inserts with 6 trays each for connectors
- with an assortment of end sleeves (ferrules) with/without collar

**97 90 05**  
with crimping pliers for end sleeves  
97 71 180

**97 90 06**  
with crimping pliers for end sleeves  
97 71 180

**97 90 09**  
with Self-Adjusting Crimping Pliers for  
End Sleeves (ferrules) 97 53 04

**97 90 10**  
with Self-Adjusting Insulation Stripper  
12 40 200; with Self-Adjusting Crimping  
Pliers for End Sleeves (ferrules) 97 53 04

**97 90 12**  
with Self-Adjusting Insulation Stripper  
12 40 200; with Self-Adjusting Crimping  
Pliers for End Sleeves (ferrules)  
97 53 08

**97 90 23**  
with Crimping Pliers PreciForce® for  
End Sleeves (ferrules) 97 52 38

**97 90 24**  
with Self-Adapting Universal Insulation  
Stripper Multistrip 10 12 42 195;  
with Self-Adjusting Crimping Pliers for  
End Sleeves (ferrules) 97 53 08

Article No.	EAN 4003773-	Pliers		200 x mm <sup>2</sup>	150 x mm <sup>2</sup>	100 x mm <sup>2</sup>	75 x mm <sup>2</sup>	50 x mm <sup>2</sup>	40 x mm <sup>2</sup>
97 90 05	025535	97 71 180		0.5 / 0.75 / 1 / 1.5 / 2.5	4 / 6			10 / 16	
97 90 06	025542	97 71 180		0.5 / 0.75 / 1 / 1.5	2.5		4 / 6	10	16
97 90 09	028574	97 53 04		0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6		10	
97 90 10	046202	97 53 04 / 12 40 200		0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6		10	
97 90 12	048916	97 53 08 / 12 40 200		0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6		10	
97 90 23	062158	97 52 38		0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6			
97 90 24	062394	97 53 08 / 12 42 195		0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6		10	
97 90 00 LE	054009	TANOS MINI-systainer® empty							

## Crimp Assortments for cable connectors















**97 90 00**  
with Crimp Grip Pliers 97 00 215 A

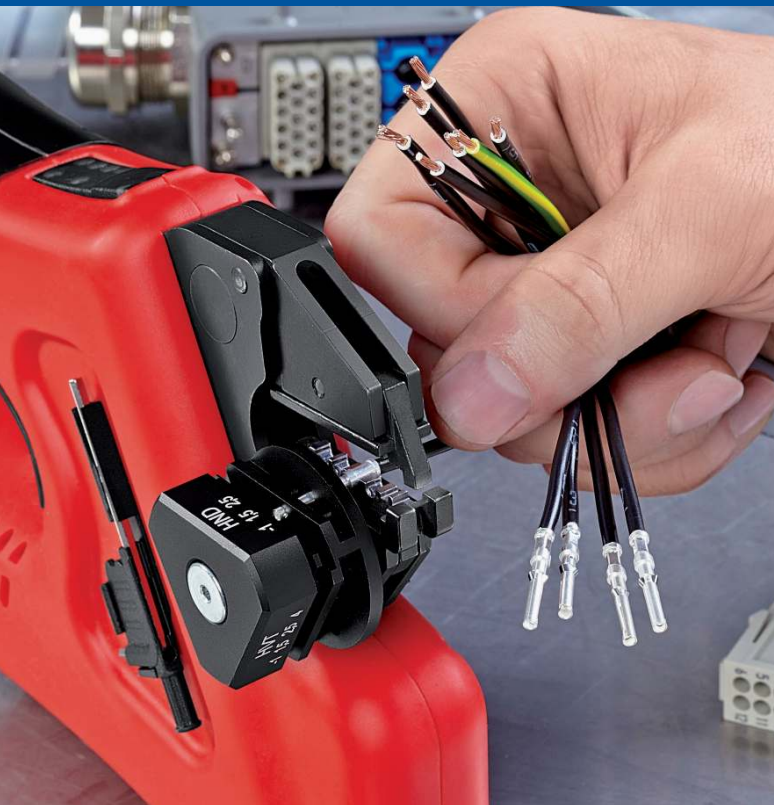
**97 90 01**  
with crimping pliers 97 32 225

**97 90 21**  
with Crimping Pliers PreciForce® 97 52 36  
(for insulated terminals and plug connectors)

**97 90 22**  
with Self-Adapting Universal Insulation  
Stripper Multistrip 10 12 42 195  
with Crimping Pliers PreciForce® 97 52 36  
(for insulated terminals and plug connectors)

**97 90 25**  
with crimping pliers 97 22 240

Article No.	EAN 4003773-		Pliers	Cable connectors	Quantity	Nominal size mm <sup>2</sup>				
97 90 00	025375		 97 00 215 A	Blade Terminal Sockets, 6.3 x 0.8 mm	25	4 - 6				
					25	1.5 - 2.5				
				Round Sockets, Ø 4 mm	25	0.5 - 1				
					25	0.5 - 1				
				Cable Connectors, eye type, Ø 4 mm	25	0.5 - 1				
					25	1.5 - 2.5				
				Cable Connectors, eye type, Ø 5 mm	25	1.5 - 2.5				
					25	4 - 6				
				Cable Connectors, eye type, Ø 6 mm	25	4 - 6				
				Butt Connectors, insulated, Red	25	0.5 - 1				
				Butt Connectors, insulated, Blue	25	1.5 - 2.5				
				Round Pin Plugs, Ø 4 mm	25	0.5 - 1				
				97 90 01	025382		 97 32 225	Blade Terminal Sockets, 6.3 x 0.8 mm	25	4 - 6
	25	1.5 - 2.5								
	25	0.5 - 1								
Cable Connectors, eye type, Ø 4 mm	25	0.5 - 1								
	25	1.5 - 2.5								
Cable Connectors, eye type, Ø 5 mm	25	1.5 - 2.5								
	25	4 - 6								
Cable Connectors, eye type, Ø 6 mm	25	4 - 6								
Butt Connectors, insulated, Red	25	0.5 - 1								
Butt Connectors, insulated, Blue	25	1.5 - 2.5								
Round Sockets, Ø 4 mm	25	0.5 - 1								
97 90 21	062134		 97 52 36					Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 - 1
									25	1.5 - 2.5
				Cable Connectors, eye type, Ø 4 mm	25	0.5 - 1				
				Cable Connectors, eye type, Ø 5 mm	25	0.5 - 1				
				Cable Connectors, eye type, Ø 6 mm	25	4 - 6				
				Cable Connectors, eye type, Ø 8 mm	25	4 - 6				
				Cable Connectors, eye type, Ø 4 mm	25	1.5 - 2.5				
				Cable Connectors, eye type, Ø 5 mm	25	1.5 - 2.5				
				Cable Connectors, eye type, Ø 6 mm	25	1.5 - 2.5				
				Butt Connectors, insulated, Red	25	0.5 - 1				
				Butt Connectors, insulated, Yellow	25	4 - 6				
				Butt Connectors, insulated, Blue	25	1.5 - 2.5				
				97 90 22	062141		 97 52 36   12 42 195	Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 - 1
	25	1.5 - 2.5								
Cable Connectors, eye type, Ø 4 mm	25	0.5 - 1								
Cable Connectors, eye type, Ø 5 mm	25	0.5 - 1								
Cable Connectors, eye type, Ø 4 mm	25	1.5 - 2.5								
Cable Connectors, eye type, Ø 5 mm	25	1.5 - 2.5								
Cable Connectors, eye type, Ø 6 mm	25	1.5 - 2.5								
	25	4 - 6								
Cable Connectors, eye type, Ø 8 mm	25	4 - 6								
Butt Connectors, insulated, Red	25	0.5 - 1								
Butt Connectors, insulated, Blue	25	1.5 - 2.5								
Butt Connectors, insulated, Yellow	25	4 - 6								
97 90 25	076971	 	 97 22 240					Non-Insulated Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 - 1.5
					25	1 - 2.5				
					25	0.5 - 1				
				Blade Terminal Sockets, 6.3 x 0.8 mm	25	1.5 - 2.5				
					25	4 - 6				
				Blade Terminal Plugs, 6.3 x 0.8 mm	25	0.5 - 1				
					25	1.5 - 2.5				
				Cable Connectors, eye type, Ø 4 mm	25	0.5 - 1				
					25	1.5 - 2.5				
				Butt Connectors, insulated, Red	25	0.5 - 1				
				Butt Connectors, insulated, Blue	25	1.5 - 2.5				
				Butt Connectors, insulated, Yellow	25	4 - 6				
				97 90 00 LE	054009	TANOS MINI-systainer®				



## KNIPEX eCrimp

Electromechanically actuated crimping pliers for safe crimping of solid terminals up to 25 mm<sup>2</sup> and end sleeves (ferrules) up to 50 mm<sup>2</sup>.

- strong electromechanical drive, no hydraulic components, no leakages
- possible use of over 40 KNIPEX crimping dies and locators as well as more than 1000 special crimping dies from the proven Crimp System Pliers (97 43 200)
- ergonomically optimised, user-friendly working height during workshop operation
- LED working light for targeted illumination of the crimping area
- low noise level
- long servicing intervals (up to 25,000 crimping actions)!  
The KNIPEX eCrimp is designed to only require servicing after 25,000 crimping actions. This means the intervals between servicing the electromechanical crimping pliers is 2.5 : 1 in relation to conventionally actuated crimping pliers. The pliers are therefore available for crimping use for considerably longer. They do not need to be sent away frequently for servicing. High availability without downtimes while being serviced.
- powerful li-ion rechargeable battery (12 V; 1.5 Ah; 18 Wh); charge time approx. 30 min; no memory effect

Product video



Article No.	EAN 4003773-	Mains voltage/frequency	Connector socket
97 43 E	076858	230 V / 50 Hz	CEE 7/16













































































## Locators

Article No.	EAN 4003773-	Applications
97 49 59 1	073741	Locators for 97 49 59 (Solar cable connectors Helios H4)
97 49 65 1	066729	Locators for 97 49 65 (Solar cable connectors MC3)
97 49 66 1	066736	Locators for 97 49 66 (Solar cable connectors MC4)
97 49 68 1	066743	Locators for 97 49 68 (Solar cable connectors Solarlok)
97 49 69 11	072133	Locators for 97 49 69 1 and 97 49 69 2
97 49 71 1	075073	Locators for 97 49 71 (Solar cable connectors MC4)
97 49 72 1	076964	Locators for 97 49 72 (Solar cable connectors MC3)
97 49 90	031017	Locators for 97 49 60 (HTS + Harting)
97 49 93	047926	Locators for 97 49 24 (D-Sub-plugs)
97 49 94	030997	Locators for 97 49 04 / 97 52 04 / 97 52 34
97 49 95	031000	Locators for 97 49 05 / 97 52 05 / 97 52 35

## Crimping Dies for Crimp System Pliers

for different applications (1,000 special crimping dies upon request)

Article No.	EAN 4003773-			Applications	Capacity mm <sup>2</sup>	AWG	Capacity SW mm	Sleeves Ø mm	Number of crimping positions
97 49 04	030850			non-insulated open plug type connectors	0.1 - 2.5	27 - 13			4
97 49 05	030867			non-insulated open plug type connectors	0.5 - 6	20 - 10			3
97 49 06	030836			insulated terminals, plug connectors and butt connectors	0.5 - 6	20 - 10			3
97 49 08	030874			insulated and non-insulated end sleeves (ferrules)	0.25 - 6	23 - 10			5
97 49 09	030881			insulated and non-insulated end sleeves (ferrules)	10 / 16 / 25	7 / 5 / 3			3
97 49 10	076896			non-insulated tubular cable lugs and crimp terminals in accordance with DIN 46237 and non-insulated butt and crimp connectors in accordance with DIN 46341	0.5 - 0.75 / 1.0 - 1.5 / 2.5	13 / 15-17 / 19-20			3
97 49 11	076902			non-insulated tubular cable lugs and crimp terminals in accordance with DIN 46237 and non-insulated butt and crimp connectors in accordance with DIN 46341	4 / 6 / 10	7 / 10 / 11			3
97 49 13	030843			uninsulated terminals, plug connectors and butt connectors	0.5 - 10	20 - 7			4
97 49 15	043164			plug connectors (plug width 6.3 mm) and non-insulated open plug type connectors (plug width 4.8 mm)	1.25 - 2.5 + 3 - 6	17 - 13; 12 - 9			2 + 1
97 49 16	040675			insulated terminals, plug connectors and butt connectors	10 - 16	7 / 5			2
97 49 18	063186			twin end sleeves	2 x 6 / 10 / 16	10 / 7 / 5			3
97 49 19	030898			insulated and non-insulated end sleeves (ferrules)	35 - 50	2 / 0			2
97 49 20	045069			F-connectors for TV and satellite connections			7.0 / 8.4 / 8.1	7.7 / 9.5 / 9.5	3
97 49 23	052135			uninsulated terminals, plug connectors and butt connectors	16 + 25	5 + 3			2
97 49 24	030911			D-Sub; HD 20; HDE plugs	0.03 - 0.56	32 - 20			3
97 49 30	030904			compression joints according	1.5 - 4 6 + 10*	15 - 7			5
97 49 35	034315			spark plug connectors and distributors	1	17			5
97 49 40	030959			Coax connectors RG 58, 59, 62, 71, 223			5.4 / 6.48 / 1.72	6.4 / 7.6 / 2.1	3
97 49 44	041443			rolled contacts	0.14 - 1.5	26 - 15			3
97 49 50	030966			Coax connectors/Car phone RG 58, 174, 188, 316			3.25 / 4.52 / 5.41 / 1.72 / 1.07	3.9 / 5.4 / 6.4 / 2.1 / 1.3 / 0.95	6
97 49 54	041450			modular plugs	0.5 - 2.5	20 - 13			4
97 49 59	073734			Solar cable connectors Helios H4 (Amphenol)	2.5 + 4 + 6	13 - 10			3
97 49 60	030928			turned contacts (HTS + Harting)	0.14 - 4	26 - 11			4
97 49 61	045137			turned contacts	1.5 / 2.5 / 4 / 6	10 / 11 / 13 / 15			
97 49 62	063179			Solar cable connectors (Huber + Suhner)	2.5 + 4	13 + 11			3
97 49 63	066675			Solar cable connectors (Huber + Suhner)	4 + 6	11 + 10			3
97 49 64	044055			ABS connectors in motor vehicles	1 - 6	17 - 10			2
97 49 65	066682			Solar cable connectors MC3 (Multi-Contact)	2.5 - 6	13 - 10			3
97 49 66	066699			Solar cable connectors MC4 (Multi-Contact)	2.5 - 6	13 - 10			3
97 49 66 4	072096			Solar cable connectors MC4 (Multi-Contact) cutting – stripping – crimping	4	11			1
97 49 66 6	072102			Solar cable connectors MC4 (Multi-Contact) cutting – stripping – crimping	6	10			1
97 49 67	066705			Solar cable connectors (Hirschmann)	2.5 - 6	13 - 10			3
97 49 68	066712			Solar cable connectors (Tyco)	1.5 - 6	15 - 10			4
97 49 69 1	072119			Solar cable connectors (Wieland)	1.5 - 2.5	15 + 13			2
97 49 69 2	072126			Solar cable connectors (Wieland)	4 - 10	11 - 7			3
97 49 70	030942			Western plugs	4 / 6 / 8-pollig RJ 10 / 11 / 12 / 45				3
97 49 72	076957			Solar cable connectors MC3 (Multi-Contact)	4 / 6 / 10	7 / 10 / 11			3

\* compression joints in conformance to DIN 46267



Huber + Suhner  
Multi-Contact  
Hirschmann  
Tyco  
Wieland

### Tool Case for Photovoltaics

- with tools for photovoltaics
- without crimping dies – please order separately for individual assortment
- with service tools (hexagonal key) for the change of crimping dies

With crimping dies  
for MC3 connectors



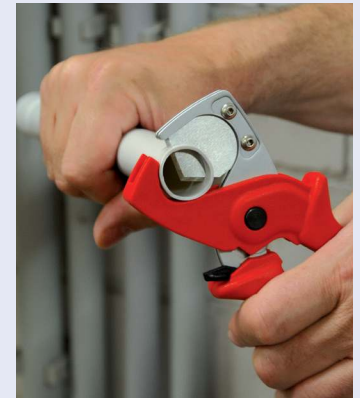
Article No.	EAN 4003773-	Content
97 91 01	070351	12 12 11 Precision Insulation Stripper
		95 16 165 Cable Shears
		97 43 200 Crimp System Pliers

Article No.	EAN 4003773-	Content
97 91 02	074083	12 12 11 Precision Insulation Stripper
		95 16 165 Cable Shears
		97 43 200 Crimp System Pliers
		97 49 65 Crimping dies*
		97 49 65 1 Locator for 97 49 65 (solar cable connectors MC3)
		97 49 65 2 Mounting Tool for MC3 connectors



### Pipe Cutter for plastic conduit pipes and hoses

- for cutting thin walled plastic pipes (conduit plastic pipes) and flexible hoses, also with fabric reinforcement, of plastic and rubber up to 25 mm dia. / 1" exterior dia.
- not suitable for cutting cables
- with opening spring and locking device
- tool body: plastic, fibreglass-reinforced
- blades: special tool steel, oil-hardened, interchangeable



Article No.	EAN 4003773-		Cutting capacities Ø mm	↔ mm
90 20 185	067122	MM	25.0	185

### Pipe Cutter for plastic conduit pipes

- for clean cutting of plastic pipes (e.g. plastic conduit pipes) with 6 - 35 mm dia.
- not suitable for cutting cables
- blade is replaceable and can be retracted from any position
- low force requirement due to special blade geometry and optimum transmission
- minimum operator fatigue due to ergonomic handle design and incremental ratchet blade feed



Article No.	EAN 4003773-		Cutting capacities Ø mm	Cutting edge length mm	↔ mm
94 10 185	047025	MM	6.0 - 35.0	35.0	185



PATENTED

### Vinyl Shears

- for cutting and shortening cable ducts, also for plastic material up to 4.0 mm thickness
- special lever transmission
- very effective blade geometry
- tool body: high-grade chrome vanadium electric steel, oil-hardened

Article No.	EAN 4003773-	Blade length mm	↔ mm
95 02 21	052128	110	275

### Combination Shears

- for cutting cardboard, plastics, aluminium, brass and copper foils
- precision ground, hardened blades
- with opening spring and locking device
- not suitable for steel wire or iron sheets
- shears body: surgical steel, stainless, vacuum-hardened



Article No.	EAN 4003773-		↔ mm
95 05 190	019602	MM	190

### Notching Pliers

- special pliers for notching recesses into plastic ledges and plastic casings for electric and sanitary installation
- notches can be enlarged by initial and final cut
- clean cut edges – no trimming activities needed
- with opening spring, opening limiter and locking lever

Article No.	EAN 4003773-		Capacity mm	↔ mm
90 61 20	051954	MM	20 x 29	250



PATENTED

Article No.	EAN 4003773-	Content
98 99 11	026624	1 x 03 07 200 / 1 x 70 07 160 / 1 x 98 20 35 / 1 x 98 20 40 / 1 x 98 20 55 / 1 x 98 24 00 / 1 x 98 42 / 1 x 98 45 125 / 1 x 98 45 250 / 1 x 98 47 10 / 1 x 98 47 11 / 1 x 98 47 12 / 1 x 98 47 13 / 1 x 98 47 14 / 1 x 98 47 17 / 1 x 98 47 19 / 1 x 98 52

### Compact Tool Case, 17 parts

with insulated tools for works on electrical installations



Article No.	EAN 4003773-	Content
98 99 12	026631	1 x 03 07 200 / 1 x 70 07 160 / 1 x 98 00 10 / 1 x 98 00 11 / 1 x 98 00 12 / 1 x 98 00 13 / 1 x 98 00 14 / 1 x 98 00 17 / 1 x 98 00 19 / 1 x 98 53 03 / 1 x 98 20 25 / 1 x 98 20 35 / 1 x 98 20 40 / 1 x 98 20 55 / 1 x 98 24 00 / 1 x 98 24 01 / 1 x 98 24 02 / 1 x 98 40 / 1 x 98 47 10 / 1 x 98 47 11 / 1 x 98 47 12 / 1 x 98 47 13 / 1 x 98 47 14 / 1 x 98 47 17 / 1 x 98 47 19 / 1 x 98 52

### Standard Tool Case, 26 parts

with insulated tools for works on electrical installations



Article No.	EAN 4003773-	Content
98 99 13	026648	1 x 03 07 200 / 1 x 11 07 160 / 1 x 26 17 200 / 1 x 70 07 160 / 1 x 98 20 65 / 1 x 95 17 200 / 1 x 98 00 10 / 1 x 98 00 13 / 1 x 98 00 14 / 1 x 98 00 17 / 1 x 98 00 19 / 1 x 98 52 / 1 x 98 20 25 / 1 x 98 20 40 / 1 x 98 20 55

### Tool Roll, 15 parts

with insulated tools for works on electrical installations



Article No.	EAN 4003773-	Content
00 21 15	024804	1 x 03 06 180 / 1 x 26 16 200 / 1 x 70 06 160 / 88 03 180 / 3 x Wera Screwdrivers
00 21 15 LE	045175	without tools

### Tool Box, 7 parts, for electrical contractors

with 4 KNIPEX-pliers and 3 WERA screwdrivers



Article No.	EAN 4003773-	Content
00 20 12	012412	1 x 03 06 180 / 1 x 26 16 200 / 1 x 70 06 160

### VDE Tool Set

pliers VDE-tested in conformance with DIN EN/IEC 60900 1000V, pliers chrome-plated; handles with multi-component grips



Article No.	EAN 4003773-	Content
00 20 13	043287	KNIPEX: 1 x 26 16 200 / 1 x 70 06 160 Wera: 1 x 00 61 10 / 1 x 00 61 20 / 1 x 00 61 54

### VDE Tool Set

pliers VDE-tested in conformance with DIN EN/IEC 60900 1000V, pliers chrome-plated; handles with multi-component grips



Article No.	EAN 4003773-	Content
98 99 14	026655	1 x 03 07 200 / 1 x 11 17 160 / 1 x 70 07 160 / 1 x 88 07 250 / 1 x 95 17 200 / 1 x 98 00 10 / 1 x 98 00 13 / 1 x 98 00 14 / 1 x 98 00 17 / 1 x 98 00 19 / 1 x 98 00 22 / 1 x 98 01 10 / 1 x 98 01 13 / 1 x 98 01 14 / 1 x 98 01 17 / 1 x 98 01 19 / 1 x 98 01 22 / 3 x 98 67 05 / 1 x 98 20 25 / 1 x 98 20 40 / 1 x 98 20 55 / 1 x 98 20 65 / 1 x 98 24 01 / 1 x 98 24 02 / 1 x 98 40 / 1 x 98 42 / 1 x 98 45 125 / 1 x 98 45 250 / 1 x 98 47 10 / 1 x 98 47 11 / 1 x 98 47 12 / 1 x 98 47 13 / 1 x 98 47 14 / 1 x 98 47 17 / 1 x 98 47 19 / 1 x 98 47 22 / 1 x 98 47 24 / 1 x 98 52 / 1 x 98 53 03 / 6 x 98 64 02 / 1 x 98 65 40

### Universal Tool Case, 48 parts

with insulated tools for works on electrical installations



Article No.	EAN 4003773-	Content
00 21 01 TL	050162	1 x 03 06 180 / 11 06 160 / 25 06 160 / 70 06 160 / 98 52 / Haunstätter PUK®-Junior Hacksaw / Nöle Plasterer's bowl / Wera Screwdrivers for slotted screws 1 x 0.4 x 2.5 x 80 mm; 1 x 0.6 x 3.5 x 100 mm; 1 1.0 x 5.5 x 125 mm; 1 x 1.2 x 6.5 x 150 mm / Wera Screwdrivers Kraftform Plus, cross recessed Phillips® 1 x PH1 x 80 mm; 1 x PH2 x 100 mm / Wera Screwdrivers for slotted screws 1 x 1.0 x 6.0 x 125 mm; 1x 1.2 x 6.5 x 150 mm / 16 20 165 / Picard Locksmith's hammer / Picard Chipping hammer / Picard Flat brush / Painter's spatula / Picard Metre ruler (yardstick) / Rennsteig Electrician's Chisel / Rennsteig Mason's Chisels / Wera Voltage Detector

### Tool Bag, 24 parts

for electrical contractors, top model

contains 24 brand name quality tools, partly VDE tested according to DIN EN/IEC 60900, 1000 V; comfortable bag of hard-wearing leather, with front bag, adjustable retaining loops and belt



Article No.	EAN 4003773-	Content
00 21 02 SL	050162	1 x 03 05 180 / 11 05 160 / 16 20 165 / 25 05 160 / 70 05 160 / 98 52 / Plasterer's bowl Nöle / Haunstätter PUK® -Junior Hacksaw / Picard: Locksmith's hammer / Sledge hammer / Flat brush / Painter's spatula/ Carpenter's pencil / Rennsteig: Electrician's chisel / Mason's chisel / Wera Screwdrivers Kraftform Comfort for slotted screws 1 x 0.4 x 2.5 x 80 mm; 1 x 0.6 x 3.5 x 100 mm; 1 x 1.0 x 5.5 x 125 mm; 1 x 1.2 x 6.5 x 150 mm / Wera Screwdrivers Kraftform Comfort, cross recessed Phillips® 1 PH1 x 80 mm; Wera Screwdrivers Kraftform Comfort, cross recessed Pozidriv® 1 x PZ; 1 x 80 mm; 1 x PZ2 x 100 mm / Wera Voltage detector

### Tool Bag, 24 parts

apprentices tool bag for electrical contractors

contains 24 brand name quality tools, partly VDE tested according to DIN EN/IEC 60900, 1000 V; comfortable bag of hard-wearing leather, with front bag, adjustable retaining loops and belt



Article No.	EAN 4003773-	Content
00 21 20	052166	1 x 03 06 180 / 1 x 26 16 200 / 1 x 26 26 200 / 1 x 70 06 160 / 1 x 74 06 200 / 1 x 95 16 200 / 1 x 98 56 / 1 x 86 03 180 / 1 x 87 03 250 / 1 x 12 40 200 / 1 x 16 80 125 / 9 x Wera Screwdrivers

### Tool Case "Electric", 20 parts

with 11 KNIPEX tools and 9 WERA screwdrivers; hard-shell case of ABS material, with base tray, document compartment, cover plate, with surrounding aluminium frame



Article No.	EAN 4003773-	Content
00 21 30	052166	1 x 03 06 180 / 1 x 26 16 200 / 1 x 26 26 200 / 1 x 70 06 125 / 1 x 70 06 160 / 1 x 92 27 62 / 1 x 98 56 / 1 x 00 11 03 / 1 x 12 40 200 / 1 x 16 80 125 / 1 x 86 03 180 / 1 x 87 03 250 / 11 x Wera Screwdrivers

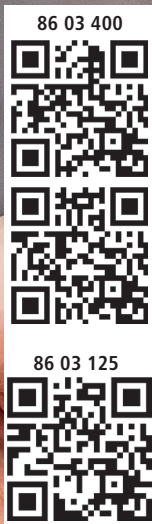
### Tool Case for electrical contractors, 23 parts

with 12 KNIPEX tools and 11 WERA screwdrivers; hard-wearing ABS hardshell construction with aluminium frame and circular buffer protection





**NEW**  
 The mini pliers wrench (125 mm):  
 for precision mechanics, particularly suitable  
 for working on small bolted connections,  
 very good access in very confined areas



**Pliers Wrenches**

pliers and a wrench in a single tool

- smooth jaws for damage free installation of plated fittings – working directly on chrome!
- also excellent for gripping, holding, pressing and bending workpieces
- replaces the need for sets of metric and imperial spanners
- zero backlash jaw pressure prevents damage to edges of sensitive components
- parallel jaws give a more solid grip; its design allows flexible adjustment of all widths up to the specified maximum size
- the ratchet type principle allows quick and easy tightening and release of all bolted connections
- lever transmission greater than 10 : 1 for strong gripping power
- Chrome vanadium electric steel, forged, oil-hardened



**NEW**  
 The unique installation tool now  
 also in 400 mm length, for opening  
 widths up to 85 mm / 3 3/8"



Article No.	EAN 4003773-	Adjustment positions	Inch	mm	mm
86 03 125	077497	11	7/8	23	125
86 03 150	069676	14	1	27	150
86 03 180	035466	13	1 3/8	35	180
86 03 250	033837	17	1 3/4	46	250
86 03 300	041429	22	2 3/8	60	300
86 03 400	077312	25	3 3/8	85	400
86 05 150	069928	14	1	27	150
86 05 180	047162	13	1 3/8	35	180
86 05 250	047841	17	1 3/4	46	250

## Cobra® – QuickSet Hightech Water Pump Pliers

Fully open, push, grab!

Additional fast adjustment on the workpiece by sliding the pliers handle

- combines the proven, reliable locking of the hinge bolt with an additional push function which makes it easier to work in very confined and inaccessible areas
- the adjustment directly on the workpiece is possible by simply sliding the pliers handle
- reliable locking of the hinge bolt with the first workload. The gripping width of the pliers is then fixed and can only be adjusted by pressing the button.
- to re-activate the sliding function, the hinge bolt must be released by pressing the push button and the pliers must be completely opened again
- Chrome vanadium electric steel, forged, oil-hardened

### 87 21 250

- with slim two-colour multi-component sleeves without collar for better handling and easier transport

Article No.	EAN 4003773-	Adjustment positions	Ø Inch	Ø mm	mm	mm
87 21 250	072775	25	2	50	46	250
87 22 250	077794	25	2	50	46	250



QuickSet



Press the button – open pliers completely



Position jaw – simply slide and close pliers



Hinge bolt locks itself with the first workload

## Cobra® – Hightech Water Pump Pliers

- push the button for adjustment on the workpiece
- fine adjustment for optimum adaptation to different sizes of workpieces and a comfortable handle width
- self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
- gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping



Article No.	EAN 4003773-	Adjustment positions	Ø Inch	Ø mm	mm	mm
87 01 125	069935	13	1	27	27	125
87 01 150	060116	11	1 1/4	32	30	150
87 01 180	022015	18	1 1/2	42	36	180
87 01 250	022022	25	2	50	46	250
87 01 300	034087	30	2 3/4	70	60	300
87 01 400	005636	27	3 1/2	90	95	400
87 01 560	044321	20	4 1/2	115	120	560



Fine adjustment by pushing a button



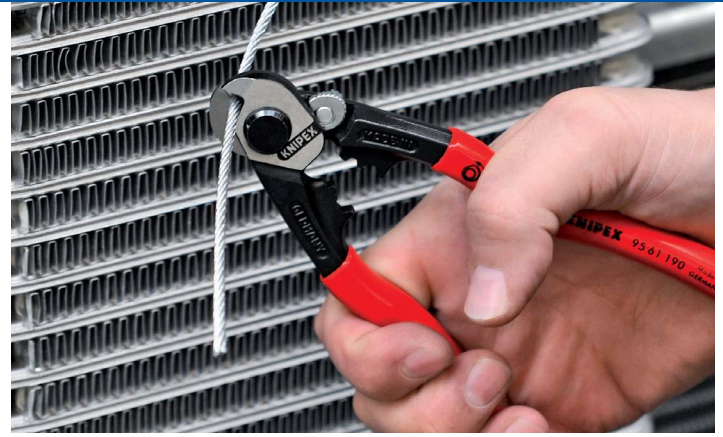
Cobra®-Set



Article No.	EAN 4003773-	Content
00 20 09 V02	074793	87 01 180, 87 01 250, 87 01 300

## Wire Rope Cutter, forged

- with two crimping dies for end caps on Bowden cable sheaths and end ferrules for traction cables
- bolted joint for precise blade guidance, re-adjustable
- high leverage for reduced effort
- cutting-edge hardness approx. 64 HRC
- Chrome vanadium heavy-duty steel, forged, oil-hardened



Article No.	EAN	Ø mm	Ø mm	Ø mm	Ø mm	mm
95 61 190	4003773-040651	7.0	6.0	4.0	2.5	190

## CoBolt® – Compact Bolt Cutters

### Improved cutting performance

Micro-structured cutting edge allows easy cutting of large cross-sections

With gripping surface below the joint for gripping and pulling wires with a diameter as from 1.0 mm

- precision cutting edges for soft and hard wire as well as piano wire
- cuts bolts, nails, rivets, etc. up to 5.2 mm dia.
- most efficient joint design ensures exceptional cutting performance
- cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC
- Chrome vanadium heavy-duty steel, forged, oil-hardened

### 71 12 / 22 / 32 200

- opening spring and locking device are integrated in the handles also for comfortable work and protected transport

### 71 22 200

- 20° angled head with single-sided joint bar and diagonal cutting edge for flush cutting; with space for gripping

### 71 32 200

- the recess in the blade allows easier cutting of thicker wires, e. g. for anchor bolts in false ceilings



Article No.	EAN		Ø mm	Ø mm	Ø mm	Ø mm	mm
71 01 200	033165		6.0	5.2	4.0	3.6	200
71 02 200	047056		6.0	5.2	4.0	3.6	200
71 12 200	066859		6.0	5.2	4.0	3.6	200
71 22 200	066873		6.0	5.2	4.0	3.6	200
71 32 200	066880		6.0	5.2	4.0	3.6	200



71 01 / 02 / 12 200  
micro-structured cutting edge



71 01 / 02 / 12 und 71 32 200  
gripping surface below the joint



$\angle 20^\circ$   
71 22 200

Product video



71 32 200





**PATENTED**

### SmartGrip® Water Pump Pliers with automatic adjustment

- ideal for frequent changeovers to workpieces of different sizes
- automatic adjustment per one-hand operation both for right-handed and left-handed use
- self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
- Chrome vanadium electric steel, forged, oil-hardened

Article No.	EAN 4003773-	Ø Inch	Ø mm	mm	mm
85 01 250	061304	1 1/4	32	36	250



### Pen-Style Control Cabinet Key for all standard cabinets and shut-off systems

- easy to carry pen-style control cabinet key with fastening clip
- four different key profiles can be utilised by swivelling the key holder
- universal 1/4" bit adapter for standard bits (permanent magnet for retaining)
- additional bit adapter for 1/4" bits inside one key profile
- with 2 reversible bits: cross recess PH2 / slot 7.0 x 1.2 mm and TX20 / TX25

**00 11 17**

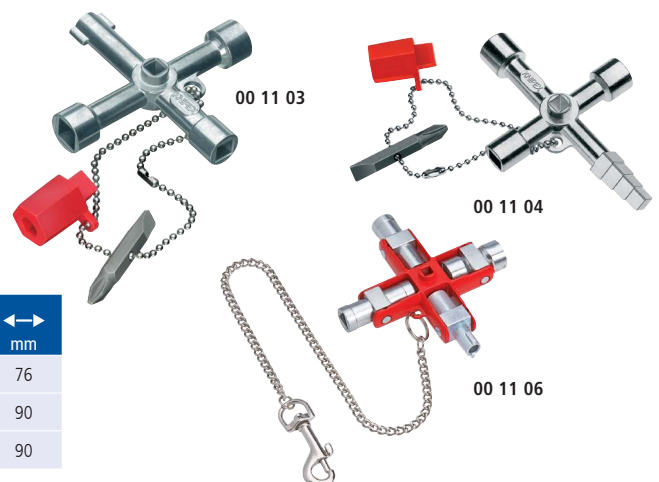
- contactless detection of alternating current with optical indication (red LED); range of voltage 50 - 600 V; frequency range 50 - 60 Hz
- contactless detection of magnetic fields with optical indication (green LED)
- battery saving automatic switch-off
- indicated by means of a bright LED: start-up self test, battery control and live conductor close-by
- with a reversible bit: cross recess PH / slot 7.0 x 1.2 mm

Article No.	EAN 4003773-	mm	mm	Ø mm	mm
00 11 07	063018	5 / 6 / 8	9	3 - 5	145
00 11 17	068396	6 / 8	9	3 - 5	155

### Control Cabinet Key

- for control cabinets and shut-off systems in the supply of gas, water and electricity
- for technical installations in buildings, e.g. air conditioning and ventilation systems, shut-off valves, mains switchboards, etc.
- with bit insert: slot 1.0 x 7 mm and cross recess PH2 (00 11 03 + 00 11 04)

Article No.	EAN 4003773-	mm	mm	Ø mm	mm	mm	mm
00 11 03	041658	5 / 6 / 8	9	3 - 5	-	-	76
00 11 04	048954	5 / 7 / 8	9 - 10	-	-	6 / 7 / 8 / 9	90
00 11 06	071334	5 / 6 / 7 - 8 / 9 - 10	7 / 8 - 9 / 10 - 11	3 - 5	6	-	90

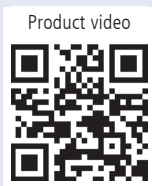




### TwinKey®

10 profiles. 2 crosses. 1 key. All established locking systems.  
For all standard cabinets and shut-off systems

- multifunctional key for the actuation of locking systems from the areas of facilities engineering (heating and sanitation, air conditioning, electro technology), gas and water supply and shut-off-systems
- 8-arm version: two 4-way spider keys connected in a space-saving way using magnets
- reversible bit: 1,0 x 7 mm slot and PH2 cross slot
- key and reversible bit joined by stable stainless steel wire
- weight-optimised zinc die-cast design



Article No.	EAN	mm	mm	mm	mm	mm	mm
00 11 01	074670	5 / 6 - 7 / 8 - 9 / 10 - 11	7 - 8 / 9 - 10 / 11 - 12	3 - 5	6	6 - 9	95

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