



KNIPEX Quality – Made in Germany

# PLIERS





# FORM FOLLOWS FUNCTION

Our new three component  
comfort handles

NEW



**KNIPEx**TEND .....





The new KNIPEX comfort handles

# Evolution of ergonomics

Starting this year, KNIPEX is switching from pliers with multi-component handles to the new comfort handles. This is where good things get better: A third component optimises the haptic properties and handling of our tools.\*



● Grey: soft component with special surface structure for more grip and control

● Blue: soft component for a secure and comfortable grip

● Red: high strength for maximum durability

● Inscription area for customisation is well protected against abrasion

✗ Two KNIPEXtend interfaces for extensions

**KNIPEX**TEND

\* For technical production reasons, KNIPEX is gradually switching to the comfort handles.  
Only the electrically insulated tools will initially remain with the proven and VDE-tested two-component handles.



# Your tool, your colour

Tag your tools with the KNIPEX ColorCode Clip



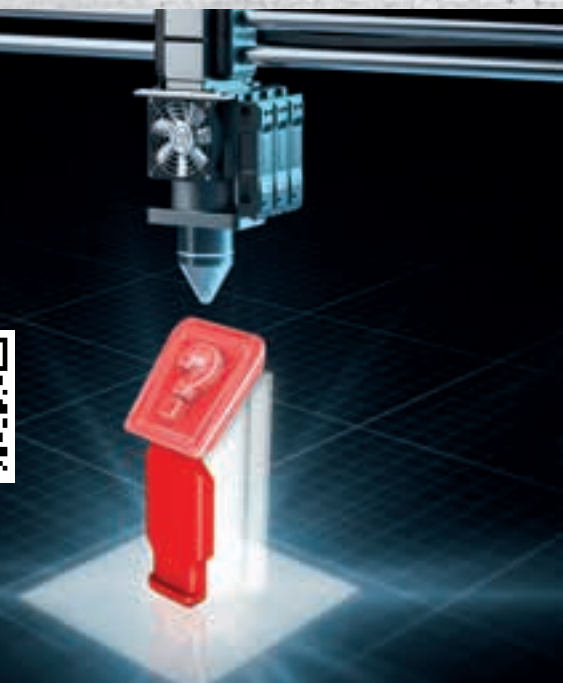
KNIPEX ColorCode Clips

## Your clip, your pliers, your idea!

For 3D printer fans:  
Use our data\* from [www.knipex.com](http://www.knipex.com)  
to realise your own clip ideas!



\* 3D data available from market launch





# KNIPEXTEND

## A safe connection

TetheredTool Clip: our link for fall protection.



KNIPEX TetheredTool Clip



Compliant with ANSI/ISEA 121-2018

ANSI = American National Standards Institute

ISEA = International Safety Equipment Association





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# COMBINATION PLIERS

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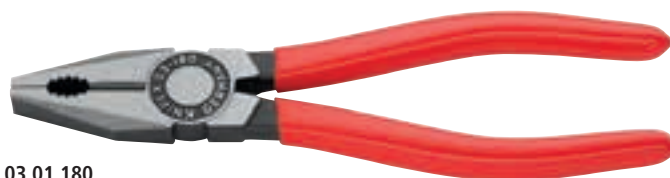


# Combination Pliers

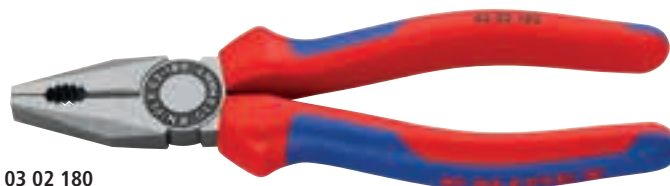
- > Long cutting edges for thicker cables
- > With gripping zones for flat and round material, suitable for versatile use
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC
- > With cutting edges for soft and hard wire
- > Special tool steel, forged, multi stage oil-hardened
- > DIN ISO 5746

## 03 06 180 T\*

- > Pliers with integrated, insulated tether attachment point for a tool tether



03 01 180



03 02 180



03 05 180



03 06 180 T



03 07 200



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				
							Ø mm	Ø mm	Ø mm	mm²	g
03 01 140	015192	140		black atramentized	polished	plastic coated	2.8	1.8	9.0	10	106
03 01 160	013235	160					3.1	2.0	10.0	16	187
03 01 180	013242	180					3.4	2.2	12.0	16	216
03 01 200	013259	200					3.8	2.5	13.0	16	276
03 01 250	015222	250					3.8	2.5	15.0	25	480
03 02 160	023203	160		black atramentized	polished	with multi-component grips	3.1	2.0	10.0	16	223
03 02 180	023197	180					3.4	2.2	12.0	16	254
03 02 200	034940	200					3.8	2.5	13.0	16	322
03 05 140	039730	140		chrome-plated	chrome-plated	with multi-component grips	2.8	1.8	9.0	10	139
03 05 160	039518	160					3.1	2.0	10.0	16	222
03 05 180	034933	180					3.4	2.2	12.0	16	254
03 05 200	041146	200					3.8	2.5	13.0	16	324
03 06 160	021902	160		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.1	2.0	10.0	16	228
03 06 180	021926	180					3.4	2.2	12.0	16	264
03 06 200	033776	200					3.8	2.5	13.0	16	355
03 06 180 T	081395	180		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	3.4	2.2	12.0	16	270
03 07 160	015307	160		chrome-plated	chrome-plated	with dipped insulation, VDE-tested	3.1	2.0	10.0	16	254
03 07 180	015314	180					3.4	2.2	12.0	16	285
03 07 200	015321	200					3.8	2.5	13.0	16	339
03 07 250	015345	250					3.8	2.5	15.0	25	597

# High Leverage Combination Pliers

- ▶ 35 % less effort required than with conventional combination pliers
- ▶ With cutting edges (hardness approx. 63 HRC) for heavy duty

- > Easier work due to optimised leverage
- > Easier cutting, powerful gripping, bending and pulling
- > Long cutting edges for thicker cables
- > With gripping zones for flat and round material, suitable for versatile use
- > Precise, minimal light gap between the gripping jaws to ensure optimal function of the cutting edges
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 63 HRC
- > High-grade special tool steel, forged, multi stage oil-hardened
- > DIN ISO 5746

## 02 02 225 T\*

- > Pliers with tether attachment point for a tool tether



02 01 200



02 02 180



02 02 225 T



02 05 180



02 06 180



02 07 225

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				
							Ø mm	Ø mm	Ø mm	mm²	g
02 01 180	033134	180		black atramentized	polished	plastic coated	2.5	2.0	11.5	16	202
02 01 200	039679	200					2.8	2.2	13.0	25	298
02 01 225	013198	225					3.0	2.5	14.0	25	355
02 02 180	034896	180		black atramentized	polished	with multi-component grips	2.5	2.0	11.5	16	240
02 02 200	034902	200					2.8	2.2	13.0	25	342
02 02 225	043379	225					3.0	2.5	14.0	25	405
02 02 225 T	079934	225		black atramentized	polished	with multi-component grips and integrated tether attachment point	3.0	2.5	14.0	25	410
02 05 180	043072	180		chrome-plated	chrome-plated	with multi-component grips	2.5	2.0	11.5	16	238
02 05 200	043089	200					2.8	2.2	13.0	25	342
02 05 225	010005	225					3.0	2.5	14.0	25	410
02 06 180	010012	180		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.5	2.0	11.5	16	247
02 06 200	010029	200					2.8	2.2	13.0	25	343
02 06 225	010036	225					3.0	2.5	14.0	25	425
02 07 200	022299	200		chrome-plated	chrome-plated	with dipped insulation, VDE-tested	2.8	2.2	13.0	25	380
02 07 225	022305	225					3.0	2.5	14.0	25	486

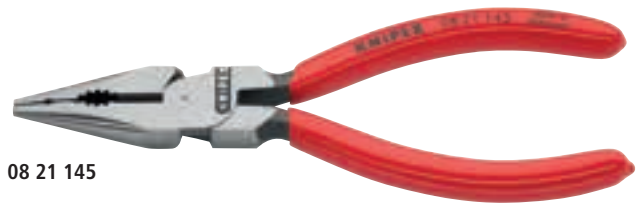
# Needle-Nose Combination Pliers

- ▶ Easy cutting due to the high leverage joint
- ▶ Handy use when working in confined areas due to slim head design and pointed jaws (anti-twist)
- ▶ Gripping surfaces with special convex contour on one side for secure gripping of flat parts

- > The reliable and diverse combination pliers when out and about
- > With cutting edges for soft, medium-hard and hard wire
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC
- > Long service life and stable tips
- > Milled groove in the gripping area permits small parts such as nails, pins and bolts to be held and pulled
- > Forged from special high grade tool steel, manifold oil-hardened
- > DIN ISO 5746

## 08 22 145 T\* / 08 26 145 T\*

- > Pliers with integrated insulated tether attachment point for a tool tether



08 21 145



08 22 145 T



08 25 145



08 26 145



08 21 185



08 22 185



08 25 185



08 26 185



Firm grip also on flat material due to three-point rest



Tip keeps its shape even during greater torsional forces







Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				
							Ø mm	Ø mm	Ø mm	mm²	g
<b>08 21 145</b>	078951	145	(PATENTED)	black atramentized	polished	plastic coated	3.0	2.0	8.0	16	116
<b>08 21 185</b>	088325	185	(PATENTED)	black atramentized	polished	plastic coated	3.8	3.0	13.0	25	213
<b>08 22 145</b>	078968	145	(PATENTED)	black atramentized	polished	with multi-component grips	3.0	2.0	8.0	16	145
<b>08 22 145 T</b>	080640	145	(PATENTED)	black atramentized	polished	with multi-component grips and integrated tether attachment point	3.0	2.0	8.0	16	150
<b>08 22 185</b>	088332	185	(PATENTED)	black atramentized	polished	with multi-component grips	3.8	3.0	13.0	25	213
<b>08 25 145</b>	078975	145	(PATENTED)	chrome-plated	chrome-plated	with multi-component grips	3.0	2.0	8.0	16	145
<b>08 25 185</b>	088349	185	(PATENTED)	chrome-plated	chrome-plated	with multi-component grips	3.8	3.0	13.0	25	213
<b>08 26 145</b>	079361	145	(PATENTED) 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.0	2.0	8.0	16	145
<b>08 26 145 T</b>	081401	145	(PATENTED) 	chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	3.0	2.0	8.0	16	155
<b>08 26 185</b>	088356	185	(PATENTED) 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.8	3.0	13.0	25	213



# Combination Pliers

## Chrome Vanadium

► For heavy duty use due to wear-resistant gripper jaws







- > With gripping zones for flat and round material, suitable for versatile use
- > With cutting edges for soft, hard and piano wire
- > Long cutting edges for thicker cables
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Particularly wear resistant gripping jaws; hardness of the gripping jaws approx. 53 HRC
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
- > DIN ISO 5746, DIN EN 60900, IEC 60900



01 06 160



01 06 190

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				Δ g
							Ø mm	Ø mm	Ø mm	mm²	
01 06 160	040729	160	  	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.0	1.5	10.0	16	220
01 06 190	040415	190	  				2.5	2.0	13.0	25	320


## Mini Combination Pliers

- Compact combination pliers for professionals and hobbyists
- Versatile areas of application: precision engineering, plumbing, an essential part of any bicycle or motor-cycle toolkit, EDC (Every Day Carry), model making

- > With gripping zones for flat and round material, suitable for versatile use
- > With cutting edges for soft and hard wire
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC
- > Vanadium electric steel, forged, multi stage oil-hardened



08 05 110

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				Δ g
							Ø mm	Ø mm	Ø mm	mm²	
08 05 110	034957	110	 	chrome-plated	chrome-plated	with multi-component grips	2.5	1.6	9.0	10	85

# Lineman's Pliers

- ▶ High transmission ratio for easy cutting
- ▶ Requires 50 % less effort compared with conventional combination pliers due to optimised transmission ratio

- > Solid construction for heaviest strain; universally applicable
- > Ergonomically optimised handle shape for firm contact to the hand and fatigue reducing operation
- > Particularly effective cross-hatched knurled gripping zone in the jaws – for strong gripping and pulling
- > Additional gripping zone below the joint for powerful leverage and pressing performance
- > With cutting edges for soft and hard wire
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 62 HRC
- > American style
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 5746
- > ASME B107.20

## 09 02 240 T\* / 09 12 240 T\*

- > Pliers with tether attachment point for mounting a fall protection system

## 09 11 240 / 09 12 240 / 09 12 240 T

- > With fish tape puller in the joint gap
- > With universal mandrel crimping point below the joint



09 01 240



09 02 240 T



09 05 240



09 11 240



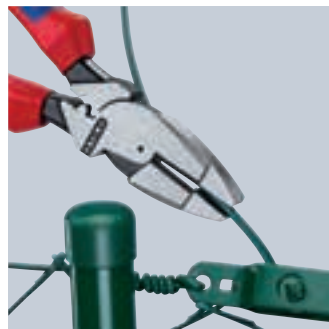
09 12 240 T



09 15 240



09 11/12 240: fish tape puller in the joint gap



Cross-hatched, knurled gripping zone for firm gripping and pulling, e. g. for fence construction



Long cutting edges for cutting flat cables



09 11/12 240: universal mandrel crimping area below the joint

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities		Δ g
							Ø mm	Ø mm	
09 01 240	064992	240		black atramentized	polished	with non-slip plastic coating	4.6	3.0	435
09 02 240	065005	240		black atramentized	polished	with multi-component grips	4.6	3.0	470
09 02 240 T	079941	240		black atramentized	polished	with multi-component grips and integrated tether attachment point	4.6	3.0	460
09 05 240	087380	240		chrome-plated	chrome-plated	with multi-component grips	4.6	3.0	460
09 11 240	071952	240		black atramentized	polished	with non-slip plastic coating	4.6	3.0	435
09 12 240	071969	240		black atramentized	polished	with multi-component grips	4.6	3.0	470
09 12 240 T	079958	240		black atramentized	polished	with slim multi-component grips, with integrated tether attachment point for a tool tether	4.6	3.0	455
09 15 240	087397	240		chrome-plated	chrome-plated	with multi-component grips	4.6	3.0	455

\* Other tools with tethering can be found from page 294

# WIRE STRIPPERS AND DISMANTLING TOOLS

KNIPEX MultiStrip 10 – Automatic Insulation Stripper	018	KNIPEX ErgoStrip® – Universal Stripping Tool	031
KNIPEX PreciStrip16 – Automatic Insulation Stripper	019	Universal Stripping Tools	032
Self-Adjusting Insulation Stripper	020	Cable Knives	038
KNIPEX NexStrip® – Multi-Tool for Electricians	021	Stripping Knives	038
Automatic Insulation Stripper	022	Folding Knife for Electricians	039
Automatic Insulation Stripper for flat cable	023	Electricians' Pliers	040
Automatic Stripping Pliers	023	Stripping Pliers	041
Precision Insulation Strippers with adapted blades	024	Pliers for Electrical Installation	042
Insulation Strippers with adapted blades	025	WireStripper – Multifunction Electrician Pliers	044
Insulation Strippers	026	WireStripper – metric version	046
KNIPEX StriX® – Insulation strippers with cable shears	027	Diagonal Insulation Strippers	048
Mini Wire Strippers	029	Electronics Wire Stripping Shears	049
Wire Stripper for fibre optics	029	Electronics Wire Stripper	049
Stripping tool for fibre optics cable	030		

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13 76 200



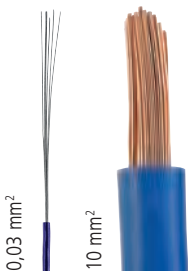
# KNIPEX MultiStrip 10

## Automatic Insulation Stripper

- ▶ Stripping without re-adjustment from 0.03 to 10.0 mm² (only at constant temperatures)
  - ▶ Recessed wire cutter
  - ▶ Recommended for industrial use due to long-term process reliability
- 
- > Fully automatic adjustment to fine-stranded conductors with standard insulation throughout the entire capacity range from 0.03 to 10.0 mm²
  - > Universal blade geometry – robust and more durable
  - > With recessed wire cutter for Cu and Al conductors, stranded up to 10 mm² and single wire up to 6 mm²
  - > 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
  - > Particularly smooth-running mechanics and very low weight
  - > Replaceable blades block and length stop
  - > Handle with soft-plastic zone for a steady grip
  - > Body: glass fibre reinforced plastic
  - > Blade: special tool steel, oil-hardened



12 42 195



Wire cutter for multiple stranded wire cables up to 10.0 mm²



Steel clamping jaws avoid slipping of the cable



Precise stripping from 0.03 to 10 mm² without re-adjustment

### Patented mechanics

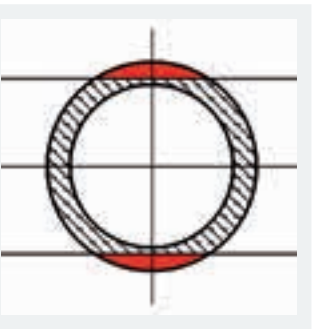
The incision depth of the stripping blade adjusts fully automatically to the diameter of the wire and accordingly also to the thickness of all standard insulating materials.

There is no need for any manual adjustment which is still necessary when other conventional pliers with a wide wire-stripping range are used.

### Mode of operation of straight cutters

An incision is made in the red area only.

Not suitable for highly flexible or armoured insulation materials or for multi-layered insulation.



Article No.	EAN	↔ mm		Stripping capacities mm²	AWG	Δ g
12 42 195	054580	195	MM (PATENTED)	0.03 – 10	32 – 8	136
12 49 21	057581	Spare blades block				
12 49 23	057604	Spare length stop for 12 42 / 52 195, 12 72 190				



# **KNIPEX PreciStrip16**

- ▶ Simple, precise stripping of fine wires and solid round cables with a wide capacity range from 0.08 to 16 mm<sup>2</sup> with only one pair of pliers
- ▶ Good grip provided by semi-circular grooved metal holding clamps; exact cut due to parabolic stripping blade
- ▶ An automatism regulates the depth of the cut; the neutral point of the automatism can be adjusted in fine steps in special operating conditions (insulation material, temperature)
- ▶ Additionally available: Blade block (12 49 32) for very hard halogen-free cables from 4–16 mm<sup>2</sup>

- > With adjustable length stop for precision work repeated accurately each time
- > Inscription area for customisation
- > Comfortable operation with ergonomic dual-component handle
- > With tether attachment point, suitable for KNIPEX Tethered Tools accessories
- > Easily replaceable blade cassette



12 52 195



Semi-circular grooved holding clamp for better grip that holds practically any insulation material securely in place

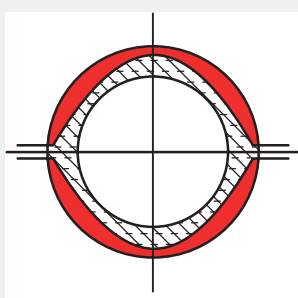


For special requirements, such as particularly hard or soft insulation materials, optimum fine adjustments can be made using the adjusting wheel with its tactile locking positions

## **Mode of operation of straight cutters**

An incision is made in the red area only.

Not suitable for highly flexible or armoured insulation materials or for multi-layered insulation.



With cable cutter on the top side for up to 16 mm<sup>2</sup>

Article No.	EAN	↔ mm	Stripping capacities mm <sup>2</sup>	AWG	△ g
12 52 195	4003773-085829	190	0.08 – 16	28 – 6	180
12 49 23	057604	Spare length stop for 12 42 / 52 195, 12 72 190			
12 49 31	086000	Spare blades block for 12 52 195, 12 72 190			
12 49 32	086253	Spare knife block with special knives for 12 52 195			



# Self-Adjusting Insulation Strippers

- > Stripping from 0.03 to 10.0 mm<sup>2</sup>
- > 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 mm<sup>2</sup> and single stranded up to 6 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



Adjustable length stop



Precise stripping prevents damage to the conductor

Article No.	EAN 4003773-	↔ mm		Stripping capacities mm <sup>2</sup>	AWG	Δ g
12 40 200	026662	200	MM	0.03 – 10	32 – 8	202
12 49 01	026679	1 pair of spare blades for 12 40 200				
12 49 02	026686	1 pair of spare clamping jaws for 12 40 200				
12 49 03	026693	Spare length stop for 12 40 200				
12 49 04	053071	Torsion spring for 12 40 200				
12 49 05	053088	Coil spring in the head for 12 40 200				

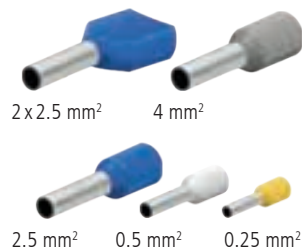
# **KNIPEX NexStrip®**

## **Multi-Tool for Electricians**

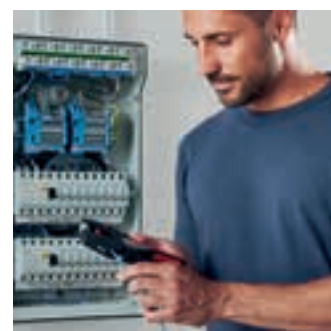
- ▶ **Perfect crimping:** fast and even square crimping for individual wire ferrules, the ratchet crimping mechanism guarantees the required crimping pressure
  - ▶ **Precise stripping:** automatically adapts to the respective cable diameter and ensures consistent stripping lengths with the adjustable length stop especially with repetitive work
  - ▶ **Multi-component grips ensure non-slip, comfortable handling**
- > Quick, precise square crimp of single wire ferrules according to DIN 46228 parts 1+4, self-adjusts for sizes 0.25 – 4 mm<sup>2</sup> / 2 x 2.5 mm<sup>2</sup> – allows for quick crimping between different sizes
  - > Repetitive, high crimping quality due to ratchet mechanism with a complete crimping cycle
  - > Stripping with fine adjustment – for optimal adjustment to special materials or temperature conditions for flexible and solid conductors between 0.03 and 10 mm<sup>2</sup> (AWG 32–8)
  - > Cleanly cuts conductors up to 10 mm<sup>2</sup> (AWG 8)
  - > High-quality housing made of glass fibre reinforced plastic
  - > For the electrical trade: for domestic installations and wiring of electronical devices, such as PLC (programmable logic controller)



12 72 190



The positive lock always ensures the perfect contact pressure



With cable cutter for conductors up to 10 mm<sup>2</sup>



Automatic stripping up to 10 mm<sup>2</sup>



Square crimping point for wire end ferrules 0.25 – 4 mm<sup>2</sup>



The fine adjustment enables reliable stripping even under special operating conditions (special insulating materials or extreme temperatures)

Article No.	EAN 4003773-	↔ mm	Stripping capacities mm <sup>2</sup>	AWG	⚖ g
<b>12 72 190</b>	088165	190	0.03 – 10	32 – 8	170
<b>12 49 21</b>	057581	Spare blades block			
<b>12 49 23</b>	057604	Spare length stop			

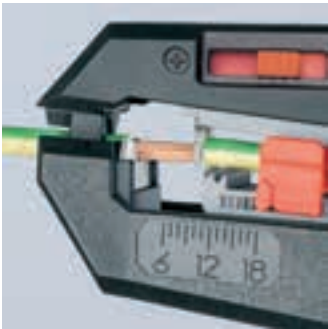
# Automatic Insulation Stripper

- ▶ Strips cables with standard materials without any need for manual adjustment
- ▶ Fine adjustable zero correction of the blade setting to special material requirements, e.g. due to large temperature differences
- ▶ Compact, handy and lightweight tool for common cable cross-sections and insulating materials

- > For single, multiple and fine stranded cables of 0.2 up to 6 mm² with standard insulation
- > Narrow head style for use in confined areas
- > With wire cutter for copper and aluminium wires up to 2.5 mm²
- > With adjustable length stop from 6 – 18 mm for constant stripping lengths
- > Body: glass fibre reinforced plastic
- > Blades: special tool steel, oil-hardened, interchangeable



12 62 180



Article No.	EAN	↔ mm		Stripping capacities mm²	AWG	△ g
12 62 180	4003773-054573	180	MM	0.2 – 6	24 – 10	151
12 69 21	060093	1 pair of spare blades for 12 62 180				
12 69 23	067115	Spare length stop for 12 62 180				



# Automatic Insulation Stripper for flat cable

- > 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 various conductor heights; prevents damage to the conductor
- > Long stripping lengths possible
- > Blade replaceable
- > Smoothly operating mechanism
- > Low weight
- > Body: glass fibre reinforced plastic
- > Blade: special tool steel, oil-hardened



12 64 180



Article No.	EAN 4003773-	↔ mm		Stripping capacities mm <sup>2</sup>	AWG	⚖ g
12 64 180	073284	180	WW	0.75 – 2.5	18 – 14	125
12 69 31	073932	1 pair of spare blades for 12 64 180				

# Automatic Stripping Pliers

- ▶ For control and sensor cables / actuator cables, also for stripping flexible feeding and extension cables
- ▶ Automatic adjustment to cables between Ø 4.4 mm and Ø 7.5 mm
- ▶ No damage to the inner conductor or shield braid

- > For oil-resistant, halogen-free control and sensor / actuator cables with multicore cable design
- > Suitable for highly flexible TPE-U-pipes, PUR and PVC cable sheathing, rubber leads such as H05 etc.
- > Long stripping lengths possible
- > Body: glass fibre reinforced plastic
- > Blades: special tool steel, oil-hardened, interchangeable



12 74 180 SB



Complex cutter design for precise and damage-free stripping of round cables



Required stripping length easy to read off

Article No.	EAN 4003773-	↔ mm		Stripping capacities Ø mm	⚖ g
12 74 180 SB	082323	175	WW	4.4 – 7.5	145
12 79 31	082682	1 pair of spare blades for 12 74 180 SB			

# Precision Insulation Strippers

## with adapted blades

- > Form-fit stripping 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
- > Blade: special tool steel, oil-hardened
- > Pliers body: steel

### 12 12 02

- > With additional cable guide for exact positioning of the cable in the stripping area of the blade

### 12 12 11 / 12 12 12 for photovoltaics

- > Specially adapted to multilayer and Radox® insulation
- > With additional cable support for a better centring of multi-layer insulated conductors in the stripping profiles

### 12 12 13 / 12 12 14

- > Especially for cables in accordance with the American specification (AWG)



12 12 02



12 12 11



12 12 13



Precise cutting of the insulation to a complete extent

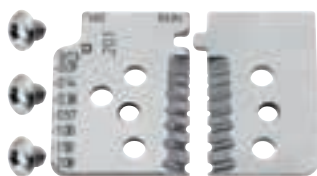


Positive stripping due to precise shape of the blades

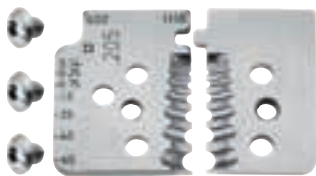


12 12 02 with cable guide and length stop

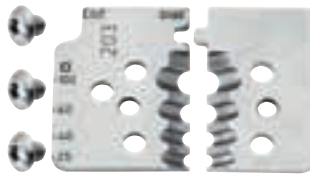
## Maximum cable cross-section (in mm²) per profile:



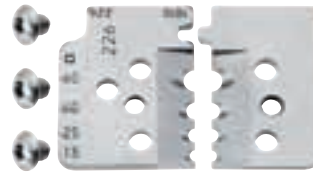
12 19 02



12 19 06



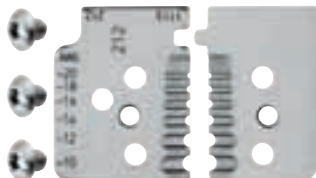
12 19 10



12 19 11



12 19 12



12 19 13



12 19 14

### Principle of operation with adapted blades

Properly and precise stripping with an annular cut through the complete insulation. This is particularly important with conductors, which must be stripped precisely. This works without any problem even with difficult insulating materials made of PTFE, Radox® and multilayer insulations.



### Precisely and reliably

Two pairs of blades (1) cut the insulation to a complete extent. Then the blade pairs move apart, and thus the insulation is removed form-fit (2). The pliers open automatically after the stripping procedure.



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Stripping capacities mm <sup>2</sup>	AWG	⚖ g
12 12 02	048077	195	MM	burnished	with multi-component grips	0.03 – 0.09 / 0.14 / 0.38 / 0.57 / 1 / 1.5 / 2.08		447
12 12 06	049005	195				0.14 – 0.25 / 0.75 / 1.5 / 2.5 / 4 / 6		445
12 12 10	049012	195				2.5 / 4 / 6 / 10		445
12 12 11	062998	195	MM	burnished	with multi-component grips	1.5 / 2.5 / 4 / 6	16 – 10	449
12 12 12	073758	195				4 / 6 / 10	12 – 8	450
12 12 13	077534	195	MM	burnished	with multi-component grips		10 / 12 / 14 / 16 / 18 / 20	450
12 12 14	077541	195					16 / 18 / 20 / 22 / 24 / 26	450
12 19 02	049036	1 set of spare blades for 12 12 02						
12 19 06	049043	1 set of spare blades for 12 12 06						
12 19 10	049050	1 set of spare blades for 12 12 10						
12 19 11	063001	1 set of spare blades for 12 12 11						
12 19 12	073765	1 set of spare blades for 12 12 12						
12 19 13	077558	1 set of spare blades for 12 12 13						
12 19 14	077565	1 set of spare blades for 12 12 14						

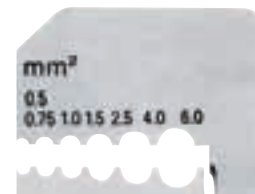
## Insulation Strippers


### with adapted blades

- > With replaceable blades for 4 (adapted to diameters) or 6 (adapted to cross-sections) different conductor cross-sections
- > Leave wire undamaged due to precision-ground blade shapes, even multi-stranded conductors are stripped gently
- > During stripping, the wire is held firmly by clamping jaws
- > With length stop for constant stripping length during repetitive work
- > A spring leads the stripper back to the starting position
- > Blade: special tool steel, oil-hardened
- > Pliers body: aluminium



12 21 180



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Stripping capacities			⚖ g
						Ø mm	mm²	AWG	
<b>12 11 180</b>	000792	180		black lacquered	with plastic grips	0.5 / 1.2 / 1.6 / 2.0			357
<b>12 21 180</b>	000815	180					0.5 – 0.75 / 1 / 1.5 / 2.5 / 4 / 6	20 – 18 / 16 / 14 / 12 / 10	355
<b>12 19 180</b>	022145	1 pair of spare blades for 12 11 180							
<b>12 29 180</b>	022152	1 pair of spare blades for 12 21 180							



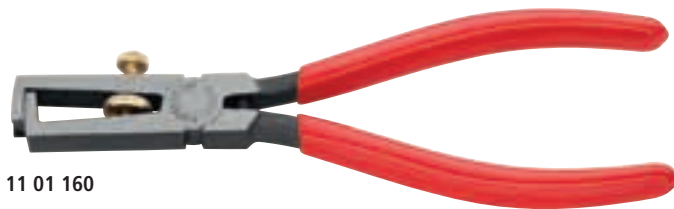
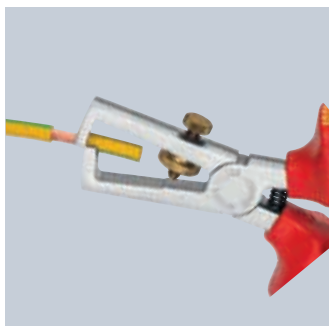
# Insulation Strippers

## universal

- > For single, multiple and fine stranded conductors with plastic or rubber insulation up to Ø 5 mm or 10 mm<sup>2</sup>
- > Easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut
- > Easy adjustment to the required diameter of stranded wire with knurled screw and lock nut
- > Special tool steel, forged, oil-hardened

### 11 06 160 T\*

- > Pliers with tether attachment point for mounting a fall protection system



11 01 160



11 02 160



11 05 160



11 06 160 T



11 12 160

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Stripping capacities			Δ g
							Ø mm	mm <sup>2</sup>	AWG	
11 01 160	033868	160	MM	black atramentized	polished	plastic coated	5.0	10	8	131
11 02 160	023180	160	MM	black atramentized	polished	with multi-component grips	5.0	10	8	165
11 05 160	039570	160	MM	chrome-plated	chrome-plated	with multi-component grips	5.0	10	8	170
11 06 160	021933	160	MM ⚡ 1000 V	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	5.0	10	8	180
11 06 160 T	081418	160	MM ⚡ 1000 V	chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	5.0	10	8	180
11 07 160	015499	160	MM ⚡ 1000 V	chrome-plated	chrome-plated	with dipped insulation, VDE-tested	5.0	10	8	205
11 12 160	034964	160		black atramentized	polished	with multi-component grips	5.0	10	8	156
11 09 01	052326	Set of spare parts (screw and nut) for 11 XX 160								

# **KNIPEX StriX®**

## **Insulation strippers with cable shears**

### **► Wire stripper with cable shears – two essential electrical installation tools in one pair of pliers**

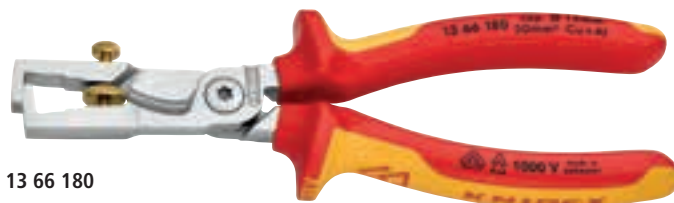
- > Integrated cable shears for the clean cutting of Cu- and Al-cables without crushing up to Ø 15 mm (5 x 2,5 mm<sup>2</sup>)
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 57 HRC
- > Universal adjustment of the stripping blades by means of a knurled screw
- > Slim dimensions for easy access
- > Stripping of single-, multi- and fine stranded conductors with plastic or rubber insulation up to Ø 5 mm or 10 mm<sup>2</sup> cross-section
- > Graduated jaw provides a visual orientation aid when stripping wire in standard lengths (11 mm and 16 mm)
- > High-grade special tool steel, forged, multi stage oil-hardened

### **13 66 180 T\***

- > Pliers with integrated insulated tether attachment point for a tool tether



13 62 180



13 66 180



13 66 180 T



Induction-hardened precision cutter



Length mark: Profiling on the inner side helps when stripping wire in standard lengths (11 mm and 16 mm)



Induction-hardened shear blade with precisely ground cutting edges for crush-free cutting of copper and aluminium cables of up to Ø 15 mm (5 x 2.5 mm<sup>2</sup>)



Lock nut prevents any unintentional adjustment

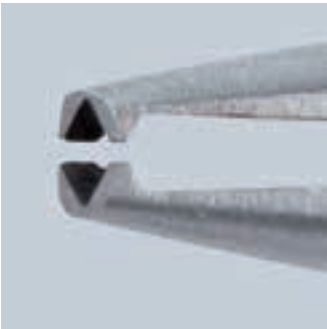


Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Stripping capacities		AWG	Δ g
						Ø mm	mm <sup>2</sup>		
13 62 180	081302	180	(PATENTED)	black atrimentized	with multi-component grips	5.0	10	8	200
13 66 180	081319	180	(PATENTED) ⚡ 1000 V	chrome-plated	insulated with multi-component grips, VDE-tested	5.0	10	8	213
13 66 180 T	081906	180	(PATENTED) ⚡ 1000 V	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	5.0	10	8	216
11 09 01	052326	Set of spare parts (screw and nut) for 11 XX 160							



# Insulation Strippers

- > For stripping thin cables
- > Precise stripping prism matched to diameter of wire, non-adjustable
- > With opening spring
- > Chrome vanadium electric steel, forged, oil-hardened



Article No.	EAN 4003773-	↔ mm		Head	Handles	Stripping capacities	Δ g
						Ø mm	
15 51 160	044451	160	M	polished	plastic coated	0.5	101
15 61 160	014843	160				0.6	102
15 81 160	015574	160				0.8	102



# Mini Wire Strippers

- > Precise stripping, stepwise adjustment to the conductor diameters
- > With wire cutter
- > Adjustable length stop from 4 to 15 mm
- > With locking device
- > Housing: plastic, impact-proof

## 12 80 040 SB

- > For thin copper conductors Ø 0.12 to 0.4 mm

## 12 80 100 SB

- > For thin copper conductors Ø 0.3 to 1.0 mm



12 80 100 SB



Article No.	EAN 4003773-	↔ mm		Stripping capacities Ø mm	AWG	⚖ g
12 80 040 SB	071655	100	MM	0.12 – 0.4	36 – 26	35
12 80 100 SB	043119	100		0.3 – 1.0	28 – 18	34

# Wire Stripper for fibre optics

- > To remove primary and secondary coating of fibre optics
- > Special quality chrome vanadium electric steel, oil-hardened



12 82 130 SB



Article No.	EAN 4003773-	↔ mm	Pliers	Handles	Stripping capacities Ø mm	⚖ g
12 82 130 SB	050094	130	burnished	with plastic grips	primary-coating: 0.125 mm; secondary-coating: 0.250 mm	75

# Stripping tool for fibre optics cable

- > To remove primary coating of fibre optics with Ø 0.125 mm
- > Blade Ø 0.16 mm, hole for cable feed Ø 0.35 mm
- > Adjustable length stop for 5–45 mm
- > Housing: plastic, impact-proof



12 85 110 SB



Article No.	EAN 4003773- 087878	↔ mm	Stripping capacities Ø mm	⚖ g
12 85 110 SB		190	primary-coating 0.125 mm	83





# **KNIPEX ErgoStrip®**

## **Universal Stripping Tool**

- ▶ For fast and precise stripping of all common round and damp-proof installation cables (e.g. NYM cable 3 x 1.5 mm<sup>2</sup> up to 5 x 2,5 mm<sup>2</sup>), data cables (e.g. twisted pair) and coax cables
- ▶ Innovative, ergonomic pistol grip design for easy cutting, stripping and longitudinal cut of the sheath

- > Conical, slimmed down tool ends for better access in confined areas
- > Stripping device for cross-sections 0.2 / 0.3 / 0.8 / 1.5 / 2.5 / 4 mm<sup>2</sup>
- > Simplified insertion of single wires for stripping using location ridges
- > With opening spring and locking device
- > Easy insertion of coax and data cable due to opening aid
- > Multi-component design with a soft plastic zone for comfortable use and a secure grip
- > Housing made from stable glass fibre reinforced plastic

### **16 95 02 SB**

- > For left-handers



16 95 01 SB



GERMAN  
DESIGN  
AWARD  
WINNER  
2017



16 95 02 SB



Stripping of a coax cable



Stripping of a NYM cable



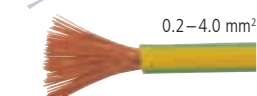
Stripping of a data cable



Ø 4.8–7.5 mm



CAT 5–7 UTP/STP



0.2–4.0 mm<sup>2</sup>



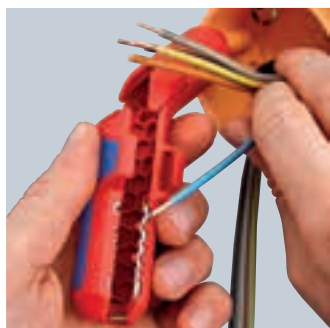
Ø 8–13 mm



0.2–4.0 mm<sup>2</sup>





Stripping of a coax cable



Wire stripping on single conductors



With concealed cutter in overhanging thumb rest on the side for convenient lengthwise cut

Article No.	EAN 4003773-	↔ mm		Round cable Ø mm	Conductors and wires mm <sup>2</sup>	Stripping capacities		g
						Data cables	Coax cable Ø mm	
<b>16 95 01 SB</b>	079927	135	 (PATENTED)	8.0 – 13.0	0.2 – 4	CAT 5–7, Twisted Pair (UTP/STP)	4.8 – 7.5	75
<b>16 95 02 SB</b>	082910	135	 (PATENTED)	8.0 – 13.0	0.2 – 4	CAT 5–7, Twisted Pair (UTP/STP)	4.8 – 7.5	75

## Universal Stripping Tools

- > For stripping all common round and damp-proof installation cables between Ø 8.0–13.0 mm (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
- > Double shell, folding back stripping tool
- > With opening spring and locking device
- > Practical clip for easy transport
- > Body: glass fibre reinforced plastic

### 16 85 125 SB

- > With additional blade for longitudinal cuts; telescopic blade inside; stripping device for cross-sections 0.2 / 0.3 / 0.8 / 1.5 / 2.5 / 4 mm<sup>2</sup>; with integrated cable guide for longitudinal cut. This enables rigid insulation (e.g. halogen-free) to be stripped more easily.



16 80 125 SB



16 85 125 SB



Article No.	EAN 4003773-	↔ mm		Stripping capacities		Cable types	△ g
				Ø mm	mm <sup>2</sup>		
16 80 125 SB	040828	125	///	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>	75
16 85 125 SB	060444	125	///	8.0 – 13.0	0.2 – 4	round cable, e.g.: 3 x 1.5 mm <sup>2</sup> up to 5 x 2.5 mm <sup>2</sup>	79

## Universal Stripping Tool for building and industrial cables

- > With opening spring and locking device
- > For stripping all common round and damp-proof installation cables between Ø 8.0–13.0 mm (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: glass fibre reinforced plastic
- > For use in confined and difficult to access work areas
- > Especially suitable for larger cross-sections and for difficult insulating materials
- > 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>
- > Two-way length stop (ideal for right and left-handers)
- > Fastening device on the end of the handle (drop protection system)



16 90 130 SB



Article No.	EAN 4003773-	↔ mm		Stripping capacities		Cable types	△ g
				Ø mm	mm <sup>2</sup>		
16 90 130 SB	076940	130	///	8.0 – 13.0	1.5 / 2.5	round cable, e.g.: 3 x 1.5 mm <sup>2</sup> up to 5 x 2.5 mm <sup>2</sup>	47

## Depth Stripping Tool

► Long, ergonomic design for work in deep connector sockets

- > Double shell, folding back stripping tool
- > With opening spring and locking device
- > The quadruple blade arrangement reduces the amount of force required and increases cutting precision
- > Firm grip due to anti-slip surface
- > Length scale for precise stripping
- > Inscription area for customisation
- > No adjustment of blades to cutting depth required



16 80 175 SB



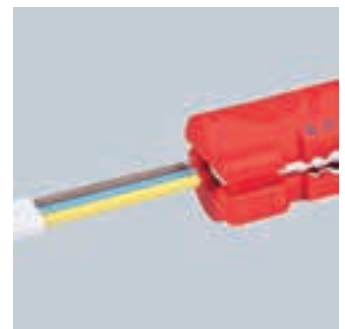
Article No.	EAN 4003773-084129	↔ mm	175	Stripping capacities Ø mm	8.0 – 13.0	Δ g 90
16 80 175 SB						

## Stripping Tool for flat and round cable

- > For flat cables up to 12 mm in width
- > For stripping all common round and damp-proof installation cables Ø 4.0 to 13.0 mm (e.g. NYM cable 3 x 1.5 mm² up to 5 x 2.5 mm²)
- > Stripping device for cross-sections 0.8 / 1.5 / 2.5 mm² (AWG 20 / 16 / 14)
- > With opening spring and locking device
- > For use in confined and difficult to access work areas
- > Also for use in conduit and distribution boxes
- > Body: glass fibre reinforced plastic



16 64 125 SB



Article No.	EAN 4003773-076933	↔ mm	125	Stripping capacities Ø mm	4.0 – 13.0	mm²	0.8 – 2.5	Cable types	flat cable 12 mm / round cable e.g.: 3 x 1.5 mm² up to 5 x 2.5 mm²	Δ g 48
16 64 125 SB										



# Stripping Tool for data cable

- > For stripping UTP and STP data cables with Ø 4.5 to 10.0 mm
- > Stripping device for cross-sections 0.2 / 0.3 / 0.8 / 1.5 / 2.5 / 4 mm²
- > Double shell, folding back stripping tool
- > With opening spring and locking device
- > Practical clip for easy transport
- > Body: glass fibre reinforced plastic
- > Blades: special tool steel, oil-hardened, TiN-coated



16 65 125 SB



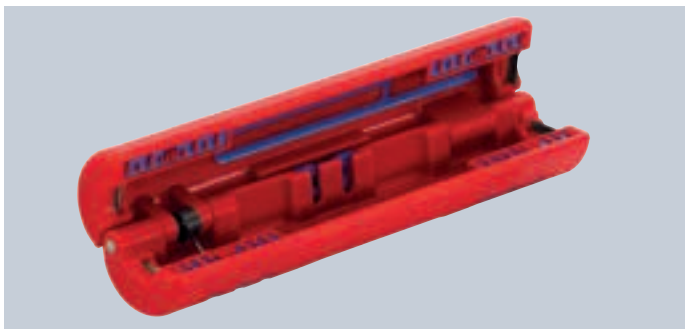
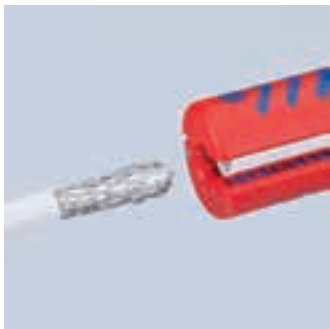
Article No.	EAN 4003773- 043157	↔ mm	↗	Stripping capacities		Cable types	⚖ g
				Ø mm	mm²		
16 65 125 SB		125	↗	4.5 – 10.0	0.2 – 4	CAT 5. CAT 6. CAT 7. Twisted Pair (UTP/STP)	50

# Stripping Tool for coax cable

- > For stripping all common coax cables between Ø 4.8–7.5 mm (e.g. for TV- and satellite antenna), also suitable for PVC round cable 3 x 0.75 mm²
- > With length scale 5.0–20.0 mm
- > Double shell, folding back stripping tool
- > With opening spring and locking device
- > Body: glass fibre reinforced plastic



16 60 100 SB



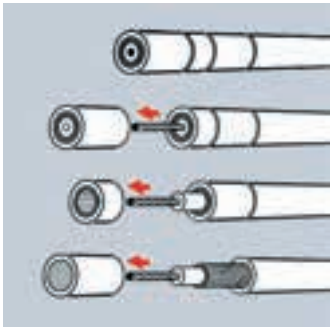
Article No.	EAN 4003773- mm	↔ mm	Stripping capacities Ø mm	⚖ g
16 60 100 SB	040811	100	Coax cables 4.8–7.5, round cables 3 x 0.75 mm <sup>2</sup>	22

# Stripping Tool for coax cable

- > For stripping coax cables (RG 58, RG 59 and RG 62)
- > For stripping outer sheath, shield and insulation in a single process
- > With three built-in blades
- > The cutting depth of each blade can be adjusted individually by means of a hexagonal key (Allen key)
- > The blade spacing remains constant
- > Housing: plastic, impact-proof



16 60 05 SB



Stripping of a Coax cable in three steps



Article No.	EAN	↔ mm		Cable type	⚖ g
16 60 05 SB	4003773-044888	105	MM	RG 58, RG 59 + RG 62	75

# Wire Stripping Tool for coax and data cable

- > Universal stripping tool for Coax cables RG 59, RG 6, RG 7, RG 11
- > For stripping outer sheath, shield and 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
- > Integrated blade for cutting data cables
- > Housing: plastic, impact-proof



16 60 06 SB



Article No.	EAN	↔ mm		Cable type	⚖ g
16 60 06 SB	4003773-077961	125	MM	RG 59, RG 6, RG 7, RG 11	100

# Stripping Tools with scalpel blade

- > For stripping all common round cables
- > Self-tightening holding lever
- > With adjusting screw for cutting depth adjustment
- > Turnable blade for circular and longitudinal cutting
- > Spare blade inside the handle
- > Secure grip due to soft component material on handle and holding lever to avoid slipping
- > Housing: plastic, impact-proof

## 16 20 165 SB

- > With knife and hook blade, protective cap included



16 20 16 SB



16 20 165 SB



Article No.	EAN 4003773-	↔ mm		Stripping capacities Ø mm	⚖ g
16 20 16 SB	060451	130	MM	4.0 – 16.0	70
16 20 28 SB	060468	130		8.0 – 28.0	95
16 20 165 SB	043133	165	MM	8.0 – 28.0	85
16 29 165	043140	Spare blade for 16 20 16 SB / 16 20 28 SB / 16 20 165 SB			





# Stripping Tool for spiral cutting

- > For stripping round cable sheaths made of PVC, rubber, silicone or PTFE
- > Self-tightening holding lever
- > With knurled nut for cutting depth adjustment
- > Changing from circular to longitudinal cutting by turning the tool body
- > Spiral cutting for removing intermediate pieces
- > Replaceable blade
- > Housing: plastic, impact-proof



16 30 145 SB



Setting the tool for circular cut



Longitudinal cut



Spiral cutting

Article No.	EAN 4003773-	↔ mm		Stripping capacities Ø mm	⚖ g
16 30 135 SB	033349	135	MM	6.0 – 29.0	120
16 30 135 SB	081029	150	MM	19.0 – 40.0	140
16 39 135	027317	Spare blade for 16 30 135 SB / 16 30 145 SB			

# Stripping Tool

- > For dismantling round cables exceeding Ø 25.0 mm
- > Removes all sheaths of standard cables
- > Suitable for longitudinal and circular cutting
- > Cutting depth can be adjusted up to 5.0 mm
- > Replaceable blade (both sides can be used)
- > Tool body: glass fibre reinforced plastic



16 40 150



Adjustable cutting depth



Setting the tool for longitudinal cut



Longitudinal cut



Turning the tool for circumferential cut



Circular cut

Article No.	EAN 4003773-	↔ mm	Stripping capacities mm	⚖ g
16 40 150	026709	150	Ø > 25 mm	210
16 49 150	026716	Spare blade for 16 40 150		

## Cable Knives

- > Ergonomically designed handle shape with comfortable slip guard
- > Particularly confident grip due 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
- > DIN EN 60900
- > IEC 60900

### 98 52

- > Back of the blade plastic coated to avoid short circuits



98 52



98 54

Article No.	EAN 4003773-	↔ mm		Handle	Blade length mm	⚖ g
98 52	035565	190	⚡ 1000 V	insulating multi-component handle, VDE-tested	50.0	75
98 54	026563	190	⚡ 1000 V	insulating multi-component handle, VDE-tested	50.0	65

## Stripping Knives

- > Ergonomically designed handle shape with comfortable slip guard
- > Particularly confident grip due 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
- > DIN EN 60900
- > IEC 60900

### 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



98 53 03



98 53 13



98 55



Article No.	EAN 4003773-	↔ mm		Handle	Blade length mm	Radius mm	⚖ g
98 53 03	026549	170	⚡ 1000 V	insulated with multi-component grips, VDE-tested	28.0	7.0	64
98 55	022558	180	⚡ 1000 V	insulated with multi-component grips, VDE-tested	38.0	23.5	77
98 53 13	026556	190	⚡ 1000 V	insulated with multi-component grips, VDE-tested	50.0	40.0	64

# Folding Knife for Electricians

- ▶ Universal folding cutter for everyday use
- ▶ Durable and robust: top quality, extremely sharp blade – Made in Solingen
- > Ergonomic handle shape for comfortable holding and easy guidance
- > Handle made from robust, shock-resistant plastic
- > Good power transmission during use
- > Stable blade
- > With tether attachment point, suitable for KNIPEX Tethered Tools accessories
- > Blade made of stainless steel



16 20 50 SB



Easy opening due to the practical diamond-shaped grip on the blade



The Electricians' Folding Cutter is quickly available to hand and is suitable for all the usual cutting tasks



For KNIPEX Tethered Tools: the tether attachment on the handle allows a fastener to be attached

Article No.	EAN	↔ mm	Blade length mm	⚖ g
16 20 50 SB	4003773-082705	120	80.0	85





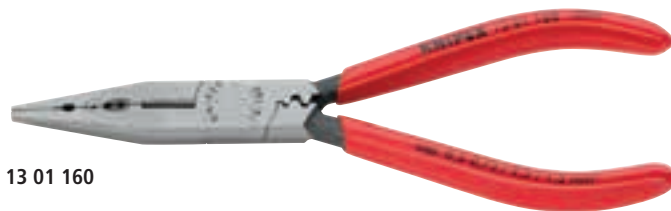
# Electricians' Pliers

- ▶ The ideal pliers for cable work
- ▶ Suitable for cutting, bending, gripping, crimping and stripping

- > For gripping and bending wire
- > For cutting medium hard and hard wire
- > Precision cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC
- > With precision stripping holes
- > For crimping wire ferrules
- > Vanadium electric steel, forged, multi stage oil-hardened

## 13 05 160 T\*

- > Pliers with tether attachment point for mounting a fall protection system



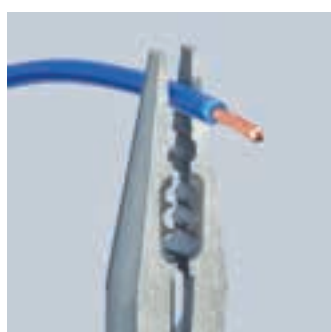
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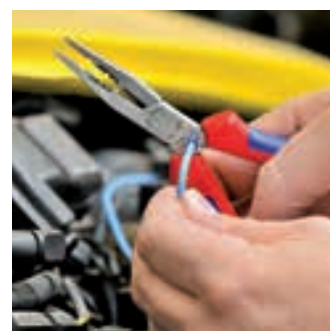
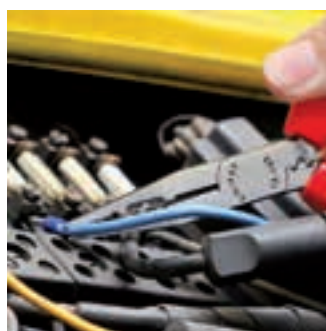
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13 05 160 T



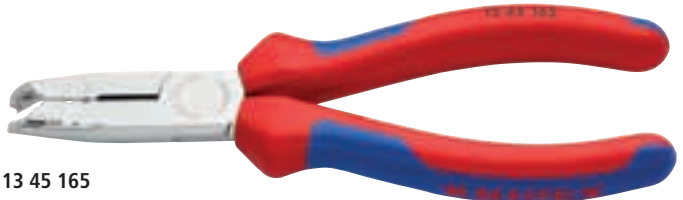
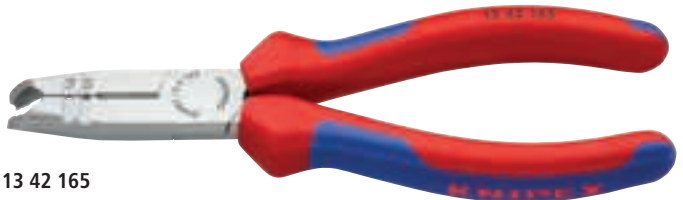
0,5 – 0,75 / 1,5 / 2,5 mm<sup>2</sup>



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities		△ g
							Ø mm	Ø mm	
13 01 160	034971	160		black atramentized	polished	plastic coated	2.5	1.6	112
13 02 160	010470	160		black atramentized	polished	with multi-component grips	2.5	1.6	139
13 05 160	071426	160		chrome-plated	chrome-plated	with multi-component grips	2.5	1.6	139
13 05 160 T	079965	160		chrome-plated	chrome-plated	with multi-component grips and integrated tether attachment point	2.5	1.6	142

# Stripping Pliers

- ▶ Multifunctional – cutting and stripping with one pair of pliers
  - ▶ For time-saving stripping of all round sheathed and damp-proof installation cables (e.g. NYM cable)
  - ▶ Simplified access especially into deep mounted junction boxes due to slim head design and optimally angled cable sheath cutter
  - ▶ Strip cables easily and without damage due to circular cutting edge with depth limiter
- > Suitable for universal use: precision wire stripping holes for conductors 0.75 – 1.5 and 2.5 mm²
- > With side cutters for cutting and trimming conductors, wires, small screws and nails
- > All cutting edges additionally induction-hardened to approx. 61 HRC for high wear resistance
- > 30 % lighter than comparable pliers
- > Vanadium electric steel, forged, multi stage oil-hardened



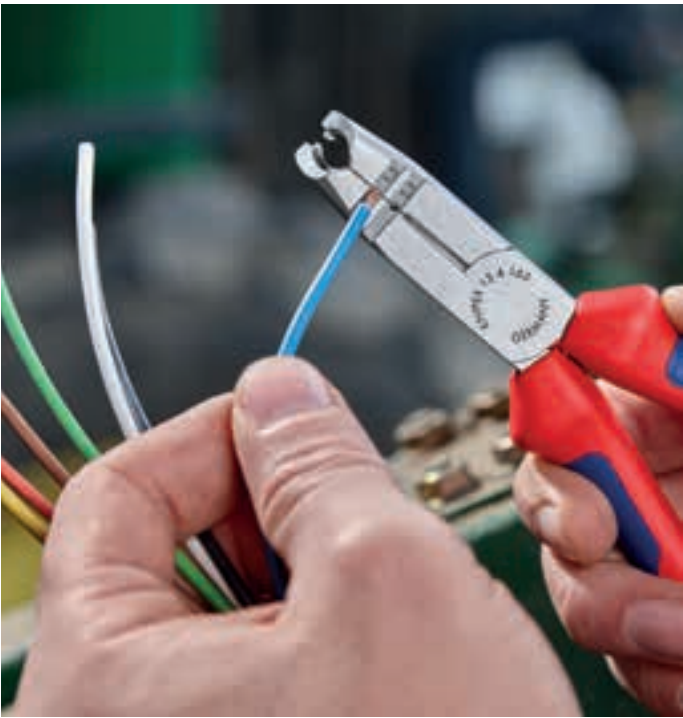
Cutting of cables of up to Ø 13 mm



Cutting when shortening single conductors



Stripping deep down in a flush-mounted junction box



Wire stripping holes for 1.5 and 2.5 mm² conductors

Article No.	EAN	↔ mm		Pliers	Head	Handles	Stripping capacities		Ø mm	Ø mm	Δ g
							Ø mm	mm²			
13 42 165	079675	165	🟢🟢	black atramentized	polished	with multi-component grips	8.0 – 13.0	0.75 – 1.5 / 2.5	3.2	2.2	176
13 45 165	079682	165	🟢🟢	chrome-plated	chrome-plated	with multi-component grips	8.0 – 13.0	0.75 – 1.5 / 2.5	3.2	2.2	176
13 46 165	079699	165	🟢🟢 ⚡ 1000V	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	8.0 – 13.0	0.75 – 1.5 / 2.5	3.2	2.2	190

# Pliers for Electrical Installation

## Multi-Tool for Electricians

- ▶ 6 functions in one pair of pliers
- ▶ To grip flat and round material, for bending, deburring, cutting cable, stripping and crimping wire ferrules
- > 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 gripping surfaces 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>
- > Crimping die for wire 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> / Ø 15 mm
- > Slim dimensions for easy access
- > Bolted joint: precise, zero backlash operation of pliers
- > High-grade special tool steel, forged, multi stage oil-hardened

### 13 81 200

- > Pliers with tether attachment point for mounting a fall protection system

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

- > In case of models with opening spring integrated in the joint, the activated locking lever keeps the cutting edges closed while other functions remain active; the intelligent latching mechanism enables you to "grip" without opening the pliers. The cutting edge remains closed and protected.

### 13 96 200 T\*

- > Pliers with integrated, insulated tether attachment point for a tool tether



13 81 200



13 82 200



13 82 200 T



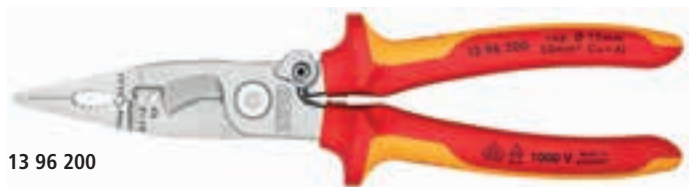
13 86 200



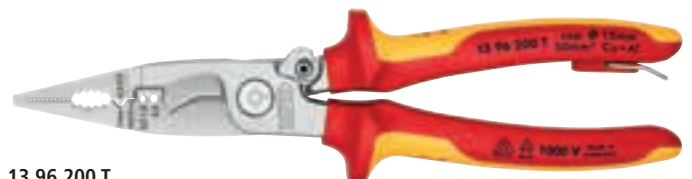
13 91 200



13 92 200



13 96 200



13 96 200 T





**Smooth gripping surface**

for non-damaging gripping and flattening,  
round-shaping (form wire loops)

**Profiled gripping surface**

to protect the workpiece, flattened  
for stronger yet gentle gripping

**Universal crimp die**

for wire ferrules from 0.5 to 2.5 mm<sup>2</sup>

**Clear-cut outside edge**

for deburring and widening holes

**Pipe grip**

for round parts and cables

**Stripping**




































of copper conductors from 0.75 to  
1.5 and 2.5 mm<sup>2</sup>

**Cable shears**

to cut copper cables up to Ø 15 mm  
(5 x 2.5 mm<sup>2</sup>)

**13 91 200 / 13 92 200 / 13 96 200**

On the models with an integrated opening spring,  
the locking device keeps the cutting edges closed  
when activated while gripping, stripping and  
crimping are still possible

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities Ø mm    mm <sup>2</sup>		Stripping capacity for single strands mm <sup>2</sup>	Crimping capacities mm <sup>2</sup>	Δ g
<b>13 81 200</b>	075240	200	   	black atramentized	polished	plastic coated	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	236
<b>13 82 200</b>	075080	200	   	black atramentized	polished	with multi-component grips	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	266
<b>13 82 200 T</b>	079972	200	   	black atramentized	polished	with multi-component grips and integrated tether attachment point	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	270
<b>13 86 200</b>	075097	200	    	chrome- plated	chrome- plated	insulated with multi-component grips, VDE-tested	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	272
<b>13 91 200</b>	075257	200	   	black atramentized	polished	plastic coated	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	236
<b>13 92 200</b>	075103	200	   	black atramentized	polished	with multi-component grips	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	266
<b>13 96 200</b>	075110	200	    	chrome- plated	chrome- plated	insulated with multi-component grips, VDE-tested	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	276
<b>13 96 200 T</b>	081425	200	    	chrome- plated	chrome- plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	278

# WireStripper

## Multifunction Electrician Pliers American style

- ▶ Strip faster: precise positioning of the wire due to location ridges
  - ▶ Innovative cutting edge geometry, particularly powerful cutting edges: 50 % higher cutting capacity and 25 % less cutting effort compared to standard wire strippers
  - ▶ Fast, burr-free cutting of threaded rods and screws of UNC 6–32 and 8–32 up to class 4.6
- > Precisely ground: Stripping profiles for conductors from 18–10 AWG (solid) and 20–12 AWG (finely stranded)
  - > Easy cutting of copper and aluminium cables up to Ø 15 mm (1/2")
  - > Multifunctional gripping surfaces for reliable gripping, holding and bending of flat and round material as well as for twisting wires
  - > High stability and good accessibility due to hybrid tips on the pliers head, which are flat and wide
  - > Convenient: comfortable opening width and ergonomic handle shape, integrated opening spring makes frequent cutting easier
  - > Ideal for right- and left-handed users: locking device can be operated from either side
  - > Clear-cut outside edges on the jaws for deburring plastic pipes
  - > High-grade special tool steel, forged, multi stage oil-hardened



































































13 71 8



13 72 8



Article No.	EAN	↔ mm		Pliers	Head	Handles	Cutting capacities		Stripping capacity		Δ g
							Ø mm	mm <sup>2</sup>	AWG SLD mm <sup>2</sup>	AWG STRD mm <sup>2</sup>	
13 71 8	086673	200	                               	black atramentized	polished	plastic coated	15.0	50	18 – 10	20 – 12	257
13 72 8	086680	200	                               	black atramentized	polished	with multi-component grips	15.0	50	18 – 10	20 – 12	285

**Cross-serrated gripping surface**

for reliable gripping, holding and bending of flat and round material

**Milled groove**

for secure holding and pulling of small workpieces, such as nails, pins and bolts

**Special convex contour**

on one side of the gripping surfaces for secure gripping of flat parts

**Locating ridges**

for faster stripping through accurate positioning of the conductor

**Hybrid design**

as flat as needle-nose pliers, as wide as combination pliers for high stability with good accessibility

**Outer edges**

for deburring pipes made of plastic or aluminium

**Pipe gripping area**

specially for round material

**Precision stripping holes**

of solid conductors from 18–10 AWG and fine-stranded conductors from 20–12 AWG

**Cable shears**

for easier cutting, especially of flat cables

**Screw cutter**

for fast, burr-free cutting of threaded rods and screws of UNC 6–32 and 8–32 up to class 4.6, no screwing in required!

**Integrated opening spring**

facilitates frequent stripping and cutting





# WireStripper

## metric version

- ▶ Clever stripping: large capacity range, sharply ground stripping profiles and intuitive positioning
- ▶ Innovative cutting geometry: easier cutting, especially of flat cables
- ▶ Hybrid design: as flat as needle-nose pliers, as wide as combination pliers for high stability with good accessibility

- > Precisely ground stripping profiles for solid conductors from 0.75–6 mm<sup>2</sup> and fine-stranded conductors from 0.5–4 mm<sup>2</sup>
- > Precise positioning of the wire due to location ridges
- > Easy cutting of copper and aluminium cables up to Ø 15 mm (1/2")
- > Wide, cross-hatched gripping surfaces for twisting wires
- > Milled groove for secure holding and pulling of small work pieces such as nails
- > Convex gripping surface on one side for secure gripping of flat material and gripping area for round material
- > Outer edges for deburring pipes
- > High-grade special tool steel, forged, multi stage oil-hardened



13 71 200 ME


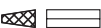

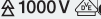


13 72 200 ME



13 76 200 ME



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities		Stripping capacities (solid / finely stranded) mm <sup>2</sup>	△ g
							⊗ mm	⊗ mm <sup>2</sup>		
13 71 200 ME	088929	200	 PATENTED	black atramentized	polished	plastic coated	15.0	50	0.75 – 6 / 0.5 – 4	266
13 72 200 ME	088936	200	 PATENTED	black atramentized	polished	with multi-component grips, with integrated tether attachment point for a tool tether	15.0	50	0.75 – 6 / 0.5 – 4	296
13 76 200 ME	088943	200	 PATENTED 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	15.0	50	0.5 – 4 / 0.75 – 6	296

**Cross-serrated gripping surface**

for reliable gripping, holding and bending of flat and round material

**Milled groove**

for secure holding and pulling of small workpieces, such as nails, pins and bolts

**Special convex contour**

on one side of the gripping surfaces for secure gripping of flat parts

**Locating ridges**

for faster stripping through accurate positioning of the conductor

**Hybrid design**

as flat as needle-nose pliers, as wide as combination pliers for high stability with good accessibility

**Outer edges**

for deburring pipes made of plastic or aluminium

**Pipe gripping area**

specially for round material

**Stripping**

of solid conductors from 0.75–6 mm<sup>2</sup> and fine-stranded conductors from 0.5–4 mm<sup>2</sup>

**Cable shears**

for easier cutting, especially of flat cables



# Diagonal Insulation Strippers

- ▶ With long cutter
- ▶ High cutting capacity due to high leverage joint

- > Precision stripping holes for single conductors of 1.5 and 2.5 mm²
- > Convenient cutting of NYM cables up to 5 x 2.5 mm²
- > Long tips for ultra fine cutting work also in confined areas
- > Induction-hardened precision blades, cutting edge hardness approx. 60 HRC
- > Vanadium electric steel, forged, multi stage oil-hardened



14 22 160



14 25 160



14 26 160

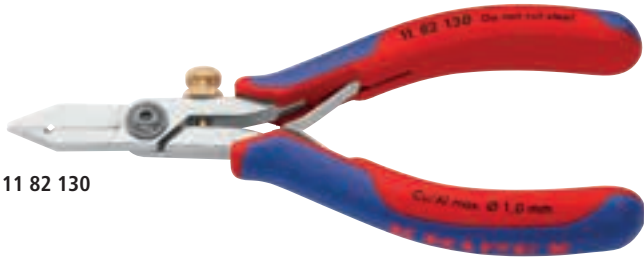


Article No.	EAN	↔ mm		Pliers	Head	Handles	Stripping capacities mm²	AWG	Cutting capacities		Δ g
									Ø mm	Ø mm	
14 22 160	034988	160		black atramentized	polished	with multi-component grips	1.5 / 2.5	16 / 14	2.5	1.5	206
14 25 160	028697	160		chrome-plated	chrome-plated	with multi-component grips	1.5 / 2.5	16 / 14	2.5	1.5	224
14 26 160	040279	160		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	1.5 / 2.5	16 / 14	2.5	1.5	238

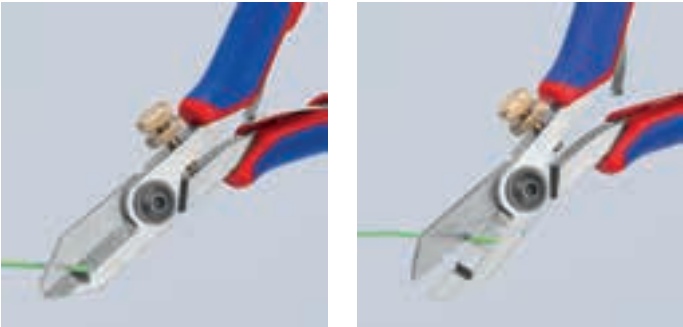


# Electronics Wire Stripping Shears

- > For cutting and stripping solid, multicore and finely stranded conductors with conductor cross-section up to 0.75 mm²
- > Pointed head of shears above the wire stripping hole for the accurate cutting of fine wire in confined places
- > Easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut
- > With opening spring
- > Special tool steel, oil-hardened



11 82 130



Article No.	EAN	↔ mm		Head	Handles	Stripping capacities mm²	⚖ g
11 82 130	071648	140	MM	polished	with multi-component grips	0.01 – 0.75	85

# Electronics Wire Stripper

- > For single, multiple and fine stranded cables having a diameter from 0.1 up to 0.8 mm, with plastic or rubber insulation
- > Easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut
- > With opening spring
- > The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > Special tool steel, forged, oil-hardened



11 92 140



Article No.	EAN	↔ mm		Head	Handles	Stripping capacities Ø mm	⚖ g
11 92 140	016908	140	MM	mirror polished	with multi-component grips	0.1 – 0.8	70

# GRIPPING AND GRIP PLIERS

Round Pliers with cutting edge	052
Round Nose Pliers	053
Flat Nose Pliers	054
Snipe Nose Side Cutting Pliers	055
Long Reach Needle-Nose Pliers	058
Telephone Pliers	059
Long Nose Pliers	060
Gripping Pliers	061
Relay Adjusting Pliers	062
Duckbill Pliers	062
Mechanics' Pliers	064
Universal Grip Pliers	065
Grip Pliers	066
Welding Grip Pliers	067

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**03**

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26 15 200

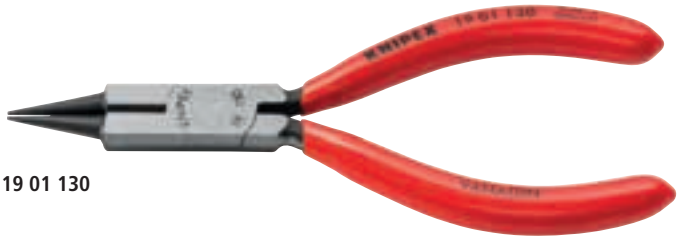


# Round Pliers with cutting edge

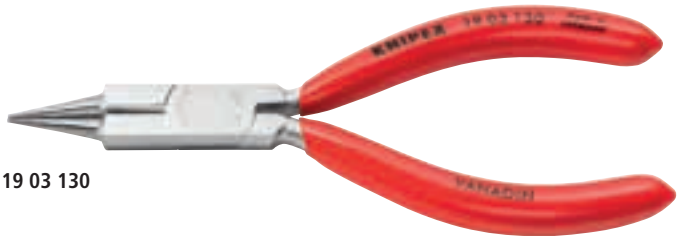
## (Jewellers' Pliers)

- ▶ Precision-ground round jaws with fine, pointed tips
- ▶ For gripping and manipulating fine wires, e.g. in jewellery work

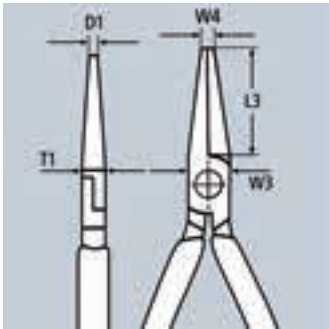
- > Ideal for cutting and bending activities, also in electronics
- > Ideal for bending wire loops
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC
- > Vanadium electric steel, forged, multi stage oil-hardened










19 01 130



19 03 130



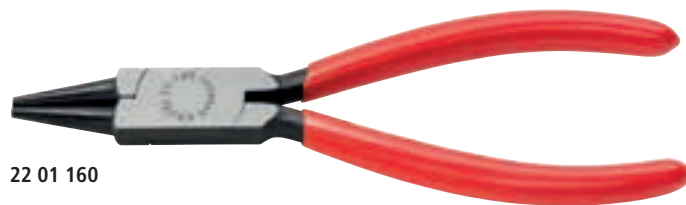
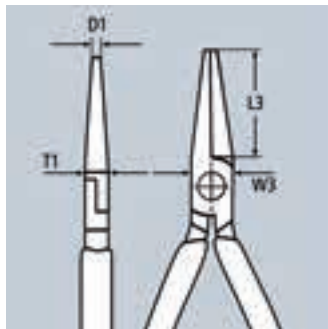
Article No.	EAN 4003773-	↔ mm			8	Pliers	Head	Handles	Cutting capacities		Dimensions						 g
									☐ Ø mm	☐ Ø mm	D1 mm	L3 mm	T1 mm	W3 mm	W4 mm		
19 01 130	034995	130			8	black atramentized	polished	plastic coated	2.2	1.6	1.0	32.0	8.0	13.5	2.0	73	
19 03 130	014348	130			8	chrome-plated	chrome-plated	plastic coated	2.2	1.6	1.0	32.0	8.0	13.5	2.0	72	



# Round Nose Pliers

- ▶ Round, short jaws, finely ground
- ▶ Suitable for bending and gripping of round working pieces

- > Ideal for bending wire loops
- > Special tool steel, forged, oil-hardened
- > DIN ISO 5745



22 01 160



22 02 140



22 02 160








22 05 140



22 05 160



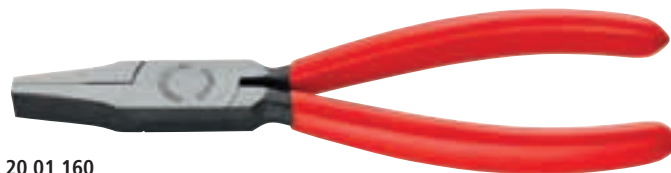
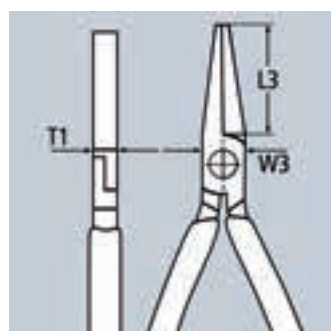
22 06 160

							Dimensions				
Article No.	EAN	↔ mm		Pliers	Head	Handles	L3 mm	W3 mm	D1 mm	T1 mm	⚖ g
22 01 125	033899	125	 8	black atramentized	polished	plastic coated	27.0	14.5	2.0	8.0	75
22 01 140	022800	140					28.0	16.5	2.5	9.5	100
22 01 160	033905	160					30.0	18.0	3.0	9.5	135
22 02 140	043430	140	 8	black atramentized	polished	with multi-component grips	28.0	16.5	2.5	9.5	129
22 02 160	023173	160					30.0	18.0	3.0	9.5	170
22 05 140	042891	140	 8	chrome-plated	chrome-plated	with multi-component grips	28.0	16.5	2.5	9.5	127
22 05 160	042907	160					30.0	18.0	3.0	9.5	169
22 06 160	033790	160	 8 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	30.0	18.0	3.0	9.5	175

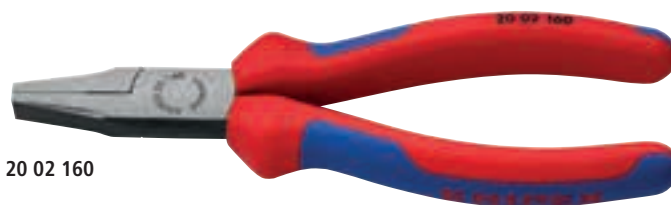
# Flat Nose Pliers

- ▶ Flat, short, wide jaws
- ▶ Suitable for gripping flat materials in easily accessible places

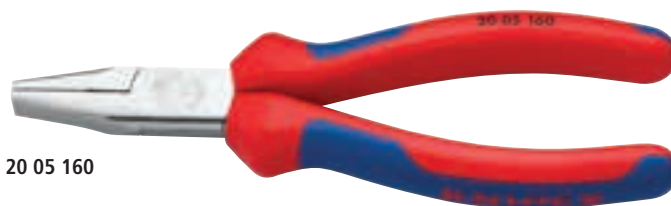
- > Knurled gripping surfaces
- > Special tool steel, forged, oil-hardened
- > DIN ISO 5745



20 01 160



20 02 160











20 05 160



20 06 160



Article No.	EAN	↔ mm		Pliers	Head	Handles	Dimensions				
							L3 mm	W3 mm	T1 mm	 g	
20 01 125	033875	125		black atramentized	polished	plastic coated	27.0	14.5	8.0	80	
20 01 140	022794	140					28.0	15.5	9.5	105	
20 01 160	033882	160					30.0	17.0	9.5	140	
20 01 180	042440	180					35.0	19.0	10.0	185	
20 02 140	043386	140		black atramentized	polished	with multi-component grips	28.0	15.5	9.5	137	
20 02 160	035008	160					30.0	17.0	9.5	172	
20 05 140	042464	140		chrome-plated	chrome-plated	with multi-component grips	28.0	15.5	9.5	136	
20 05 160	042457	160					30.0	17.0	9.5	176	
20 06 160	033783	160		 1000 V 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	30.0	17.0	9.5	176



# Snipe Nose Side Cutting Pliers

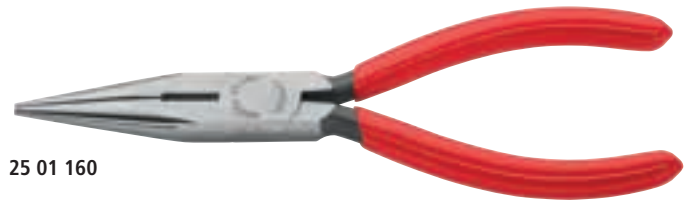
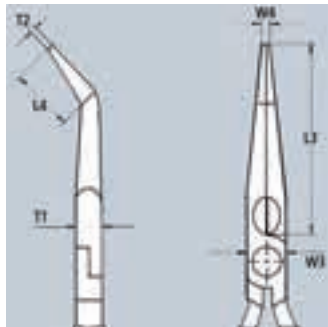
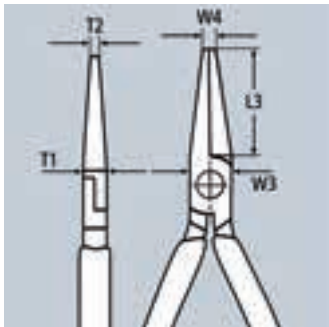
## (Radio Pliers)

- ▶ Half-round, long, tapered jaws
- ▶ Suitable for finer gripping and cutting work, also on easy and semi-difficult to reach areas

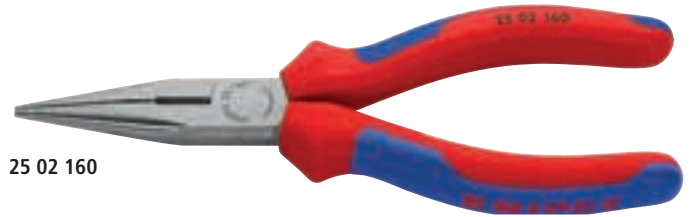
- > Knurled gripping surfaces
- > With cutting edges for soft, medium-hard and hard wire
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 5745

### 25 06 160 T\*

- > Pliers with integrated insulated tether attachment point for a tool tether



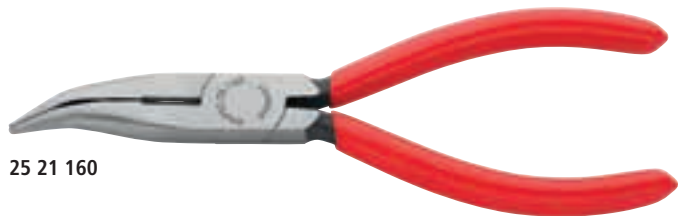
25 01 160



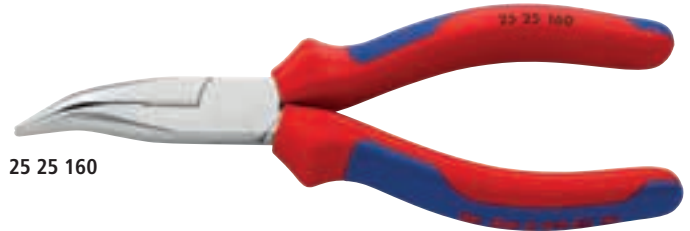
25 02 160



25 06 160



25 21 160



25 25 160

							Cutting capacities		Dimensions							
Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Ø mm	Ø mm	L3 mm	L4 mm	W3 mm	T1 mm	W4 mm	T2 mm	g	
25 01 125	015932	125		black atamentized	polished	plastic coated	2.2	1.6	27.0		13.0	7.0	2.5	1.8	73	
25 01 140	033158	140					2.5	1.6	42.0		15.0	8.0	2.5	2.0	90	
25 01 160	033912	160					2.5	1.6	50.0		16.5	9.0	3.0	2.5	115	
25 02 140	023159	140		black atamentized	polished	with multi-component grips	2.5	1.6	42.0		15.0	8.0	2.5	2.0	109	
25 02 160	023166	160					2.5	1.6	50.0		16.5	9.0	3.0	2.5	144	
25 03 125	043065	125		chrome-plated	chrome-plated	plastic coated	2.2	1.6	27.0		13.0	7.0	2.5	1.8	72	
25 05 140	035015	140		chrome-plated	chrome-plated	with multi-component grips	2.5	1.6	42.0		15.0	8.0	2.5	2.0	111	
25 05 160	022817	160					2.5	1.6	50.0		16.5	9.0	3.0	2.5	144	
25 06 160	033806	160		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.5	1.6	50.0		16.5	9.0	3.0	2.5	146	
25 06 160 T	081432	160		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	2.5	1.6	50.0		16.5	9.0	3.0	2.5	155	
25 21 160	050476	160		black atamentized	polished	plastic coated	2.5	1.6	50.0	23.0	16.5	9.0	3.0	2.5	116	
25 25 160	016007	165		chrome-plated	chrome-plated	with multi-component grips	2.5	1.6	50.0	23.0	16.5	9.0	3.0	2.5	143	
25 26 160	052111	160		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.5	1.6	50.0	23.0	16.5	9.0	3.0	2.5	144	

\* Other tools with tethering can be found from page 294

# Snipe Nose Side Cutting Pliers

## (Stork Beak Pliers)

- ▶ Half-round, long, tapered jaws
- ▶ Distortion-tolerant, elastic precision tips
- ▶ Suitable for finer gripping and cutting work, also on easy and semi-difficult to reach areas

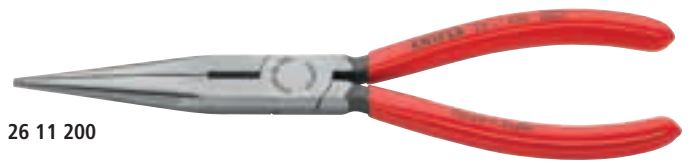
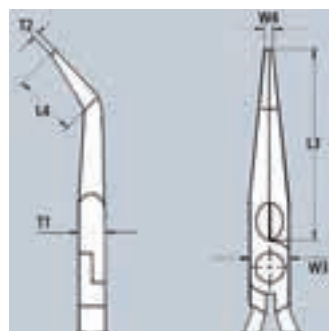
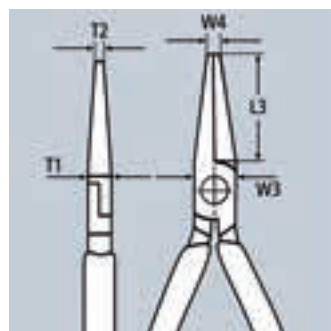
> With cutting edges for soft, medium-hard and hard wire  
 > Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC  
 > Vanadium electric steel, forged, multi stage oil-hardened  
 > DIN ISO 5745

### 26 16 200 T / 26 26 200 T\*

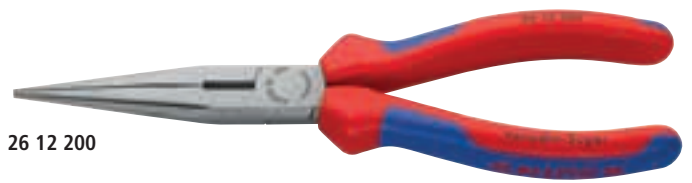
> Pliers with integrated insulated tether attachment point for a tool tether

### 26 12 200 T / 26 15 200 T / 26 22 200 T / 26 25 200 T\*

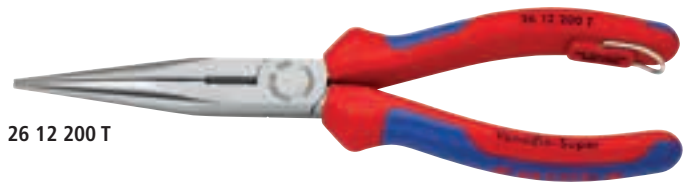
> Pliers with tether attachment point for a tool tether



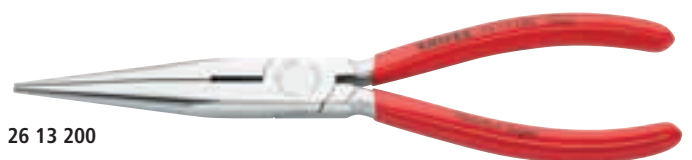
26 11 200



26 12 200



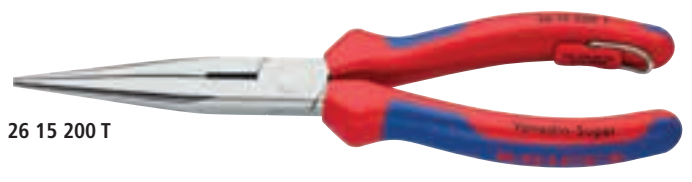
26 12 200 T



26 13 200



26 15 200



26 15 200 T



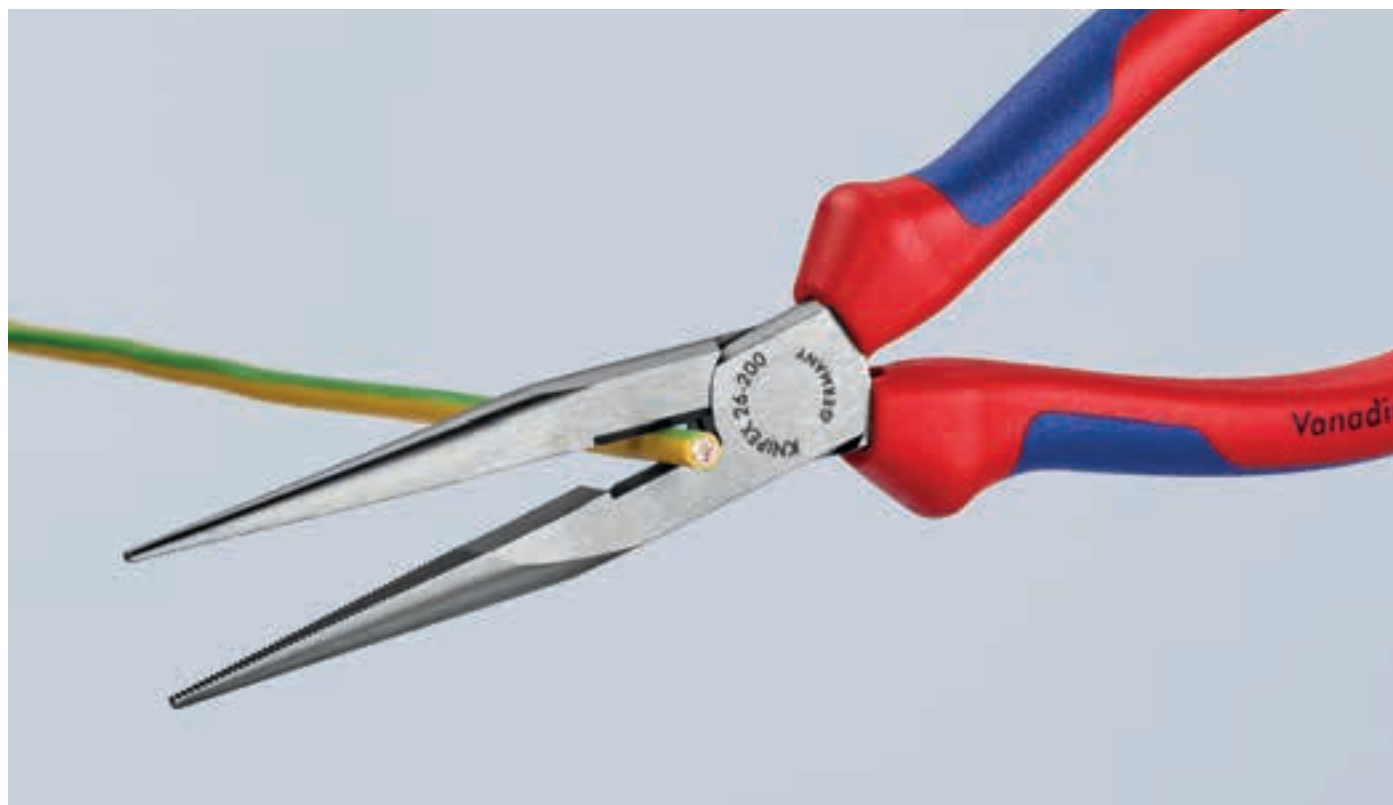
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












































































26 17 200



26 25 200



Article No.	EAN 4003773-	↔ mm	  	Pliers	Head	Handles	Cutting capacities		Dimensions								 g
							 Ø mm	 Ø mm	L3 mm	L4 mm	W3 mm	T1 mm	W4 mm	T2 mm			
26 11 200	022824	200	  	black atramentized	polished	plastic coated	3.2	2.2	73.0		18.0	9.5	3.0	2.5	170		
26 12 200	023142	200	  	black atramentized	polished	with multi-component grips	3.2	2.2	73.0		18.0	9.5	3.0	2.5	201		
26 12 200 T	079989	200	  	black atramentized	polished	with multi-component grips and integrated tether attachment point	3.2	2.2	73.0		18.0	9.5	3.0	2.5	200		
26 13 200	040590	200	  	chrome- plated	chrome-plated	plastic coated	3.2	2.2	73.0		18.0	9.5	3.0	2.5	169		
26 15 200	035022	200	  	chrome- plated	chrome-plated	with multi-component grips	3.2	2.2	73.0		18.0	9.5	3.0	2.5	198		
26 15 200 T	079996	200	  	chrome- plated	chrome-plated	with multi-component grips and integrated tether attachment point	3.2	2.2	73.0		18.0	9.5	3.0	2.5	204		
26 16 200	022831	200	    1000 V 	chrome- plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.2	2.2	73.0		18.0	9.5	3.0	2.5	206		
26 16 200 T	081449	200	    1000 V 	chrome- plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	3.2	2.2	73.0		18.0	9.5	3.0	2.5	215		
26 17 200	016069	200	    1000 V 	chrome- plated	chrome-plated	with dipped insulation, VDE-tested	3.2	2.2	73.0		18.0	9.5	3.0	2.5	212		
26 21 200	022848	200	   	black atramentized	polished	plastic coated	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	171		
26 22 200	023135	200	   	black atramentized	polished	with multi-component grips	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	197		
26 22 200 T	080008	200	   	black atramentized	polished	with multi-component grips and integrated tether attachment point	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	202		
26 25 200	035039	200	   	chrome- plated	chrome-plated	with multi-component grips	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	199		
26 25 200 T	080015	200	   	chrome- plated	chrome-plated	with multi-component grips and integrated tether attachment point	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	205		
26 26 200	022855	200	     1000 V 	chrome- plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	204		
26 26 200 T	081456	200	     1000 V 	chrome- plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	215		
26 27 200	016090	200	     1000 V 	chrome- plated	chrome-plated	with dipped insulation, VDE-tested	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	220		



## Long Reach Needle-Nose Pliers

- Especially suitable for gripping and assembly work with a higher prehensile power

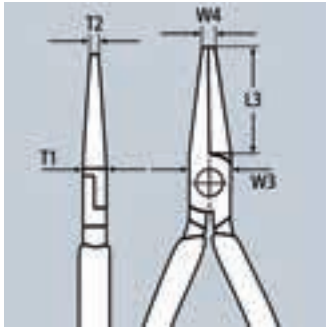
- > Ideal for work in confined areas, e.g. in narrow and deep switch boxes
- > Knurled gripping surfaces
- > High-grade special tool steel, forged, oil-hardened



28 01 200



28 21 200



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Dimensions					g
							L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	
28 01 200	044468	200		black atramentized	polished	plastic coated	33.0	13.5	10.5	4.0	10.5	180
28 21 200	028246	200		black atramentized	polished	plastic coated	34.0	13.5	10.5	3.0	3.0	187

## Long Reach Needle-Nose Pliers

with transverse profiles

- For gripping, adjustment and assembly work in hard to reach areas due to slim, very long design

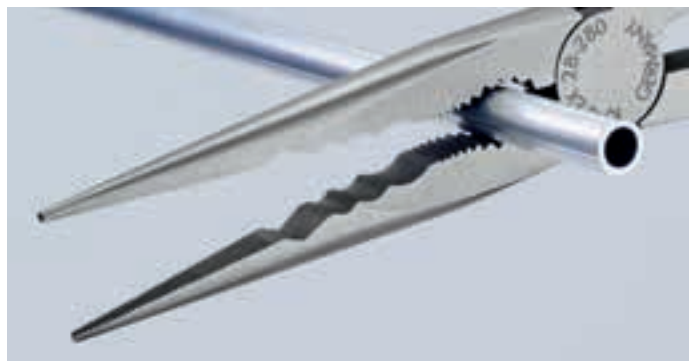
- > Careful yet reliable gripping, holding and guiding of small copper pipes, screws and cables as well as other round parts due to milled grooves with smooth surfaces
- > Serrated pipe grip to grip round parts
- > Particularly suitable for work in the automotive trade and in mechanical engineering
- > Slim yet robust tool
- > Forged from special tool steel, oil-hardened and tempered
- > DIN ISO 5745



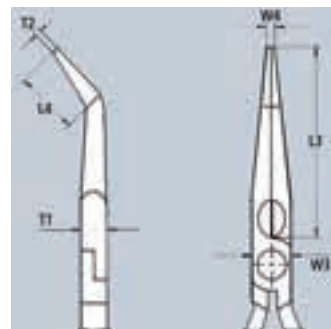
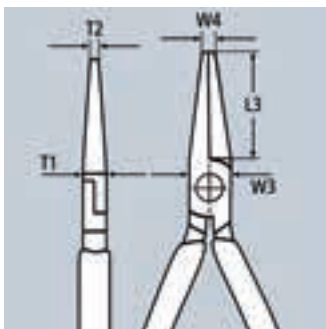
28 71 280







28 81 280



Wave-shaped gripping profile: transverse profile for gripping, holding and guiding

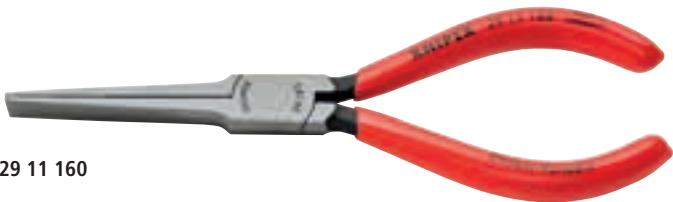


Article No.	EAN 4003773-	 mm		Pliers	Head	Handles	Dimensions						 g
							L3 mm	L4 mm	W3 mm	T1 mm	W4 mm	T2 mm	
<b>28 71 280</b>	079415	280		black atramentized	polished	plastic coated	76.5		20.0	9.0	3.0	2.5	235
<b>28 81 280</b>	079422	280		black atramentized	polished	plastic coated	70.0	20.0	20.0	9.0	2.5	2.5	235

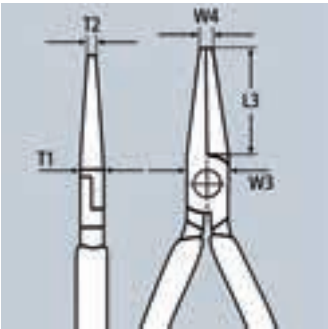
# Telephone Pliers

## ► Extra slim tips

- > Knurled gripping surfaces
- > Chrome vanadium electric steel, forged, oil-hardened
- > DIN ISO 5745



29 11 160



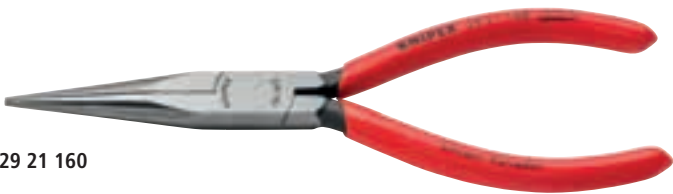
Article No.	EAN	↔ mm		Pliers	Head	Handles	Dimensions					⚖ g
							L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	
29 11 160	016175	160		black atramentized	polished	plastic coated	55.0	14.0	8.0	2.5	8.5	103

# Telephone Pliers

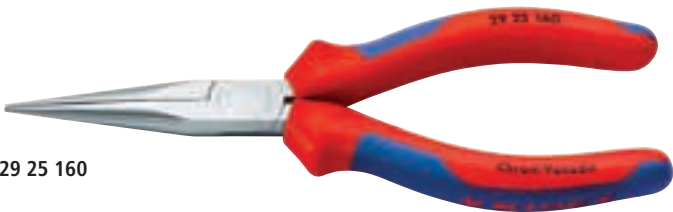
## ► Extra slim, fine tips

## ► Also suitable for soldering work

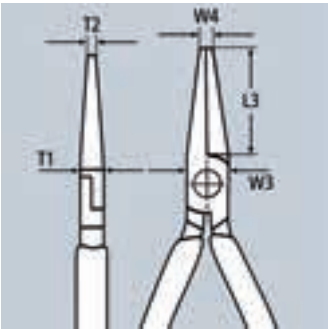
- > Gripping surfaces cross-hatched
- > Chrome vanadium electric steel, forged, oil-hardened
- > DIN ISO 5745



29 21 160



29 25 160



Article No.	EAN	↔ mm		Pliers	Head	Handles	Dimensions					⚖ g
							L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	
29 21 160	043454	160		black atramentized	polished	plastic coated	54.0	14.0	9.0	2.0	2.0	112
29 25 160	043478	160		chrome-plated	chrome-plated	with multi-component grips	54.0	14.0	9.0	2.0	2.0	139

# Long Nose Pliers

## ► Heavy duty and wear resisting

- > Suitable for gripping in easily accessible places
- > Chrome vanadium electric steel, forged, oil-hardened
- > DIN ISO 5745

### Style 1

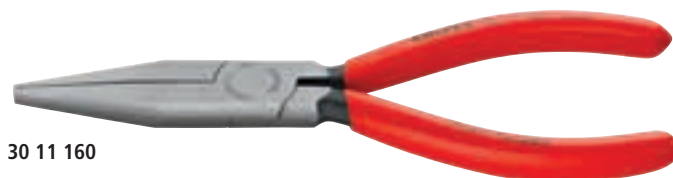
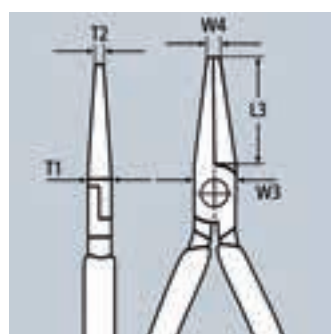
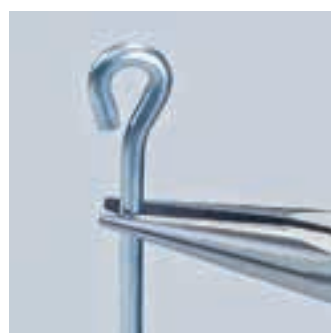
- > Long, trapezoidal jaws; knurled gripping surfaces

### Style 2

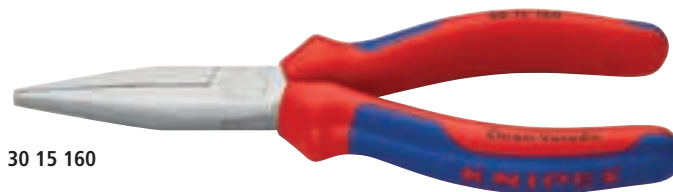
- > Long, half-round jaws; knurled gripping surfaces

### Style 3

- > Long, round jaws; smooth gripping surfaces



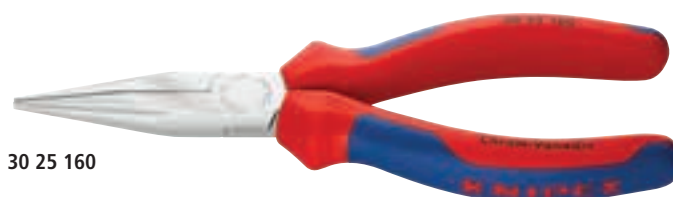
30 11 160



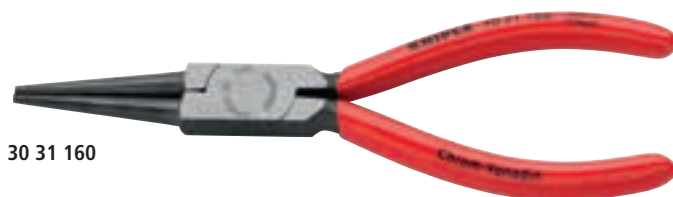
30 15 160



30 16 160



30 25 160



30 31 160



Article No.	EAN 4003773-	↔ mm		Style	Pliers	Head	Handles	Dimensions					Δ g
								L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	
30 11 140	033936	140		1	black atramentized	polished	plastic coated	42.0	15.0	8.0	2.5	4.0	86
30 11 160	023128	160		1	black atramentized	polished	plastic coated	46.5	16.5	9.5	3.0	5.0	121
30 13 140	016298	140		1	chrome-plated	chrome-plated	plastic coated	42.0	15.0	8.0	2.5	4.0	87
30 13 160	043485	160		1	chrome-plated	chrome-plated	plastic coated	46.5	16.5	9.5	3.0	5.0	118
30 15 140	042914	140		1	chrome-plated	chrome-plated	with multi-component grips	42.0	15.0	8.0	2.5	4.0	106
30 15 160	035046	160		1	chrome-plated	chrome-plated	with multi-component grips	46.5	16.5	9.5	3.0	5.0	149
30 16 160	001904	160	 	1	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	46.5	16.5	9.5	3.0	5.0	150
30 21 140	042433	140		2	black atramentized	polished	plastic coated	42.0	15.0	8.0	2.5	2.0	95
30 21 160	035053	160		2	black atramentized	polished	plastic coated	50.0	16.5	9.5	3.0	2.5	121
30 23 140	016373	140		2	chrome-plated	chrome-plated	plastic coated	42.0	15.0	8.0	2.5	2.0	95
30 25 160	035060	160		2	chrome-plated	chrome-plated	with multi-component grips	50.0	16.5	9.5	3.0	2.5	151
30 25 140	001980	140		2	chrome-plated	chrome-plated	with multi-component grips	42.0	15.0	8.0	2.5	2.0	114
30 31 160	035077	160		3	black atramentized	polished	plastic coated	41.0	16.5	9.5	5.0	2.5	110
30 33 160	043539	160		3	chrome-plated	chrome-plated	plastic coated	41.0	16.5	9.5	5.0	2.5	111
30 35 140	043102	140		3	chrome-plated	chrome-plated	with multi-component grips	37.5	15.0	8.0	4.0	2.0	102
30 35 160	035084	160		3	chrome-plated	chrome-plated	with multi-component grips	41.0	16.5	9.5	5.0	2.5	138
30 36 160	002123	160	 	3	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	41.0	16.5	9.5	5.0	2.5	141

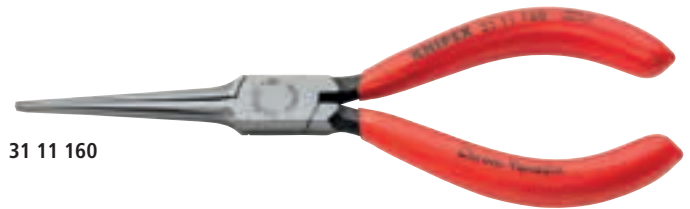


# Gripping Pliers

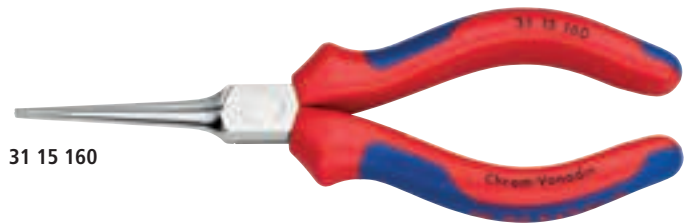
## (Needle-Nose Pliers)

- ▶ Precision pliers for very exact assembly, bending and adjusting work
- ▶ Slim and ergonomically shaped for work in poorly accessible areas

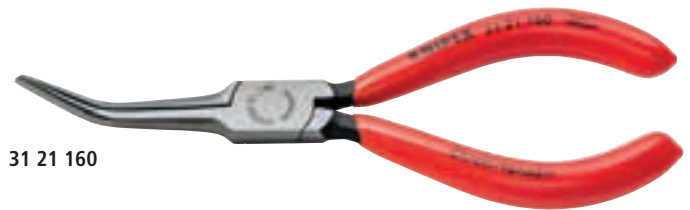
- > Smooth ground gripping surfaces
- > Edges carefully deburred
- > Chrome vanadium electric steel, forged, oil-hardened



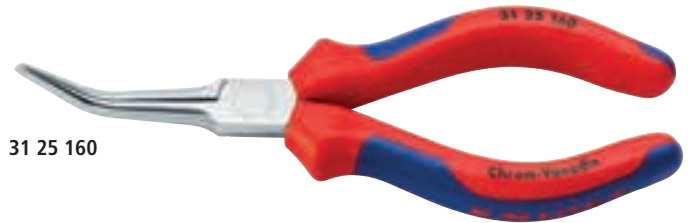
31 11 160



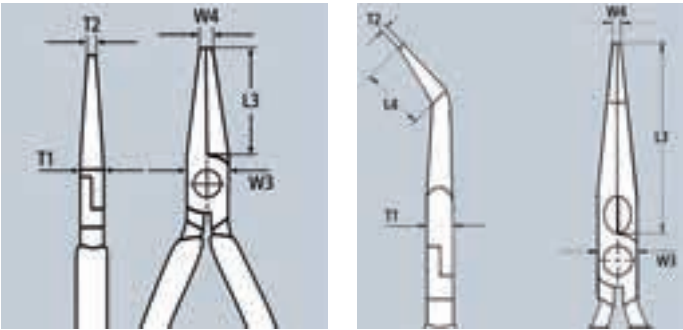
31 15 160



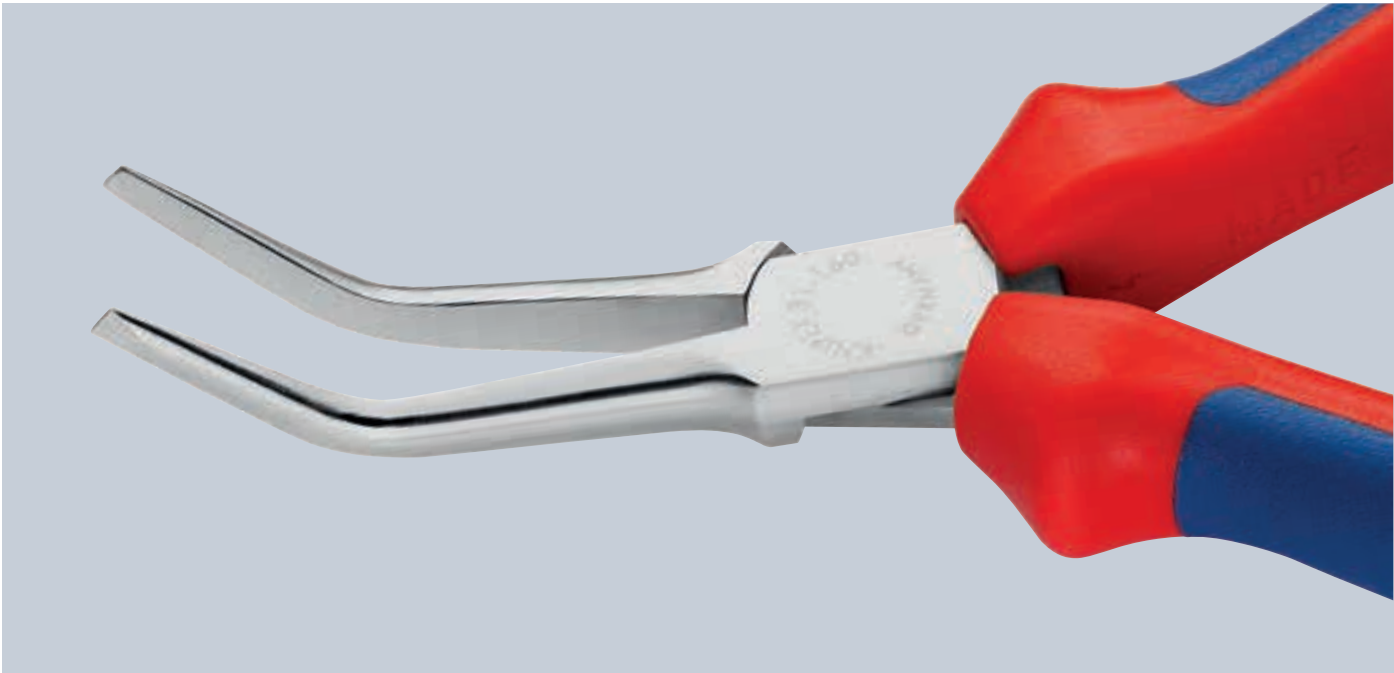
31 21 160



31 25 160



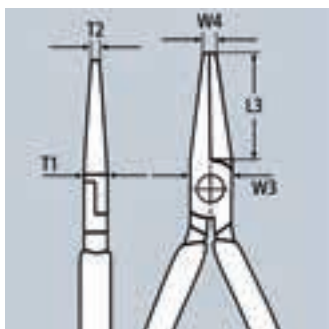
Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Dimensions						Δ g
							L3 mm	L4 mm	W3 mm	T1 mm	W4 mm	T2 mm	
31 11 160	044475	160		black atramentized	polished	plastic coated	55.0		16.0	7.5	1.8	2.5	100
31 15 160	016465	160		chrome-plated	chrome-plated	with multi-component grips	55.0		16.0	7.5	1.8	2.5	124
31 21 160	046790	160		black atramentized	polished	plastic coated	55.0	27.0	16.0	7.5	1.8	2.5	97
31 25 160	016489	160		chrome-plated	chrome-plated	with multi-component grips	55.0	27.0	16.0	7.5	1.8	2.5	123



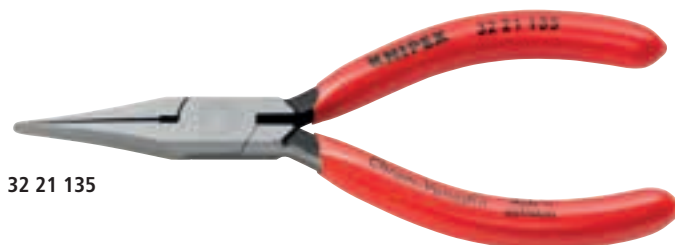
## Relay Adjusting Pliers

- For gripping components and wires of the smallest diameters and for bending contact and relay springs

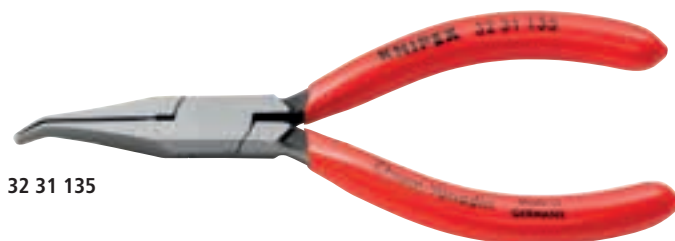
- > Polished gripping surfaces
- > Edges carefully deburred
- > High-grade special tool steel, forged, oil-hardened



32 11 135



32 21 135



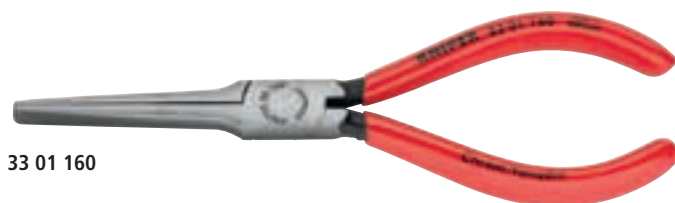
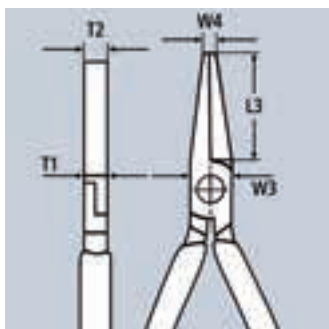
32 31 135

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Dimensions					g
							L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	
32 11 135	035091	135		black atramentized	polished	plastic coated	34.0	12.5	7.0	1.0	1.5	73
32 21 135	043553	135		black atramentized	polished	plastic coated	34.0	12.5	7.0	1.0	3.5	74
32 31 135	043560	135		black atramentized	polished	plastic coated	32.0	12.5	7.0	1.0	3.5	73

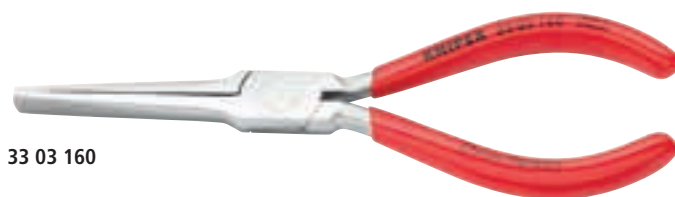
## Duckbill Pliers

- Long, broad and thin tapered jaws

- > Smooth gripping surfaces
- > Duckbill shaped jaws 9 mm wide at the tip and tapering to 1.5 mm width
- > Chrome vanadium electric steel, forged, oil-hardened



33 01 160



33 03 160

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Dimensions					g
							L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	
33 01 160	016663	160		black atramentized	polished	plastic coated	55.0	15.0	7.5	3.0	9.0	103
33 03 160	016670	160		chrome-plated	chrome-plated	plastic coated	55.0	15.0	7.5	3.0	9.0	103

# Gripping Pliers

► Precision pliers for fine assembly work,  
e.g. in electronics and fine mechanics

- > For gripping, holding, bending and adjusting
- > Tips precision-ground
- > Smooth gripping surfaces
- > Edges carefully deburred
- > Lap joint
- > High-grade special tool steel, forged, oil-hardened
- > DIN ISO 9655

## Style 1

- > Flat, wide jaws

## Style 2

- > Flat, concave and pointed jaws

## Style 3

- > Half-round jaws

## Style 4

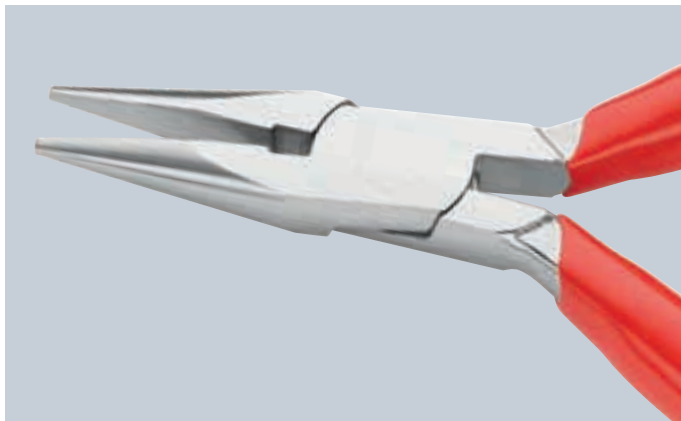
- > Round, pointed jaws to bend wire loops



37 11 125



37 13 125



37 21 125



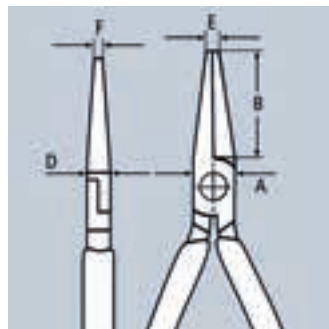
37 23 125



37 31 125



37 33 125



37 41 125



37 43 125

Article No.	EAN 4003773-	↔ mm		Style	Head	Handles	Dimensions					⚖ g
							B mm	A mm	D mm	E mm	F mm	
37 11 125	014287	125		1	polished	plastic coated	27.0	12.5	7.0	2.0	5.5	76
37 13 125	043638	125		1	chrome-plated	plastic coated	27.0	12.5	7.0	2.0	5.5	71
37 21 125	035138	125		2	polished	plastic coated	27.0	12.5	7.0	2.0	2.0	74
37 23 125	043645	125		2	chrome-plated	plastic coated	27.0	12.5	7.0	2.0	2.0	72
37 31 125	035145	125		3	polished	plastic coated	27.0	12.5	7.0	2.0	1.6	74
37 33 125	016960	125		3	chrome-plated	plastic coated	27.0	12.0	7.0	2.0	1.6	78
37 41 125	035152	125		4	polished	plastic coated	27.0	14.5	8.0	2.0	1.0	76
37 43 125	043652	125		4	chrome-plated	plastic coated	27.0	14.5	8.0	2.0	1.0	76



# Mechanics' Pliers

## ► High bending strength of the pliers tips

- > Gripping surfaces cross-hatched
- > Vanadium electric steel; forged, oil-hardened
- > DIN ISO 5745

### 38 21 200 / 38 25 200

- > 40° angled jaws

### 38 31 200 / 38 35 200 / 38 35 200 T

- > Curved tip

### 38 35 200 T\*

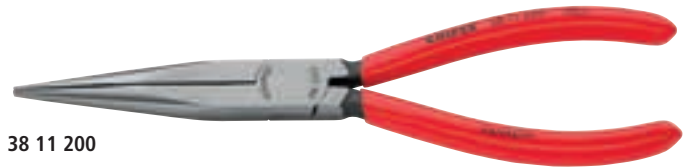
- > Pliers with tether attachment point for mounting a fall protection system

### 38 71 200

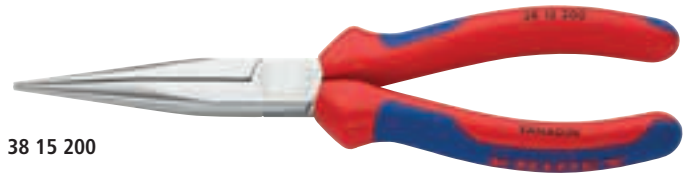
- > 70° angled, half-round jaws, suitable for pulling split pins; for gripping at points that are difficult to access

### 38 91 200 / 38 95 200

- > 45° angled, half-round, long jaws, also suitable for gripping spark plugs and round components



38 11 200



38 15 200



38 21 200



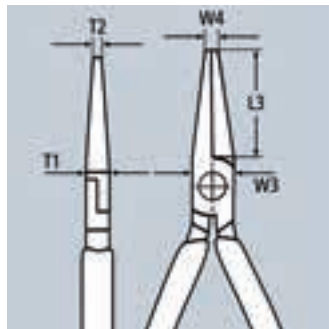
38 25 200



38 31 200



38 35 200



38 41 190



38 71 200



38 91 200



38 95 200



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Dimensions					g
							L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	
38 11 200	035169	200	⊗ ⊖	black atramentized	polished	plastic coated	73.0	17.5	9.5	3.0	2.5	179
38 15 200	039594	200	⊗ ⊖	chrome-plated	chrome-plated	with multi-component grips	73.0	17.5	9.5	3.0	2.5	209
38 21 200	035176	200	⊗ ⊖ ∠40°	black atramentized	polished	plastic coated	73.0	17.5	9.5	3.0	2.5	175
38 25 200	043669	200	⊗ ⊖ ∠40°	chrome-plated	chrome-plated	with multi-component grips	73.0	17.5	9.5	3.0	2.5	209
38 31 200	040712	200	⊗ ⊖	black atramentized	polished	plastic coated	73.0	17.5	9.5	3.0	2.5	176
38 35 200	017134	200	⊗ ⊖	chrome-plated	chrome-plated	with multi-component grips	73.0	17.5	9.5	3.0	2.5	205
38 35 200 T	083771	200	⊗ ⊖	chrome-plated	chrome-plated	with multi-component grips, with integrated tether attachment point for a tool tether	73.0	17.5	9.5	3.0	2.5	210
38 71 200	017202	200	⊗ ⊖ ∠70°	black atramentized	polished	plastic coated	73.0	17.5	9.5	3.0	2.0	174
38 91 200	017219	200	⊗ ⊖ ∠45°	black atramentized	polished	plastic coated	73.0	17.5	9.5		2.5	177
38 95 200	017233	200	⊗ ⊖ ∠45°	chrome-plated	chrome-plated	with multi-component grips	73.0	17.5	9.5		2.5	207

# Universal Grip Pliers

- > Hold round, profile and flat material securely
- > Heavy duty model
- > With adjustment screw and release lever
- > One-hand operation
- > High clamping pressure due to toggle lever action
- > Pliers body: rolled steel, high-strength
- > Gripping jaws: chrome vanadium electric steel, forged

## 40 14 250

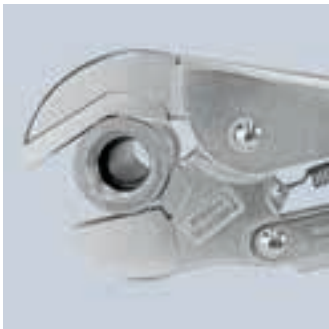
- > With one pivoting jaw



40 04 250



40 14 250



Article No.	EAN	↔ mm		Pliers	○ mm	□ mm	⬡ mm	⚖ g
40 04 180	022190	180	▨	galvanized	35.0	25.0	32.0	310
40 04 250	002710	250	▨	galvanized	35.0	30.0	32.0	521
40 14 250	080329	250	▨	galvanized	43.0	42.0	45.0	600



# Grip Pliers

- > Hold round, profile and flat material securely
- > Heavy duty model
- > With adjustment screw and release lever
- > One-hand operation
- > High clamping pressure due to toggle lever action
- > Pliers body: rolled steel, high-strength
- > Gripping jaws: chrome vanadium electric steel, forged

## Style 0

- > Jaws for round workpieces, with wire cutter

## Style 1

- > Jaws with double prism for round, section and flat material

## Style 2

- > Straight jaws for flat material

## Style 3

- > Long-Nose Grip Pliers, narrow, long jaws

## Style 4

- > Long-Nose Grip Pliers, narrow, long jaws; Very suitable for areas that are difficult to reach; non-serrated gripping area for pinching off hoses



41 04 250



41 14 250



41 24 225



41 34 165



41 44 200



Article No.	EAN 4003773-	↔ mm		Style	Pliers	Cutting capacities				
						● Ø mm	○ mm	□ mm	⬡ mm	⚖ g
41 04 180	002741	180		0	galvanized	2.0	30.0	20.0	30.0	363
41 04 250	002758	250	▨			3.0	40.0	20.0	30.0	517
41 04 300	022183	300				3.2	65.0	30.0	34.0	923
41 14 250	023470	250	▨	1	galvanized		36.0	36.0	36.0	557
41 24 225	023487	225	▨	2	galvanized		25.0	16.0	30.0	504
41 34 165	047858	165	▨	3	galvanized		20.0	10.0	24.0	189
41 44 200	080343	200	▨ ∠70°	4	galvanized		20.0	20.0	30.0	400



# Welding Grip Pliers

- > For gripping, clamping and holding of diverse profiles
- > Heavy duty model
- > With adjustment screw and release lever
- > One-hand operation
- > High clamping pressure due to toggle lever action
- > Pliers body: rolled steel, high-strength

## 42 14 280

- > Section or flat material items lying side by side are held in place during welding
- > Also for section material with vertical webs up to 15mm height

## 42 24 280

- > Round or tubular material items lying centrally side by side are held securely during welding

## 42 34 280

- > Gripping jaws of chrome vanadium steel, drop forged
- > Clamps cumbersome workpieces and sections with high webs up to 40 mm

## 42 44 280

- > With moveable jaws
- > Gripping jaws of chrome vanadium steel, drop forged
- > Clamps and balances bulky work components and profiles with high ridges of up to 40 mm



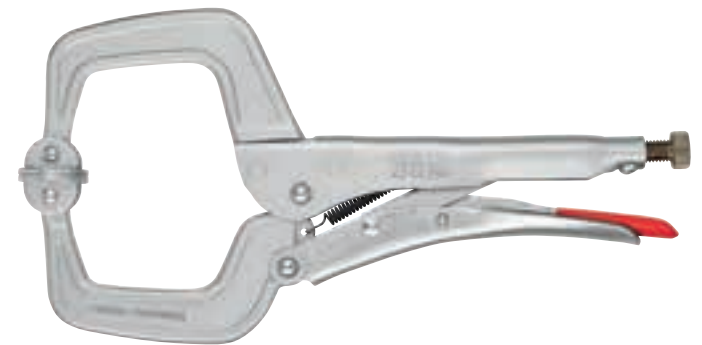
42 14 280



42 24 280



42 34 280



42 44 280



Article No.	EAN 4003773-	↔ mm	Pliers	○ mm	□ mm	⚖ g
42 14 280	022206	280	galvanized	30.0 – 65.0	50.0	768
42 24 280	022213	280	galvanized	10.0 – 70.0		780
42 34 280	022220	280	galvanized		90.0	692
42 44 280	080350	280	galvanized		90.0	740



# CIRCLIP PLIERS

Circlip Pliers for internal circlips in bore holes	070
Circlip Pliers for external circlips on shafts	071
Precision Circlip Pliers for internal circlips in bore holes	072
– with overexpansion guard	073
Precision Circlip Pliers for internal circlips in bore holes	074
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**04**

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48 11 J2

# Circlip Pliers

## for internal circlips in bore holes



- > Solid style, forged
- > Non-slip, solid tips
- > Pliers body and tips: chrome vanadium steel, forged, oil-hardened

### Style 1

- > DIN 5256 C, straight jaws

### Style 2

- > DIN 5256 D; 90° angled jaws

### Style 3

- > On basis of DIN 5256 C and DIN 5256 D, but 45° bent jaws



44 11 J2



44 13 J2



44 21 J21



44 23 J21



44 31 J22



Article No.	EAN 4003773-	↔ mm		Style	Pliers	Head	Handles	Size of bore Ø mm	Tips Ø mm	⚖ g
44 11 J0	040286	140	☺	1	black atramentized	polished	plastic coated	8 – 13	0.9	88
44 11 J1	022862	140						12 – 25	1.3	88
44 11 J2	022879	180						19 – 60	1.8	135
44 11 J3	033943	225						40 – 100	2.3	196
44 11 J4	042549	320						85 – 140	3.2	469
44 13 J0	048176	140	☺	1	chrome-plated	chrome-plated	plastic coated	8 – 13	0.9	89
44 13 J1	042938	140						12 – 25	1.3	88
44 13 J2	042945	180						19 – 60	1.8	138
44 13 J3	042952	225						40 – 100	2.3	194
44 13 J4	017301	320						85 – 140	3.2	463
44 21 J01	040132	130	☺ 90°	2	black atramentized	polished	plastic coated	8 – 13	0.9	88
44 21 J11	022886	130						12 – 25	1.3	88
44 21 J21	022893	170						19 – 60	1.8	139
44 21 J31	033769	215						40 – 100	2.3	196
44 21 J41	043683	300						85 – 140	3.2	462
44 23 J11	042969	130	☺ 90°	2	chrome-plated	chrome-plated	plastic coated	12 – 25	1.3	89
44 23 J21	042976	170						19 – 60	1.8	138
44 23 J31	042983	215						40 – 100	2.3	200
44 31 J02	066941	140	☺ 45°	3	black atramentized	polished	plastic coated	8 – 13	0.9	90
44 31 J12	066958	140						12 – 25	1.3	90
44 31 J22	066965	180						19 – 60	1.8	140
44 31 J32	066972	225						40 – 100	2.3	195
44 31 J42	066989	310						85 – 140	3.2	465

# Circlip Pliers

## for external circlips on shafts

- > Solid style, forged
- > Non-slip, solid tips
- > Pliers body and tips: chrome vanadium steel, forged, oil-hardened

### Style 1

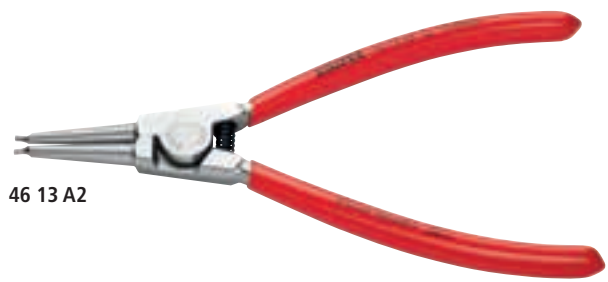
- > DIN 5254 A; straight tips

### Style 2

- > DIN 5254 B; 90° angled jaws

### Style 3

- > On basis of DIN 5254 A and DIN 5254 B, but 45° bent jaws



46 13 A2



46 21 A21



46 31 A22



Article No.	EAN 4003773-	↔ mm		Style	Pliers	Head	Handles	Size of shaft Ø mm	Tips Ø mm	⚖ g
46 11 A0	033950	140	Ø MM	1	black atramentized	polished	plastic coated	3 – 10	0.9	85
46 11 A1	022909	140						10 – 25	1.3	86
46 11 A2	022916	180						19 – 60	1.8	134
46 11 A3	033974	210						40 – 100	2.3	220
46 11 A4	042532	320						85 – 140	3.2	505
46 13 A0	017417	140	Ø MM	1	chrome-plated	chrome-plated	plastic coated	3 – 10	0.9	85
46 13 A1	042990	140						10 – 25	1.3	82
46 13 A2	043003	180						19 – 60	1.8	133
46 13 A3	043010	210						40 – 100	2.3	211
46 21 A01	033967	125	Ø MM ∠90°	2	black atramentized	polished	plastic coated	3 – 10	0.9	85
46 21 A11	023005	125						10 – 25	1.3	85
46 21 A21	022923	170						19 – 60	1.8	132
46 21 A31	033981	200						40 – 100	2.3	219
46 21 A41	039365	300						85 – 140	3.2	510
46 23 A01	017509	125	Ø MM ∠90°	2	chrome-plated	chrome-plated	plastic coated	3 – 10	0.9	84
46 23 A11	043027	125						10 – 25	1.3	84
46 23 A21	043034	170						19 – 60	1.8	132
46 23 A31	043041	200						40 – 100	2.3	221
46 31 A02	066996	130	Ø MM ∠45°	3	black atramentized	polished	plastic coated	3 – 10	0.9	83
46 31 A12	067009	130						10 – 25	1.3	85
46 31 A22	067016	185						19 – 60	1.8	133
46 31 A32	067023	210						40 – 100	2.3	213
46 31 A42	067030	310						85 – 140	3.2	511



# Precision Circlip Pliers

for internal circlips in bore holes

- ▶ Heavy duty in continuous operation: up to 10 times longer service life compared to turned tips
- ▶ With inserted tips for reliable work

- > Large contact faces on the tips: no distortion of circlips, easy fitting
- > Bolted joint: precise, zero backlash operation of pliers
- > Non-slip plastic coating on the handles
- > Inserted tips: spring steel wire, drawn
- > Pliers body: chrome vanadium electric steel, forged, oil-hardened

## Style 1

> DIN 5256 C, straight jaws

## Style 2

> DIN 5256 D; 90° angled jaws



48 11 J2



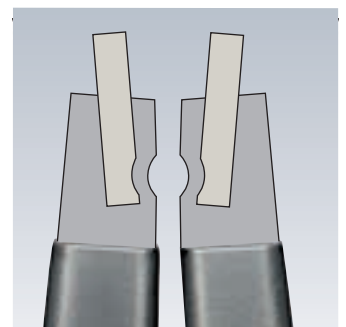
48 21 J21

## High precision quality

Easy and reliable assembly: form-fitting inserted and pressed-in tips made of high-density spring steel offer a high level of protection against excessive stress and strain, e.g. when removing stuck rings. The large supporting surfaces and the position of the tips make it more difficult for the rings to bounce off.



Sturdy, inserted tips: made from high-density spring steel



Tight fit through compression

## Precision and durability

A highly compacted spring steel with a ridge-free surface is used for the tips. This means that the tip can withstand higher dynamic and static load-bearing capacity. The tips are 30 % more stable with a single overload compared to conventional pliers, while at the same time offering good accessibility during assembly. Under dynamic load, the tip lasts up to 10 times longer! The tips of the Precision Circlip Pliers are secured by cold forming. The tips are non-detachable!

Article No.	EAN 4003773-	↔ mm		Style	Pliers	Handles	Size of bore Ø mm	Tips Ø mm	⚖ g
48 11 J0	048510	140	☺	1	grey atramentized	with non-slip plastic coating	8 – 13	0.9	105
48 11 J1	048527	140					12 – 25	1.3	105
48 11 J2	048534	180					19 – 60	1.8	175
48 11 J3	048541	225					40 – 100	2.3	266
48 11 J4	048558	320					85 – 140	3.2	580
48 21 J01	048619	130	☺ 90°	2	grey atramentized	with non-slip plastic coating	8 – 13	0.9	105
48 21 J11	048633	130					12 – 25	1.3	105
48 21 J21	048640	165					19 – 60	1.8	175
48 21 J31	048657	210					40 – 100	2.3	265
48 21 J41	048664	305					85 – 140	3.2	576

# Precision Circlip Pliers

for internal circlips in bore holes

with overexpansion guard

- ▶ Heavy duty in continuous operation: up to 10 times longer service life compared to turned tips
- ▶ With inserted tips for reliable work

- > Large contact faces on the tips: no distortion of circlips, easy fitting
- > Bolted joint: precise, zero backlash operation of pliers
- > Non-slip plastic coating on the handles
- > Inserted tips: spring steel wire, drawn
- > Pliers body: chrome vanadium electric steel, forged, oil-hardened
- > With overexpansion guard (adjustable using end stop)
- > Adjustment using hexagonal screw
- > Ideal for series production as excessive expansion of rings is effectively prevented

## Style 3

- > DIN 5256 C, straight jaws

## Style 4

- > DIN 5256 D; 90° angled jaws



48 31 J3



48 41 J21



### KNIPLEX Circlip Pliers with overexpansion guard

For the suitable fitting of circlips in the industrial serial production. Particularly manufacturers of sensitive, safety-relevant components (e.g. brakes or gears) highly appreciate the compliance of DIN 471 and 472. The mounting of circlip rings in this case requires pliers with overexpansion guard or a cone. KNIPLEX Circlip Pliers with overexpansion guard meet the requirements and furthermore offer a superior durability.

Article No.	EAN 4003773-	↔ mm		Style	Pliers	Handles	Size of bore Ø mm	Tips Ø mm	⚖ g
48 31 J0	079552	140	↻	3	grey atramentized	with non-slip plastic coating	8 – 13	0.9	105
48 31 J1	073864	140					12 – 25	1.3	105
48 31 J2	073871	180					19 – 60	1.8	175
48 31 J3	073888	225					40 – 100	2.3	266
48 41 J01	079569	130	↻ 90°	4	grey atramentized	with non-slip plastic coating	8 – 13	0.9	105
48 41 J11	079576	130					12 – 25	1.3	105
48 41 J21	080695	165					19 – 60	1.8	175
48 41 J31	079590	210					40 – 100	2.3	265

# Precision Circlip Pliers

## for external circlips on shafts

- ▶ Heavy duty in continuous operation: up to 10 times longer service life compared to turned tips
- ▶ With inserted tips for reliable work

- > Large contact faces on the tips: no distortion of circlips, easy fitting
- > Bolted joint: precise, zero backlash operation of pliers
- > Internal opening spring, protected and captive
- > Non-slip plastic coating on the handles
- > Slim head style allows use in confined areas
- > Inserted tips: spring steel wire, drawn
- > Pliers body: chrome vanadium electric steel, forged, oil-hardened

### Style 1

- > DIN 5254 A; straight jaws

### Style 2

- > DIN 5254 B; 90° angled jaws



49 11 A2



49 21 A21

## High precision quality

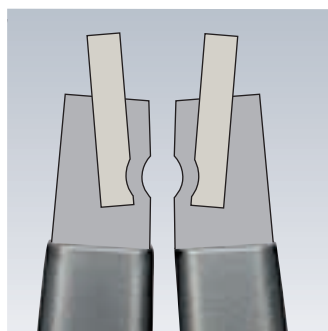
Easy and reliable assembly: form-fitting inserted and pressed-in tips made of high-density spring steel offer a high level of protection against excessive stress and strain, e.g. when removing stuck rings. The large supporting surfaces and the position of the tips make it more difficult for the rings to bounce off.

### Precision and durability

A highly compacted spring steel with a ridge-free surface is used for the tips. This means that the tip can withstand higher dynamic and static load-bearing capacity. The tips are 30 % more stable with a single overload compared to conventional pliers, while at the same time offering good accessibility during assembly. Under dynamic load, the tip lasts up to 10 times longer! The tips of the Precision Circlip Pliers are secured by cold forming. The tips are non-detachable!



Spring inside the joint: the spring is protected inside the precisely bolted joint. It does not hinder work and cannot get dirty or lost.



Tight fit through compression



KNIPEX Precision Circlip Pliers: fit circlips without distortion; easy and quick assembling



Sturdy, inserted tips: made from high-density spring steel

Article No.	EAN 4003773-	↔ mm		Style	Pliers	Handles	Size of shaft Ø mm	Tips Ø mm	⚖ g
49 11 A0	048718	140	○ MM	1	grey atramentized	with non-slip plastic coating	3 – 10	0.9	101
49 11 A1	048725	140					10 – 25	1.3	100
49 11 A2	048732	180					19 – 60	1.8	170
49 11 A3	048749	225					40 – 100	2.3	270
49 11 A4	048756	320					85 – 140	3.2	599
49 21 A01	048817	130	○ MM ∠90°	2	grey atramentized	with non-slip plastic coating	3 – 10	0.9	100
49 21 A11	048824	130					10 – 25	1.3	102
49 21 A21	048831	165					19 – 60	1.8	169
49 21 A31	048848	210					40 – 100	2.3	272
49 21 A41	048855	305					85 – 140	3.2	601

# Precision Circlip Pliers

## for external circlips on shafts

- ▶ Heavy duty in continuous operation: up to 10 times longer service life compared to turned tips
- ▶ With inserted tips for reliable work

- > Large contact faces on the tips: no distortion of circlips, easy fitting
- > Bolted joint: precise, zero backlash operation of pliers
- > Internal opening spring, protected and captive
- > Slim head style allows use in confined areas
- > Inserted tips: spring steel wire, drawn
- > Pliers body: chrome vanadium electric steel, forged, oil-hardened
- > With overexpansion guard (adjustable using end stop)
- > Adjustment using hexagonal screw
- > Ideal for series production, as overexpansion of the rings is effectively avoided

### Style 3

- > DIN 5254 A; straight jaws

### Style 4

- > DIN 5254 B; 90° angled jaws



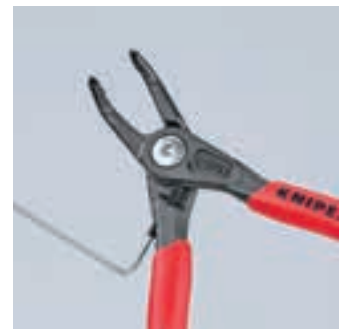
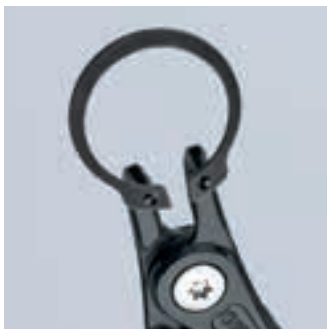
49 31 A0



49 41 A01

### KNIPEX Circlip Pliers with overexpansion guard

For the suitable fitting of circlips in the industrial serial production. Particularly manufacturers of sensitive, safety-relevant components (e.g. brakes or gears) highly appreciate the compliance of DIN 471 and 472. The mounting of circlip rings in this case requires pliers with overexpansion guard or a cone. KNIPEX Circlip Pliers with overexpansion guard meet the requirements and furthermore offer a superior durability.



Article No.	EAN 4003773-	↔ mm		Style	Pliers	Handles	Size of shaft Ø mm	Tips Ø mm	⚖ g
49 31 A0	061748	140	Ø MM	3	grey atramentized	with non-slip plastic coating	3 – 10	0.9	103
49 31 A1	073895	140					10 – 25	1.3	100
49 31 A2	073901	180					19 – 60	1.8	170
49 31 A3	073918	225					40 – 100	2.3	270
49 41 A01	061755	130	Ø MM ∠90°	4	grey atramentized	with non-slip plastic coating	3 – 10	0.9	102
49 41 A11	079606	130					10 – 25	1.3	102
49 41 A21	079613	165					19 – 60	1.8	169
49 41 A31	079620	210					40 – 100	2.3	272



# Circlip Pliers

## for large internal circlips

- > With locking device, can be released
- > With replaceable tips made of tempered steel
- > Black powder-coated
- > Pliers body: rolled steel, high-strength
- > Tips: special tool steel, oil-hardened

### Style 1

- > DIN 5256 C, straight tips

### Style 2

- > DIN 5256 D; 90° angled tips



44 10 J5



44 20 J61

Article No.	EAN 4003773-	↔ mm		Style	Pliers	Size of bore Ø mm	Tips Ø mm	⚖ g
44 10 J5	024910	570	↻	1	black powder-coated	122 – 300	3.5	1738
44 10 J6	024927	580				252 – 400	4.5	1755
44 20 J51	024958	590	↻ 90°	2	black powder-coated	122 – 300	3.5	1803
44 20 J61	024965	600				252 – 400	4.5	1723
44 19 J5	024934	1 pair of spare tips for 44 10 J5						
44 19 J6	024941	1 pair of spare tips for 44 10 J6						
44 29 J51	024972	1 pair of spare tips for 44 20 J51						
44 29 J61	024989	1 pair of spare tips for 44 20 J61						

# Circlip Pliers

## for large external circlips

- > With locking device, can be released
- > With replaceable tips made of tempered steel
- > Black powder-coated
- > Pliers body: rolled steel, high-strength
- > Tips: special tool steel, oil-hardened

### Style 1

- > DIN 5254 A; straight tips

### Style 2



- > DIN 5254 B; 90° angled tips



46 10 A5



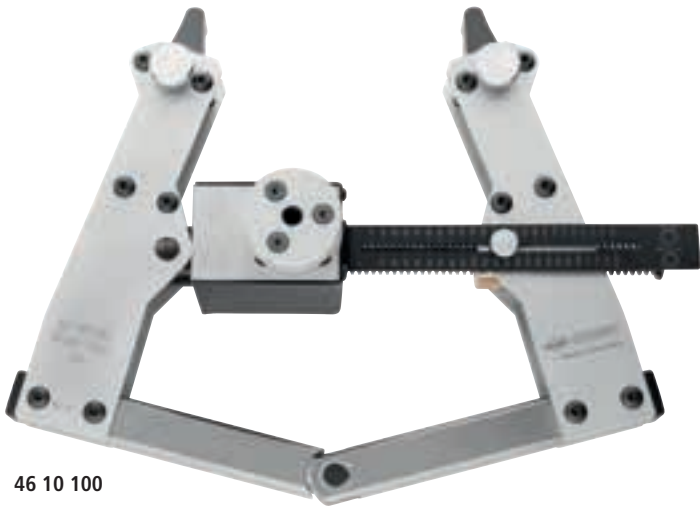
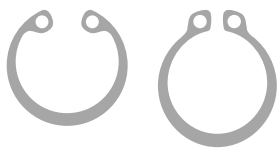
46 20 A51

Article No.	EAN 4003773-	↔ mm		Style	Pliers	Size of shaft Ø mm	Tips Ø mm	⚖ g
46 10 A5	024996	560		1	black powder-coated	122 – 300	3.5	1773
46 10 A6	025009	570				252 – 400	4.5	1795
46 20 A51	025023	570		2	black powder-coated	122 – 300	3.5	1832
46 20 A61	025030	580				252 – 400	4.5	1826
46 19 A5	024316	1 pair of spare tips for 46 10 A5						
46 19 A6	025016	1 pair of spare tips for 46 10 A6						
46 29 A51	025047	1 pair of spare tips for 46 20 A51						
46 29 A61	025054	1 pair of spare tips for 46 20 A61						

# Circlip Tool

for internal and external circlips  
up to 1,000 mm nominal size

- > Universally usable for large circlips with diameters of 400 – 1000 mm
- > Reliable opening and closing of the circlips and holding by self-locking precision spindle drive
- > For fitting and removing circlips
- > Circlips are reliably held due to short, direct attachment
- > Replaceable tips with Ø 6 and 9 mm, for different diameter ranges
- > Optional operation by hand, with Allen key, ratchet wrench or cordless screwdriver
- > Areas of application are heavy engines where very high forces and torques are transmitted with large shafts and bearings , e.g. wind turbines, tidal power stations, generator construction, hydropower stations, large machine construction (rolling mills, presses), shipbuilding, aerospace
- > Tool in a plastic case with foam insert
- > Tip material: chrome-vanadium electric steel



Manually operable



Power tool or manual operation



Replaceable inserts for internal and external circlips



Article No.	EAN		Size of bore Ø mm	Size of shaft Ø mm	⚖ g
46 10 100	4003773-075417	⊙ ⊙	400 – 1000	400 – 1000	2200
46 19 100 01	084549	Spare tips Ø 6 mm for 46 10 100			
46 19 100 02	084556	Spare tips Ø 9 mm for 46 10 100			

# Special Retaining Ring Pliers

## for retaining rings on shafts

- > For fitting retaining rings and circlips without grip holes
- > For shaft retaining devices
- > With pressure spring
- > Chrome vanadium electric steel, forged, oil-hardened

### 45 10 170

- > For retaining rings with a minimum ring split gap of 3.6 mm

### 45 21 200

- > Angled jaws with centering hole; for snap rings larger than Ø 12.0 mm, e.g. for cardan shafts in a motor vehicle; minimum ring split gap of the rings 2.2 mm



45 10 170



45 21 200



45 10 170



45 21 200



45 21 200

Article No.	EAN 4003773-	↔ mm		Pliers	Handles	⚖ g
45 10 170	089766	170	○ MM	black	plastic coated	156
45 21 200	031208	220	○ MM $\angle 30^\circ$	black	plastic coated	186

# Circlip Pliers

## for grip rings on shafts

- > For fitting grip rings on shafts
- > With opening spring
- > Solid style, forged
- > Non-slip, solid tips
- > Pliers body and tips: chrome vanadium steel, forged, oil-hardened

### 46 11 G1

- > For fitting grip rings on shafts from Ø 4.0 – 7.0 mm

### 46 11 G0

- > For rings of Ø 1.5 – 4.0 mm, with adjustable stop screw to prevent overstretching



46 11 G0



46 11 G1

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Size of shaft Ø mm	Tips Ø mm	⚖ g
46 11 G0	047896	140	○ MM	black atramentized	polished	plastic coated	1.5 – 4	0.9	87
46 11 G1	031062	140	○ MM	black atramentized	polished	plastic coated	4 – 7	1.3	85
46 11 G2	031079	140					5 – 13	1.3	85
46 11 G3	031086	140					14 – 18	1.3	86
46 11 G4	031093	180					20 – 30	1.8	134

# Circlip Pliers Sets in roll case

## 4 parts

- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener
- > Dimensions, open (L x H): 315 x 275 mm

### 00 19 57 / 00 19 57 V01

- > Four common Precision Circlip Pliers for highest requirements
- > For internal and external circlips

### 00 19 56 / 00 19 56 V01

- > Four common Circlip Pliers for internal and external circlips



00 19 56
















00 19 57



00 19 56 V01



00 19 57 V01

Article No.	EAN 4003773-				Style	Capacity Ø mm	Tips Ø mm	Quantity	 g
00 19 56	030973	Set of Circlip Pliers 4 parts							720
			44 11 J2	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	19 – 60	1.8	1	
			44 21 J21		DIN 5256 D; 90° angled jaws	19 – 60	1.8	1	
			46 11 A2	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	19 – 60	1.8	1	
			46 21 A21		DIN 5254 B; 90° angled jaws	19 – 60	1.8	1	
00 19 56 V01	081548	Set of Circlip Pliers 4 parts							635
			44 11 J1	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25	1.3	1	
			44 11 J2			19 – 60	1.8	1	
			46 11 A1	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10 – 25	1.3	1	
			46 11 A2			19 – 60	1.8	1	
00 19 57	050056	Set of Circlip Pliers 4 parts							725
			48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25	1.3	1	
			48 11 J2			19 – 60	1.8	1	
			49 11 A1	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10 – 25	1.3	1	
			49 11 A2			19 – 60	1.8	1	
00 19 57 V01	081555	Set of Circlip Pliers 4 parts							885
			48 11 J2	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	19 – 60	1.8	1	
						48 21 J21	DIN 5256 D; 90° angled jaws	19 – 60	
			49 11 A2	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	19 – 60	1.8	1	
						49 21 A21	DIN 5254 B; 90° angled jaws	19 – 60	



# Circlip Pliers Sets in roll case

## 8 parts

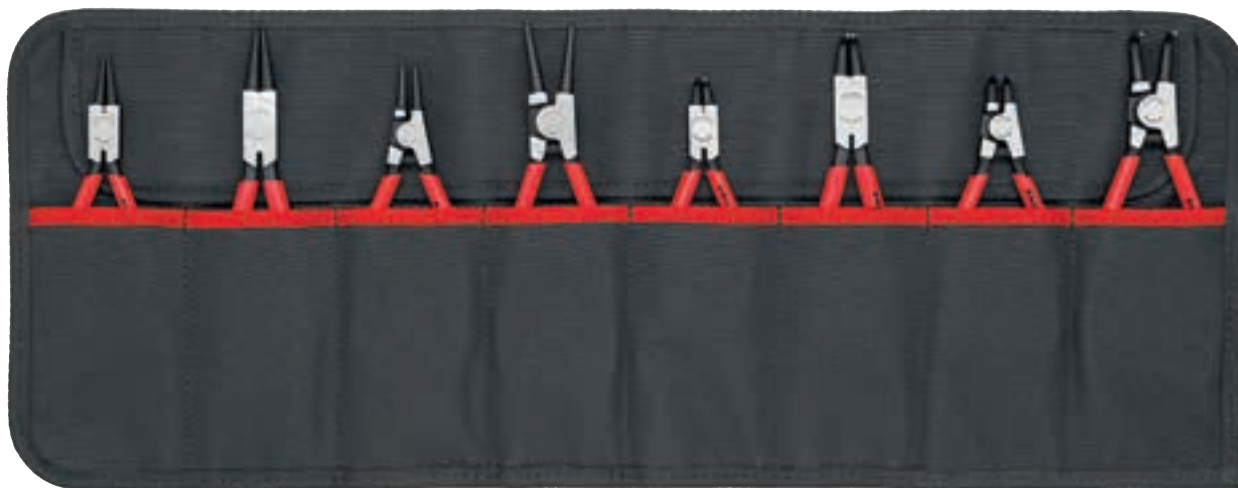
- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener
- > Dimensions, open (L x H): 610 x 240 mm

### 00 19 58 V01

- > Eight established models of Circlip Pliers for internal and external circlips

### 00 19 58 V02










- > Eight established models of Precision Circlip Pliers for the most demanding requirements
- > For internal and external circlips



00 19 58 V01



00 19 58 V02

Article No.	EAN 4003773-				Style	Capacity Ø mm	Tips Ø mm	Quantity	 g	
00 19 58 V01	081562	Set of Circlip Pliers 8 parts								1190
			44 11 J1	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25	1.3	1		
			44 11 J2			19 – 60	1.8	1		
		 90°	44 21 J11		DIN 5256 D; 90° angled jaws	12 – 25	1.3	1		
			44 21 J21			19 – 60	1.8	1		
		 MM	46 11 A1	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10 – 25	1.3	1		
			46 11 A2			19 – 60	1.8	1		
		 MM 90°	46 21 A11		DIN 5254 B; 90° angled jaws	10 – 25	1.3	1		
			46 21 A21			19 – 60	1.8	1		
00 19 58 V02	081579	Set of Circlip Pliers 8 parts								1395
			48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25	1.3	1		
			48 11 J2			19 – 60	1.8	1		
		 90°	48 21 J11		DIN 5256 D; 90° angled jaws	12 – 25	1.3	1		
			48 21 J21			19 – 60	1.8	1		
		 MM	49 11 A1	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10 – 25	1.3	1		
			49 11 A2			19 – 60	1.8	1		
		 MM 90°	49 21 A11		DIN 5254 B; 90° angled jaws	10 – 25	1.3	1		
			49 21 A21			19 – 60	1.8	1		

# Pliers Sets

## in a foam tray







- > In a foam tray for workbenches and tool trolleys
- > Clearly organised storage of tools
- > Precisely-sized recesses for holding the pliers
- > Foam tray dimensions (W x H x D): 335 x 165 x 33 mm
- > Material: two colour, closed pore foam



00 20 01 V02



00 20 01 V09

Article No.	EAN 4003773-				Style	Capacity Ø mm	Tips Ø mm	Quantity	△ g
00 20 01 V02	069652	Precision Circlip Pliers Set in a foam tray							915
			48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25	1.3	1	
			48 11 J2			19 – 60	1.8	1	
		 ∠90°	48 21 J21	DIN 5256 D; 90° angled jaws	19 – 60	1.8	1		
			49 11 A1		Precision Circlip Pliers for external circlips on shafts	10 – 25	1.3	1	
		49 11 A2	19 – 60	1.8		1			
		 ∠90°	49 21 A21	DIN 5254 B; 90° angled jaws		19 – 60	1.8	1	
00 20 01 V09	073291	Set of pliers in a foam tray							820
			48 11 J2	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	19 – 60	1.8	1	
			48 21 J21		DIN 5256 D; 90° angled jaws	19 – 60	1.8	1	
			49 11 A2	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	19 – 60	1.8	1	
		 ∠90°	49 21 A21		DIN 5254 B; 90° angled jaws	19 – 60	1.8	1	

# Precision Circlip Pliers Sets

## ► For internal and external circlips

- > Attractive sales packaging with Euro standard perforation
- > Sturdy plastic retail packaging, also suitable for storage of the pliers
- > Contains common Precision Circlip Pliers for highest requirements; for internal and external circlips



00 20 03 SB



00 20 04 SB

Article No.	EAN 4003773-		Style	Capacity Ø mm	Tips Ø mm	Quantity	Δ g
00 20 03 SB	050100	Precision Circlip Pliers Set 4 parts					685
		⊙	48 11 J1 48 11 J2	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25 19 – 60	
		⊙ MM	49 11 A1 49 11 A2	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10 – 25 19 – 60	
						1.3 1.8 1.3 1.8	
00 20 04 SB	062417	Precision Circlip Pliers Set 8 parts					1275
		⊙	48 11 J1 48 11 J2	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25 19 – 60	
		⊙ 90°	48 21 J11 48 21 J21		DIN 5256 D; 90° angled jaws	12 – 25 19 – 60	
		⊙ MM	49 11 A1 49 11 A2	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10 – 25 19 – 60	
		⊙ MM 90°	49 21 A11 49 21 A21		DIN 5254 B; 90° angled jaws	10 – 25 19 – 60	
						1.3 1.8 1.3 1.8	
						1.3 1.8 1.3 1.8	
						1.3 1.8 1.3 1.8	
						1.3 1.8 1.3 1.8	
						1.3 1.8 1.3 1.8	

# Circlip Pliers Sets

## ► For internal and external circlips

- > Attractive sales packaging with Euro standard perforation
- > Sturdy plastic retail packaging, also suitable for storage of the pliers
- > Contains common Precision Circlip Pliers for highest requirements; for internal and external circlips



00 20 03 V02



00 20 04 V01

Article No.	EAN 4003773-		Style	Capacity Ø mm	Tips Ø mm	Quantity	Δ g
00 20 03 V02	077640	Set of Circlip Pliers 4 parts					450
		⊙	44 11 J1 44 11 J2	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25 19 – 60	
		⊙ MM	46 11 A1 46 11 A2	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10 – 25 19 – 60	
						1.3 1.8 1.3 1.8	
00 20 04 V01	077633	Set of Circlip Pliers 8 parts					890
		⊙	44 11 J1 44 11 J2	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25 19 – 60	
		⊙ 90°	44 21 J11 44 21 J21		DIN 5256 D; 90° angled jaws	12 – 25 19 – 60	
		⊙ MM	46 11 A1 46 11 A2	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10 – 25 19 – 60	
		⊙ MM 90°	46 21 A11 46 21 A21		DIN 5254 B; 90° angled jaws	10 – 25 19 – 60	
						1.3 1.8 1.3 1.8	
						1.3 1.8 1.3 1.8	
						1.3 1.8 1.3 1.8	
						1.3 1.8 1.3 1.8	
						1.3 1.8 1.3 1.8	







# Tool Box "SRZ"

## 8 parts

- > High-quality, impact-resistant plastic case
- > Contains common Precision Circlip Pliers for highest requirements; for internal and external circlips
- > Precisely-sized recesses for holding the pliers
- > Clearly organised storage of tools
- > Dimensions, exterior (W x H x D): 260 x 80 x 210 mm



00 21 25

Article No.	EAN 4003773-				Style	Capacity Ø mm	Tips Ø mm	Quantity	g
00 21 25	050131	Tool Box "SRZ" Circlip Pliers							1635
			48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12 – 25	1.3	1	
			48 11 J2			19 – 60	1.8	1	
		 ∠90°	48 21 J11		DIN 5256 D; 90° angled jaws	12 – 25	1.3	1	
			48 21 J21			19 – 60	1.8	1	
		 ∞	49 11 A1	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10 – 25	1.3	1	
			49 11 A2			19 – 60	1.8	1	
		 ∞ ∠90°	49 21 A11		DIN 5254 B; 90° angled jaws	10 – 25	1.3	1	
			49 21 A21			19 – 60	1.8	1	



# CARPENTERS' PINCERS AND CONCRETTERS' NIPPERS

Carpenters' Pincers	086
Hammerhead Style Carpenters' Pincers	086
Farriers' Pincers (Tear-off pliers for vehicle bodywork)	087
End Cutting Nippers	087
Concreters' Nippers (Tower Pincers or Steel Fixers' Nippers)	088
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99 11 250

## Carpenters' Pincers

- ▶ Extreme wear resistance and well balanced
- ▶ Specially favoured by craftsmen for their precise workmanship

- > For heavy duty use
- > Cutting edge hardness approx. 60 HRC
- > Special tool steel, forged, oil-hardened
- > DIN ISO 9243



50 00 160



50 00 210



50 00 160

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities Ø mm	⚖ g
50 00 160	023111	160					1.8	225
50 00 180	021940	180					2.0	320
50 00 210	021957	210	✂	black atramentized	polished		2.2	425
50 00 225	021964	225					2.2	440
50 00 250	022930	250					2.2	570
50 01 160	035275	160					1.8	235
50 01 180	035282	180					2.0	330
50 01 210	035299	210	✂	black atramentized	polished	plastic coated	2.2	445
50 01 225	035305	225					2.2	465
50 01 250	035312	250					2.2	595

## Hammerhead Style Carpenters' Pincers

- ▶ Multi-functional: driving in, pulling and cutting nails

- > With striking face to hammer down nails
- > Cutting edge hardness approx. 60 HRC
- > Special tool steel, forged, oil-hardened
- > DIN ISO 9243



51 01 210



Multi-functional: driving in, pulling and cutting nails

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities Ø mm	⚖ g
51 01 210	023104	210	✂	black atramentized	polished	plastic coated	2.2	413

# Farriers' Pincers

(Tear-off pliers for vehicle bodywork)

- ▶ With small head and anvil for redirecting horseshoe-nails

- > The ideal pliers for the farrier
- > Also suitable for dismantling work in vehicle body workshops
- > Cutting edges additionally hardened; cutting edge hardness approx. 59 HRC
- > Special tool steel, forged, multi stage oil-hardened



55 00 300



Article No.	EAN	↔ mm		Pliers	Head	Head width (W3) mm	Δ g
55 00 300	039402	300	▶	black atramentized	polished	20.0	780

# End Cutting Nippers

- ▶ Suitable for twisting and cutting binding wire
- ▶ The head shape provides optimised movement when tightening steel mesh knots during reinforced concrete work

- > With cutting edges for soft and hard wire
- > Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC
- > High-grade special tool steel, forged, multi stage oil-hardened
- > DIN ISO 5748



68 01 160



Article No.	EAN	↔ mm		Pliers	Head	Handles	Cutting capacities			Δ g
							Ø mm	Ø mm	Ø mm	
68 01 160	013792	160	▶	black atramentized	polished	plastic coated	4.0	2.8	2.3	202
68 01 180	013808	180					4.0	3.2	2.5	284
68 01 200	013815	200					4.0	3.5	2.8	319
68 01 280	077664	280					4.5	4.0	3.2	465



# Concreters' Nippers

## (Tower Pincers or Steel Fixers' Nippers)

- Suitable for twisting and cutting binding wire
- Fast, reliable and economical

> Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC  
 > High-grade special tool steel, forged, multi stage oil-hardened  
 > DIN ISO 9242

### 99 00 220 K12

> With 12 mm head, particularly suitable for tile paving work



99 00 280



99 00 220 K12



99 01 220



99 04 280



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities		
							Ø mm	Ø mm	Δ g
99 00 200	014393	200	✂	black atramentized	polished		1.8	1.4	230
99 00 220	013273	220					2.4	1.6	315
99 00 250	013280	250					2.4	1.6	405
99 00 280	014096	280					2.8	1.8	455
99 00 300	014409	300					3.1	1.8	510
99 00 220 K12	027812	220	✂	black atramentized	polished		2.4	1.6	305
99 01 200	021452	200	✂	black atramentized	polished	plastic coated	1.8	1.4	247
99 01 220	021469	220					2.4	1.6	335
99 01 250	021483	250					2.4	1.6	429
99 01 280	021490	280					2.8	1.8	480
99 01 300	014416	300					3.1	1.8	548
99 04 220	048398	220	✂	bright zinc plated			2.4	1.6	315
99 04 250	048213	250					2.4	1.6	405
99 04 280	048220	280					2.8	1.8	455

# High Leverage Concreters' Nippers

## high lever transmission

- ▶ Fast, reliable and economical
  - ▶ 25 % less effort required compared to conventional concreters' nippers of the same size
  - ▶ Extra-slim form for tying deep mounted steel rods
  - ▶ High-leverage joint, minimising strain, even when thick binding wires are used
- > The high damping of the cutting stroke on cutting through the binding wire reduces the strain on tendons and muscles
  - > Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC
  - > To lace concrete reinforcing steel with binding wire from a roll
  - > Wire is twisted and cut in a single pass
  - > High-grade special tool steel, forged, multi stage oil-hardened
  - > DIN ISO 9242



99 10 250



99 10 300



99 11 250



99 14 250



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities		Head width (W3) Ø mm	Δ g
							● Ø mm	● Ø mm		
99 10 250	071396	250	➤	black atramentized	polished		3.3	1.8	25.0	350
99 10 300	022398	300	➤	black atramentized	polished		3.8	2.0	25.0	501
99 11 250	071402	250	➤	black atramentized	polished	plastic coated	3.3	1.8	25.0	429
99 11 300	042365	300	➤	black atramentized	polished	plastic coated	3.8	2.0	25.0	537
99 14 250	071419	250	➤	bright zinc plated			3.3	1.8	25.0	350
99 14 300	028116	300	➤	bright zinc plated			3.8	2.0	25.0	505

# CUTTING PLIERS

Diagonal Cutters for plastics	092
Diagonal Cutter for fibre optics	093
High Leverage Flush Cutter	093
Diagonal Cutters	096
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KNIPEX X-Cut® – Compact Diagonal Cutters	099
High Leverage Diagonal Cutters	100
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End Cutting Nippers	111

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71 02 200



# Diagonal Cutters for plastics

- > Cutting face flush
- > For nearly flush cutting of moulded plastic components from sprues
- > Cuts soft materials such as lead in a flush cut
- > With opening spring
- > Vanadium electric steel; forged, oil-hardened

## 72 01 160

- > With elongated cutting edge



72 01 160



72 02 125







72 11 160



72 21 160





Article No.	EAN 4003773-	↔ mm		Head	Handles	⚖ g
72 01 140	043713	140		polished	plastic coated	120
72 01 160	041245	160				164
72 01 180	046837	180				193
72 02 125	044215	125		polished	with multi-component grips	109
72 11 160	046813	160		polished	plastic coated	156
72 21 160	046820	160		polished	plastic coated	165
72 09 01	053415	Opening spring for 72 01				

# Diagonal Cutter for fibre optics

- > Specially developed for cutting fibre optics
- > Cutting face flush
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 63 HRC
- > With opening spring
- > Vanadium electric steel, forged, multi stage oil-hardened



Article No.	EAN	↔ mm		Head	Handles	⚖ g
72 51 160	4003773-028031	160	 	polished	plastic coated	166

# High Leverage Flush Cutter

for soft metal and plastic

- ▶ For easy and flush cutting of soft metal or thicker profiles and plastic components
- > Energy-saving, flush cutting also of thick workpieces due to extremely effective lever action mechanism
- > Space for hands and flush cutting due to 20° angled head with joint bar on one side
- > Opening spring and locking device are integrated in the handles for comfortable work and safe transport
- > Precision cutting edges for soft material
- > Durable due to induction-hardened cutting edges to 59 HRC
- > Chrome vanadium electric steel, forged, multi stage oil-hardened







Clean, flush cutting of copper conductor rails



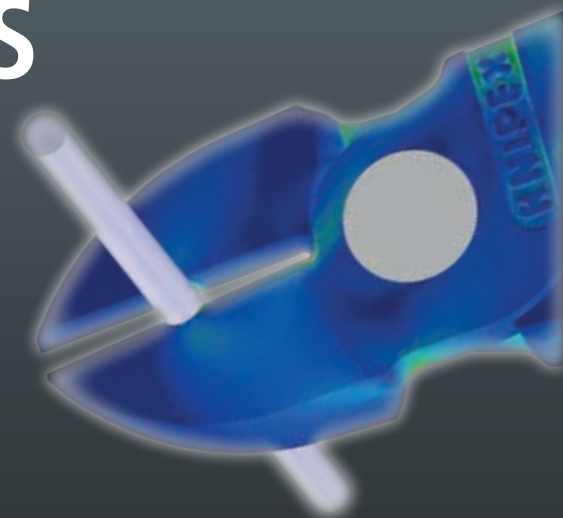
Ideal for the flush cutting plastic sprues with large diameters



Article No.	EAN	↔ mm		Pliers	Handles	Cutting capacities  Ø mm	⚖ g
72 62 200	4003773-081913	200	  	black atramentized	with slim multi-component grips	6.0	375

# KNIPEX – WORLD OF DIAGONAL CUTTERS

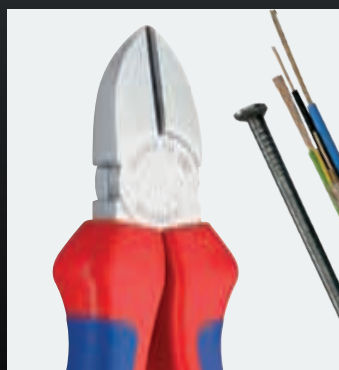
With four tailor-made diagonal cutters, KNIPEX provides solutions for every application. An extraordinary variety ensures an excellent response from the "KNIPEX World of diagonal cutters" to whatsoever specification.



## Diagonal Cutter

The classic model.

The indispensable cutting tool for versatile use. Long cutters for cable cutting. Precise, also for the finest stranded wires.

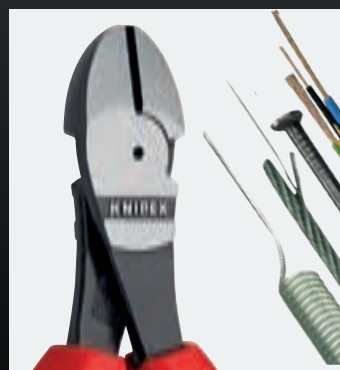


Hand force is multiplied by 12

## High Leverage Diagonal Cutter

The robust.

For very tough, continuous use. Forged on hinged joint for robust use.



Hand force is multiplied by 13

## KNIPEX X-Cut®

The all-rounder.

Compact and light. Powerful and precise. Box joint: greatest stability with little weight.



Hand force is multiplied by 16

## KNIPEX TwinForce

The superior model.

For user-friendly cutting, repetitive cutting and for particularly hard cutting jobs. The reapplying cutter – double-hinged design.



Hand force is multiplied by 39



KNIPEX TwinForce®

High Leverage  
Diagonal Cutter

KNIPEX X-Cut®

Diagonal Cutter

Comparison of manual force required in kilos when cutting a nail with Ø 3 mm

\*with reapplying







# Diagonal Cutters

## ► Narrow head style for use in confined areas

- > 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
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 5749

### 70 05 160 T / 70 05 180 T\*

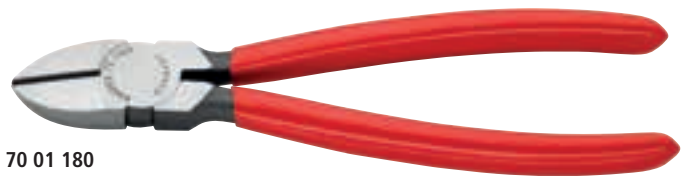
- > Pliers with tether attachment point for mounting a fall protection system

### 70 06 160 T / 70 06 180 T\*

- > Pliers with integrated, insulated tether attachment point for a tool tether



70 01 160



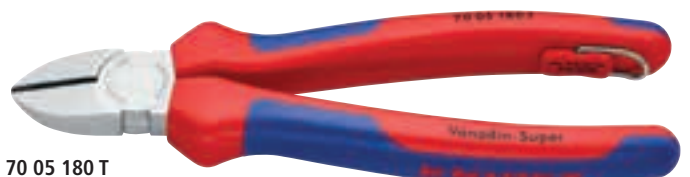
70 01 180



70 02 180



70 05 180



70 05 180 T



70 06 180



70 07 180



70 15 110



Clean cutting of thin copper wires, also at the cutting edge tips





Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities			
							⊘ mm	⊘ mm	⊘ mm	g
70 01 110	014324	110					3.0	2.0	1.2	80
70 01 125	013402	125					3.0	2.3	1.5	80
70 01 140	013419	140	✂	black atramentized	polished	plastic coated	4.0	2.5	1.8	126
70 01 160	013426	160					4.0	3.0	2.0	171
70 01 180	018070	180					4.0	3.0	2.5	200
70 02 125	034025	125					3.0	2.3	1.5	119
70 02 140	023098	140	✂	black atramentized	polished	with multi-component grips	4.0	2.5	1.8	150
70 02 160	034032	160					4.0	3.0	2.0	206
70 02 180	034049	180					4.0	3.0	2.5	252
70 05 125	039501	125					3.0	2.3	1.5	119
70 05 140	039488	140	✂	chrome-plated	chrome-plated	with multi-component grips	4.0	2.5	1.8	154
70 05 160	039600	160					4.0	3.0	2.0	207
70 05 180	043706	180					4.0	3.0	2.5	246
70 05 160 T	080022	160	✂	chrome-plated	chrome-plated	with multi-component grips and integrated tether attachment point	4.0	3.0	2.0	210
70 05 180 T	080039	180					4.0	3.0	2.5	258
70 06 125	018124	125					3.0	2.3	1.5	121
70 06 140	040293	140	✂ ⚡ 1000 V	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	4.0	2.5	1.8	160
70 06 160	021995	160					4.0	3.0	2.0	216
70 06 180	033813	180					4.0	3.0	2.5	254
70 06 160 T	081463	160	✂ ⚡ 1000 V	chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	4.0	3.0	2.0	230
70 06 180 T	081470	180					4.0	3.0	2.5	270
70 07 160	018155	160	✂ ⚡ 1000 V	chrome-plated	chrome-plated	with dipped insulation, VDE-tested	4.0	3.0	2.0	227
70 07 180	018179	180					4.0	3.0	2.5	269
70 11 110	018193	110	✂	black atramentized	polished	plastic coated	3.0	2.0	1.2	91
70 15 110	029649	110	✂	chrome-plated	chrome-plated	with multi-component grips	3.0	2.0	1.2	98
70 26 160	018223	160	✂ ⚡ 1000 V	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	4.0			216

# Diagonal Cutter

## for electromechanics

- > With sharp, precisely aligned cutting edges
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 63 HRC
- > Lap joint
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 5749

### 76 12 125

- > Low-friction double spring for gentle and even opening

### 76 22 125

- > Low-friction double spring for gentle and even opening
- > Without bevel for flush cutting of soft wires

### 76 81 125

- > Particularly tapered head with small bevel for work in confined areas (cable harnesses, multiple stranded wires)



76 01 125



76 03 125



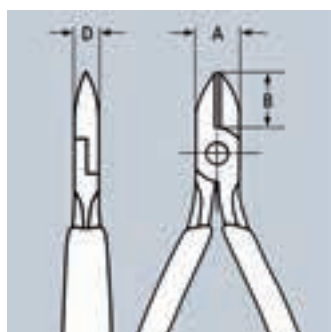
76 05 125



76 12 125



76 81 125



Article No.	EAN	4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				Dimensions			
								Ø mm	Ø mm	Ø mm	Ø mm	A Ø mm	B Ø mm	D Ø mm	Δ g
76 01 125	044482	125	↔		black anodized	polished	plastic coated	0.4 – 3.0	2.3	1.5	0.6	14.5	16.0	9.0	85
76 03 125	048923	125	↔		chrome-plated	chrome-plated	plastic coated	0.4 – 3.0	2.3	1.5	0.6	14.5	16.0	9.0	85
76 05 125	005315	125	↔		chrome-plated	chrome-plated	with multi-component grips	0.4 – 3.0	2.3	1.5	0.6	14.5	16.0	9.0	118
76 12 125	048015	125	↔	↗	black anodized	polished	with multi-component grips	0.4 – 3.0	2.3	1.5	0.6	14.5	16.0	9.0	112
76 22 125	048022	125	↔	↗	black anodized	polished	with multi-component grips	0.4 – 2.5				14.5	16.0	9.0	107
76 81 125	040644	125	↔	↘	black anodized	polished	plastic coated	0.4 – 1.7	1.3	0.8		14.5	16.0	9.0	85



# **KNIPEX X-Cut®**

## **Compact Diagonal Cutters** **high lever transmission**

- ▶ Cuts finest strands as well as multi-core cables and piano wires
- ▶ Powerful, light and universal
- > High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- > Box-joint design: highest stability with low weight
- > Doubly supported joint axis for heavy duty
- > Large opening width for thicker cables
- > Cuts precisely, even through fine copper wires
- > Compact, low-weight construction
- > Universally usable, in the assembly, maintenance and production
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
- > DIN ISO 5749

### **73 05 160 T\***

- > Pliers with tether attachment point for mounting a fall protection system

### **73 06 160 T\***

- > Pliers with integrated, insulated tether attachment point for a tool tether



73 02 160



73 05 160



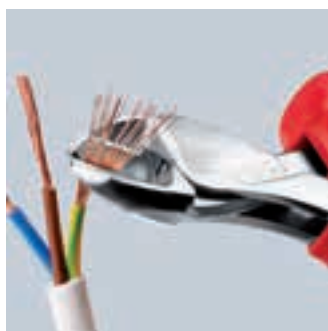
73 05 160 T



73 06 160

## **40 % less effort required**

compared to standard or classic diagonal cutters.  
With double mounted hinged joint.



Box-joint design: highest stability with low weight

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities					
							Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	g
			(PATENTED)	black atramentized	polished	with multi-component grips	4.8	3.8	2.7	2.2	12.0	175
<b>73 05 160</b>	075134	160	(PATENTED)	chrome-plated	chrome-plated	with multi-component grips	4.8	3.8	2.7	2.2	12.0	175
<b>73 05 160 T</b>	080077	160	(PATENTED)	chrome-plated	chrome-plated	with multi-component grips and integrated tether attachment point	4.8	3.8	2.7	2.2	12.0	180
<b>73 06 160</b>	075141	160	(PATENTED) 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	4.8	3.8	2.7	2.2	12.0	175
<b>73 06 160 T</b>	081487	160	(PATENTED) 	chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	4.8	3.8	2.7	2.2	12.0	185

\* Other tools with tethering can be found from page 294



# High Leverage Diagonal Cutters

- > For very tough, continuous use
- > High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- > Precision cutting edges additionally induction-hardened (cutting edge hardness approx. 64 HRC), for all sorts of wire including piano wire
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
- > DIN ISO 5749

## Style 1

- > With opening spring; to be activated if required

## Style 2

- > 12° angled head offers clearance for gripping

## 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>

## 74 02 200 T / 74 02 250 T / 74 22 200 T / 74 22 250 T\*

- > Pliers with tether attachment point for mounting a fall protection system

## 74 06 250 T\*

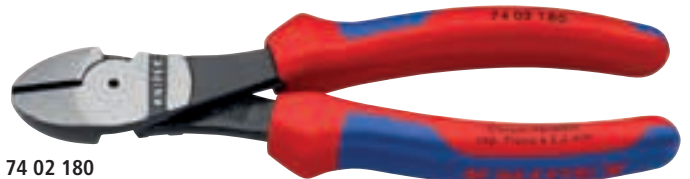
- > Pliers with integrated insulated tether attachment point for a tool tether

## 20 % less effort required

compared to classic diagonal cutters of the same length.  
With integrated forged joint axle.



74 01 200



74 02 180



74 02 200 T



74 05 180



74 06 200



74 06 200 T



74 07 200



74 12 180



74 12: just gentle sliding with your thumb will activate the opening spring



74 12: opening spring in deactivated position



With integrated forged axle for heavy duty



Article No.	EAN 4003773-	↔ mm		Style	Pliers	Head	Handles	Cutting capacities			
								Ø mm	Ø mm	Ø mm	Δ g
74 01 140	039747	140						3.1	2.0	1.5	131
74 01 160	033141	160						3.4	2.5	2.0	178
74 01 180	022008	180	✱		black atramentized	polished	plastic coated	3.8	2.7	2.2	241
74 01 200	034056	200						4.2	3.0	2.5	263
74 01 250	034063	250						4.6	3.5	3.0	391
74 02 140	042419	140						3.1	2.0	1.5	157
74 02 160	023081	160						3.4	2.5	2.0	209
74 02 180	023074	180	✱		black atramentized	polished	with multi-component grips	3.8	2.7	2.2	273
74 02 200	040309	200						4.2	3.0	2.5	304
74 02 250	042402	250						4.6	3.5	3.0	437
74 02 200 T	080084	200	✱		black atramentized	polished	with multi-component grips and integrated tether attachment point	4.2	3.0	2.5	305
74 02 250 T	080091	250						4.6	3.5	3.0	460
74 05 140	039617	140						3.1	2.0	1.5	157
74 05 160	022961	160						3.4	2.5	2.0	209
74 05 180	022978	180	✱		chrome-plated	chrome-plated	with multi-component grips	3.8	2.7	2.2	270
74 05 200	035367	200						4.2	3.0	2.5	303
74 05 250	039754	250						4.6	3.5	3.0	440
74 06 160	040705	160						3.4	2.5	2.0	215
74 06 180	022985	180	✱ ⚡ 1000 V		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.8	2.7	2.2	280
74 06 200	033820	200						4.2	3.0	2.5	304
74 06 250	041955	250						4.6	3.5	3.0	453
74 06 200 T	081494	200	✱ ⚡ 1000 V		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	4.2	3.0	2.5	305
74 06 250 T	081500	250						4.6	3.5	3.0	465
74 07 200	018414	200	✱ ⚡ 1000 V		chrome-plated	chrome-plated	with dipped insulation, VDE-tested	4.2	3.0	2.5	328
74 07 250	018421	250						4.6	3.5	3.0	510
74 12 160	065111	160	✱ MM	1	black atramentized	polished	with multi-component grips	3.4	2.5	2.0	209
74 12 180	060192	180						3.8	2.7	2.2	273
74 21 200	050483	200	✱ <25°	2	black atramentized	polished	plastic coated	4.2	3.0	2.5	258
74 21 250	045021	250						4.6	3.5	3.0	390
74 22 200	051831	200	✱ <25°	2	black atramentized	polished	with multi-component grips	4.2	3.0	2.5	300
74 22 250	071372	250						4.6	3.5	3.0	437
74 22 200 T	080107	200	✱ <25°	2	black atramentized	polished	with multi-component grips and integrated tether attachment point	4.2	3.0	2.5	305
74 22 250 T	080114	250						4.6	3.5	3.0	460

# KNIPEX 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
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 5749

### 73 72 180 F

- > With opening spring to simplify reapplication and for repetitive cutting



The high performance diagonal cutters with opening spring for easier reapplication and for heavy use

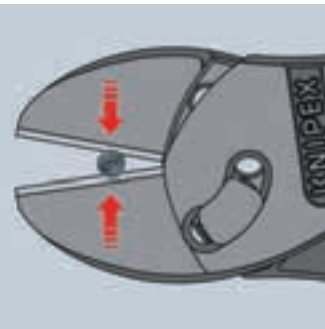


The opening spring can be easily activated and deactivated by a press of the thumb

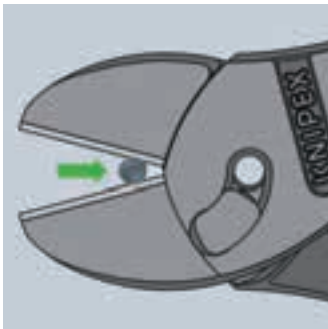
### Cuts again 50 % easier than the tried and tested KNIPEX high leverage diagonal cutters

The option to reapply the tool. The KNIPEX TwinForce cuts even 4 mm thick wires without great effort when reapplied two or three times.

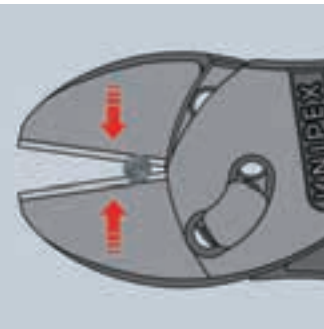
Conventional high leverage diagonal cutters either cannot cut these diameters or only with very great effort.



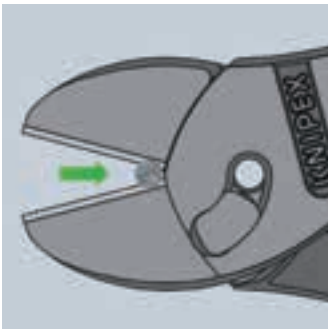
Insert the wires as close to the hinge as possible. In case of cutters with very high transmission, the width of the gap between the cutting edges close to the fulcrum may be less than the thickness of the wire. Wires may slip forward when the cutting starts.



First make a notch in the wire using the KNIPEX TwinForce until the required hand force increases considerably. Now open the pliers and slide the wire backwards towards the joint. Hold the cutting edge in the notches you have made in step 1.



Continue cutting in the same location along the wire. Now cutting is much more easier because the wire remains in place closer to the fulcrum.



You can repeat this process if necessary.

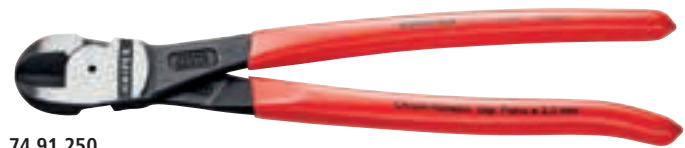
Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				g
							Ø mm	Ø mm	Ø mm	Ø mm	
73 71 180	074762	180	✓	black atramentized	polished	plastic coated	5.5	4.6	3.2	3.0	255
73 72 180	074779	180	✓	black atramentized	polished	with multi-component grips	5.5	4.6	3.2	3.0	280
73 72 180 F	077657	180	✓	black atramentized	polished	with multi-component grips	5.5	4.6	3.2	3.0	291





## High Leverage Centre Cutters

- > With integrated forged axle for heavy duty
- > With precision cutting edges for soft, hard and piano wire
- > Cuts thick wires with less effort than other diagonal cutters of the same length
- > Centric precision cutting edges
- > High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



74 91 250



The cutting edges are in the centre of the cutter head



Article No.	EAN	↔ mm		Pliers	Head	Handles	Cutting capacities				g
							Ø mm	Ø mm	Ø mm	Ø mm	
74 91 250	034070	250	✂	black atramentized	polished	plastic coated	5.0	5.0	3.8	3.5	395



# KNIPEX CoBolt S

## Compact Bolt Cutters

- ▶ Extremely high cutting performance in a convenient length of 160 mm
  - ▶ Small, slim head for excellent accessibility
- > Compact and powerful: cuts bolts, nails, rivets etc.
- > Heavy duty, induction-hardened cutting edge for thin, hard wire, screws and springs. Cutting edge hardness approx. 64 HRC
- > Less physical effort due to efficient lever action mechanism
- > No slipping of the material to be cut due to lasered cutting edge
- > With gripping surface below the joint for gripping and pulling wires from Ø 1.0 mm
- > Blades with recess for easier cutting of larger cross-sections due to better leverage close to the fulcrum
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened

### 71 31 160

- > Blades with recess for easier cutting of larger cross-sections due to better leverage close to the fulcrum



71 01 160



71 31 160



Powerful through to the tips



Slim head for ideal accessibility



Compact, light and always to hand

Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Cutting capacities				g
						Ø mm	Ø mm	Ø mm	Ø mm	
71 01 160	082668	160	✂	black atramentized	plastic coated	5.3	4.4	3.2	3.0	200
71 31 160	084587	160	✂	black atramentized	plastic coated	5.3	4.8	3.6	3.3	200

# KNIPEX CoBolt

## Compact Bolt Cutters

- > With precision cutting edges for soft, hard and piano wire
- > Cuts bolts, nails, rivets, etc. up to Ø 5.2 mm
- > Efficient joint design ensures exceptional cutting performance with little effort
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened

### 71 12 200

- > Opening spring and locking device are integrated in the handles for comfortable work and safe transport

### 71 02 200 T\*

- > Pliers with tether attachment point for mounting a fall protection system



71 01 200



71 02 200



71 02 200 T



Micro-structured cutting edge reduces slipping of the material from the jaws



With gripping surface below the joint for gripping and pulling wires from Ø 1.0 mm



71 12 200

**60 % less effort required compared to conventional high-leverage diagonal cutters**

The ingenious lever action mechanism guarantees an extremely favourable lever ratio with very low friction. Manual force is reinforced up to 30 times.

Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Cutting capacities				g
						Ø mm	Ø mm	Ø mm	Ø mm	
71 01 200	033165	200	✂	black atramentized	plastic coated	6.0	5.2	4.0	3.6	335
71 02 200	047056	200	✂	black atramentized	with slim multi-component grips	6.0	5.2	4.0	3.6	365
71 02 200 T	080046	200	✂	black atramentized	with slim multi-component grips, with integrated tether attachment point for a tool tether	6.0	5.2	4.0	3.6	375
71 12 200	066859	200	✂	black atramentized	with slim multi-component grips	6.0	5.2	4.0	3.6	375

\* Other tools with tethering can be found from page 294

# **KNIPEX CoBolt**

## **Compact Bolt Cutters**

► 20° angled head with joint bar on one side and diagonal cutting edge for almost flush cutting, with space for gripping

- > With precision cutting edges for soft, hard and piano wire
- > Cuts bolts, nails, rivets, etc. up to Ø 5.2 mm
- > Efficient joint design ensures exceptional cutting performance with little effort
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > With recess for easier cutting of thicker wires
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened

### **71 22 200 / 71 22 200 T\***

> Opening spring and locking device are integrated in the handles for comfortable work and safe transport

### **71 22 200 T\***

> Pliers with tether attachment point for mounting a fall protection system

### **71 41 200 / 71 42 200**

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



71 21 200



71 22 200



71 42 200 T

**60 % less effort required compared to conventional high-leverage diagonal cutters**

The ingenious lever action mechanism guarantees an extremely favourable lever ratio with very low friction. Manual force is reinforced up to 30 times.



71 41 200 & 71 42 200



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Cutting capacities				Δ g
						Ø mm	Ø mm	Ø mm	Ø mm	
71 21 200	066866	200	20° (PATENTED)	black atramentized	plastic coated	6.0	5.2	4.0	3.6	320
71 22 200	066873	200	20° (PATENTED)	black atramentized	with slim multi-component grips	6.0	5.2	4.0	3.6	375
71 22 200 T	080053	200	20° (PATENTED)	black atramentized	with slim multi-component grips, with integrated tether attachment point for a tool tether	6.0	5.2	4.0	3.6	370
71 41 200	066897	200	20° (PATENTED)	black atramentized	plastic coated	6.0	5.2	4.0	3.6	335
71 42 200	087212	200	20° (PATENTED)	black atramentized	with slim multi-component grips	6.0	5.2	4.0	3.6	380



# KNIPEX CoBolt

## Compact Bolt Cutters

- > With precision cutting edges for soft, hard and piano wire
- > Cuts bolts, nails, rivets, etc. up to Ø 5.2 mm
- > Efficient joint design ensures exceptional cutting performance with little effort
- > With recess for easier cutting of thicker wires
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened

### 71 32 200 / 71 32 200 T\*

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

### 71 32 200 T\*

- > Pliers with tether attachment point for mounting a fall protection



71 31 200



71 32 200



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Cutting capacities				g
						Ø mm	Ø mm	Ø mm	Ø mm	
71 31 200	042327	200		black atramentized	plastic coated	6.0	5.2	4.0	3.6	330
71 32 200	066880	200		black atramentized	with slim multi-component grips	6.0	5.2	4.0	3.6	370
71 32 200 T	080060	200		black atramentized	with slim multi-component grips, with integrated tether attachment point for a tool tether	6.0	5.2	4.0	3.6	380

# KNIPEX CoBolt XL

## Compact Bolt Cutters

- ▶ For powerful cutting of larger cross-sections as well as very hard materials
- ▶ Two-hand operation for maximum cutting force

- > 60 % less effort required compared to conventional high-leverage diagonal cutters
- > 40-fold increase of manual force due to special joint design
- > With gripping surface below the joint for gripping and pulling wires from Ø 1.0 mm
- > Induction-hardened precision blades: cutting edge hardness approx. 64 HRC
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened

### 71 01 250

- > Straight cutting edges

### 71 31 250

- > Blades with recess for easier cutting of larger cross-sections due to better leverage close to the fulcrum



71 01 250



71 31 250



71 31 250



Two-hand operation for maximum cutting force

Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Cutting capacities			g
						Ø mm	Ø mm	Ø mm	
71 01 250	079637	250		black atramentized	plastic coated	5.6	4.0	3.8	465
71 31 250	079644	250		black atramentized	plastic coated	6.0	4.3	4.2	475



# Bolt Cutters

- > Cutting capacity up to 48 HRC hardness
- > Robust cutting edges are additionally induction-hardened, cutting edge hardness approx. 62 HRC
- > Forged-in stopper with comfortable shock- absorber
- > Good access due to very flat construction of head and joint area
- > Ergonomically angled handles to minimise effort
- > Sturdy non-slip two-colour multi-component handle sleeves
- > Precise adjustment (12 positions) by eccentric bolt
- > High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- > Bolted cutter head, replaceable
- > Joint: special tool steel, forged
- > Handles: steel tube, powder-coated
- > Blade: chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



Forged-in stopper with damping inserts:  
cushions the cutting stroke comfortably



71 72 460

71 72 610

71 72 760

71 72 910



						Cutting capacities			
Article No.	EAN 4003773-	↔ mm		Head	Handles	HRC 19 Ø mm	HRC 40 Ø mm	HRC 48 Ø mm	⚖ g
71 72 460	066750	460	✂	grey atramentized	with multi-component grips	8.0	6.0	5.0	2100
71 72 610	066767	610				9.0	8.0	7.0	2550
71 72 760	066774	760				11.0	9.0	8.0	4250
71 72 910	066781	910				13.0	10.0	9.0	4950
71 79 460	066804	Spare cutter head for 71 72 460 complete with screws							
71 79 610	066811	Spare cutter head for 71 72 610 complete with screws							
71 79 760	066828	Spare cutter head for 71 72 760 complete with screws							
71 79 910	066835	Spare cutter head for 71 72 910 complete with screws							

# Concrete Mesh Cutter

- > Cutting capacity up to 48 HRC hardness
- > Robust cutting edges are additionally induction-hardened, cutting edge hardness approx. 62 HRC
- > Forged-in stopper with comfortable shock- absorber
- > Good access due to very flat construction of head and joint area
- > Sturdy non-slip two-colour multi-component handle sleeves
- > Precise adjustment (12 positions) by eccentric bolt
- > High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- > Bolted cutter head, replaceable
- > Joint: special tool steel, forged
- > Handles: steel tube, powder-coated
- > Blade: chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



The special shape of the mesh cutter head, 71 82 950, enables it to cut structural steel that is lying down flat



71 82 950

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities			⚖ g
						HRC 19 Ø mm	HRC 40 Ø mm	HRC 48 Ø mm	
71 82 950	066798	950	▶◀	grey atramentized	with multi-component grips	11.0	9.0	6.0	4110
71 89 950	066842	Spare cutter head for 71 82 950 complete with screws							

# Bolt End Cutting Nippers

## high lever transmission

► Powerful, compact, comfortable

- > Better handling, greater capacity and lower handforce required compared to conventional bolt end cutting nippers
- > With cutting edges for soft, hard and piano wire
- > Particularly high cutting capacity with minimum effort due to optimum transmission ratio
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Vanadium electric steel, forged, multi stage oil-hardened

### 61 02 200

- > With slim multi-component grips without collar for better handling and easier transport; with large contact surface on the handles for better allotment of pressure and more comfort at work



61 01 200



61 02 200



Almost flush cutting of bolts, nails etc.



Particularly efficient for fence construction



Extraordinary cutting performance: also for piano wire



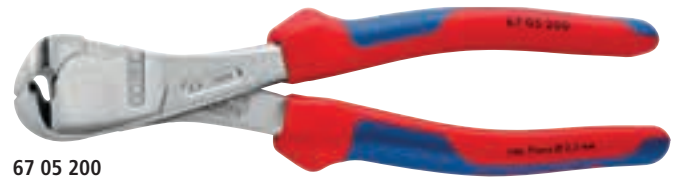
Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				g
							Ø mm	Ø mm	Ø mm	Ø mm	
61 01 200	033172	200	✂ 85°	black atramentized	polished	plastic coated	1.0 – 6.0	4.0	3.5	3.0	435
61 02 200	067047	200	✂ 85°	black atramentized	polished	with slim multi-component grips	1.0 – 6.0	4.0	3.5	3.0	435





# High Leverage End Cutting Nippers

- > With cutting edges for soft, hard and piano wire
- > High cutting capacity with little effort due to optimum coordination of cutting edge angle and transmission ratio
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
- > DIN ISO 5748



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				⚖ g
							Ø mm	Ø mm	Ø mm	Ø mm	
67 01 140	043690	140	✂	black atramentized	polished	plastic coated	4.0	3.1	2.0	1.5	152
67 01 160	040620	160					4.5	3.4	2.5	2.0	237
67 01 200	040637	200					5.0	3.8	3.0	2.5	318
67 05 140	017929	140	✂	chrome-plated	chrome-plated	with multi-component grips	4.0	3.1	2.0	1.5	176
67 05 160	017936	160					4.5	3.4	2.5	2.0	266
67 05 200	017943	200					5.0	3.8	3.0	2.5	361

# End Cutting Nippers

- ▶ Suitable for twisting and cutting binding wire
- ▶ The head shape provides optimised movement when tightening steel mesh knots during reinforced concrete work

- > With cutting edges for soft and hard wire
- > Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC
- > High-grade special tool steel, forged, multi stage oil-hardened
- > DIN ISO 5748



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities			⚖ g
							Ø mm	Ø mm	Ø mm	
68 01 160	013792	160	✂	black atramentized	polished	plastic coated	4.0	2.8	2.3	202
68 01 180	013808	180					4.0	3.2	2.5	284
68 01 200	013815	200					4.0	3.5	2.8	319
68 01 280	077664	280					4.5	4.0	3.2	465



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# Pliers Wrenches

## Pliers and a wrench in a single tool

- ▶ Replaces the need for sets of metric and imperial spanners
- ▶ Smooth jaws for damage free installation of plated fittings – working directly on chrome!
- ▶ Practical adjustment scale: A laser-cut (metric and imperial) scale enables pre-setting to the width across flats

- > Quick adjustment with push button directly on the workpiece
- > Great for gripping, holding, pressing and bending workpieces
- > High lever transmission for strong gripping power
- > 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
- > Reliable catching of the hinge bolt: no unintentional shifting
- > The ratchet mechanism allows quick and easy tightening and release of all bolted connections
- > Fast adjustment by pushing a button directly on the workpiece
- > No unintentional shift of the gripping jaws and no slipping of the joint
- > Chrome vanadium electric steel, forged, oil-hardened

### 125 mm

- > The mini pliers wrench for precision mechanics
- > Particularly suitable for working on small bolted connections
- > Very good access in very confined areas

### 150 mm

- > Ideal multi-purpose wrench in pocket size
- > Indispensable companion in emergency tool kit

### 180 mm

- > With narrow gripping jaws – for tightening situations that require a slim tool

### 250 mm

- > Standard version
- > Great for gripping, holding, pressing and bending workpieces

### 300 mm

- > With widths across flats up to 68 mm, also for heavy-duty screwdriving work

### 180, 250 & 300 mm

- > With scaling for presetting the width apart from the workpiece

### 86 05 180 T / 86 05 250 T\*

- > Pliers with tether attachment point for mounting a fall protection system



86 01 180



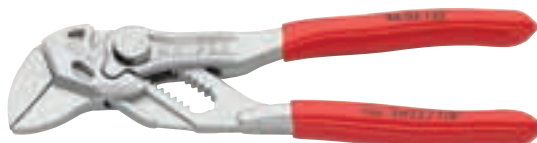
86 01 300



86 02 180



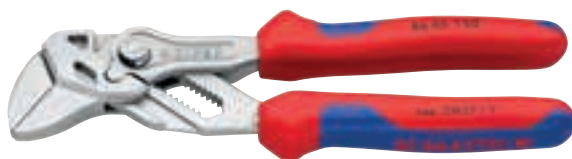
86 02 250



86 03 125



86 03 250

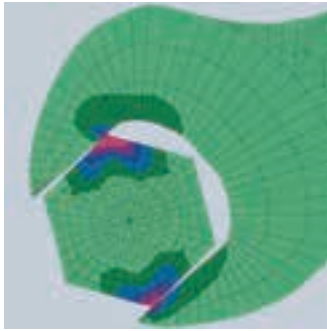


86 05 150

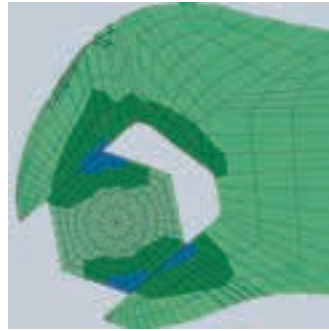


86 05 180

The smooth jaws grip all parallel surfaces in the capacity range with a high degree of pressure if necessary and open up almost unlimited application possibilities for the pliers wrench: e.g. for tightening locknuts, exerting pressure to activate the adhesive power of contact adhesives, edge breaking in tile work, snapping cable ties, utilisation as a small vice.



Conventional open end wrench: edge pressure causes surface damage



Pliers wrench: zero backlash contact pressure, no damage to edges



Replaces the need for sets of metric and imperial spanners



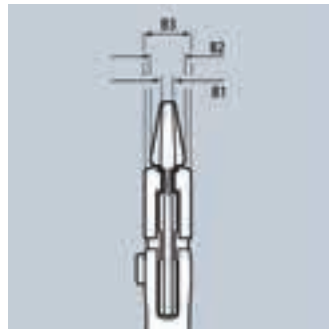
Ideal for bending operations













Opening width lasered onto the pliers head (metric on the front and imperial on the back)



Fast adjustment at the touch of a button



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	 Inch	 mm	Adjustment positions	Dimensions			 g
									B1 mm	B2 mm	B3 mm	
<b>86 01 180</b>	084273	180		grey atramentized	with non-slip plastic coating	1 1/2	40.0	15	5.0	8.0	12.0	230
<b>86 01 250</b>	082385	250				2	52.0	19	8.0	8.0	14.0	465
<b>86 01 300</b>	084662	300				2 1/2	68.0	24	9.5	9.5	15.0	645
<b>86 02 180</b>	084280	180		grey atramentized	with multi-component grips	1 1/2	40.0	15	5.0	8.0	12.0	255
<b>86 02 250</b>	082392	250				2	52.0	19	8.0	8.0	14.0	485
<b>86 03 125</b>	077497	125		chrome-plated	plastic coated	7/8	23.0	11	3.0	5.0	9.5	105
<b>86 03 150</b>	069676	150				1	27.0	14	4.7	7.0	10.5	175
<b>86 03 180</b>	035466	180				1 1/2	40.0	15	5.0	8.0	12.0	230
<b>86 03 250</b>	033837	250				2	52.0	19	8.0	8.0	14.0	465
<b>86 03 300</b>	041429	300				2 1/2	68.0	24	9.5	9.5	15.0	656
<b>86 05 150</b>	069928	150		chrome-plated	with multi-component grips	1	27.0	14	4.7	7.0	10.5	193
<b>86 05 180</b>	047162	180				1 1/2	40.0	15	5.0	8.0	12.0	260
<b>86 05 250</b>	047841	250				2	52.0	19	8.0	8.0	14.0	490
<b>86 05 180 T</b>	080121	180		chrome-plated	with multi-component grips, with integrated tether attachment point for a tool tether	1 1/2	40.0	15	5.0	8.0	12.0	260
<b>86 05 250 T</b>	080138	250				2	52.0	19	8.0	8.0	14.0	500
<b>86 06 250</b>	082408	250	 	chrome-plated	insulated with multi-component grips, VDE-tested	2	52.0	19	8.0	8.0	14.0	525
<b>87 09 01</b>	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)										
<b>87 09 125</b>	074151	Assortment of spare parts for adjustment for 86 / 87 125										
<b>86 09 150</b>	073123	Assortment of spare parts for adjustment for 86 150										
<b>86 09 180</b>	037514	Assortment of spare parts for adjustment for 86 XX 180										



# Pliers Wrenches XS

## Pliers and a wrench in a single tool

- ▶ Optimum accessibility, even in confined spaces: particularly compact design, very slim head
- ▶ One-handed fine adjustment by pushing for the simplest adjustment to different workpiece sizes
- > Enormous gripping capacity with a tool length of only 100 mm; parallel jaw opening grips continuously up to 21 mm width across flats
- > Robust sliding joint offers high stability and resilience
- > Smooth jaws for the gentle assembly of sensitive fittings and parts with delicate surface finishes: can be used directly on chrome due to the smooth full-surface contact
- > Versatile areas of application: precision engineering, plumbing, an essential part of any bicycle or motorcycle toolkit, EDC (Every Day Carry), model making
- > Pinch guard prevents operators' fingers being pinched
- > Fine adjustment with 10 adjustment positions




86 04 100



Due to the high lever transmission joint, the Pliers Wrench XS grips, presses and holds everything tightly.



Despite its small size, the Pliers Wrench XS grips nuts and parallel workpieces up to 21 mm safely and gently.

Article No.	EAN	↔ mm		Pliers	Handles	Hex Inch	Hex mm	Adjustment positions	⚖ g
86 04 100	4003773-087281	100	 (PATENTED)	chrome-plated	embossed, rough surface	3/4	21.0	10	70

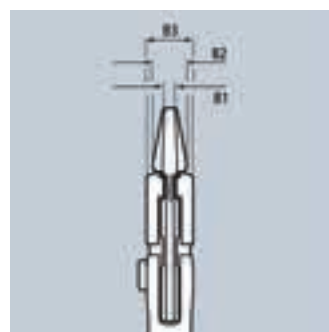
# Pliers Wrench XL


## pliers and a wrench in a single tool

- ▶ The unique installation tool now also in 400 mm length
- ▶ For opening widths up to 85 mm / 3 3/8"
- > Great for gripping, holding, pressing and bending workpieces
- > Optimised adjustment to the workpiece with hand-friendly position of grips
- > Reliable catching of the hinge bolt: no unintentional shifting
- > High lever transmission for strong gripping power
- > Quick adjustment with push button directly on the workpiece
- > The ratchet mechanism allows quick and easy tightening and release of all bolted connections
- > Parallel jaws give a more solid grip; its design allows flexible adjustment of all widths up to the specified maximum size
- > Smooth jaws, for damage free installation of quality union joints made from brass, red brass or stainless steel
- > Zero backlash jaw pressure prevents damage to edges of sensitive components
- > Chrome vanadium electric steel, forged, oil-hardened



86 03 400



Article No.	EAN	↔ mm		Pliers	Handles	Hex Inch	Hex mm	Adjustment positions	Dimensions			⚖ g
									B1 mm	B2 mm	B3 mm	
86 03 400	4003773-077312	400		chrome-plated	plastic coated	3 3/8	85.0	25	12.5	16.0	20.0	1460
87 09 400	034391	Assortment of spare parts for adjustment for 87 400										

# Set of Pliers Wrenches

**All-purpose tool in a set: five pliers wrenches in space-saving roll-up bag**

- ▶ Pliers wrenches from KNIPEX are ideally suited for the gentle gripping, holding, pressing and bending of workpieces
- ▶ Each one replacing an entire set of wrenches

> Tool roll made of hard-wearing polyester fabric, with hook-and-loop fastener

## 00 19 55 S4

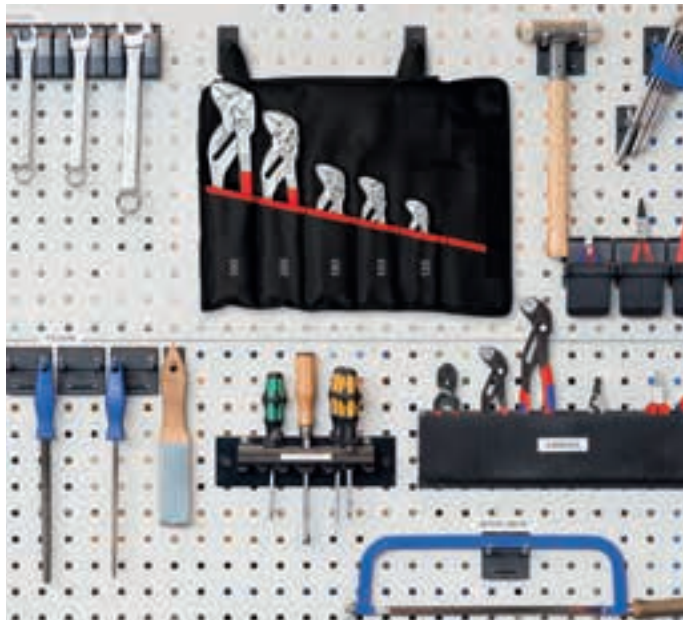
> Equipped with pliers wrenches in five different lengths from 125 to 300 mm

## 00 19 55 S6

> Equipped with pliers wrenches in lengths from 125, 180 and 250 mm

## 00 19 55 S7

> Equipped with pliers wrenches in lengths from 1150, 250 and 300 mm







00 19 55 S4



00 19 55 S6



00 19 55 S7

Article No.	EAN 4003773-			Nominal size	Quantity	 g	
00 19 55 S4	077817	Set of Pliers Wrenches				1925	
			86 03 125	Mini pliers wrench	125 mm		1
			86 03 150	Pliers Wrench	150 mm		1
			86 03 180		180 mm		1
			86 03 250		250 mm		1
			86 03 300		300 mm		1
00 19 55 S6	086505	Set of Pliers Wrenches				1030	
			86 03 125	Mini pliers wrench	125 mm		1
			86 03 180	Pliers Wrench	180 mm		1
			86 03 250		250 mm		1
00 19 55 S7	086512	Set of Pliers Wrenches				1520	
			86 03 150	Pliers Wrench	150 mm		1
			86 03 250		250 mm		1
			86 03 300		300 mm		1
00 19 55 S4 LE	077824	Roll-up case for pliers wrenches, empty, 6 compartments					
00 19 55 S6 LE	086482	Roll-up case for pliers wrenches, empty, 4 compartments					

# Pliers Wrench

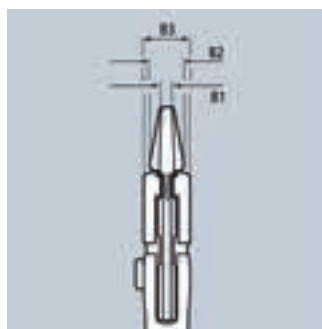
with roughened jaws

especially for opening plastic cable connectors

- > Great for gripping, holding, pressing and bending workpieces
- > No unintentional shift of the gripping jaws and no slipping of the joint
- > High lever transmission for strong gripping power
- > Fast adjustment by pushing a button directly on the workpiece
- > Infinitely variable gripping of parallel surfaces up to the specified capacity by means of parallel jaws
- > Zero backlash, full-surface contact
- > Roughened jaws for a better grip
- > Chrome vanadium electric steel, forged, oil-hardened



86 05 150 502



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Inch	mm	Adjustment positions	Dimensions			g
									B1 mm	B2 mm	B3 mm	
86 05 150 502	071785	150		chrome-plated	with multi-component grips	1	27.0	14	4.7	7.0	10.5	193
86 09 150	073123	Assortment of spare parts for adjustment for 86 150										

## Protective jaws

for 86 XX 180 / 86 XX 250 / 86 XX 300

- > The perfect choice for designer fittings and other highly sensitive materials due to the soft, smooth gripping surfaces
- > Permits use on chrome if the jaws of the pliers wrench have been damaged due to improper or rough use
- > Easily and reliably fitted to the gripping jaws and firmly holds in place
- > Set consisting of 3 pairs of protective jaws made of plastic (similar to illustrations)



86 09 250 V01



Article No.	EAN 4003773-	Description	g
86 09 180 V01	085805	3 pairs of plastic jaws for all 86 XX 180 models (models from 2019)	11
86 09 250 V01	084143	3 pairs of plastic jaws for all 86 XX 250 models (models from 2018)	14
86 09 300 V01	085812	3 pairs of plastic jaws for all 86 XX 300 models (models from 2020)	15



# KNIPEX TwinGrip

## Slip Joint Pliers

- ▶ Unique combination: Front grip and side grip function, box joint, push button adjustment
  - ▶ Very slim pliers let you work even in confined installation spaces with a narrow turning zone for fast results
  - ▶ High-grip front jaw with robust teeth and high gear ratio at the tip of the mouth
- > Large front and side gripping capacity for diameters and widths across flats 4–22 mm
  - > Reliable front gripping of flat workpieces due to the three-point system
  - > Gripping, tightening and loosening screws with worn heads and threads
  - > Five-way adjustable slip joint with push button adjustment for precise adjustment of gripping capacity
  - > Pinch stop reduces the risk of crushed fingers
  - > Durable and resilient due to the robust box joint
  - > Forged from high-grade chrome vanadium electric steel, oil-hardened, teeth additionally induction-hardened to approx. 61 HRC



82 01 200



82 02 200



Optimised jaw geometry: 2-zone gripping jaw with opposing alignment of teeth – for maximum grip when loosening and tightening.

Comfortable and reliable: The push-button adjusts the gripping capacity in five steps directly on the workpiece and then locks securely – no accidental loss of adjustment!






The KNIPEX TwinGrip allows the gripping capacity to be set flexibly in five positions...



...and the position to be changed quickly at the touch of a button!



The box-joint is robust and flexible, so that the pliers can hold workpieces between 4 and 22 mm in place.

Article No.	EAN 4003773-	↔ mm	Pliers	Handles	 Inch	 mm	Adjustment positions	 g
82 01 200	087243	200	grey atramentized	with non-slip plastic coating	7/8	22.0	5	236
82 02 200	087250	200	grey atramentized	with multi-component grips	7/8	22.0	5	268



# Multiple Slip Joint Spanner

- > For metric and imperial nuts and screws with widths across flats from 10 to 32 mm (3/8" up to 1 1/4"); self-locking from 17 mm: no slipping on the workpiece
- > Zero backlash gripping of metric or imperial hexagonal headed screws, no rounding of bolt heads
- > Reliable and tight gripping of rounded, rusty, or thick coated bolts and screws
- > Ideal for work on vehicle brake systems
- > Quick tightening of bolted connections using ratchet action
- > Push the button for adjustment on the workpiece, also possible with one hand only
- > Fine adjustment for optimum adaptation to different sizes of workpieces and a comfortable handle width
- > Box-joint design for high stability due to double guide
- > Reliable catching of the hinge bolt: no unintentional shifting
- > Favourable lever action: optimum transmission of force
- > Pinch guard prevents operators' fingers being pinched
- > Replaces a set of wrenches, ideal for tightening locknuts
- > Chrome vanadium electric steel, forged, multi stage oil-hardened



87 41 250



In operation on rusted nut with rounded edges



Self-locking: no slip on workpieces; less effort required

The Multiple Slip Joint Spanner combines the convenience of the comfortable push-button adjustment on the workpiece and the function of an all-purpose tightening tool. Jaw gripping with zero backlash prevents slipping on the bolt head or rounding edges. Even rusty or thick coated bolted connections which have no surfaces capable of being gripped reliably by a conventional spanner can be managed by the exceptionally powerful closing gripping jaws of this spanner.



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	 Inch	 mm	Adjustment positions	 g
87 41 250	054566	250		grey atramentized	with non-slip plastic coating	1 1/4	32.0	15	328
87 09 01	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)							

## KNIPEX 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
- > Good access to the workpiece due to the slim dimensions of head and joint area and flush joint bolt
- > 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
- > Box-joint design for high stability due to double guide
- > Pinch guard prevents operators' fingers being pinched
- > Locking lever for space-saving transport with reliable closed handles
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 8976



85 01 250

Adjustment to suit the workpiece is automatic with the KNIPEX SmartGrip®!  
Place the outer jaw on the workpiece, squeeze the handles – turn!



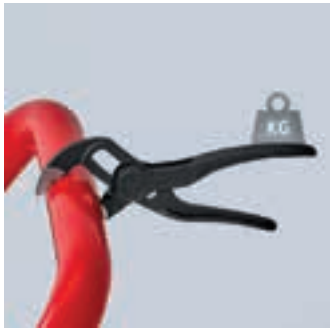
Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Ø Inch	Ø mm	 mm	 g
85 01 250	061304	250	(PATENTED)	grey atramentized	polished	with non-slip plastic coating	1 1/4	32.0	36.0	370

# KNIPEX Cobra® XS

- ▶ Optimum accessibility, even in confined spaces: particularly compact design, very slim head
  - ▶ One-handed fine adjustment by pushing for the simplest adjustment to different workpiece sizes
- > Gripping capacity Ø 28 mm, width across flats up to 24 mm – at only 100 mm length
- > Box joint: high quality and durability provided by dual guide
- > Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping
- > Self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
- > Pinch guard prevents operators' fingers being pinched
- > Fine adjustment with 11 adjustment positions
- > DIN ISO 8976



87 00 100




Self-locking and durable – all part of genuine KNIPEX Water Pump Pliers



Naked truth: The grips are not coated to keep them as slim as possible. To ensure good grip, they are texturised on the outside



Article No.	EAN	↔ mm		Pliers	Head	Handles	⌀ Inch	⌀ mm	⬡ mm	Adjustment positions	⚖ g
87 00 100	4003773-085836	100	 (PATENTED)	grey atramentized	polished	embossed, rough surface	1	28.0	24.0	11	62

# **KNIPEX Cobra®**

## **High-Tech 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
- > Box-joint design for high stability due to double guide
- > Reliable catching of the hinge bolt: no unintentional shifting
- > Pinch guard prevents operators' fingers being pinched
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 8976

### **87 02 250 / 87 02 250 T / 87 05 250**

- > With slim multi-component grips without collar for better handling and easier transport

### **87 02 180 T / 87 02 250 T / 87 02 300 T\***

- > Pliers with tether attachment point for mounting a fall protection system

## **KNIPEX Cobra® – the Hightech Water Pump Pliers.**

No more time-consuming presetting of the required opening size. Just position the upper jaw to the workpiece, push the button and move close the lower jaw, ingeniously simple.



Fine adjustment by pushing a button: fast and comfortable



Fast and firm adjustment directly on the workpiece



87 01 125



87 01 250



87 01 300



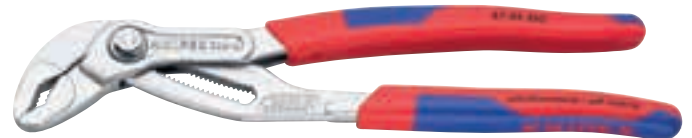
87 02 180



87 02 250 T



87 03 250

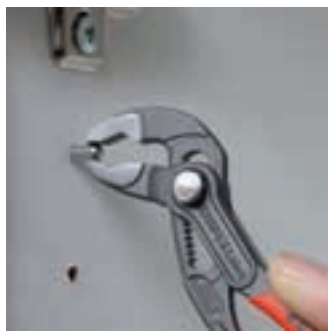


87 05 250



Teeth set against the direction of rotation have a self-locking effect and prevent slipping on the workpiece.





Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Ø Inch	Ø mm	mm	Adjustment positions	g
<b>87 01 125</b>	069935	125		grey atramentized	polished	with non-slip plastic coating	1	30.0	27.0	13	85
<b>87 01 150</b>	060116	150		grey atramentized	polished	with non-slip plastic coating	1 3/8	36.0	32.0	16	145
<b>87 01 180</b>	022015	180		grey atramentized	polished	with non-slip plastic coating	1 1/2	42.0	36.0	18	170
<b>87 01 250</b>	022022	250		grey atramentized	polished	with non-slip plastic coating	2	50.0	46.0	25	335
<b>87 01 300</b>	034087	300		grey atramentized	polished	with non-slip plastic coating	2 3/4	70.0	60.0	30	530
<b>87 02 180</b>	042396	180		grey atramentized	polished	with multi-component grips	1 1/2	42.0	36.0	18	196
<b>87 02 300</b>	029144	300		grey atramentized	polished	with multi-component grips	2 3/4	70.0	60.0	30	580
<b>87 02 180 T</b>	080145	180		grey atramentized	polished	with multi-component grips, with integrated tether attachment point for a tool tether	1 1/2	42.0	36.0	18	200
<b>87 02 300 T</b>	080169	300		grey atramentized	polished	with multi-component grips, with integrated tether attachment point for a tool tether	2 3/4	70.0	60.0	30	600
<b>87 02 250</b>	040316	250		grey atramentized	polished	with slim multi-component grips	2	50.0	46.0	25	366
<b>87 02 250 T</b>	080152	250		grey atramentized	polished	with multi-component grips, with integrated tether attachment point for a tool tether	2	50.0	46.0	25	370
<b>87 03 125</b>	073949	125					1	29.0	27.0	13	85
<b>87 03 180</b>	005667	180		chrome-plated	chrome-plated	with non-slip plastic coating	1 1/2	42.0	36.0	18	175
<b>87 03 250</b>	043805	250		chrome-plated	chrome-plated	with non-slip plastic coating	2	50.0	46.0	25	335
<b>87 03 300</b>	041382	300		chrome-plated	chrome-plated	with non-slip plastic coating	2 3/4	70.0	60.0	30	530
<b>87 05 250</b>	005681	250		chrome-plated	chrome-plated	with slim multi-component grips	2	50.0	46.0	25	366
<b>87 05 300</b>	014126	300		chrome-plated	chrome-plated	with multi-component grips	2 3/4	70.0	60.0	30	580
<b>87 09 01</b>	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)									
<b>87 09 125</b>	074151	Assortment of spare parts for adjustment for 86 / 87 125									
<b>87 09 150</b>	074168	Assortment of spare parts for adjustment for 87 150									
<b>87 09 180</b>	034360	Assortment of spare parts for adjustment for 87 180									

## Protective jaws

for the KNIPEX Cobra® 87 XX 180/250/300, updated models

- Ideal for protecting round workpieces from marring or scratching

- > The protective jaws prevent damage by covering all of the teeth on the tool
- > Easily and reliably fitted to the gripping jaws and firmly holds in place
- > Smooth gripping surfaces (no teeth)
- > Set consists of 3 pairs of plastic protective jaws



Article No.	EAN 4003773-	Description	g
<b>87 09 180 V01</b>	088066	3 pairs of plastic jaws for all 87 XX 180 mm models (models from 2010)	12
<b>87 09 250 V01</b>	088073	3 pairs of plastic jaws for all 87 XX 250 mm models (models from 2007)	15
<b>87 09 300 V01</b>	088080	3 pairs of plastic jaws for all 87 XX 300 mm models (models from 2008)	33



# **KNIPEX Cobra® XL / XXL**

## **Water Pump Pliers**

- > Greater gripping capacity but much lower weight than comparable pipe wrenches
- > Fast push-button adjustment directly on the workpiece, no unintentional slipping of the joint
- > 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
- > Box-joint design for high stability due to double guide
- > Pinch guard prevents operators' fingers being pinched
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 8976



87 01 400

87 01 560



**KNIPEX Cobra® XL**  
length 400 mm – weight 1195 g

**gripping a union nut of a 2" pipe fitting**  
large gripping capacity of 95 mm,  
would require a 3-inch pipe wrench



smaller dimensions and less  
weight than 1 1/2" pipe  
wrenches

**2" pipe wrench**  
length 560 mm – weight 2670 g



gripping the 2" union nut exceeds  
the capacity of a 2" pipe wrench;  
no confident working conditions

Article No.	EAN	↔ mm		Pliers	Head	Handles	Ø Inch	Ø mm	mm	Adjustment positions	g
87 01 400	4003773-005636	400		grey atramentized	polished	with non-slip plastic coating	3 1/2	90.0	95.0	27	1190
87 01 560	044321	560					4 1/2	115.0	120.0	20	2780
87 09 400	034391	Assortment of spare parts for adjustment for 87 400									
87 09 560	049845	Assortment of spare parts for adjustment for 87 560									

## KNIPEX Cobra® Sets

- ▶ The KNIPEX Cobra® are the legendary high-tech water pump pliers from KNIPEX
- ▶ With their extremely strong self-locking effect, they allow energy-saving work without slipping on the workpiece

> Tool roll made of hard-wearing polyester fabric, with hook-and-loop fastener







00 19 55 S8



00 19 55 S9



00 19 55 S5

Article No.	EAN 4003773-				Nominal size	Quantity	 g
00 19 55 S5	082613	KNIPEX Cobra® Set					1575
			87 01 125	KNIPEX Cobra® High-Tech Water Pump Pliers	125 mm	1	
			87 01 150		150 mm	1	
			87 01 180		180 mm	1	
			87 01 250		250 mm	1	
			87 01 300		300 mm	1	
00 19 55 S8	086529	KNIPEX Cobra® Set					820
			87 01 125	KNIPEX Cobra® High-Tech Water Pump Pliers	125 mm	1	
			87 01 180		180 mm	1	
			87 01 250		250 mm	1	
00 19 55 S9	086536	KNIPEX Cobra® Set					1255
			87 01 150	KNIPEX Cobra® High-Tech Water Pump Pliers	150 mm	1	
			87 01 250		250 mm	1	
			87 01 300		300 mm	1	
00 19 55 S5 LE	082620	Roll-up case for KNIPEX Cobra®, empty, 6 compartments					
00 19 55 S8 LE	086499	Roll-up case for KNIPEX Cobra®, empty, 4 compartments					

## KNIPEX Cobra®...matic

### Water Pump Pliers

- > All features of the KNIPEX Cobra® 87 01 250
- > Automatic adjustment at the touch of a button directly on the workpiece
- > The sheltered positioned spring ensures that the pliers close automatically once the push-button is activated (one-hand operation!)
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 8976



87 11 250

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	⊘ Inch	⊘ mm	⬡ mm	Adjustment positions	⚖ g
87 11 250	035473	250		grey atramentized	polished	with non-slip plastic coating	2	50.0	46.0	25	335
87 09 01	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)									
87 19 250	022640	Spare spring for 87 11 250									

# **KNIPEX Cobra® QuickSet**

## **High-Tech 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
- > 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
- > Box-joint design for high stability due to double guide
- > Pinch guard prevents operators' fingers being pinched
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 8976



87 21 250



87 22 250



Press the button – open pliers completely






Position jaw – simply slide and close pliers



Hinge bolt locks itself with the first workload



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Ø Inch	Ø mm	mm	Adjustment positions	Δ g
87 21 250	072775	250	 PATENTED	grey atramentized	polished	with non-slip plastic coating	2	50.0	46.0	25	335
87 21 300	078524	300	 PATENTED	grey atramentized	polished	with non-slip plastic coating	2 3/4	70.0	60.0	25	530
87 22 250	077794	250	 PATENTED	grey atramentized	polished	with slim multi-component grips	2	50.0	46.0	25	366
87 29 01	079002	Assortment of spare parts for 87 2X 250									
87 29 300	084570	Assortment of spare parts for 87 21 300									

# **KNIPEX Cobra® VDE**

## **High-Tech Water Pump Pliers**

- > Adjustment by sliding one jaw directly on to the workpiece: fast, reliable and comfortable handling
- > Fine adjustment: allows optimum adjustment to differently sized workpieces and comfortable handle position
- > Good access to the workpiece due to slim size of head and joint area
- > 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
- > Box-joint design for high stability due to double guide
- > Pinch guard prevents operators' fingers being pinched
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 8976
- > DIN EN 60900
- > IEC 60900

### **87 26 250 T\***

- > Pliers with tether attachment point for mounting a fall protection system



**87 26 250**



**87 26 250 T**

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!

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Ø Inch	Ø mm	mm	Adjustment positions	⚖ g
<b>87 26 250</b>	071495	250	PATENTED 1000 V	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2	50.0	46.0	24	340
<b>87 26 250 T</b>	081517	250	PATENTED 1000 V	chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	2	50.0	46.0	24	400
<b>87 29 01</b>	079002	Assortment of spare parts for 87 2X 250									

# **KNIPEX Cobra® ES**

## **Water Pump Pliers extra-slim**

- > Ideal for service, maintenance and equipment repair, in automotive and general industry
- > Long, narrow jaws
- > Particularly good access to the workpiece due to very slim construction of head and joint area
- > Firm grip also on flat material due to three-point rest
- > 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
- > Box-joint design for high stability due to double guide
- > Reliable catching of the hinge bolt: no unintentional shifting
- > Favourable lever action: optimum transmission of force
- > Pinch guard prevents operators' fingers being pinched
- > Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 8976



**87 51 250**



Very slim design in the complete head and joint area (compared to conventional water pump pliers)



Optimum access to the workpiece. Ideal for service, maintenance and equipment repair, in automotive and general industry

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Ø Inch	Ø mm	mm	max. parallel opening width	max. gripping depth	Adjustment positions	⚖ g
<b>87 51 250</b>	061267	250		grey atramentized	polished	with non-slip plastic coating	1 1/4	32.0	34.0	37.0	42.0	19	328
<b>87 09 01</b>	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)											

\* Other tools with tethering can be found from page 294



# **KNIPEX Alligator®**

## **Water Pump Pliers**

- ▶ Good access to the workpiece due to slim size of head and joint area
- ▶ More output and comfort compared to conventional water pump pliers of the same length: 9-notch adjustment positioning for 30 % more gripping capacity
- > 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
- > Box-joint design for high stability due to double guide
- > Robust construction, insensitive to dirt; particularly suitable for outdoor work
- > Pinch guard prevents operators' fingers being pinched
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 8976

### **88 02 250 / 88 02 250 T / 88 05 250**

- > With slim multi-component grips without collar for better handling and easier transport

### **88 02 250 T / 88 02 300 T\***

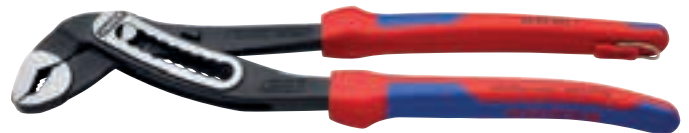
- > Pliers with tether attachment point for mounting a fall protection system



88 01 180



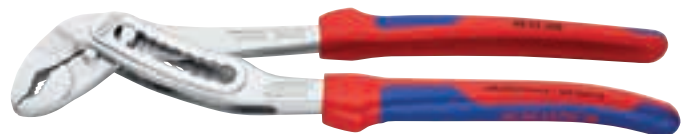
88 02 250



88 02 300 T



88 03 250



88 05 300



88 06 250



88 07 250



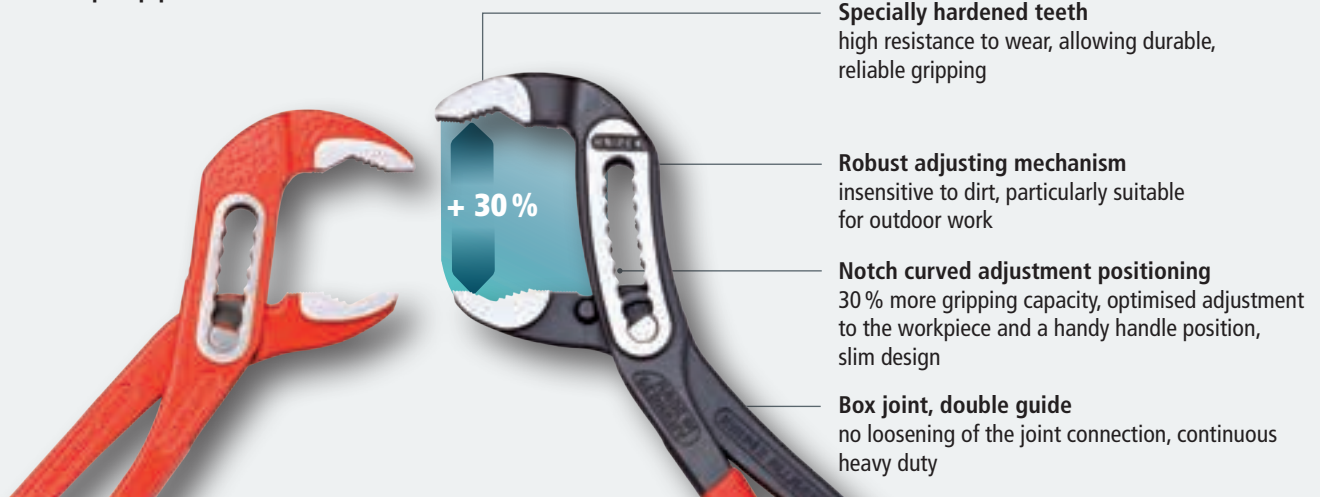
Self-locking on pipes and nuts: no slipping on the workpiece; the complete actuating force can be used to turn the workpieces; not having to squeeze the pliers handles reduces the required effort





### Conventional water pump pliers

### KNIPEX Alligator® 250/300



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Ø Inch	Ø mm	mm	Adjustment positions	g
<b>88 01 180</b>	035480	180		black atramentized	polished	with non-slip plastic coating	1 1/2	42.0	36.0	9	180
<b>88 01 250</b>	022992	250		black atramentized	polished	with non-slip plastic coating	2	50.0	46.0	9	331
<b>88 01 300</b>	034094	300		black atramentized	polished	with non-slip plastic coating	2 3/4	70.0	60.0	9	511
<b>88 02 180</b>	044222	180		black atramentized	polished	with multi-component grips	1 1/2	42.0	36.0	9	210
<b>88 02 300</b>	029151	300		black atramentized	polished	with multi-component grips	2 3/4	70.0	60.0	9	565
<b>88 02 300 T</b>	080183	300		black atramentized	polished	with multi-component grips, with integrated tether attachment point for a tool tether	2 3/4	70.0	60.0	9	595
<b>88 02 250</b>	019282	250		black atramentized	polished	with slim multi-component grips	2	50.0	46.0	9	347
<b>88 02 250 T</b>	080176	250		black atramentized	polished	with slim multi-component grips, with integrated tether attachment point for a tool tether	2	50.0	46.0	9	370
<b>88 03 180</b>	042860	180		chrome-plated	chrome-plated	with non-slip plastic coating	1 1/2	42.0	36.0	9	181
<b>88 03 250</b>	005742	250		chrome-plated	chrome-plated	with non-slip plastic coating	2	50.0	46.0	9	319
<b>88 03 300</b>	019312	300		chrome-plated	chrome-plated	with non-slip plastic coating	2 3/4	70.0	60.0	9	499
<b>88 05 180</b>	060130	180		chrome-plated	chrome-plated	with multi-component grips	1 1/2	42.0	36.0	9	210
<b>88 05 300</b>	042389	300		chrome-plated	chrome-plated	with multi-component grips	2 3/4	70.0	60.0	9	560
<b>88 05 250</b>	035497	250		chrome-plated	chrome-plated	with slim multi-component grips	2	50.0	46.0	9	344
<b>88 06 250</b>	039303	250	⚡ 1000V	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2	50.0	46.0	9	374
<b>88 07 250</b>	019343	250	⚡ 1000V	chrome-plated	chrome-plated	with dipped insulation, VDE-tested	2	50.0	46.0	9	420
<b>88 07 300</b>	022350	300	⚡ 1000V	chrome-plated	chrome-plated	with dipped insulation, VDE-tested	2 3/4	70.0	60.0	9	661

# KNIPEX Alligator® XL

## Water Pump Pliers

- ▶ The classic model, now also in 400 mm length
  - ▶ Robust construction, insensitive to dirt; particularly suitable for outdoor work
- > Good access to the workpiece due to slim size of head and joint area
  - > Pinch guard prevents operators' fingers being pinched
  - > Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping
  - > Self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
  - > Box-joint design for high stability due to double guide
  - > Robust adjustment mechanism, insensitive to dirt, easy to clean; particularly suitable for outdoor work
  - > 11-notch adjustment positioning with a gripping capacity up to 3 1/2", optimised adjustment to the workpiece and user-friendly handle position
  - > Chrome vanadium electric steel, forged, multi stage oil-hardened
  - > DIN ISO 8976



88 01 400

The KNIPEX Alligator® XL offers the performance and comfort of a water pump pliers while being 50 % lighter in weight and having a greater gripping capacity (3 1/2") than comparable pipe wrenches. With their handy length of 400 mm, there is a place for KNIPEX Alligator® XL in every tool box.



### Robust pliers for very hard applications

Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: low wear and stable gripping

Self-locking on pipes and nuts: no slipping on the workpiece and low handforce required

Box-joint design: high stability because of the double guide

Robust adjustment mechanism, insensitive to dirt, easy to clean; particularly suitable for outdoor work

11-notch adjustment for a gripping capacity up to 3 1/2", optimised adjustment to the workpiece and a comfortable handle position

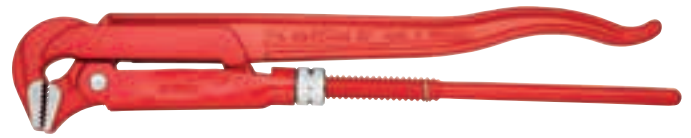


Article No.	EAN	↔ mm		Pliers	Head	Handles	⌀ Inch	⌀ mm	⬡ mm	Adjustment positions	⚖ g
88 01 400	075844	400		black atramentized	polished	with non-slip plastic coating	3 1/2	90.0	95.0	11	1175








## Pipe Wrenches 90°

- > Swedish pattern
- > 90° angled jaws
- > Jaws with offset teeth in opposite direction
- > Teeth additionally induction-hardened
- > I-beam handle design
- > Captive adjusting nut
- > Red powder-coated, jaws bright ground
- > Gripping jaws with specially hardened teeth, hardness approx. 56 HRC
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN 5234



83 10 015



Article No.	EAN 4003773-	↔ mm		Pliers	 Ø Inch	 Ø mm	 Inch	 g
83 10 010	014188	310		red powder-coated	1 5/8	42.0	1	779
83 10 015	014195	420			2 3/8	60.0	1 1/2	1415
83 10 020	014201	560			2 3/4	70.0	2	2600
83 10 030	022329	650			4 3/8	110.0	3	3433
83 10 040	022336	750			5 1/8	130.0	4	4921

## Pipe Wrenches 45°

- > Swedish pattern
- > 45° angled jaws
- > Jaws with offset teeth in opposite direction
- > Teeth additionally induction-hardened
- > I-beam handle design
- > Captive adjusting nut
- > Red powder-coated, jaws bright ground
- > Gripping jaws with specially hardened teeth, hardness approx. 56 HRC
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN 5234



83 20 015



Article No.	EAN 4003773-	↔ mm		Pliers	 Ø Inch	 Ø mm	 Inch	 g
83 20 010	014218	320		red powder-coated	1 5/8	42.0	1	817
83 20 015	014225	430			2 3/8	60.0	1 1/2	1408
83 20 020	014232	570			2 3/4	70.0	2	2596



## Pipe Wrenches S-Type

- > Slim, S-type jaw
- > Jaws with offset teeth in opposite direction
- > Teeth additionally induction-hardened
- > Three-point contact on pipes, self-locking
- > I-beam handle design
- > Captive adjusting nut
- > Red powder-coated, jaws bright ground
- > Gripping jaws with specially hardened teeth, hardness approx. 56 HRC
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN 5234



83 30 015



Article No.	EAN 4003773-	↔ mm		Pliers	Ø Inch	Ø mm	Ø Inch	g
83 30 005	025221	245		red powder-coated	1 1/2	35.0	1/2	472
83 30 010	014249	320			1 5/8	42.0	1	836
83 30 015	014256	420			2 3/8	60.0	1 1/2	1540
83 30 020	014263	570			2 3/4	70.0	2	2669
83 30 030	014164	680			4 3/4	120.0	3	4366

## Pipe Wrenches S-Type

### with fast adjustment

- > Pinch guard prevents operators' fingers being pinched
- > Time-saving, precise adjustment of the gripping width directly on the workpiece at the push of a button
- > Less effort required due to self-locking action
- > No unintentional shifting of the pliers handles
- > High wear resistance due to the additionally hardened teeth
- > Maximum load capability due to completely hardened handles
- > Gripping jaws with specially hardened teeth, hardness approx. 56 HRC
- > Chrome vanadium electric steel, forged, multi stage oil-hardened



83 60 010



83 61 010



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Ø Inch	Ø mm	Ø Inch	g
83 60 010	075424	330		red powder-coated		1 5/8	42.0	1	898
83 60 015	075677	420				2 3/8	60.0	1 1/2	1470
83 60 020	078838	560				2 3/4	70.0	2	2366
83 61 010	077602	330		grey powder-coated	plastic coated	1 5/8	42.0	1	930
83 61 015	077619	420				2 3/8	60.0	1 1/2	1523
83 61 020	078876	560				2 3/4	70.0	2	2456

# Siphon and Connector Pliers

for traps, tube fittings and connectors

- ▶ Ideal for tightening and loosening siphon screw connections, plastic pipe fittings and round union nuts
- ▶ Fine adjustment for ideal adjustment to diverse diameters
- ▶ For connectors, oil filters, plastic pipes and siphons
- ▶ Robust, heavy duty

- > For connectors and couplings with screw connection, such as Cannon circular connectors
- > For gentle loosening of hoses on nozzles and filter cartridges
- > Optimum adhesion on dirt-, oil- and fatfree surfaces
- > 25-way adjustable box joint
- > Ergonomic handle geometry
- > Changeable gripping jaws with two-component plastic insert with a hard carrier component (red) and a soft adhesive component (blue)
- > Chrome vanadium electric steel, forged, oil-hardened
- > DIN ISO 8976

## 81 01 250 / 81 03 250

- > With serrated gripping jaws; up to Ø 80 mm

## 81 11 250 / 81 13 250

- > With exchangeable plastic jaws for sensitive surfaces; up to Ø 75 mm



81 01 250



81 03 250



81 11 250



81 13 250



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Working Capacity Ø mm	Adjustment positions	Δ g
81 01 250	078463	250		black atramentized	polished	with non-slip plastic coating	25.0 – 80.0	25	355
81 03 250	078487	250		chrome-plated	polished	with non-slip plastic coating	25.0 – 80.0	25	355
81 11 250	078470	250		black atramentized	polished	with non-slip plastic coating	10.0 – 75.0	25	345
81 13 250	078494	250		chrome-plated	chrome-plated	with non-slip plastic coating	10.0 – 75.0	25	345
87 09 01	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)							
81 19 250 V01	086567	2 pairs of one-component plastic inserts for 81 11 250 / 81 13 250							
81 19 250 V02	086550	2 pairs of two-component plastic inserts for 81 11 250 / 81 13 250							

# PIPE CUTTER

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90 31 02



# Pipe Cutter

## for multilayer and pneumatic hoses

- ▶ Ideal for all liquid, multilayer and pneumatic hoses/ pipes commonly available on the market in the wide application range from Ø 4–20 mm
- ▶ With universal support for right-angled positioning
- ▶ Easy on the hands even in continuous use due to low force required and automatic opening due to the spring mechanism

- > Exchangeable blade
- > With opening spring and locking device
- > Ergonomically shaped handles made of glass fibre reinforced plastic
- > Not suitable for cutting cables
- > Blade made of high-strength special grade steel, oil-hardened and tempered



90 10 185



Article No.	EAN 4003773-	↔ mm		Cutting capacities Ø mm	⚖ g
90 10 185	084846	185		4.0 – 20.0	175
90 29 01	031932	Spare blade for 90 25 20 / 90 10 185 / 90 25 185			

## KNIPEX PlastiCut®

### Cutter for flexible hoses and plastic conduit pipes

- ▶ For cutting thin walled plastic pipes (conduit plastic pipes) and flexible hoses, also with fabric reinforcement, of plastic and rubber up to Ø 25 mm / 1"

- > Exchangeable blade
- > With opening spring and locking device
- > Ergonomically shaped handles made of glass fibre reinforced plastic
- > Not suitable for cutting cables
- > Blades: special tool steel, oil-hardened, interchangeable
- > Tool body: glass fibre reinforced plastic



90 20 185



With replaceable blade



Article No.	EAN 4003773-	↔ mm		Cutting capacities max. Ø mm	⚖ g
90 20 185	067122	185	MM	25.0	172
90 29 185	067139	Spare blade for 90 20 185			



# Pipe Cutter

## for plastic conduit pipes

- For clean cutting of thin-walled plastic pipes (e.g. plastic conduit pipes) with Ø 6.0–35.0 mm
- Low force requirement due to special blade geometry and optimum transmission

- > Blade is replaceable and can be retracted from any position
- > Minimum operator fatigue due to ergonomic handle design and incremental ratchet blade feed
- > Not suitable for cutting cables
- > Blade: special tool steel, oil-hardened
- > Housing: die-cast aluminium, red lacquered



94 10 185



Article No.	EAN	↔ mm		Body	Cutting capacities Ø mm	Blade length mm	△△ g
94 10 185	4003773-047025	185	MM	die-cast aluminium body, red lacquered	6.0 – 35.0	35.0	583
94 19 185	047032	Spare blade for 94 10 185					
94 19 185 02	053804	Torsion spring for 94 10 185					

# KNIPEX TwistCut®

## Corrugated pipe cutters

- ▶ For the reliable and fast cutting of many plastic corrugated pipes with the universal capacity range from Ø 13 to 32 mm
- ▶ For corrugated plastic pipes with ridge widths of up to 2.7 mm
- ▶ No damage to the internal cables or pipes
- ▶ Separate even softer, flexible plastic corrugated pipes: Apply little pressure on the TwistCut® when cutting to avoid the corrugated pipe to be deformed

- > Simple insertion, reliable and easy cutting without waste
- > Precise cut without damage due to unique arrangement of the cutters with side guide
- > Good accessibility due to slim design
- > Made of glass fibre reinforced multi-component plastic with soft gripping zone



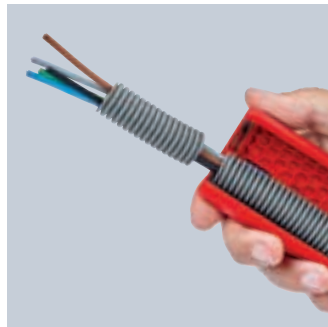
90 22 01 SB



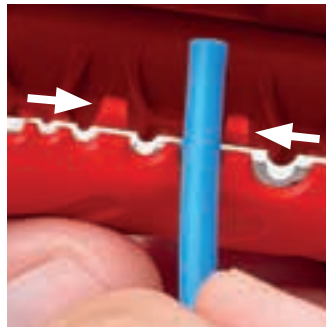
90 22 02 SB



Easy handling: press the KNIPEX TwistCut® together, twist it with a little pressure, and you're done!



Clean cutting edge with no damage to internal cables as the cut is always at the top of the corrugation



90 22 02 SB: Practical locator simplifies the insertion of single conductors for stripping



Convenient handling due to fastener with locking device and opening by means of internal spring



Also for protective pipes on aluminium composite pipes in plumbing, up to Ø 32 mm



90 22 02 SB: Injection moulded length scale for consistent stripping to a uniform length, legible for left and right handed users

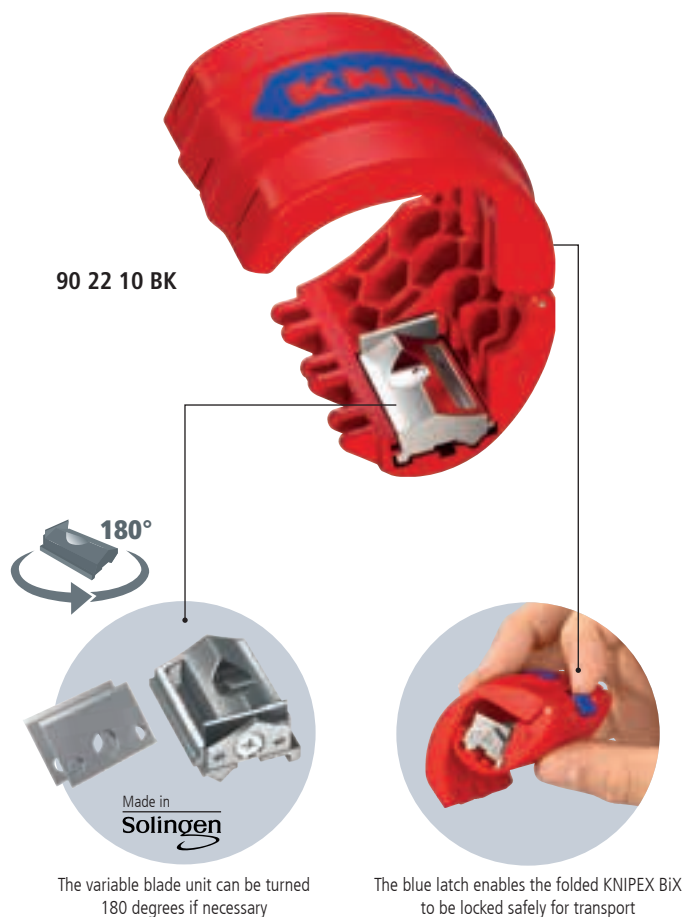
Article No.	EAN 4003773-	↔ mm		Cutting capacities Ø mm	Stripping capacity conductors and strands mm <sup>2</sup>	⚖ g
90 22 01 SB	082286	100	MM (PATENTED)	13.0 – 32.0		47
90 22 02 SB	082293	100	MM (PATENTED)	13.0 – 32.0	0.2 – 4	47



# **KNIPEX BiX**

## **Cutter for plastic pipes and sealing sleeves**

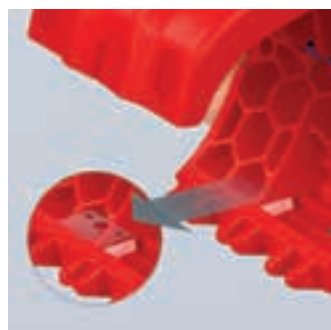
- ▶ Clever pipe cutter: Cuts pipes without shavings and fits comfortably in the hand
  - ▶ Can cut high-temperature plastic drain pipes and electrical conduits in next to no time
  - ▶ Can be used to cut sealing sleeves during final assembly – close to the wall, standard-compliant
- > Cuts unreinforced plastic pipes from Ø 20 to 50 mm with a wall thickness of up to 2.4 mm
  - > Cuts soft plastic pipes and those with foam cores from Ø 20 to 50 mm with a wall thicknesses of up to 3.5 mm
  - > Cuts sealing sleeves approx. 2-3 mm from the wall
  - > Cuts pipes quickly, cleanly and without shavings
  - > Rotatable knife block for cutting plastic pipes (blade in the middle) and sealing sleeves (blade outside)
  - > With locking mechanism for safe transport
  - > Two spare blades integrated in the tool
  - > Tool made of stable, reinforced plastic, die-cast zinc blade unit
  - > Blades made of special surgical stainless steel – Made in Solingen



Practical, quick and clean: Plastic pipes can be cut in no time and sections are held securely in the tool



The unique design of the rotating blade unit means that drip and sealing sleeves can be reliably cut 2 to 3 mm from the wall, so that moisture can be safely drawn away



Article No.	EAN 4003773-	↔ mm	Cutting capacities Ø mm	⚖ g
90 22 10 BK	087311	72	Ø 20 – 50 mm	70
90 22 10 E01	087564	Set with 8 spare blades for 90 22 10 BK		



# **KNIPEX DP50**

## **Pipe Cutter for plastic drain pipes**

- ▶ Cut and chamfer all common domestic plastic drain pipes up to Ø 50 mm in a single operation
- ▶ Reversible high-quality ball-bearing steel blade, can be easily replaced without tools
- ▶ Clean cut: no readjusting or deburring required, reducing potential blockages or damages of the seals

- > Cuts high temperature and other plastic pipes with Ø 32, 40 or 50 mm and wall thicknesses up to 2.4 mm
- > Optimal cutting due to slide-bearing and self-adjusting guide rolls
- > Easy positioning due to clear view of cutting point
- > Spring-loaded blade: no inconvenient readjusting while cutting
- > Exchangeable blade with two cutting edges can be reversed when showing signs of wear
- > Cuts lengths as small as 10 mm
- > Housing made of glass fibre reinforced plastic



90 23 01 BK



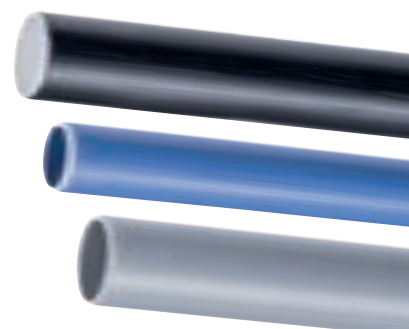
Once in place, the spring-loaded blade exerts enough pressure for the cut – no readjustment necessary!



Three diameters with one tool: the pipe diameter can be preset with the metal adjuster



In a single operation the blade cuts the pipe and forms the chamfer for a proper connection



Segments as short as 10 mm can be cut. The spiral chip comes from chamfering



When worn, the blade can be reversed or replaced without the need for tools

Article No.	EAN 4003773-	↔ mm	Ø mm	⚖ g
90 23 01 BK	087809	165	32 / 30 / 50	295
90 23 01 E01	088103	Spare blade for 90 23 01 can be used from both sides		
90 23 01 E02	088110	Spare locking pin for 90 23 01		

# Pipe Cutter

## for composite and plastic pipes

- ▶ For cutting composite pipes from Ø 12 – 25 mm
- ▶ Clean, smooth and burr-free cut surfaces

- > Exchangeable blade
- > With opening spring and locking device
- > Ergonomically shaped handles made of glass fibre reinforced plastic
- > Not suitable for cutting cables
- > Blade made of high-strength special grade steel, oil-hardened and tempered



90 25 185



The high-strength, sharp blade cuts composite and plastic pipes smoothly and free of burr

Article No.	EAN 4003773-	↔ mm		Cutting capacities max. Ø mm	⚖ g
90 25 185	084839	185	MM	25.0	175
90 29 01	031932	Spare blade for 90 25 20 / 90 10 185 / 90 25 185			

# Pipe Cutters

## for composite pipes and protective tubes

- ▶ For cutting composite pipes up to Ø 26 mm
- ▶ For cutting many corrugated plastic pipes from Ø 18 to 35 mm without damaging internal cables or pipes
- ▶ Clean, smooth and burr-free cut surfaces

- > With opening spring and locking device
- > A calibration arbor can be fitted, for example for Geberit composite pipes with Ø 11.5 and 15.0 mm
- > Not suitable for cutting cables
- > Blades: special tool steel, oil-hardened, interchangeable
- > Tool body: high-grade chrome vanadium electric steel, oil-hardened



90 25 20



Clean cut of corrugated pipes Ø 18 - 35 mm



Composite pipes of up to Ø 26 are cut cleanly and in a 90° angle

Article No.	EAN 4003773-	↔ mm	Tool	Handles	Cutting capacities composite pipes max. Ø mm	Cutting capacities protective tubes Ø mm	Blade length mm	⚖ g
90 25 20	046004	210	chrome-plated	with multi-component grips	26.0	18.0 – 35.0	25.0	318
90 29 01	031932	Spare blade for 90 25 20 / 90 10 185 / 90 25 185						
90 29 02	031949	1 pair of spare blades for 90 25 20 (protective tubes) old model						
90 25 20 E01	089117	1 pair of spare blades for 90 25 20 (protective tubes) new model						
90 29 15	031956	Calibration arbor for 90 25 20 (Geberit pipes)						

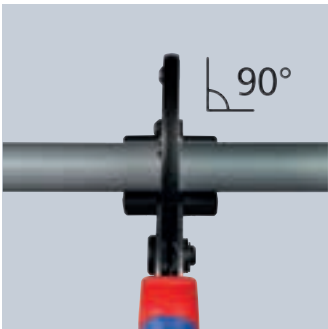
# Pipe Cutter

## for composite and plastic pipes

- ▶ Up to 60 % less effort: the freely rotating cutting wheel allows the pipe to be rotated with minimal friction when cutting
  - ▶ Optimum cutting results: the rotation allows the cutting wheel to penetrate the pipe effortlessly with minimal deformation
  - ▶ Wide plastic supports allow perfect right-angled cuts
- > Cuts aluminium composite and plastic conduit pipes more easily than conventional shears with a fixed blade
- > Also suitable for composite pipes with increased aluminium layer thickness (e.g. Geberit Mepla)
- > For cutting composite and plastic pipes up to Ø 26 mm
- > Allows for very short correction sections
- > With locking mechanism for safe transport
- > With ergonomic multi-component handles
- > Spare cutting wheel available (Art. No. 90 25 25 E01)



Makes cutting particularly easy: the rotating cutting wheel allows the pipe to be rotated in the pipe cutter with little friction, or, vice versa, the pipe cutter can be rotated around the pipe



The wide plastic supports opposite the cutting wheel allow perfect right-angled cuts



The rotary movement means the pipe can also be cut with little pressure, minimising deformation



The pipe cutter cuts all common composite and plastic conduit pipes with diameters of up to 26 millimetres. Its robust construction means it is also suitable for composite conduit pipes with increased aluminium layer thickness.

Article No.	EAN 4003773-	↔ mm		Tool	Handles	Cutting capacities composite pipes max. Ø mm	⚖ g
90 25 25	088714	210	MM	chrome-plated	with multi-component grips	26.0	391
90 25 25 E01	088806	Spare cutting wheel for 90 25 25					



# Pipe Cutter

for composite and plastic pipes

- ▶ For cutting thick walled plastic and composite pipes up to Ø 40 mm
  - ▶ Self-adapting pipe support positions pipes of various diameters correctly for a rectangular cut
  - ▶ No idle strokes due to spring-loaded knife
- > Cuts pipes using the ratchet mechanism in several strokes  
> Blades: special tool steel, oil-hardened, interchangeable  
> Tool body: high-grade chrome vanadium electric steel, oil-hardened



90 25 40



Clean cut of thick walled plastic and composite pipes



Not suitable for thin-walled plastic pipes.  
Please use article number 94 10 185, 90 23 01 or 90 22 10 for these

Article No.	EAN	↔ mm		Tool	Handles	Cutting capacities max. Ø mm	Blade length mm	⚖ g
90 25 40	4003773-045182	210	MM	chrome-plated	with multi-component grips	40.0	40.0	500
90 29 40	045199	Spare blade for 90 25 40						





## QuickLock one-hand locking mechanism:

Precise positioning,  
independent holding and  
clamping on the tube



# KNIPEX TubiX®

## Pipe cutter

- ▶ QuickLock locking mechanism: independent holding and clamping on the tube
- ▶ Precise and quick: easy positioning of the cutting wheel on the pipe
- ▶ Comfortable: easy cutting due to high-quality needle bearings in the spring-loaded cutting wheel and guide rolls

- > Cuts pipes with wall thickness up to 2 mm
- > Cutting wheel made of high-grade ball-bearing steel
- > Quick replacement of the cutting wheel without any tools – spare cutting wheel stored in the handle
- > Removable, precision-ground deburring tool
- > For plumbing, heating and air conditioning: easily cut gas and water pipes made of copper, brass and stainless steel
- > For the electrical trade: cuts rigid steel conduits and strips steel wire armoured cables

### 90 31 02 KNIPEX TubiX®

- > Cuts pipes from Ø 6–35 mm (1/4" – 1 3/8")
- > One-handed positioning and fixing of the cutting wheel on the pipe
- > Lightweight and durable magnesium housing

### 90 31 03 KNIPEX TubiX® XL

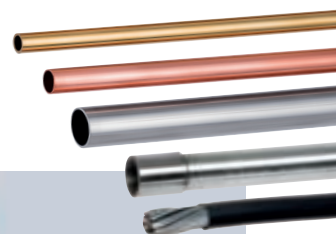
- > Cuts pipes from Ø 6–76 mm (1/4" – 3")
- > Lightweight and durable aluminium housing



90 31 02



90 31 03



Push the cutting wheel against the pipe with the QuickLock one-hand locking mechanism: fastest adjustment to different pipe diameters



For cutting copper, brass and stainless steel pipes and rigid steel conduits with wall thickness up to 2 mm



The needle-bearing and spring-loaded cutting wheel made of high-quality ball bearing steel is easily exchangeable



In one easy step, the KNIPEX TubiX® XL can be positioned quickly and precisely on all pipes with a diameter between 6 and 76 mm



And you're done! If necessary, have the edge smoothed out using the fold-out deburring tool – with surprisingly little effort



A spare cutting wheel is stored in the blue handle for quick replacement

Article No.	EAN	↔ mm	Ø mm (Inch)	Δ g
90 31 02 SB	084686	180	6.0 – 35.0 (1/4 – 1 3/8)	375
90 31 03 BK	088127	260	6.0 – 76.0 (1/4 – 3)	865
90 39 02 V01	085874	Cutting wheel for stainless steel and copper		
90 39 02 V02	085881	Deburring tool for 90 31 02		
90 39 02 V03	086307	5 x Cutting wheel for stainless steel and copper		
90 31 03 E01	088134	Spare deburring tool for 90 31 03		

# SPECIAL PLIERS AND CONTROL CABINET KEYS

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85 51 250

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# Ear Clamp Pliers

- > For the simple and reliable mounting of 1-ear and 2-ear clamps (Oetiker system or similar)
- > Pressing instead of cutting: no damage to press points on the ear clamps
- > The slim head permits good accessibility in confined areas
- > Versatile use for clamps on CV boots, cooler and fuel lines, air pressure systems, compressors
- > Durable and strong
- > Convenient: two crimping profiles - for frontal and lateral crimping
- > High-grade special tool steel, forged, oil-hardened

## 10 98 I220

- > Front crimping

## 10 99 I220

- > Front + lateral crimping
- > Especially suitable for universal use due to the additional side jaw
- > High-grade special tool steel, forged, oil-hardened



10 98 I220



10 99 I220



Sealing the fluid hose on the connecting piece using the side press nib



Sealing the pneumatic hose on the quick action coupling



Using the front press nib



10 98 I220



10 99 I220

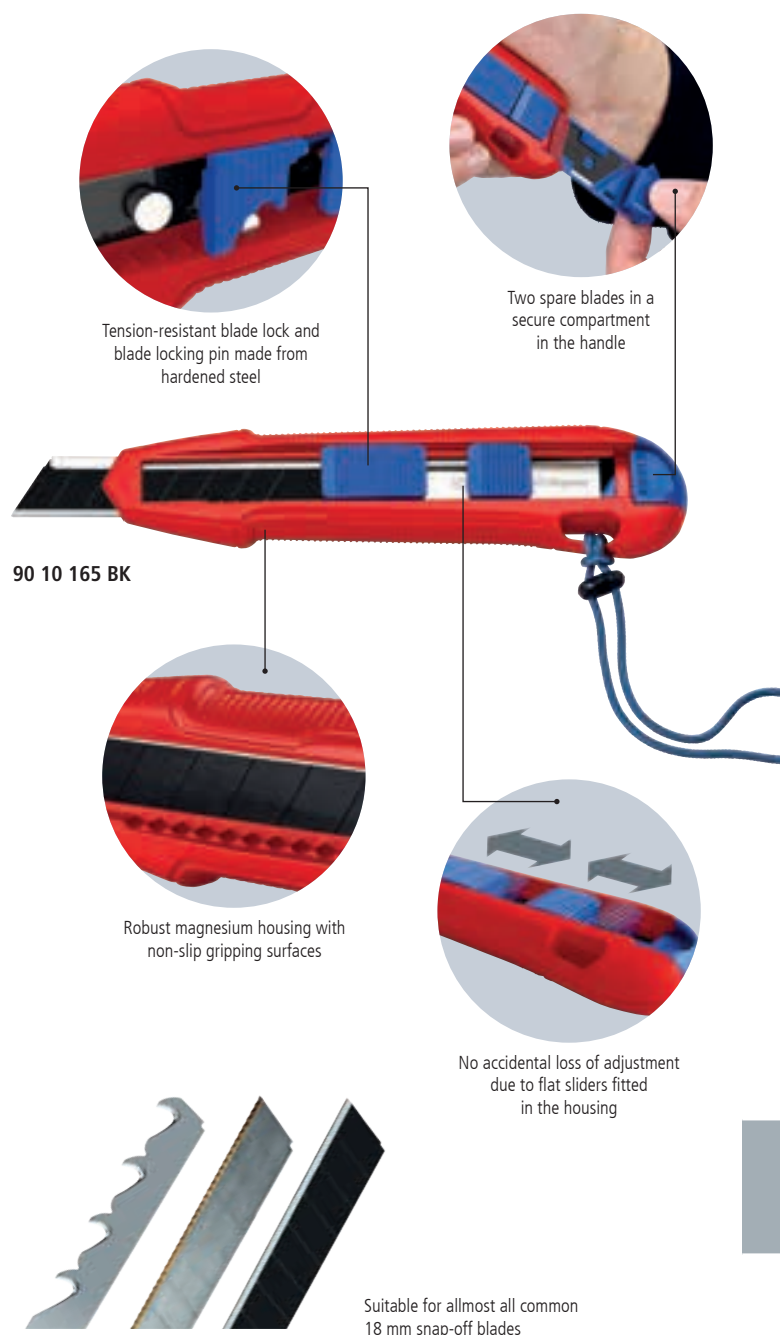
Article No.	EAN 4003773-	↔ mm	Pliers	Head	Handles	⚖ g
10 98 I220	080749	220	black atramentized	polished	plastic coated	350
10 99 I220	080756	220	black atramentized	polished	plastic coated	345

# KNIPEX CutiX

## Universal knife

- ▶ Innovative and variably extendable stabilisation bar: versatile, precise, and faster cutting
- ▶ Exert targeted pressure on the back of the blade without risk of injury, no unintentional bending or breaking of the blade
- ▶ Robust, durable magnesium housing: as light as plastic, strong as die-cast aluminium
- ▶ Fixed blade due to high-quality blade locking: Secure fit when cutting, pushing and scraping

- > Handy: 165 mm long, weight approx. 111 g
- > Original equipment with high quality snap-off blades and two spare blades in the handle, which can be changed without any tools
- > Suitable for standard 18 mm blade types: smooth, curved and with hooks
- > Fits comfortably in the hand due to its slim shape and numerous grip zones: firm and non-slip grip, comfortable hold
- > Flat, ergonomic slides separately for blade and stabilisation bar, no accidental activation of the slides
- > Reliable blade holder: Secure hold of the blade due to hardened steel pin
- > When the rear end of the handle is closed, the blade slider and blade cannot slip out
- > Tether attachment point for tool protection with KNIPEX Tethered Tools System



The innovative blade stabilisation allows you to securely apply more pressure directly on the blade



Ergonomic shape with numerous grip zones ensures safe and precise work



Variable: Depending on your needs, the blade can be used rigidly or flexibly

Article No.	EAN 4003773-	↔ mm	⚖ g
<b>90 10 165 BK</b>	087533	165	111
<b>90 10 165 E01</b>	087557	Spare part set for stabilisation bar for 90 10 165 BK	
<b>90 10 165 E02</b>	088219	Spare blade for 90 10 165 BK (10x)	

# Anvil shears

- > Drawing cut against firm surface for cutting soft materials without damage, e.g. rubber profiles, PVC, leather, wood, hoses etc.
- > Cuts flat material with a max. width of 40 mm and height of 7.5 mm
- > Cutting capacity for round material up to Ø 25 mm
- > Strong, replaceable blade
- > With opening spring and locking device
- > Tool body: tool steel, rolled, oil-hardened



94 55 200



Article No.	EAN 4003773-	↔ mm		Tool	Handles	Blade length mm	⚖ g
94 55 200	080763	200	MM	chrome-plated	with plastic handles	40.0	290
94 59 200 01	080916	Spare blade for 94 55 200					
94 59 200 02	080923	Spare anvil for 94 55 200					

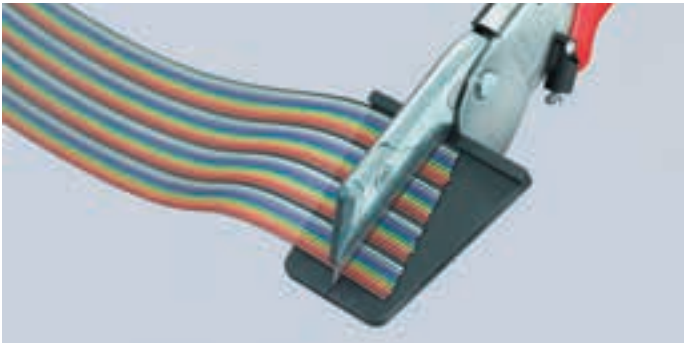
# Cutter

## for ribbon cable

- > For crush-free cutting of ribbon cable up to 56 mm width
- > Exchangeable cutting base with try square for rectangular cuts
- > With opening spring and locking device
- > Blade: standard trapezoidal blade, replaceable
- > Tool body: tool steel, rolled, oil-hardened



94 15 215



Article No.	EAN 4003773-	↔ mm		Tool	Handles	Blade length mm	⚖ g
94 15 215	046011	215	MM	chrome-plated	with plastic handles	56.0	346
94 19 02	052333	Blade support for 94 15 215					
94 19 215	046219	Set with 10 spare blades for 94 15 215 / 94 35 215					

# Mitre Shears

## for plastic and rubber sections

- > For crush-free cutting of plastic, rubber and soft timber sections; also for ribbon cable
- > Exchangeable cutting base with try square for 45°-cuts and markings for 60°-, 75°-, and 90°-cuts
- > With opening spring and locking device
- > Blade: standard trapezoidal blade, replaceable
- > Tool body: special tool steel, rolled, oil-hardened



94 35 215



Article No.	EAN 4003773-	↔ mm		Tool	Handles	Blade length mm	⚖ g
94 35 215	046028	215	MM	chrome-plated	with plastic handles	56.0	397
94 19 215	046219	Set with 10 spare blades for 94 15 215 / 94 35 215					
94 39 215 01	053835	Blade support for 94 35 215					
94 39 215 02	086215	Cutting head for 94 35 215					

# Vinyl Shears

## also for cable ducts

- > For cutting and shortening plastic cable ducts and other plastic materials
- > Special lever transmission
- > Very effective blade geometry
- > Blade: special tool steel, oil-hardened
- > Tool body: high-grade chrome vanadium electric steel, oil-hardened



95 02 21



Blade length 110 mm for cutting wide cable ducts

Article No.	EAN 4003773-	↔ mm		Tool	Handles	Cutting capacities mm	Blade length mm	⚖ g
95 02 21	052128	275	MM	burnished	with multi-component grips	max. 4.0	110.0	665



# Shears

## for KEVLAR® fibres

- > Only for cutting fibres of KEVLAR® in optical fibre cables, not recommended for other materials
- > Precisely ground blades with serration prevent the fibres from slipping and guarantee a clean cut
- > Riveted precision joint, for low-friction movement and smooth and even cutting of the thin KEVLAR® fibres
- > Hard-chrome-plated, ground surface
- > Shears body: chrome vanadium electric steel, oil-hardened
- > User-friendly handles: plastic, impact-proof



95 03 160 SB



KEVLAR® is a registered trademark of E. I. du Pont de Nemours and Company

Article No.	EAN 4003773-	↔ mm	Shears	Handles	⚖ g
95 03 160 SB	043362	160	chrome-plated	plastic coated	85

# Combination Shears

- > For cutting cardboard, plastics, aluminium, brass and copper foils
- > Not suitable for steel wire or iron sheets
- > Precision-ground, hardened blades
- > With opening spring and locking device
- > Pinch guard prevents operators' fingers being pinched
- > Adjustable bolted joint
- > Shears body: surgical steel, stainless, vacuum-hardened
- > Handles: plastic, impact-proof

## 95 05 185

- > Angled shape – for easy execution of long cuttings; ergonomically shaped plastic handles



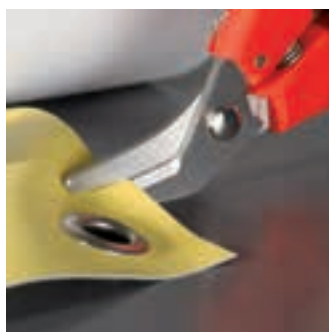
95 05 140



95 05 185



95 05 190



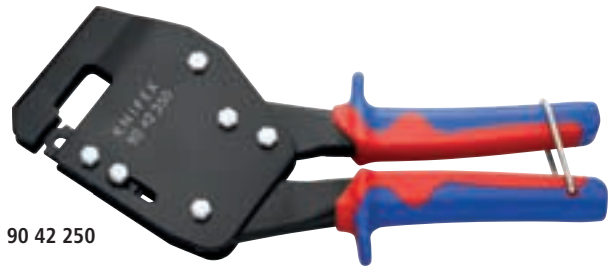
Article No.	EAN 4003773-	↔ mm		Head	Handles	⚖ g
95 05 140	019589	140	W	polished	plastic coated	67
95 05 185	060277	185	W 40°	polished	plastic coated	115
95 05 190	019602	190	W	polished	plastic coated	116

## Punch Lock Riveters

- > To join metal section sheets used in dry walling for dividing walls and drop ceilings, without needing screws or rivets
- > For U- and C-shaped sections with max 1.2 mm metal (2 x 0.6 mm)
- > Minimum handforce required due to optimum lever transmission
- > Pliers body: special tool steel, rolled, oil-hardened

### 90 42 250

- > For one-hand operation



90 42 250

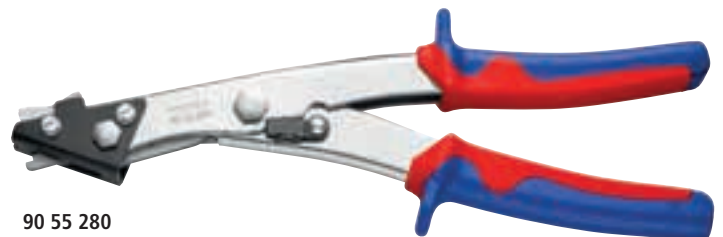


90 42 340

Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Capacity	⚖ g
90 42 250	047865	250	W	burnished	with multi-component grips	max. 1.2 (2 x 0.6)	676
90 42 340	071884	340	W	burnished	with multi-component grips	max. 1.2 (2 x 0.6)	901
90 49 340	028079	Spare punch for 90 42 340					
90 49 340 M	028499	Spare die for 90 42 340					

## Sheet Metal Nibbler

- > For cutting iron, copper or aluminium sheet metal up to max. 1.2 mm thickness, plastic up to max. 2.0 mm thickness
- > Materials are cut without deformation
- > Clean cut edges – no trimming activities needed
- > With chip breaker
- > Easy handling
- > Cutting width: 2.7 mm
- > Blades: special tool steel, oil-hardened, interchangeable
- > Tool body: special tool steel, rolled, oil-hardened



90 55 280



Notching and chip breaking in a single pass



Notching without chip breaking

Article No.	EAN 4003773-	↔ mm		Tool	Handles	⚖ g
90 55 280	026730	280	W	nickel plated	with multi-component grips	461
90 59 280	027355	Spare blade for 90 55 280				

## Notching Pliers

- > Special pliers for notching recesses into plastic ledges and plastic casings for electric and plumbing installation
- > Notches can be enlarged by initial and final cut
- > Clean cut edges – no trimming activities needed
- > Easy handling
- > With opening spring, opening limiter and locking lever
- > Pliers body: special tool steel, rolled, oil-hardened



90 61 16



90 61 20

The KNIPEX Notching Pliers produces the most common notches in plastic ledges and cable ducts in a simple, fast and clean way. No time-consuming sawing out or nibbling and no additional work required.



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Capacity	⚖ g
90 61 16	051947	250		burnished	with plastic grips	16 x 32 mm	403
90 61 20	051954	250				20 x 29 mm	414

## Cycle Pliers

- > For very narrow screw connections
- > Special tool steel, forged, oil-hardened

### 84 11 200

- > Straight head

### 84 21 200

- > 20° angled head



84 11 200



84 21 200

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Head thickness mm	⚖ g
84 11 200	052265	200		black atramentized	polished	plastic coated	3.5	180
84 21 200	051930	200		black atramentized	polished	plastic coated	3.5	182



# Spring Hose Clamp Pliers

- > Rotating, universal grip inserts for reliably gripping the clamps in all positions
- > Jaw inserts can also be rotated under load
- > Extremely good leverage which allows clamps to be opened easily without great effort
- > Slim head design; narrow head width, rotating grip inserts make this an ideal tool, especially in confined areas
- > Additional function: detach hoses gently using the serrated jaw
- > Chrome vanadium electric steel, forged, oil-hardened

## Proven features of the KNIPEX Cobra®

- > Less physical effort due to very high transmission ratio
- > First class guard to prevent fingers being pinched
- > Long-lasting secure grip ensured by high wear resistance
- > Fine adjustment ensures a precise fit to suit the most diverse clamp sizes
- > Open at the touch of a button
- > Box-joint design for high stability due to double guide

### 85 51 250 AF

- > The locking device enables simple and secure work on clamps under tension without effort



85 51 180 A



85 51 250 A



85 51 250 AF



A single pair of pliers for various sizes of clamps and spring band clamps. Rotating jaw inserts enable them to adapt to any position while still guaranteeing that clamps are securely positioned in the pliers.

## APPLICATION AREAS CARS/TRUCKS

Air suction, cooling, charge air, water return, thermostat, fuel, heating



Article No.	EAN 4003773-	↔ mm	Pliers	Handles	Capacity	Adjustment positions	△ g
85 51 180 A	081159	180	grey atramentized	with non-slip plastic coating	max. 50 mm	15	170
85 51 250 A	077329	250	grey atramentized	with non-slip plastic coating	max. 70 mm	25	345
85 51 250 AF	078623	250	grey atramentized	with non-slip plastic coating	max. 70 mm	19	350
85 59 250 A	077336	Spare parts assortment grip inserts, for 85 51 250 A / 85 51 250 AF					
87 09 01	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)					
87 09 180	034360	Assortment of spare parts for adjustment for 87 180					
87 29 01	079002	Assortment of spare parts for 87 2X 250					



# Hose Clamp Pliers

## for Click clamps

► To open and close Click clamps

- > Rotating jaw inserts for the safe actuation of clamps in any position
- > Good leverage which allows clamps to be opened and closed again comfortably and easily without a great deal of effort
- > For easy working on fuel hoses, vacuum pipes and suction nozzles and many other applications
- > Additional function: detach hoses gently using the serrated jaw
- > Slim head design; narrow head width, rotating grip inserts make this an ideal tool, especially in confined areas
- > Chrome vanadium electric steel, forged, oil-hardened

### Proven features of the KNIPEX Cobra®

- > Pinch guard prevents operators' fingers being pinched
- > Long-lasting secure grip ensured by high wear resistance
- > Box-joint design for high stability due to double guide



85 51 180 C





85 51 250 C



Serrated gripping jaws for easy loosening of tight hoses



Article No.	EAN 4003773-	 mm	Pliers	Handles	 g
<b>85 51 180 C</b>	081166	180	grey atramentized	with non-slip plastic coating	170
<b>85 51 250 C</b>	078517	250			345
<b>85 59 250 C</b>	078999	Spare parts assortment grip inserts, for 85 51 180 C / 85 51 250 C			
<b>87 09 01</b>	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)			
<b>87 09 180</b>	034360	Assortment of spare parts for adjustment for 87 180			

# Revolving Punch Pliers

- > To punch holes into leather, textiles and plastic material
- > With six interchangeable punches: Ø 2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 5.0 mm
- > With opening spring and locking device
- > Powder-coated for reliable protection against rust
- > Pliers body and punches: special tool steel, oil-hardened



90 70 220



Interchangeable punches



Article No.	EAN 4003773-	↔ mm		Pliers	⚖ g
90 70 220	019411	220	MM	red powder-coated	251
90 79 220 20	053729	Punch for 90 70 220 2 mm			
90 79 220 25	053736	Punch for 90 70 220 2.5 mm			
90 79 220 30	053743	Punch for 90 70 220 3 mm			
90 79 220 35	053750	Punch for 90 70 220 3.5 mm			
90 79 220 40	053767	Punch for 90 70 220 4 mm			
90 79 220 50	053774	Punch for 90 70 220 5 mm			

# Tile Nibbling Pincer

(Parrot Beak Pincer)

- > Enlarges holes in tiles and forms tile edges
- > Special tool steel, forged, oil-hardened



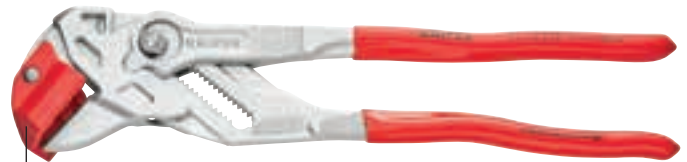
91 00 200



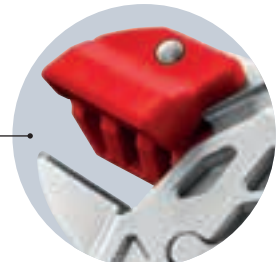
Article No.	EAN 4003773-	↔ mm	Pliers	Head	⚖ g
91 00 200	013754	200	black atramentized	polished	158

## Tile Breaking Pliers

- For the precise cutting (breaking) of tiles and porcelain stoneware after scoring with a tile cutter
- Ideal for long and thick tiles
- > Ideal protection of tiles against damage: replaceable positioning jaw made from soft, stable plastic
- > Great crushing force due to 10-fold increase of manual force
- > Easily adjusted to the required tile thickness at the press of a button
- > Chrome vanadium electric steel, forged, oil-hardened



91 13 250



Plastic positioning jaw: tilting for a clean break line and optimum protection of the tiles against damage



Article No.	EAN 4003773-	↔ mm	Pliers	Handles	⚖ g
91 13 250	079538	250	chrome-plated	plastic coated	510
87 09 01	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)			
91 19 250 01	079545	Spare jaw for 91 13 250			

## Upholstery Pliers

- > For the professional fixing of seat covers on profiled seats to the seat frame with all popular upholstery clips
- > Securely insert upholstery clips, guide and hold: the special groove fixes the upholstery clips in the correct position
- > Easy positioning of the upholstery clips: a closing spring holds the pliers closed, the clip can be securely positioned and pressed
- > User-friendly operation due to multi-component grips
- > Upholstery clips can be easily pressed together due to a good transmission ratio of the pliers
- > Durable and strong
- > Special tool steel, forged, oil-hardened



91 92 180



Article No.	EAN 4003773-	↔ mm	Pliers	Handles	⚖ g
91 92 180	080725	185	mirror polished	with multi-component grips	195

# **KNIPEX TwinKey®**

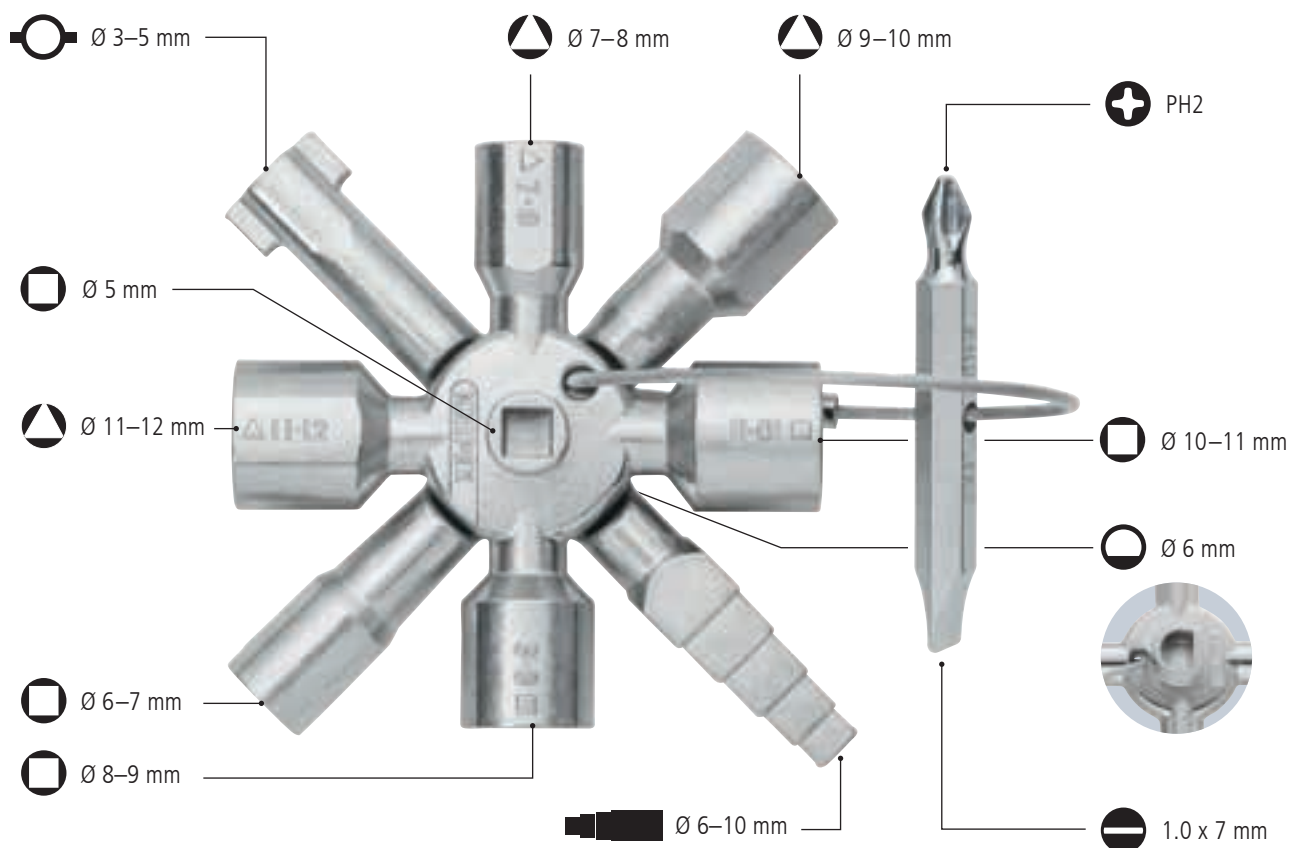
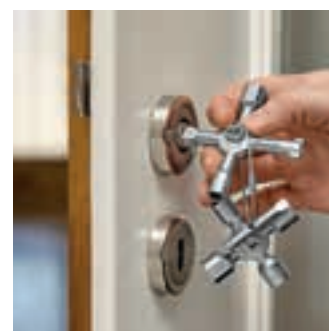
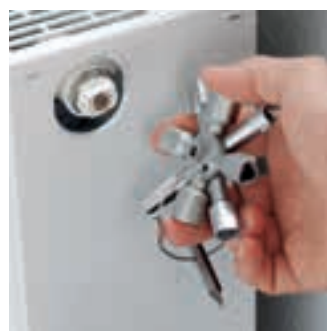
## **The most universal control cabinet key**

- ▶ 10 profiles. 2 crosses. 1 key.
- ▶ For all common locking systems

- > Multifunctional key for the actuation of locking systems from the areas of facilities engineering (heating and plumbing, air conditioning, electrical 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
- > For 6 different locking systems
- > With reversible bit: 1.0 x 7 mm slot and PH2 cross slot
- > With bit adapter for 1/4" bits with magnet
- > Key and reversible bit joined by stable stainless steel wire
- > Total length: 92 mm
- > Zinc die-casted



00 11 01



Article No.	EAN	↔ mm		Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	g
00 11 01	074670	92	(PATENTED)	3 - 5	5 / 6 - 7 / 8 - 9 / 10 - 11	7 - 8 / 9 - 10 / 11 - 12	6 - 10	6	135



# Control Cabinet Keys

## for all standard cabinets and shut-off systems

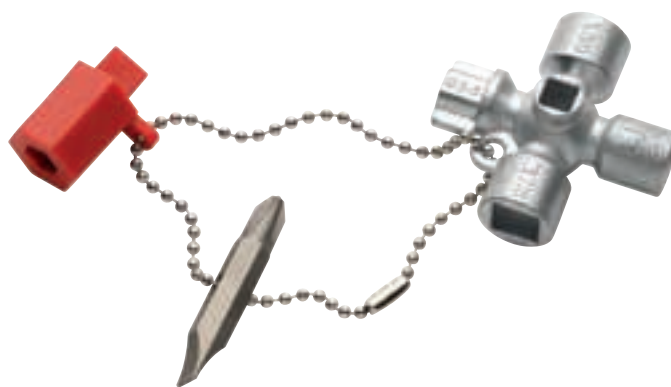
- > Standard key for technical installations in buildings, e.g. air conditioning and ventilation systems, shut-off valves, main switchboards, etc.
- > For 4 different locking systems
- > With reversible bit: 1.0 x 7 mm slot and PH2 cross slot
- > With adapter for 1/4" bits chained to key
- > Zinc die-casted

### 00 11 02

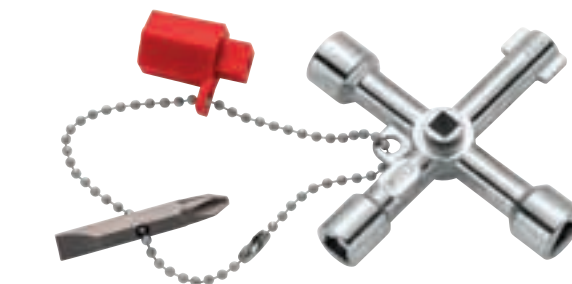
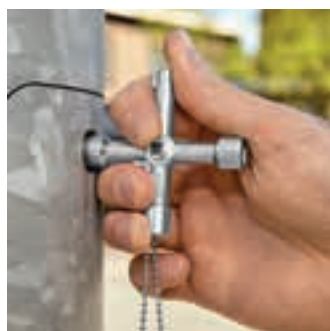
- > Short version, total length 44 mm

### 00 11 03

- > Long execution, total length 72 mm



00 11 02



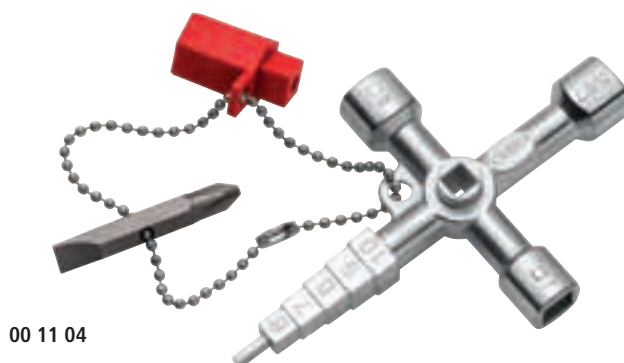
00 11 03

Article No.	EAN 4003773-	↔ mm	Ø mm	Ø mm	Ø mm	Inch	Bit	g
00 11 02	048947	44	3 – 5	5 / 6 / 7 – 8	7 / 8 – 9	1/4	PH2 / slotted 1x7	65
00 11 03	041658	76	3 – 5	5 / 6 / 7 – 8	7 / 8 – 9	1/4		88

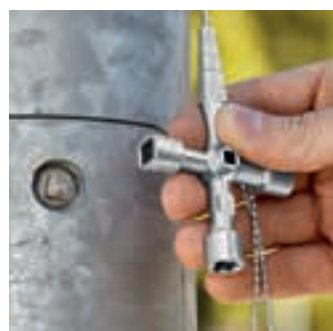
# Profi-Key

## The key for applications in building technology

- > Key for heating, air conditioning, plumbing and building technology, e.g. for door and window handles or for radiator-bleeding
- > With grub screw (3 mm) for mounting and removing door and window handles
- > For 5 different locking systems
- > With reversible bit: 1.0 x 7 mm slot and PH2 cross slot
- > With adapter for 1/4" bits chained to key
- > Total length: 89 mm
- > Zinc die-casted



00 11 04



Article No.	EAN 4003773-	↔ mm	Ø mm	Ø mm	Ø mm	Ø mm	inch	Bit	g
00 11 04	048954	89	5 / 7 / 8	9 – 10	6 / 7 / 8 / 9 / 10	3	1/4	PH2 / slotted 1x7	86







## Universal Key

- > Compact key for locking systems in electrical engineering, the supply of gas and water, air conditioning and ventilation systems, industry, technical installations in buildings, etc.
- > For 5 different locking systems
- > With detachable chain and snap hook
- > Total length: 95 mm
- > Zinc die-casted



00 11 06

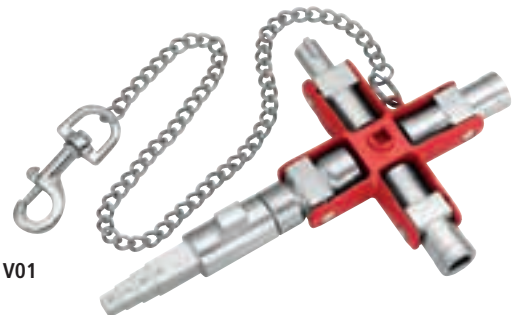


Article No.	EAN 4003773-	↔ mm	 Ø mm	 Ø mm	 Ø mm	 Ø mm	 inch	 g
00 11 06	071334	96	3 – 5	5 / 6 / 7 – 8 / 9 – 10	7 – 8 / 9 – 10 / 11 – 0	6	1/4	220

## Universal Key “Construction”







- ▶ Same model as Universal Key (00 11 06) with additional insertable, magnetically held attachment: for locks with PZ perforation and step square

- > Compact key for locking systems in electrical engineering, the supply of gas and water, air conditioning and ventilation systems, industry, technical installations in buildings, etc.
- > Support with cylinder perforation suitable for profile cylinders in doors
- > For 7 different locking systems
- > With detachable chain and snap hook
- > Total length: 95 mm
- > Total length: 157 mm
- > Zinc die-casted



00 11 06 V01



Article No.	EAN 4003773-	↔ mm	 Ø mm	 Ø mm	 Ø mm	 Ø mm	 Ø mm	g	 g
00 11 06 V01	075394	96	3.0 – 5.0	5 / 6 / 7 – 8 / 9 – 10	7 – 8 / 9 – 10 / 11	6 / 7 / 8 / 9	6	1/4	255

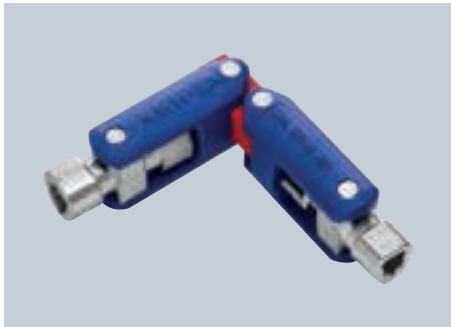
# Control Cabinet Key "Double-Joint"





the foldable control cabinet key

- ▶ Very compact design
  - ▶ Can be used as T-handle for higher torques
- > Compact key for locking systems in electrical engineering, the supply of gas and water, air conditioning and ventilation systems, industry, technical installations in buildings, etc.
  - > For 3 different locking systems
  - > Total length: 62 mm
  - > Total length: 124 mm
  - > Key profiles made of die-cast zinc
  - > Housing made of glass fibre reinforced plastic



00 11 06 V03



Article No.	EAN	↔ mm	 Ø mm	 Ø mm	 Ø mm	 g
00 11 06 V03	4003773-083085	62	3 – 5	5 / 6 / 7 – 8	7 / 8 – 9	91

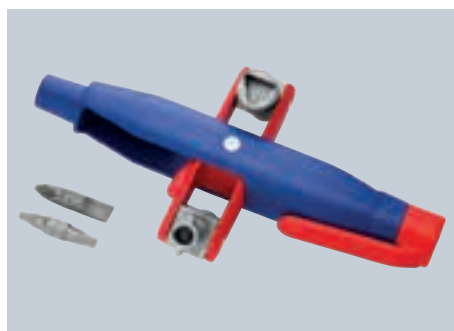
# Pen-Style Control Cabinet Key

## ► Easy to carry pen-style control cabinet key with fastening clip

- > For control cabinets and shut-off systems in the supply of gas, water and electricity
- > For 4 different locking systems
- > With 2 reversible bits: cross recess PH / slot 7.0 x 1.2 mm and TX20 / TX25
- > With bit adapter for 1/4" bits with magnet
- > Total length: 145 mm
- > Key profiles made of die-cast zinc
- > Housing made of glass fibre reinforced plastic



00 11 07



Article No.	EAN	↔ mm	⌀ mm	⌀ mm	⌀ mm	⌀ Inch	Bit	⚖ g
00 11 07	4003773-063018	145	3 – 5	5 / 6 / 8	9	1/4	PH2 / slotted 1.2 x 7 TX20 / TC25	95



# CABLE AND WIRE ROPE SHEARS

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Bowden Cable Cutter	179

01

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95 16 160

# **KNIPEX StepCut®**

## **Cable shears with step cut**

- ▶ Small, light, strong: comfortable cutting without crushing and just 160 mm in size
- ▶ Noticeably less effort: the gradations cut wires one after the other; cutting is up to 40 % easier than with standard cable shears of the same length!
- ▶ Ergonomic handle design: optimal cutting feel even for larger cable diameters

- > Cuts multi-core stranded copper and aluminium cables up to Ø 15 mm (50 mm²)
- > Cuts solid copper and aluminium cables up to 5 x 4 mm²
- > Cuts without crushing
- > Bolted joint: precise, effortless, durable
- > Pinch guard fitted for safe work
- > Not suitable for steel wire and hard drawn copper conductors
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 56 HRC
- > High-grade special tool steel, forged, oil-hardened



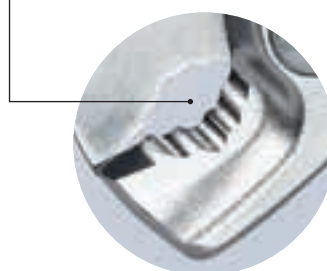
95 11 160



95 12 160



95 16 160



The gradations cut wires one after the other without crushing



Article No.	EAN	↔ mm	Tool	Handles	Cutting capacities		AWG	⚖ g
					Ø mm	mm²		
95 11 160	085904	160	burnished	plastic coated	15.0	50	1 / 0	180
95 12 160	085928	160	burnished	with multi-component grips	15.0	50	1 / 0	225
95 16 160	085966	160	⚡ 1000 V ⚡	insulated with multi-component grips, VDE-tested	15.0	50	1 / 0	225

# Cable Shears

- ▶ Clean and smooth cut without crushing and deformation
- ▶ Easy cutting with one-hand operation
- ▶ Adjustable bolted joint, self-retaining screw

- > Cuts multi-core stranded copper and aluminium cables up to Ø 15 mm (50 mm²)
- > Not suitable for steel wire and hard drawn copper conductors
- > Precision-ground, hardened blades
- > With guard
- > For cutting copper and aluminium single conductors as well as multiple stranded cables
- > High-grade special tool steel, forged, oil-hardened

## Style 1

- > Base

## Style 2

- > Internal opening spring, protected and captive, retainer

## Style 4

- > Multifunctional tool for working on NYM cable from 3 x 1.5 mm² to 5 x 2.5 mm² (cutting and stripping); universal stripping area for both solid conductor cross-sections; reliable alignment of the cable in the stripping area due to V-shaped blade geometry

## 95 12 165 T\*

- > Pliers with tether attachment point for mounting a fall protection system

## 95 16 165 T\*

- > Pliers with integrated, insulated tether attachment point for a tool tether



95 11 165



95 12 165 T



95 16 165



95 41 165



Cut performed with a Cable Shear: easy, clean cut without any deformation of the cable



95 26 165: Catch locks shears with internal opening spring



95 41 165: with stripping function

Article No.	EAN 4003773-	↔ mm		Style	Tool	Handles	Cutting capacities		AWG	⚖ g
							Ø mm	mm²		
95 11 165	040323	165		1	burnished	plastic coated	15.0	50	1 / 0	215
95 12 165	029182	180		1	burnished	with multi-component grips	15.0	50	1 / 0	250
95 12 165 T	080190	180		1	burnished	with multi-component grips and integrated tether attachment point	15.0	50	1 / 0	255
95 16 165	039648	165	⚡ 1000 V	1	chrome-plated	insulated with multi-component grips, VDE-tested	15.0	50	1 / 0	262
95 16 165 T	081524	165	⚡ 1000 V	1	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	15.0	50	1 / 0	260
95 21 165	069805	165	⚡	2	burnished	plastic coated	15.0	50	1 / 0	215
95 22 165	069812	180	⚡	2	burnished	with multi-component grips	15.0	50	1 / 0	254
95 26 165	069980	165	⚡ ⚡ 1000 V	2	chrome-plated	insulated with multi-component grips, VDE-tested	15.0	50	1 / 0	275
95 41 165	078609	165	⚡	4	burnished	plastic coated	12.0	35	2	220

\* Other tools with tethering can be found from page 294



# Cable Shears

## with twin cutting edge

- ▶ Clean and smooth cut without crushing and deformation
- ▶ By dividing the cutting actions into initial cut (insulating sheath in the front cutting area) and final cut (conductor in the back cutting area), cables up to Ø 20 mm can be cut in one-hand operation
- ▶ Pinch guard prevents operators' fingers being pinched

- > For cutting copper and aluminium cables up to Ø 20 mm (70 mm<sup>2</sup>)
- > Not suitable for steel wire and hard drawn copper conductors
- > Precision-ground, hardened blades
- > Low handforce required due to favourable lever ratio and special blade geometry
- > Adjustable bolted joint, self-retaining screw
- > High-grade special tool steel, forged, oil-hardened



95 11 200



95 12 200



95 16 200



95 17 200

The twin cutting edge allows a comfortable handle position in all cutting situations within the specified cutting capacity.



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		Tool	Handles	Cutting capacities			
						Ø mm	mm <sup>2</sup>	AWG	g
95 11 200	043928	200		burnished	plastic coated	20.0	70	2 / 0	283
95 12 200	047834	200		burnished	with multi-component grips	20.0	70	2 / 0	324
95 16 200	026761	200	⚡ 1000 V	chrome-plated	insulated with multi-component grips, VDE-tested	20.0	70	2 / 0	340
95 17 200	026952	200	⚡ 1000 V	chrome-plated	with dipped insulation, VDE-tested	20.0	70	2 / 0	360

# Cable Shears

## handles extrusion plastic-coated

- > Not suitable for steel wire and hard drawn copper conductors
- > Precision-ground, hardened blades
- > No crushing, slight deformation of the cable only
- > Pinch guard prevents operators' fingers being pinched
- > Adjustable bolted joint
- > Shears body: surgical steel, stainless, vacuum-hardened
- > Handles: plastic, impact-proof

### 95 05 165

- > Cuts cables up to Ø 10 mm / 24 mm<sup>2</sup>; with opening spring and lock; blades made of stainless steel; oil-hardened and tempered

### 95 06 230

- > For copper single conductors up to 16 mm<sup>2</sup>, multiple stranded wires up to 50 mm<sup>2</sup>, fine stranded up to 70 mm<sup>2</sup> and aluminium conductors multiple stranded wires up to 70 mm<sup>2</sup>; easy cutting with one-hand operation due to high transmission ratio; stainless-special grade-steel, oil-hardened and tempered



95 05 165



95 06 230

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities			
						Ø mm	mm <sup>2</sup>	AWG	g
95 05 165	019596	165	W	polished	plastic coated	10.0	24	4	111
95 06 230	006305	230	1000V	polished	plastic insulated, VDE-tested	16.0	50	1 / 0	274

# Electricians' Shears

- ▶ Precision finish with micro-toothing for a clean, non-slip cut
- ▶ Cutting edge with integrated cable cutter
- ▶ With plastic belt pouch

- > Handles with multi-component grips, glass fibre reinforced
- > Universal shears for electricians
- > Cutting edges made from stainless steel, hardness of cutting edges 56 HRC
- > Not suitable for cutting solid conductors
- > With plastic belt pouch



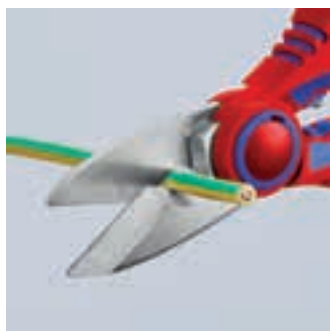
95 05 10 SB



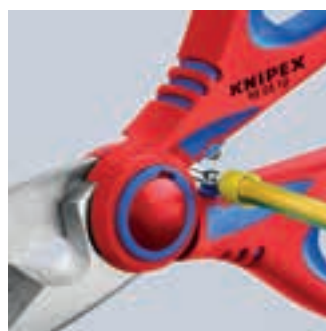
95 05 155 SB



No slipping due to micro-serration



Integrated cable cutter



95 05 10 SB: Fast, easy crimping



Securely stowed and always at hand

Article No.	EAN 4003773-	↔ mm	Head	Handles		g
95 05 10 SB	082125	190	polished	with multi-component grips, glass fibre reinforced plastic		135
95 05 155 SB	077725	155	polished	with multi-component grips, glass fibre reinforced plastic		170

# Angled Electricians' Shears

- ▶ Precision-ground blades with fine serrations for a clean, non-slip cut
- ▶ Adapted to the hand: angled blades and optimised handle design for improved ergonomics

- > Two crimping areas for wire ferrules of 0.5–6 mm² and 10–25 mm²
- > Suitable for cutting of the following cables: 1 x 25 mm² such as H01 N2-D flexible / stranded rubber connecting and control cables for arc welding, 5 x 2.5 mm² such as H07 RN-F flexible and stranded heavy rubber hose line cable, flexible and stranded cables up to Ø 15 mm, 5 x 1.5 mm² such as damp-proof installation cables
- > Includes opening spring and lock for easy storage
- > Tether attachment point can be used with KNIPEX Tethered Tools System
- > Cutting edges made from stainless steel, hardness of cutting edges 56 HRC
- > Not suitable for cutting solid conductors
- > Practical belt pouch (00 19 75 LE) available separately



With fine serration for precise cutting ...



... and two crimping areas for standard wire ferrules sizes



Practical belt pouch (00 19 75 LE) available separately



Article No.	EAN	↔ mm	Head	Handles	⚖ g
<b>95 05 20 SB</b>	082699	160	polished	with multi-component grips, glass fibre reinforced plastic	190
<b>00 19 75 LE</b>	088158	Multi-purpose belt pouch			70



# Cable Shears

## for two-hand operation

### ► Low weight, high leverage

- > Low handforce required due to favourable lever ratio and special blade geometry
- > For cutting copper and aluminium single conductors as well as multiple stranded cables
- > Precision-ground, hardened blades
- > Clean and smooth cut without crushing and deformation
- > Not suitable for steel wire and wire ropes
- > Pinch guard prevents operators' fingers being pinched
- > Adjustable bolted joint
- > Cutter head: vanadium electric steel, forged, oil-hardened
- > Handles: aluminium tube, high-strength



Large cutting capacity: max. Ø 27 mm / 150 mm²



95 12 500



95 17 500

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities			
						Ø mm	mm²	AWG	g
95 12 500	069966	500		burnished	with multi-component grips	27.0	150	6 / 0	1090
95 17 500	026785	500	⚡ 1000 V	polished	with dipped insulation, VDE-tested	27.0	150	6 / 0	1477

# Cable Shears

## for two-hand operation

### ► Favourable lever ratio due to toggle lever

- > 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
- > Pinch guard prevents operators' fingers being pinched
- > Adjustable bolted joint
- > Bolted cutter head, replaceable
- > Handles: steel tube
- > Cutter head: high-grade chrome vanadium electric steel, forged, oil-hardened



95 21 600



95 27 600

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities			
						Ø mm	mm²	AWG	g
95 21 600	025252	600		polished	with plastic handles	27.0	150	6 / 0	1862
95 27 600	021797	600	⚡ 1000 V	polished	with dipped insulation, VDE-tested	27.0	150	6 / 0	2262
95 29 600	021803	Spare cutter head for 95 21 600 / 95 27 600							



# Cable Cutters

## (ratchet mechanism)

- ▶ Little handforce required due to very high transmission ratio
- ▶ Simple handling as a result of low weight and compact design – can be used even in confined areas

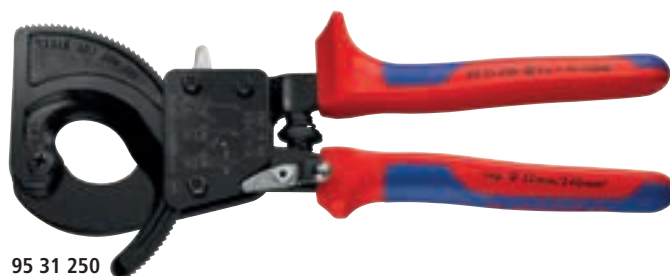
- > Not suitable for steel wire, wire ropes and fine-stranded (highly flexible) conductors
- > Precision-ground, hardened blades
- > Clean and smooth cut without crushing and deformation
- > One-hand operation using ratchet mechanism
- > Two-stage ratchet drive for easy cutting
- > Pinch guard prevents operators' fingers being pinched
- > High-grade special tool steel, forged, oil-hardened

### 95 31 250 / 95 36 250

- > For cutting copper and aluminium single conductors as well as multiple stranded cables, up to Ø 32 mm (240 mm²)

### 95 31 280 / 95 36 280

- > Suitable for aluminium sector cable up to 4 x 150 mm²
- > For cutting copper and aluminium single conductors as well as multiple stranded cables, up to Ø 52 mm (380 mm²)



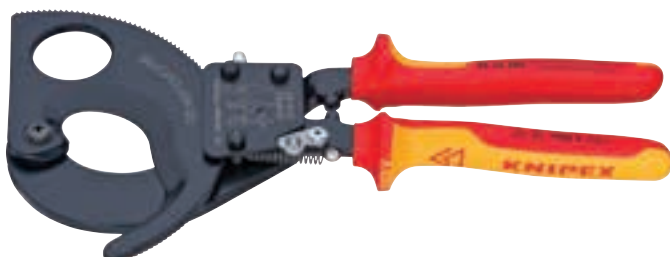
95 31 250



95 31 280



95 36 250



95 36 280



Ratchet mechanism and two-stage ratchet drive for easier cutting



95 31 280: Large cutting capacity: maximum Ø 52 mm / 380 mm²



95 31 250/280: fixed handle with support area as an aid to position the cutters on a flat surface

Article No.	EAN 4003773-	↔ mm		Tool	Handles	Cutting capacities		MCM	△ g
						Ø mm	mm²		
95 31 250	043935	250	⚡	black lacquered	with multi-component grips	32.0	240	500	676
95 31 280	043942	280	⚡	black lacquered	with multi-component grips	52.0	380	750	860
95 36 250	026884	250	⚡ ⚡ 1000 V	black lacquered	insulated with multi-component grips, VDE-tested	32.0	240	500	652
95 36 280	026891	280	⚡ ⚡ 1000 V	black lacquered	insulated with multi-component grips, VDE-tested	52.0	380	750	835
95 39 08	039204	Barrel spring for 95 31 250/280							
95 39 250	022244	Movable spare blade for 95 31 250 / 95 36 250 (year of manufacture 2025 and later)							
95 39 04	039167	Feed pawl for 95 31 250/280							
95 39 280	025283	Movable spare blade for 95 31 280 / 95 36 280							
95 39 08 S	039211	Tension spring set for lateral mounting 95 36 25/28							

# Cable Cutters

(ratchet mechanism, 3-stage)

- ▶ Sturdy. Easy to use. Stable.
  - ▶ Innovative ratchet-drive
  - ▶ For cable up to Ø 60 mm
- > Fixed handle with support area for putting down the pliers when cutting
  - > Easy handling due to low weight (825 g) and compact construction (320 mm length) – also usable in confined areas
  - > Cuts through copper and aluminium cables up to Ø 60 mm in one-hand and two-hand operation
  - > Hardened, precision-ground cutting edges cut smoothly and neatly without crushing
  - > For cutting copper and aluminium single conductors as well as multiple stranded cables
  - > Innovative three-stage ratchet-drive with high leverage for easy cutting in one-hand and two-hand operation
  - > Not suitable for steel wire, wire ropes and fine-stranded (highly flexible) conductors
  - > High-grade special tool steel, forged, oil-hardened



95 32 320



95 36 320

## The innovative three gear drive permits three operating modes

- > Fast working with full lift of handles and one-handed operation when cutting through insulation material
- > Powerfully sliding the sickle knife forward when cutting through the stranded conductor with two hand through use of the central lifting area (handling opening of between 1/3 and 2/3)
- > Powerfully pushing the sickle knife forward with one hand to cut through the stranded conductor through use of the first third of the handle lift with one or two hands
- > First manual ratchet mechanism cable cutter for one-hand and two-hand operation for cutting copper and aluminium cables with diameters of up to 60 mm!



Article No.	EAN 4003773-	↔ mm		Tool	Head	Handles	Cutting capacities		MCM	⚖ g
							⊗ Ø mm	⊗ mm <sup>2</sup>		
95 32 320	075172	320	MM	black atramentized	polished	with multi-component grips	60.0	600	1200	825
95 36 320	075189	320	MM ⚡ 1000 V	black atramentized	polished	insulated with multi-component grips, VDE-tested	60.0	600	1200	830
95 39 320 01	075714	Pivot cutter repair kit for 95 32 320 and 95 36 320								
95 39 320 02	075721	Fixed cutter repair kit for 95 32 320 and 95 36 320								

# Cable Cutters

(ratchet mechanism)

for steel wire armoured cables (SWA cable)

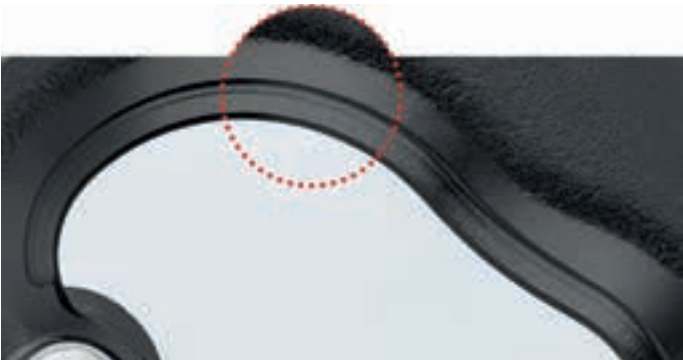
- ▶ Cuts through steel wire armoured cables up to Ø 45 mm / 380 mm² (e.g. 4 x 95 mm²) using one or two-handed operation
- ▶ Sturdy. Easy to use. Stable.
- > Simple handling due to low weight (800 g) and compact design (315 mm length) – can also be used in confined areas
- > Precision-ground blades and induction-hardened cutting edges cut smoothly and neatly without crushing
- > Innovative high leverage three-stage ratchet-drive
- > Support area for putting down the pliers when cutting
- > Not suitable for cutting ACSR cable and wire rope!
- > High-grade special tool steel, forged, multi stage oil-hardened
- > Cutter head: special high-grade tool steel, forged, oil-hardened



95 32 315 A



95 36 315 A



Precision-milled and induction-hardened cutting edge



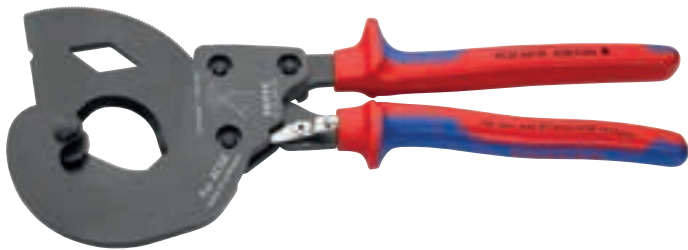
Article No.	EAN	↔ mm		Tool	Handles	Cutting capacities		MCM	⚖ g
						Ø mm	mm²		
95 32 315 A	078562	315	⚡	black lacquered	with multi-component grips	45.0	380	750	800
95 36 315 A	078579	315	⚡ ⚡ 1000 V	black lacquered	insulated with multi-component grips, VDE-tested	45.0	380	750	800
95 39 315 A01	078586	Pivot cutter repair kit for 95 32 315 A and 95 36 315 A							
95 39 315 A02	078593	Fixed cutter repair kit for 95 32 315 A and 95 36 315 A							

# ACSR Cable Cutter

(ratchet mechanism)

for cables with a steel core

- ▶ The cable cutter cuts through ACSR cable with a steel core (= Aluminium Conductor Steel Reinforced) up to Ø 32 mm
- ▶ With one- or two-handed operation, the high leverage guarantees a simple, accurate cut
- > Handy and compact with highest performance
- > Extremely stable, dual guided of the revolving blade
- > No fanning out of the cable: precision-ground and induction-hardened cutting edge for a clean cut and long service life
- > Low handforce required due to two-stage gear drive with ratchet mechanism
- > Fixed handle with support area for putting down the pliers when cutting
- > Locking mechanism for transporting with safely closed handles
- > All wearing parts are available as spare parts and exchangeable
- > High-grade special tool steel, multi stage oil-hardened



95 32 340 SR



Enormous power with a weight of just 1300 g



The strong "flange" on the handle can be used as a practical support surface when cutting larger diameters



Article No.	EAN 4003773-	↔ mm		Handles	Ø mm	Ø Inch	MCM	⚖ g
95 32 340 SR	081241	340	MM	with multi-component grips	32.0	1	477	1310
95 39 340 01	081340	Pivot cutter repair kit for 95 32 340 SR						



# Cable Shears

(ratchet mechanism)

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 due 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> NYY) in copper and aluminium cables
- > Easier, neater cut due to optimised cutting edge geometry
- > Adjustable bolted joint
- > Handles: high-strength oval aluminium tubing
- > Cutting head: special quality high-grade tool steel, oil-hardened



95 32 038

Handles adjustable in length and angular position for easier work: set the handle length to the optimum lever for powerful cutting; put the handles at an angle for a comfortable gripping position



Article No.	EAN 4003773-	↔ mm	Head	Handles	Cutting capacities			⚖ g
					Ø mm	mm <sup>2</sup>	MCM	
95 32 038	071556	570	burnished	with multi-component grips	38.0	280	550	1980
95 39 038	073260	Spare cutter head for 95 32 038						

# Cable Cutters

(ratchet mechanism)

with telescopic handles

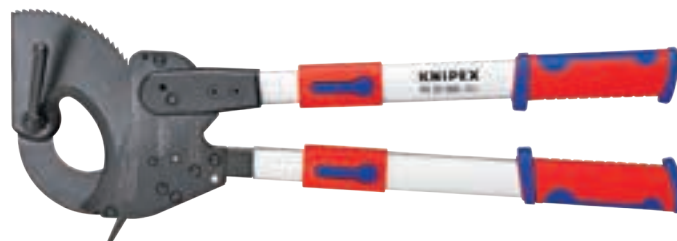
- > For copper and aluminium single conductors as well as multiple stranded cables – also with hard rubber or plastic sheath
- > Not suitable for steel wire, wire ropes and fine-stranded (highly flexible) conductors
- > Also suitable for cables with iron sheath reinforcement
- > Little hand force required for cutting due to optimum transmission ratio
- > High cutting capacity due to two-hand operation and ratchet mechanism
- > The blade can be opened in any cutting position
- > Handle length with multiple position adjustment from 400–610 mm (short transport length, individual adaptation to working conditions)
- > Blade: special-quality high-grade tool steel, oil-hardened
- > Handles: high-strength oval aluminium tubing

## 95 32 060

- > Tool in length: 600 to 810 mm; weight only approx. 3820 g




## 95 32 100

- > Tool in length: 650 to 860 mm; weight only approx. 4980 g



95 32 060



	EAN				Cutting capacities			
Article No.	4003773-	↔ mm	Head	Handles	 Ø mm	 mm²	MCM	 g
95 32 060	071563	630	burnished	with multi-component grips	60.0	740	1400	3820
95 32 100	071570	680			100.0	960	1900	4980
95 39 720	025290	Movable spare blade for 95 31 720 / 95 32 060						
95 39 870	025306	Movable spare blade for 95 31 870 / 95 32 100						

# Wire Rope Cutters

also for high-strength wire rope

- ▶ Ergonomic due to lightweight design and practical opening restriction
- ▶ Compact size, low weight, high performance level
- ▶ Made for intensive use: particularly durable and light at only 175 g

- > Up to 30 % less physical effort compared to wire rope cutters of the same length
- > Double-mounted box joint design for high level of stability
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 62 HRC
- > Convenient work due to opening spring
- > Secured by locking device during transport
- > Ball bearing steel

## 95 62 160

- > For high-strength wire ropes up to Ø 4 mm and cables up to Ø 6 mm: noticeably light, high-precision cutting due to unique, patent-pending joint design

## 95 62 160 TC

- > Specially optimised for precise cutting of tyre cord, wire ropes up to Ø 2 mm and cables up to Ø 2 mm; ergonomic due to lightweight design and practical opening restriction



95 62 160



95 62 160 TC



Double-bearing joint



Cutting of high-strength wire ropes (1960 N/mm<sup>2</sup>) of up to Ø 4 mm









Compact at 160 mm but nevertheless more powerful than many larger wire rope cutters



95 62 160



95 62 160 TC

Article No.	EAN 4003773-	↔ mm	 <small>PATENTED</small>	Head	Handles	Cutting capacities		 g
						 Ø mm	 Ø mm	
95 62 160	082354	160	 <small>PATENTED</small>	burnished	with multi-component grips	6.0	4.0	175
95 62 160 TC	082422	160	 <small>PATENTED</small>	burnished	with multi-component grips	2.0	2.0	175

# Wire Rope Cutters

## forged

- > With two crimping dies for end caps on Bowden cable sheaths and end ferrules for traction cables
- > Comfortable work due to handy, slim design and internal opening spring
- > 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, multi stage oil-hardened

### 95 62 190 T\*

- > With integrated tether attachment point for a tool tether



95 61 190

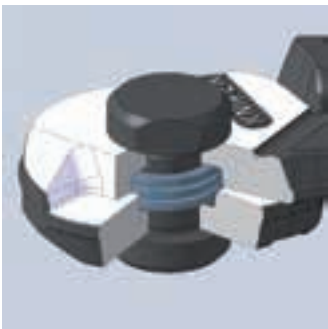


95 62 190



95 62 190 T

Cuts all wire ropes without splaying, including those that are extremely strong



Internal opening spring



Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities				g
						Ø mm	Ø mm	Ø mm	Ø mm	
95 61 190	040651	190	W	polished	plastic coated	10	5.0	4.0	2.5	310
95 62 190	071976	190	W	burnished	with multi-component grips		5.0	4.0	2.5	314
95 62 190 T	080206	190	W	burnished	with multi-component grips and integrated tether attachment point		5.0	4.0	2.5	345








# Bowden Cable Cutter

- > For Bowden cables and soft wire rope up to Ø 3.0 mm (also V2A)
- > Smooth and clean cutting due to special shape of the cutting edges
- > Sickle shape cutting edges surround the material and prevent the wire rope fanning out
- > Little handforce required due to very high transmission ratio
- > With opening spring and locking device
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



95 61 150



Article No.	EAN						Cutting capacities	
	4003773-	mm		Shears	Head	Handles	 Ø mm	g
95 61 150	065197	150		black atramentized	polished	plastic coated	3.0	205





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# Crimping Pliers for wire ferrules

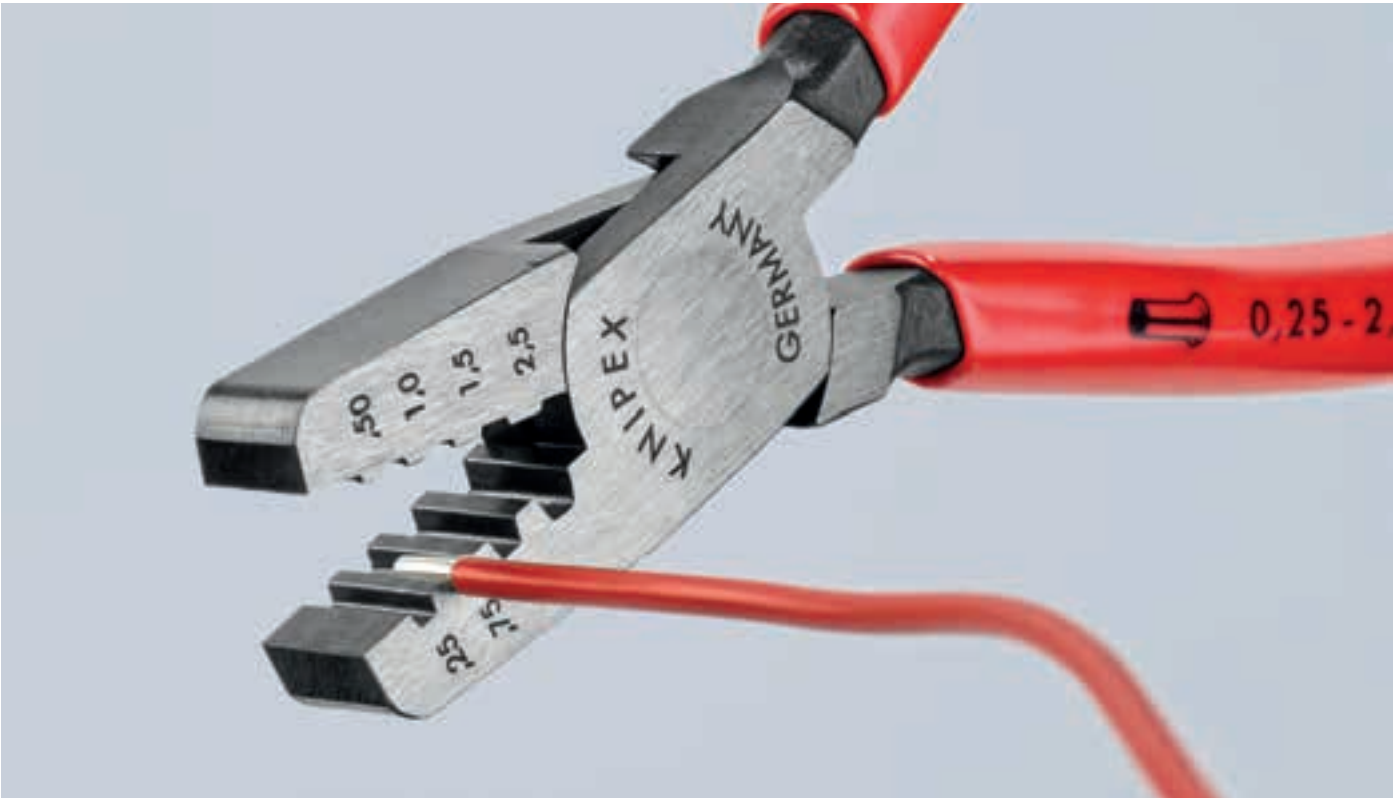
## with trapezoid crimp

- > For crimping wire ferrules according to DIN 46228 parts 1 + 4 in the range from 0.25 up to 2.5 mm²
- > Crimping in marked trapezoidal dies for reliable connections between the sleeve and the conductor
- > Vanadium electric steel; forged, oil-hardened

**97 61 145 A**  
 > VDE-tested safety up to 1000 volts



Article No.	EAN 4003773-	↔ mm			Head	Handles	Capacity mm²	AWG	Δ g
97 61 145 A	035558	145			polished	plastic coated	0.25 – 2.5	24 – 14	140
97 62 145 A	060154	145			polished	with multi-component grips	0.25 – 2.5	24 – 14	170
97 68 145 A	071754	145			 1000 V 	insulated with multi-component grips, VDE-tested	0.25 – 2.5	24 – 14	175



# Crimping Pliers for wire ferrules

## with mandrel crimp

- ▶ Light and slim design
- ▶ Easy crimping due to optimised transmission ratio

- > For crimping wire ferrules according to DIN 46228 parts 1 + 4 from 0.25 to 16 mm<sup>2</sup>
- > Crimping in marked half-round dies for reliable connections between the sleeve and the conductor
- > 9 particularly deep dies with conical side faces
- > Special tool steel, forged, oil-hardened

### 97 78 180 T

- > Pliers with integrated, insulated tether attachment point for a tool tether



97 71 180



97 72 180



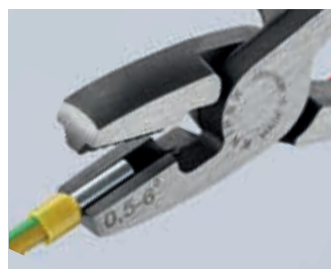
97 78 180

Article No.	EAN 4003773-	↔ mm			Head	Handles	Application	Capacity mm <sup>2</sup>	AWG	Δ g
97 71 180	040668	180			polished	plastic coated	Wire ferrules	0.25 – 16	24 – 6	205
97 72 180	060185	180			polished	with multi-component grips	Wire ferrules	0.25 – 16	24 – 6	242
97 78 180	072003	180			polished	insulated with multi-component grips, VDE-tested	Wire ferrules	0.25 – 16	24 – 6	254
97 78 180 T	081531	180			polished	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	Wire ferrules	0.25 – 16	24 – 6	260

# Crimping Pliers for wire ferrules

## with front loading

- > For crimping wire ferrules according to DIN 46228 parts 1 + 4 in the range 0.5 to 6 mm<sup>2</sup>
- > Ideal for work in confined areas, e.g. in narrow and deep switch boxes
- > Special tool steel, forged, oil-hardened



97 81 180

Article No.	EAN 4003773-	↔ mm			Head	Handles	Application	Capacity mm <sup>2</sup>	AWG	Δ g
97 81 180	019794	180			polished	plastic coated	Wire ferrules	0.5 – 6	20 – 10	209

\* Other tools with tethering can be found from page 294



# Self-Adjusting Crimping Pliers for wire ferrules

## with lateral access

- > For wire ferrules up to 16 mm<sup>2</sup>
- > Adjusts automatically to the wire ferrule size for precise and quick crimping
- > Crimping of wire ferrules according to DIN 46228 parts 1+4
- > UL approval in conjunction with KNIPEX wire ferrules 97 99 330–399
- > Repetitive, high crimping quality due to ratchet mechanism (unlockable)
- > Tools have been set precisely (calibrated) in the factory
- > Optimum transmission of force due to toggle lever for fatigue-reduced operation
- > Narrow handle width
- > Ergonomic and comfortable handle, smooth operation and lightweight
- > Special quality chrome vanadium electric steel, oil-hardened

### 97 53 04 / 97 55 04

- > With square compression
- > Also for Twin wire ferrules up to 2 x 4 mm<sup>2</sup> or 2 x AWG 12

### 97 53 14 / 97 55 14

- > With hexagonal compression
- > Also for Twin wire ferrules up to 2 x 10 mm<sup>2</sup> or 2 x AWG 8



Suitable for fine conductors: crimps fine conductors from 0.08 mm<sup>2</sup>



97 53 14: Hexagonal crimp with automatic size adjustment

**The small crimping pliers for wire end sleeves with major advantages for the user:**

Automatic adjustment to the end sleeves used: This makes work easier for the professional and offers reliable and fast crimping.



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



The crimping pliers can be adjusted to large wire ferrules of 16 mm<sup>2</sup> or 2 x 10 mm<sup>2</sup> with the adjusting wheel



Also suitable for twin wire ferrules: capacity up to 2 x 10 mm<sup>2</sup>



Article No.	EAN 4003773-	↔ mm			Pliers	Handles	Application	Capacity mm <sup>2</sup>	AWG	Δ g
97 53 04	028017	180			burnished	with multi-component grips	Wire ferrules	0.08 – 16	28 – 6	459
97 53 14	041474	180			burnished	with multi-component grips	Wire ferrules	0.08 – 16	28 – 6	445
97 55 04	084853	180			chrome-plated	with multi-component grips	Wire ferrules	0.08 – 16	28 – 6	459
97 55 14	084860	180			chrome-plated	with multi-component grips	Wire ferrules	0.08 – 16	28 – 8	445
97 59 30	053965	Extension spring for 97 53 4/5/8/9/14 thin (Handle)								
97 59 31	053972	Extension spring for 97 53 4/5/8/9/14 thick (Head)								

# Self-Adjusting Crimping Pliers for wire ferrules

## with front loading

- > For crimping wire ferrules according to DIN 46228 parts 1 + 4
- > Self-adjusting adaptation to the desired wire ferrule size: no wrong crimps caused by using the wrong die
- > Frontal insertion of the wire ferrules into the pliers
- > Repetitive, high crimping quality due to ratchet mechanism (unlockable)
- > Tools have been set precisely (calibrated) in the factory
- > Optimum transmission of force due to toggle lever for fatigue-reduced operation
- > Handy shape and low weight provide high operation comfort
- > Approved crimping according to UL in conjunction with KNIPEX wire ferrules 97 99 330–399
- > Special quality chrome vanadium electric steel, oil-hardened

### 97 53 08

- > Compression from 0.08–10.0 mm<sup>2</sup> in one profile; Square crimp; wire ferrules up to 2.5 mm<sup>2</sup> can also be loaded parallelly from the side; suitable in particular for all twin wire ferrules up to 2 x 4 mm<sup>2</sup> or 2 x AWG 12

### 97 53 09

- > Compression from 0.08 - 10.0 and 16.0 mm<sup>2</sup> in one profile; with selector lever for setting the crimping area either to 0.08–10 mm<sup>2</sup> or 16 mm<sup>2</sup>



97 53 08



97 53 09



97 53 08 and 09: Square crimp with automatic size adjustment



97 53 08: lateral loading of wire ferrules up to 2.5 mm<sup>2</sup> parallelly from the side e.g. in confined areas



Front loading of wire ferrules e.g. in switchboards

## The crimping pliers for wire ferrules with three great advantages for the user:

- > Automatic self-adjustment to the wire ferrule used: this allows the specialist to work with less strain and enables secure, reliable and quick crimping.
- > Range of applications also for large cross-sections: square crimping 0.08 to 10.0 + 16.0 mm<sup>2</sup>.
- > Front loading: very helpful under difficult working conditions in confined areas.



Article No.	EAN	↔ mm			Pliers	Handles	Application	Capacity mm <sup>2</sup>	AWG	△ g
97 53 08	040187	190			burnished	with multi-component grips	Wire ferrules	0.08 – 10	28 – 8	477
97 53 09	044550	190			burnished	with multi-component grips	Wire ferrules	0.08 – 10 / 16	28 – 6	486
97 59 30	053965	Extension spring for 97 53 4/5/8/9/14 thin (Handle)								
97 59 31	053972	Extension spring for 97 53 4/5/8/9/14 thick (Head)								

# **KNIPEX Twistor®**

## **Self-Adjusting Crimping Pliers for wire ferrules with rotatable die head**

- ▶ Crimp head can be rotated 360°, with 8 locking positions
- ▶ Wire ferrules can be crimped from almost any working position
- > Crimping pliers adjust automatically to different cross-sections
- > Crimp opening accessible from both sides, extra-long wire ferrules can be fed in
- > Crimping of Twin wire ferrules up to 2 x 6 mm² possible
- > Repetitive, high crimping quality due to ratchet mechanism (unlockable)
- > Light and handy tool, manual force reinforced by toggle lever mechanism
- > Crimp opening accessible from both sides, a length of up to 18 mm can be crimped in one operation, extra-long wire ferrules can be fed in
- > Special quality chrome vanadium electric steel, oil-hardened

### **97 53 18**

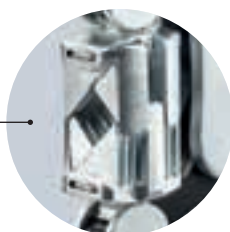
- > KNIPEX Twistor® 16: Square crimp profile, high capacity range from 0.14 to 16 mm²

### **97 53 19**

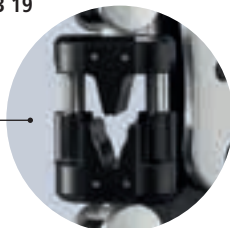
- > KNIPEX Twistor® T: Trapezial crimp profile, high capacity range from 0.14 to 10 mm²



97 53 18



97 53 19



Crimp head can be rotated 360° for optimal accessibility, even in confined spaces



Twin wire ferrules up to 2 x 6 mm² can be crimped without adjustment

Uniquely flexible: connectors can be inserted in the rotatable crimp head from almost any position

Article No.	EAN	↔ mm			Pliers	Handles	Application	Capacity mm²	AWG	Δ g
97 53 18	082729	200			chrome-plated	with multi-component grips	Wire ferrules	0.14 – 16	26 – 6	478
97 53 19	088097	200			chrome-plated	with multi-component grips	Wire ferrules	0.14 – 10	26 – 8	486



# KNIPEX PreciForce

## Crimping Pliers

- > Consistently high crimping quality due to precision dies and ratchet mechanism (unlockable)
- > Tools have been set precisely (calibrated) in the factory
- > Optimum transmission of force due to toggle lever for fatigue-reduced operation
- > Good handling due to favourable handle position, low weight, compact design and ergonomically shaped handles
- > Crimping die is not exchangeable
- > Special quality chrome vanadium electric steel, oil-hardened

For daily crimping applications, the specialist likes crimping pliers that work precisely and reliably. In addition, they should be light, comfortable to use, robust and reasonably priced: PreciForce.



97 52 36



97 52 37



97 52 30



97 52 33



97 52 34



97 52 35



97 52 36



97 52 37



97 52 38



97 52 50

Article No.	EAN 4003773-	↔ mm			Application	Capacity mm <sup>2</sup>	AWG	△ g
97 52 30	051855	220			non-insulated terminals in accordance with DIN 46235 and crimp connectors in accordance with DIN 46267	1.5 – 10	16 – 12	477
97 52 33	051862	220			non-insulated terminals	0.5 – 10	20 – 8	478
97 52 34	051879	220			non-insulated open plug type connectors (plug width 2.8 + 4.8 mm)	0.1 – 2.5	26 – 14	483
97 52 35	051886	220			non-insulated open plug type connectors - plug width 4.8 + 6.3 mm)	0.5 – 6	20 – 10	494
97 52 36	051893	220			insulated connectors	0.5 – 6	20 – 10	487
97 52 37	063193	220			insulated connectors with heat shrinkable sleeve	0.5 – 6	20 – 10	478
97 52 38	051909	220			insulated and non-insulated wire ferrules	0.25 – 6	24 – 10	493
97 52 50	051916	220			Coax-, BNC- and TNC-connectors for RG 58/174/188/316			498
97 49 94	030997	Locator for 97 49 04 / 97 52 04 / 97 52 34						
97 49 95	031000	Locator for 97 49 05 / 97 52 05 / 97 52 35						



# Crimping Pliers

## for two-hand operation

- > For solder-free electrical connections
- > The ingenious lever transmission reduces the handforce up to 30 % compared with regular crimping pliers
- > Consistently high crimping quality due to precision dies and ratchet mechanism (unlockable)
- > Tools have been set precisely (calibrated) in the factory
- > Two-hand operation for easy crimping of large conductor diameters
- > Easy handling as a result of well balanced centre of gravity, angled head and ergonomically shaped handles
- > Crimping die is not exchangeable
- > Special quality chrome vanadium electric steel, oil-hardened



97 52 04



97 52 05



97 52 06



97 52 08



97 52 09



97 52 10



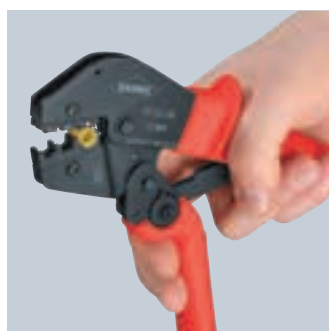
97 52 13



97 52 19



97 52 23



First step: move the handle with two fingers only until both jaws touch the connector to be crimped



Second step: now use the whole hand for further crimping procedure



Third step: when greater hand force is required, such as e.g. when crimping 6.0 mm² insulated connectors, two-hand operation is possible with the longer handles

Article No.	EAN 4003773-	↔ mm			Application	Capacity mm²	AWG	⚖ g
97 52 04	025450	250			non-insulated open plug type connectors (plug width 2.8 + 4.8 mm)	0.1 – 2.5	26 – 14	562
97 52 05	025467	250			non-insulated open plug type connectors – plug width 4.8 + 6.3 mm	0.5 – 6	20 – 10	572
97 52 06	025474	250			insulated connectors	0.5 – 6	20 – 10	565
97 52 08	025481	250			insulated and non-insulated wire ferrules	0.25 – 6	24 – 10	565
97 52 09	025498	250			insulated and non-insulated wire ferrules	10 / 16 / 25	8 / 6 / 4	571
97 52 10	023678	250			Coax-, BNC- and TNC-connectors			577
97 52 13	048084	250			non-insulated terminals	0.5 – 10	20 – 8	558
97 52 18	026839	250			Twin wire ferrules 2 x 6 / 2 x 10 / 2 x 16 mm²	6 / 10 / 16	10 / 8 / 6	571
97 52 19	052142	250			insulated and non-insulated wire ferrules	35 – 50	2 / 0	567
97 52 23	052159	250			non-insulated terminals + cable connectors	16 / 25	6 / 4	565
97 49 94	030997	Locator for 97 49 04 / 97 52 04 / 97 52 34						
97 49 95	031000	Locator for 97 49 05 / 97 52 05 / 97 52 35						

# Crimping Pliers

## short design

- > Consistently high crimping quality due to precision dies and ratchet mechanism (unlockable)
- > Tools have been set precisely (calibrated) in the factory
- > Good handling due to 20° angled head, low weight and short design
- > Crimping die is not exchangeable
- > Special quality chrome vanadium electric steel, oil-hardened

### 97 52 14

- > For non-insulated open plug type connectors (plug width 2.8 + 4.8 mm)

### 97 52 20

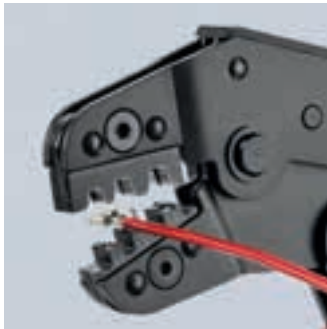
- > For Coax-, BNC- and TNC-connectors RG 58; 59; 62; 71; 223



97 52 14



97 52 20



Article No.	EAN	↔ mm		Handles	Application	Capacity mm <sup>2</sup>	AWG	Δ g
97 52 14	026808	195		with multi-component grips	non-insulated open plug type connectors (plug width 2.8 + 4.8 mm)	0.1 – 1.5	26 – 16	387
97 52 20	026853	195		with multi-component grips	Coax-, BNC- and TNC-connectors RG 58/59/62/71/223			380
97 59 14	026976	Locator for 97 52 14						

# **KNIPEX MultiCrimp**

## **Crimping Pliers with changer magazine**

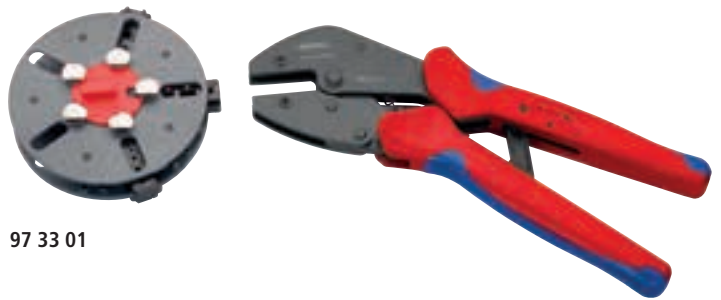
- > Just one tool for the most common crimping applications
- > Crimping dies changed quickly and easily without any additional tool
- > Sorted and protected storage of the interchangeable dies in a round magazine
- > Comfortable, powerful crimping pliers in professional quality
- > Same reliable crimping results as with fixed crimping dies
- > Consistently high crimping quality due to precision dies and ratchet mechanism (unlockable)
- > Special quality chrome vanadium electric steel, oil-hardened
- > Round magazine: glass fibre reinforced plastic

### **97 33 01**

- > Crimping pliers with round magazine and three interchangeable crimping dies

### **97 33 02**

- > Crimping pliers with round magazine and 5 interchangeable profiles



97 33 01



97 33 02

Compact, inexpensive and light-weight crimping pliers for fitting and repairs. The electrician needs only one tool now instead of five as before.



Changing the crimping dies: unlock the magazine position, take out the set of dies which the pliers have been pushed on



















Fold in the service lever and press the pliers – ready for use again



Clearly visible marking on the crimping dies with pictograms



Magazine for crimping dies can be carried on a belt

Article No.	EAN 4003773-	↔ mm			Pliers	Handles	Application	Capacity mm <sup>2</sup>	AWG	⚖ g
97 33 01	066927	250			burnished	with multi-component grips	non-insulated, open flat plug connector (plug width 4.8 + 6.3 mm)	0.25 – 6	20 – 10	770
							insulated connectors	0.5 – 6	20 – 10	
							Wire ferrules	0.25 – 6	24 – 10	
97 33 02	066934	250			burnished	with multi-component grips	non-insulated, open flat plug connector (plug width 4.8 + 6.3 mm)	0.25 – 6	24 – 10	870
							insulated connectors	0.5 – 6	20 – 10	
							Wire ferrules	0.5 – 6	23 – 10	
								10 / 16 / 25	8 / 6 / 4	
							non-insulated terminals	0.5 – 10	20 – 7	
97 39 05	070078	Crimping die for non-insulated open plug type connectors (plug width 4.8 + 6.3 mm)								
97 39 09	077763	Crimping die for insulated and non-insulated wire ferrules 10 / 16 / 25 mm <sup>2</sup>								
97 39 06	070085	Crimping die for insulated cable lugs, plug connectors and butt connectors								
97 39 08	070092	Crimping die for insulated and non-insulated wire ferrules 0,25 – 6 mm <sup>2</sup>								
97 39 13	070108	Crimping die for non-insulated crimp								
97 39 90	070061	Changer magazine empty								



# Crimp System Pliers

- ▶ Only one tool for almost 1000 crimping applications: usable with all crimping dies and locators 97 49 XX
- ▶ Almost parallel crimping motion

- > Consistently high crimping quality due to precision dies and ratchet mechanism (unlockable)
- > 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
- > Tool body: high-grade chrome vanadium electric steel, oil-hardened
- > Approved crimping according to UL in conjunction with KNIPEX wire ferrules 97 99 330–399
- > The crimping die can be easily exchanged using two screws. Please refer to the instruction manual
- > Special quality chrome vanadium electric steel, oil-hardened

## 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 66

- > With attached crimping dies for MC4 photovoltaic cable connectors (2.5 / 4 / 6 mm<sup>2</sup>)

## 97 43 200

- > Foam insert with recesses for crimping dies and locators; with service tool (Allen key), screws and nuts

## 97 43 200 A

- > Pliers without crimping dies, without case



97 43 200 /  
97 43 200 A



97 43 05



97 43 66



97 43 200 with crimping dies 97 49 06 for insulated terminals, plug connectors and butt connectors



97 43 200 with crimping dies 97 49 09 for wire ferrules



97 43 400 with crimping dies 97 49 24 and locator 97 49 93 for D-Sub plugs

With the possibility of crimping almost all currently available crimping connections with just one tool and state-of-the-art crimping pliers technology, the crimp system pliers solves almost all tasks in mobile and stationary crimping technology and is an excellent tool for professionals to use for standard crimping.

Article No.	EAN 4003773-	↔ mm			Pliers	Handles	Application	Capacity mm <sup>2</sup>	AWG	⚖ g
97 43 05	031031	200			burnished	with multi-component grips	non-insulated open plug-type connectors (4.8 and 6.3 mm connector width)	0.5 – 6	20 – 10	618
97 43 06	031048	200			burnished	with multi-component grips	insulated terminals and plug connectors	0.5 – 6	20 – 10	610
97 43 66	087779	200			burnished	with multi-component grips	MC4	2.5 – 6	14 – 10	618
97 43 200	030812	200			burnished	with multi-component grips				988
97 43 200 A	071587	200			burnished	with multi-component grips				574



# KNIPEX eCrimp

## Electromechanical Crimp System Pliers for exchangeable crimping dies

- > Strong electromechanical drive, no hydraulic components, no leakages
- > Suitable for all crimping dies 97 49 XX as well as more than 1000 special crimping dies and locators for the mechanical 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; 2.0 Ah; 18 Wh); charge time approx. 30 min; no memory effect
- > Tether attachment point to prevent falling during field work
- > Max. pressing force of the jaws approx. 11 kN
- > Approx. 170 operating cycles for plug-in connectors with 10 mm² nominal size with a single battery charge

### 97 43 E

- > With Euro plug

### 97 43 E AUS

- > With plug adapter for AS/NSZ 3112

### 97 43 E UK

- > With plug adapter for BS 5733 (GB)

### 97 43 E US


- > With plug NEMA 1-15P (USA / Canada / Mexico)



97 43 E

The KNIPEX eCrimp is the first electromechanically actuated model of crimping pliers in the world. The possible use of over 40 KNIPEX crimping dies and locators as well as more than 1,000 special crimping dies from the proven Crimp System Pliers (97 43 200). Its universal application range makes it an essential tool in the workshop and for rough field work.



Article No.	EAN 4003773-		Mains voltage/frequency	Connector socket	 g
97 43 E	076858	(PATENTED)	230 V / 50 Hz	CEE 7/16	1960
97 43 E UK	076865	(PATENTED)	230 V / 50 Hz	BS 5733	1960
97 43 E AUS	076872	(PATENTED)	230 V / 50 Hz	AS/NSZ 3112	1960
97 43 E US	077008	(PATENTED)	120 V / 60 Hz	NEMA 1-15P	1960
97 43 E 01	076889	Spare Storage Battery for KNIPEX eCrimp			

# Crimping dies for manual and electromechanical KNIPEX Crimp System Pliers Article no.: 97 43 XX

## Crimping dies for wire ferrules according to DIN 46 228

**97 49 08 / 97 49 09 / 97 49 19**

> Approved crimping according to UL in conjunction with KNIPEX wire ferrules 97 99 330–399

**97 49 18**

> UL approved compression together with KNIPEX wire ferrules 99 376–378



97 49 08

97 49 08

97 49 08

97 49 08

Article No.	EAN 4003773-			Application	Capacity mm <sup>2</sup>	AWG
<b>97 49 08</b>	030874			insulated and non-insulated wire ferrules	0,25 – 6	24 – 10
<b>97 49 09</b>	030881			insulated and non-insulated wire ferrules	10 / 16 / 25	8 / 6 / 4
<b>97 49 18</b>	063186			Twin wire ferrules for two flexible conductors	2 x 6 / 2 x 10 / 2 x 16	2 x 10 / 2 x 8 / 2 x 6
<b>97 49 19</b>	030898			insulated and non-insulated wire ferrules	35 / 50	2 / 1 / 0

## Crimping dies for insulated cable connectors

**97 49 06**

> Not suitable for shrinkable butt connectors

> Tested connectors:

97 99 001–97 99 030,  
97 99 090–97 99 180,  
97 99 270–97 99 272

**97 49 07**

> Tested connectors:

97 99 250–97 99 252



97 49 06

97 49 06 PI

97 49 07

97 49 16

97 49 21

Article No.	EAN 4003773-			Application	Capacity mm <sup>2</sup>	AWG
<b>97 49 06</b>	030836			insulated connectors	0.5 – 6	20 – 10
<b>97 49 06 PI</b>	086475			insulated PIDG + PLASTI-GRIP connectors	0.5 – 6	20 – 10
<b>97 49 07</b>	077749			insulated connectors with heat shrinkable sleeve	0.5 – 6	20 – 10
<b>97 49 16</b>	040675			insulated connectors	10 / 16	8 / 6
<b>97 49 21</b>	086468			insulated and non-insulated connectors	0.1 – 0.5	20 – 10

## Crimping dies for non-insulated cable connectors



97 49 21

97 49 10

97 49 14

97 49 23

97 49 30

Article No.	EAN 4003773-			Application	Capacity mm <sup>2</sup>	AWG
<b>97 49 21</b>	086468			insulated and non-insulated connectors	0.1 – 0.5	28 – 20
<b>97 49 10</b>	076896			for non-insulated crimp	0.25 – 2.5	24 – 14
<b>97 49 14</b>	077756			for non-insulated crimp	0.5 – 10	20 – 8
<b>97 49 23</b>	052135			for non-insulated crimp	16 / 25	6 / 4
<b>97 49 30</b>	030904			non-insulated terminals in accordance with DIN 46235 and crimp connectors in accordance with DIN 46267	1.5 – 10	16 – 8

## Crimping dies for turned contacts

### 97 49 60

- > The additionally available locator 97 49 90 makes it easier to guide the contact during the crimping process

### 97 49 61

- > The additionally available locator 97 49 91 makes it easier to guide the contact during the crimping process



97 49 60



97 49 61



97 49 64

Article No.	EAN 4003773-			Application	Capacity mm <sup>2</sup>	AWG
97 49 60	030928			Turned contacts (e.g. Harting HAN D®, HAN E®, Tyco Electronics HND series, HE/HA series, HVT series)	0.14 – 4	26 – 12
97 49 61	045137			Turned contacts (e.g. Harting HAN C®, Ilme CX series, Phoenix Contact CK4.0 series)	1.5 – 6	16 – 10
97 49 64	044055			Turned connectors of the ABS series from Tyco Electronics. Suitable for connector series HTS	2.5 / 6	14 / 10
97 49 90	031017	Locator for 97 49 60 (HTS+Harting)				
97 49 90	045144	Locator for 97 49 60 (HTS+Harting)				

## Crimping dies for non-insulated open plug type connectors with plug width of 2.8 / 4.8 / 6.3 (former DIN-plugs)

### 97 49 04

- > Application: for non-insulated, open lug connectors
  - > Crimping die 1: 0.1–0.25 mm<sup>2</sup> – plug width 2.8 mm
  - > Crimping die 2: 0.5–1.0 mm<sup>2</sup> – plug width 2.8 mm
  - > Crimping die 3: 0.5–1.0 mm<sup>2</sup> – plug width 4.8 mm
  - > Crimping die 4: 1.5–2.5 mm<sup>2</sup> – plug width 4.8 mm
- > The additionally available locator 97 49 94 makes it easier to guide the contact during the crimping process
- > Not suitable for special contact series such as Tyco Electronics, Molex, JST etc.



97 49 04



97 49 05



97 49 15

### 97 49 05

- > Application: for non-insulated, open lug connectors
  - > Crimping die 1: 0.5–1.0 mm<sup>2</sup> – plug width 4.8 and 6.3 mm
  - > Crimping die 2: 1.5–2.5 mm<sup>2</sup> – plug width 4.8 and 6.3 mm
  - > Crimping die 3: 4.0–6.0 mm<sup>2</sup> – plug width 4.8 and 6.3 mm
- > The additionally available locator 97 49 95 makes it easier to guide the contact during the crimping process
- > Not suitable for special contact series such as Tyco Electronics, Molex etc.

### 97 49 15

- > Application: crimping die 1: for non-insulated, open lug connectors with sided line terminal style A 1.5 + 2.5 mm, e. g. Klauke 3735 style B
  - > Crimping die 2: 2.5–4.0 mm<sup>2</sup> – plug width 4.8 and 6.3 mm (straight version)
  - > Crimping die 3: 4.5–6.0 mm<sup>2</sup> – plug width 4.8 and 6.3 mm (straight version)

Article No.	EAN 4003773-			Application	Capacity mm <sup>2</sup>	AWG
97 49 04	030850			non-insulated open plug type connectors – plug width 2.8 + 4.8 mm	0.1 – 2.5	26 – 14
97 49 05	030867			non-insulated open plug type connectors – plug width 4.8 + 6.3 mm	0.5 – 6	20 – 10
97 49 15	043164			non-insulated open plug type connectors with lateral conductor connection style A	1.5 – 6	16 – 10
97 49 94	030997	Locator for 97 49 04 / 97 52 04 / 97 52 34				
97 49 95	031000	Locator for 97 49 05 / 97 52 05 / 97 52 35				

## Crimping dies for rolled and punched contacts

### 97 49 24

- > The additionally available locator 97 49 93 makes it easier to guide the contact during the crimping process

### 97 49 25

- > The additionally available locator 97 49 25 1 makes it easier to guide the contact during the crimping process

### 97 49 26

- > The additionally available locator 97 49 26 1 makes it easier to guide the contact during the crimping process

### 97 49 27

- > The additionally available locator 97 49 27 1 makes it easier to guide the contact during the crimping process

### 97 49 28

- > The optionally available wire stop 97 49 28 1 prevents the wire from being inserted too far into the crimp connector. This ensures an optimum contact surface for the wire and a reliable electrical connection is established



97 49 24



97 49 25



97 49 26



97 49 27



97 49 28



97 49 54

Article No.	EAN 4003773-			Application	Capacity mm <sup>2</sup>	AWG
97 49 24	030911			D Sub	0.03 – 0.56	32 – 20
97 49 25	079798			Micro-Fit 3.0 from Molex		30 – 20
97 49 26	079804			Mini-Fit™ von Molex		24 – 16
97 49 27	079811			MQS connector without single wire seal from Tyco Electronics	0.25 – 0.5	24 – 20
97 49 28	083757			Mini Mic Superseal from Tyco Electronics	0.35 – 1.5	22 – 16
97 49 54	041450			Junior Power Timer without seal from Tyco Electronics	0.5 – 2.5	20 – 14
97 49 93	047926	Locator for 97 49 24 (D-Sub-plugs)				
97 49 28 1	079828	Locator for 97 49 24 (D-Sub-plugs)				
97 49 28 1	079835	Locator for 97 49 24 (D-Sub-plugs)				
97 49 28 1	079842	Locator for 97 49 24 (D-Sub-plugs)				
97 49 28 1	083764	Wire Feed Stopper for 97 49 28				

## Crimping dies for coaxial connectors

### 97 49 40

- > Function 1: crimping capacity hexagonal 5.4 mm
- > Function 3: crimping capacity hexagonal 6.48 mm
- > Function 3: crimping capacity hexagonal 1.72 mm

### 97 49 50

- > Function 1: crimping capacity hexagonal 3.25 mm
- > Function 2: crimping capacity hexagonal 4.52 mm
- > Function 3: crimping capacity hexagonal 5.4 mm
- > Function 4: crimping capacity hexagonal 1.72 mm
- > Function 5: crimping capacity hexagonal 1.07 mm
- > Function 6: crimping capacity hexagonal 0.72 mm



97 49 40



97 49 50

Article No.	EAN 4003773-			Application
97 49 40	030959			Coax connectors RG 58, RG59, RG62, RG71
97 49 50	030966			Coax connectors RG 58, RG174, RG316, RG188



## Crimping dies for photovoltaics

### 97 49 59

- > The additionally available locator 97 49 59 1 makes it easier to guide the contact during the crimping process
- > Not suitable for punched H4 contacts

### 97 49 66

- > The additionally available locator 97 49 66 1 makes it easier to guide the contact during the crimping process
- > Not suitable for the contact series MC4 EVO2

### 97 49 66 4

- > Universal crimping die with 4 mm<sup>2</sup> cable cross section
- > Function 1: cutting of 4 mm<sup>2</sup> photovoltaic cables
- > Function 2: stripping of 4 mm<sup>2</sup> photovoltaic cables
- > Function 3: crimping of 4 mm<sup>2</sup> MC4 contacts
- > Not suitable for the contact series MC4 EVO2

### 97 49 66 6

- > Universal crimping die with 6 mm<sup>2</sup> cable cross section
- > Function 2: cutting of 6 mm<sup>2</sup> photovoltaic cables
- > Function 2: stripping of 6 mm<sup>2</sup> photovoltaic cables
- > Function 3: crimping of 6 mm<sup>2</sup> MC4 contacts
- > Not suitable for the contact series MC4 EVO2

### 97 49 68

- > The additionally available locator 97 49 68 1 makes it easier to guide the contact during the crimping process

### 97 49 69 1 / 97 49 69 2

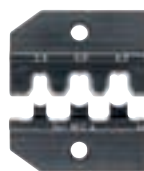
- > The additionally available locator 97 49 69 11 makes it easier to guide the contact during the crimping process

### 97 49 71

- > The additionally available locator 97 49 71 1 makes it easier to guide the contact during the crimping process
- > Not suitable for punched H4 contacts



97 49 59



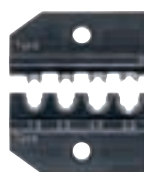
97 49 66



97 49 66 4



97 49 66 6



97 49 68



97 49 69 1



97 49 69 2



97 49 71

Article No.	EAN 4003773-		Application	Capacity mm <sup>2</sup>	AWG
97 49 59	073734		Helios H4 (Amphenol)	2.5 – 10	14 – 8
97 49 66	066699		MC4	2.5 / 4 / 6	14 / 12 / 10
97 49 66 4	072096		MC4	4	12
97 49 66 6	072102		MC4	6	10
97 49 68	066712		Solar cable connectors (Tyco)	1.5 – 6	16 – 10
97 49 69 1	072119		PST 40 (Wieland)	0.14 – 4	26 – 12
97 49 69 2	072126		PST 40 (Wieland)	4 / 6 / 10	12 / 10 / 8
97 49 71	075066		MC4	4 / 6 / 10	12 / 10 / 8
97 49 59 1	073741	Locator for 97 49 59 (solar cable connectors Helios H4)			
97 49 66 1	066736	Locator for 97 49 66 (solar cable connectors MC4)			
97 49 71 1	075073	Locator for 97 49 71 (solar cable connectors MC4)			
97 49 68 1	066743	Locator for 97 49 68 (solar cable connectors Solarlok)			
97 49 69 11	072133	Locator for 97 49 69 1 and 97 49 69 2			

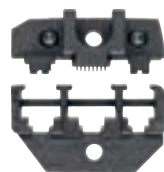
## Crimping dies for Western plugs

### 97 49 70

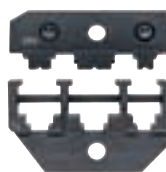
- > 4, 6, 8 poles
- > RJ9, RJ10, RJ11, RJ12, RJ45

### 97 49 74

- > For short-design Molex plugs or similar



97 49 70



97 49 74

Article No.	EAN 4003773-		Application
97 49 70	030942		unshielded Western plugs with open housing
97 49 74	044062		unshielded Western plugs with open housing (short design)

# Set of Mounting Tools

## for solar cable connectors MC4 (Multi-Contact)

- > Set of two mounting tools
- > To loosen and tighten cable glands of MC4 solar plugs
- > To open the locking of MC4 housings (even in case of mounted lock clip)
- > Tool: glass fibre reinforced plastic



97 49 66 2



Article No.	EAN 4003773-	$\leftrightarrow$ mm	 g
97 49 66 2	074106	115	18

# Crimping Pliers for micro plugs

## parallel crimping

- > Parallel crimping performance to satisfy the particularly high standards of small connectors
- > Consistently high crimping quality due to precision dies and ratchet mechanism (unlockable)
- > Tools have been set precisely (calibrated) in the factory
- > Optimum transmission of force due to toggle lever for fatigue-reduced operation
- > Crimping pliers for other mini plugs such as HD 22, Modu IV, Micro Timer, MQS ... on request
- > Crimping die is not exchangeable
- > Special quality chrome vanadium electric steel, oil-hardened



97 54 24



97 54 25



97 54 26



Article No.	EAN 4003773-	$\leftrightarrow$ mm			Pliers	Handles	Application	Capacity mm <sup>2</sup>	AWG	 g
97 54 24	060215	190			burnished	with multi-component grips	D Sub	0.03 – 0.56	32 – 20	305
97 54 25	079859	190			burnished	with multi-component grips	Micro-Fit 3.0 from Molex		30 – 20	305
97 54 26	079866	190			burnished	with multi-component grips	Mini-Fit™ von Molex		24 – 16	305

# Tool Case for Photovoltaics

## ► Equipped with tools for photovoltaics

- > With Crimp System Pliers 97 43 200 A for exchangeable crimping dies; crimping pressure has been set precisely (calibrated) in the factory
- > With cable shears 95 16 165 for Cu cables up to Ø 15 mm
- > Without crimping dies – please order separately (see ref. 97 49...) for individual assortment
- > With service tools (hexagonal key) for the change of crimping dies
- > Shock-resistant plastic case
- > Foam insert with recesses for tools, 2 crimping dies (not included) and 2 locators (not included)
- > Dimensions, exterior (W x H x D): 345 x 80 x 280 mm

### 97 91 01






- > With Precision Insulation Stripper 12 12 11 with adapted blades for smaller stripping capacities 1.5 / 2.5 / 4.0 / 6.0 mm<sup>2</sup>

### 97 91 03

- > With Precision Insulation Stripper 12 12 12 with adapted blades for larger stripping capacities 4.0 / 6.0 / 10.0 mm<sup>2</sup>



97 91 01

Article No.	EAN 4003773-				Quantity	Nominal size	 g
97 91 01	070351	Tool Case for Photovoltaics					1964
			12 12 11	Precision Insulation Stripper with adapted blades 1.5 / 2.5 / 4 / 6 mm²	1	1.5 – 6.0 mm²	
		 1000 V 	95 16 165	Cable Shears	1	Ø 15 mm / 50 mm²	
			97 43 200 A	Crimp System Pliers for exchangeable crimping dies	1		
97 91 03	087755	Tool Case for Photovoltaics					1964
			12 12 12	Precision Insulation Stripper with adapted blades 4 / 6 / 10 mm²	1	4.0 – 10.0 mm²	
		 1000 V 	95 16 165	Cable Shears	1	Ø 15 mm / 50 mm²	
			97 43 200 A	Crimp System Pliers for exchangeable crimping dies	1		
97 91 01 LE	088813	Tool Case for Photovoltaics empty					

Suitable crimping dies and locators see pages 193–196

# Sets for Photovoltaics MC4

## ► Equipped with tools for photovoltaics

- > With Crimp System Pliers 97 43 200 A for exchangeable crimping dies; crimping pressure has been set precisely (calibrated) in the factory
- > With cable shears 95 16 165 for Cu cables up to Ø 15 mm
- > With service tools (hexagonal key) for the change of crimping dies
- > With set of mounting tools 97 49 66 2 to loosen and tighten cable glands of MC4 solar plugs and to open the locking of MC4 housing
- > Foam insert with recesses for tools, 2 crimping dies and 2 locators
- > Shock-resistant plastic case
- > Dimensions, exterior (W x H x D): 345 x 80 x 280 mm

### 97 91 04 V01

- > With crimping die 97 49 66 for solar cable connectors MC4 (Multi-Contact) 2.5 – 6.0 mm<sup>2</sup>, locator 97 49 66 1

### 97 91 04 V02

- > With crimping die 97 49 71 for solar cable connectors MC4 (Multi-Contact) 4.0 – 10.0 mm<sup>2</sup>, locator 97 49 71 1



97 91 04 V01

Article No.	EAN 4003773-		Nominal size	Quantity	Δ g
<b>97 91 04 V01</b>	088998	Tool Case for Photovoltaics for solar cable connectors MC4 (Multi-Contact)			2010
		12 12 11	Precision Insulation Stripper with adapted blades 1.5/2.5/4/6 mm <sup>2</sup>	1.5 – 6.0 mm <sup>2</sup>	1
		95 16 165	Cable Shears	Ø 15 mm / 50 mm <sup>2</sup>	1
		97 43 200 A	Crimp System Pliers for exchangeable crimping dies		1
		97 49 66	Crimping die for solar cable connectors MC4 (Multi-Contact)	2.5 – 6.0 mm <sup>2</sup>	1
		97 49 66 1	Locator for 97 49 66 (solar cable connectors MC4)		1
		97 49 66 2	Set of Mounting Tools for solar cable connectors MC4 (Multi-Contact)		1
<b>97 91 04 V02</b>	089001	Tool Case for Photovoltaics for solar cable connectors MC4 (Multi-Contact)			2010
		12 12 12	Precision Insulation Stripper with adapted blades 4/6/10 mm <sup>2</sup>	4.0 – 10.0 mm <sup>2</sup>	1
		95 16 165	Cable Shears	Ø 15 mm / 50 mm <sup>2</sup>	1
		97 43 200 A	Crimp System Pliers for exchangeable crimping dies		1
		97 49 66 2	Set of Mounting Tools for solar cable connectors MC4 (Multi-Contact)		1
		97 49 71	Crimping die for solar cable connectors MC4 (Multi-Contact)	4.0 – 10.0 mm <sup>2</sup>	1
		97 49 71 1	Locator for 97 49 71 (solar cable connectors MC4)		1
<b>97 91 01 LE</b>	088813	Tool Case for Photovoltaics empty			



# Four-Mandrel Crimping Pliers for turned contacts

- > For crimping turned contacts
- > Four-mandrel crimping for top-quality crimp connections
- > Mandrel gauge to check the basic setting
- > Repetitive, high crimping quality due to ratchet mechanism (unlockable)
- > Optimum transmission of force due to highly effective lever action for fatigue-reduced operation
- > High operation comfort due to handy shape
- > Special quality chrome vanadium electric steel, oil-hardened

## 97 52 63

- > Fine adjustment of pressure depending on the conductor's diameter by means of adjusting wheel; pliers in a plastic case with foam insert and standard locator for precise positioning of the contacts

## 97 52 63 DG

- > Crimping capacity can be adjusted in increments of 0.01 mm; With digital display of the preset crimping capacities and possibility of re-calibration via RESET function with electronic wear monitoring; Adjustment in mm, inches or comparable selection positions according to MIL; Pliers in a plastic case with foam insert and standard locator for precise positioning of the contacts

## 97 52 65

- > 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

## 97 52 65 A

- > Fine adjustment of pressure depending on the conductor's diameter by means of adjusting wheel; with table for calculating the settings; pliers in a plastic case with foam insert

## 97 52 65 DG

- > Crimping capacity can be adjusted in increments of 0.01 mm; with digital display of the preset crimping capacities and possibility of re-calibration via RESET function with electronic wear monitoring; adjustment in mm, inches or comparable selection positions according to MIL; with table for calculating the settings; pliers in a plastic case with foam insert and standard locator for precise positioning of the contacts

## 97 52 65 DG A

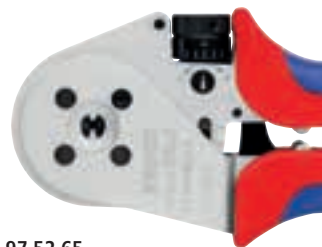
- > Crimping capacity can be adjusted in increments of 0.01 mm; with digital display of the preset crimping capacities and possibility of re-calibration via RESET function with electronic wear monitoring; adjustment in mm, inches or comparable selection positions according to MIL; with table for calculating the settings; pliers in a plastic case with foam insert; without positioning guide



97 52 63



97 52 63 DG



97 52 65



97 52 65 A



97 52 65 DG



97 52 65 DG A



Multi-functional digital display, adjustment in mm, inch or comparable selection positions according to MIL

Turned contacts are used for particularly demanding plug-type connections, e.g. in medical industry and aeronautics. Extremely reliable crimping connections can be achieved only with pliers that work with absolute precision and maintain the required crimping depth in the 1/100 mm range.





Standard locator



97 59 65 2



Article No.	EAN 4003773-	↔ mm			Pliers	Handles	Application	Max. contact diameter mm	Capacity mm <sup>2</sup>	AWG	Δ <sub>g</sub>
97 52 63	050148	180			chrome-plated	with multi-component grips	turned contacts	5.0	0.08 – 2.5	28 – 14	388
97 52 63 DG	063209	195			chrome-plated	with multi-component grips	for turned contacts from Phoenix Contact (formerly Coninvers)	5.0	0.08 – 2.5	28 – 14	388
97 52 65	045236	230			chrome-plated	with multi-component grips	turned contacts (Harting; Ilme; Phoenix; Amphenol; Walther; HTS; Contact; Weidmüller)	7.5	0.14 – 6	26 – 10	676
97 52 65 A	071594	250			chrome-plated	with multi-component grips	turned contacts (Harting; Ilme; Phoenix; Amphenol; Walther; HTS; Contact; Weidmüller)	7.5	0.14 – 6	26 – 10	604
97 52 65 DG	063216	250			chrome-plated	with multi-component grips	turned contacts (Harting; Ilme; Phoenix; Amphenol; Walther; HTS; Contact; Weidmüller)	7.5	0.14 – 6	26 – 10	633
97 52 65 DG A	071990	250			chrome-plated	with multi-component grips	turned contacts (Harting; Ilme; Phoenix; Amphenol; Walther; HTS; Contact; Weidmüller)	7.5	0.14 – 6	26 – 10	633
97 59 65 2	071600	Universal Locator for 97 52 65 / 97 52 65 A / 97 52 65 DG / 97 52 65 DG A									

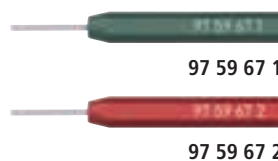
## Four-Mandrel Crimping Pliers for DT contacts

- ▶ Crimps all turned male and female contacts of the series DT, DTM and DTP (formerly DEUTSCH connectors)
- ▶ Comprehensive capacity: from 0.35 mm<sup>2</sup> to 3.0 mm<sup>2</sup> (AWG 22–12)

- > Synchronous feed of the four mandrels achieves optimum crimping results with eight indentations (4/8-Indent)
- > Universal positioning aid for flexible adjustment to all contact lengths
- > Repetitive, high crimping quality due to ratchet mechanism (unlockable)
- > Position settings for the crimp depth can be clearly read on the pliers
- > Ergonomic design for low-fatigue work: optimised opening width, comfortable multicomponent grips, low manual force required due to lever transmission

### Additionally available: very precisely ground Go/NoGo gauges to control calibration:

Go/NoGo gauges allow quick quality control at any time: Go gauge must fit, NoGo gauge must not fit



97 59 67 1

97 59 67 2



97 52 67 DT



Simple configuration of the crimp depth via adjusting disc with 8 setting positions



Position settings for the crimp depth can be clearly read on the pliers



Synchronous feed of the four mandrels achieves optimum crimping results with eight indentations (4/8-Indent)



Universal positioning aid for flexible adjustment to all contact lengths

Article No.	mm <sup>2</sup>	AWG	↔ mm	Δ <sub>g</sub>
97 52 67 DT	0.35–3.00	22–12	230	650
97 52 67 1	Spare "Go" gauge		75	5
97 52 67 2	Spare "NoGo" gauge		75	5

# Crimping Pliers

- > For cutting cables, stripping wire and crimping insulated terminals and heat shrinkable sleeve connectors
- > With threaded holes for cutting copper and brass screws threaded M 2.6 / M 3 / M 3.5 / M 4 and M 5
- > Bolted joint for higher stability and even movement
- > Special steel, high-strength

## 97 21 215

- > For cutting cables, stripping wire and crimping insulated terminals and heat shrinkable sleeve connectors

## 97 21 215 B

- > For cutting cables, stripping wire and crimping non-insulated plug type connectors

## 97 21 215 C

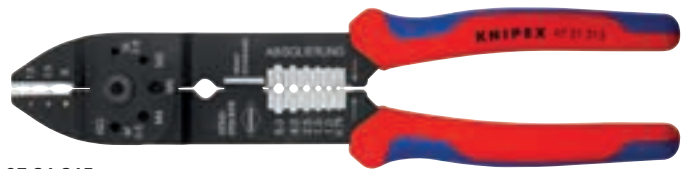
- > For cutting cables, stripping wire and crimping non-insulated crimp terminals according to DIN 46234

## 97 22 240

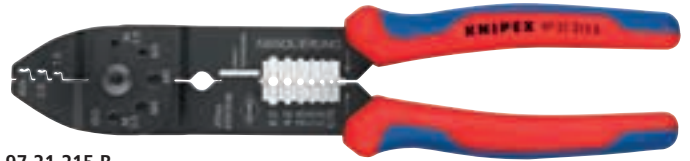
- > For cutting cables, stripping wire and crimping insulated terminals and heat shrinkable sleeve connectors and non-insulated plug type connectors

## 97 32 240

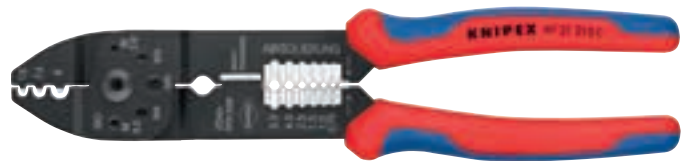
- > For cutting cables, stripping wire and crimping insulated terminals and heat shrinkable sleeve connectors and non-insulated crimp terminals according to DIN 46234



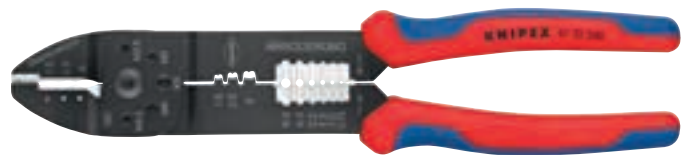
97 21 215



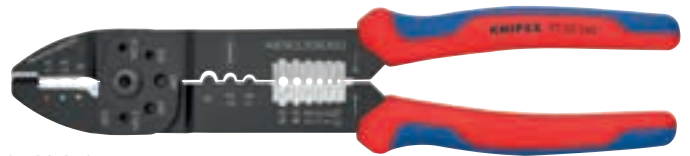
97 21 215 B



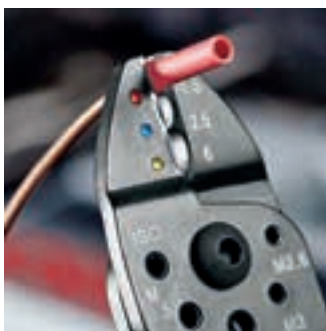
97 21 215 C



97 22 240



97 32 240



Article No.	EAN 4003773-	↔ mm			Pliers	Handles	Application	Capacity mm <sup>2</sup>	AWG	△ g
97 21 215	019688	230			black lacquered	with multi-component grips	insulated terminals + cable connectors	0.5 – 6	20 – 10	250
97 21 215 B	019695	230			black lacquered	with multi-component grips	non-insulated open plug-type connectors (plug width 6.3 mm)	0.5 – 2.5	20 – 14	250
97 21 215 C	019701	230			black lacquered	with multi-component grips	non-insulated terminals + cable connectors	0.5 – 6	20 – 10	290
97 22 240	070726	240			black lacquered	with multi-component grips	insulated terminals + cable connectors	0.5 – 6	20 – 10	270
							non-insulated open plug-type connectors (plug width 6.3 mm)	0.5 – 2.5	20 – 14	
97 32 240	079491	240			black lacquered	with multi-component grips	insulated terminals + cable connectors	0.5 – 6	20 – 10	264
							non-insulated terminals + cable connectors	0.5 – 6	20 – 10	



# Crimping Pliers for Western plugs

## ► For data cables in telecommunication and networks

- > Quick cutting and stripping of CAT-cables with high-quality blades
- > Precise crimping process due to parallel crimping
- > Repetitive, high crimping quality due to ratchet mechanism (unlockable)
- > Optimum transmission of force due to lever action for fatigue-reduced operation
- > Head burnished, handles with two-colour multi-component grips
- > Special quality chrome vanadium electric steel, oil-hardened

### 97 51 12

- > For Western connectors type RJ10, RJ11/12 and RJ45
- > Long design with length cutter and stripping knife for unshielded ribbon telephone cables

### 97 51 10

- > For compression of 6- and 8-pole Western plugs type RJ 11/12 and type RJ 45
- > Long design with length cutter and stripping knife for unshielded ribbon telephone cables

### 97 51 13

- > For shielded and unshielded Western plugs RJ45 (8P8C)
- > With adjustable retaining bracket, for all common RJ45 plugs with closed and non-closed housings
- > Separate crimping die for strain relief (cable clip)



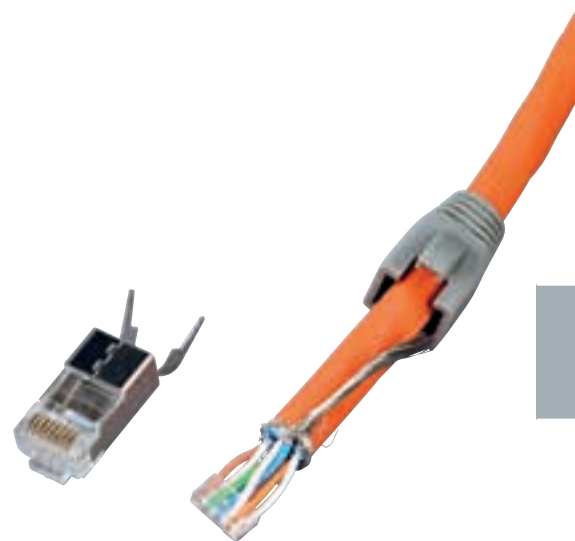
97 51 10













97 51 12



97 51 13



For shielded and unshielded Western plugs!

Article No.	EAN 4003773-	↔ mm			Handles	Capacity	g
97 51 10	043171	190	  		with multi-component grips	RJ 11/12 (6-poles) 9.65 mm RJ 45 (8-poles) 11.68 mm	340
97 51 12	043188	200	   		with multi-component grips	RJ 10 (4-poles) 7.65 mm RJ 11/12 (6-poles) 9.65 mm RJ 45 (8-poles) 11.68 mm	475
97 51 13	087908	190	  		with multi-component grips	RJ45 (8-poles)	345
97 51 E01	089278	Spare blade for 97 51 10 / 97 51 12 / 97 51 13					



# Insertion tool

## for LSA-Plus and identical construction design

- > Tool for putting on boards, sockets and fields
- > Pushing down and cutting in one operation
- > For UTP and STP cables, conductor Ø 0.4–0.8 mm
- > With integrated pulling hook and release blade
- > Housing: plastic, impact-proof



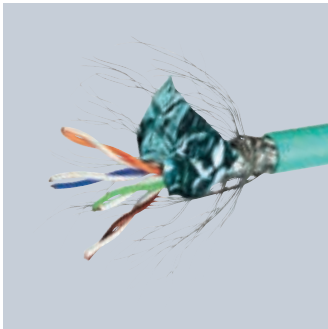
97 40 10



Inserts and cuts cables in one operation



With integrated pulling hook



Article No.	EAN 4003773-	↔ mm	Head	Application	Capacity Ø mm	⚖ g
97 40 10	044895	175	burnished	UTP- and STP-cables, LSA-Plus and identical	0.4 – 0.8	100

# 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
- > Applicable among others for compression connectors Kathrein EMK 12, Cablecon F-56 CX3 5.1, Astro FKS 06, suitable connector 97 99 500



97 40 20 SB



Article No.	EAN 4003773-	↔ mm	Application	⚖ g
97 40 20 SB	077626	175	for F, BNC and RCA connectors	430


# F-Compression Connector

- > Suitable for coax cable with outer diameter of 7 mm and dielectric from 4.7 mm diameter (all standard coax cable with Ø 1.1 mm inner conductor)
- > Nitin-6™ coating ensures excellent protection against environmental influences
- > Waterproof (8 h /at a depth of 30 m), ideal for connection to LNB and external antennae
- > Suitable for KNIPEX 97 40 20 compression tool
- > 10 Cablecon F-compression connectors in a blister pack



97 99 500



Article No.	EAN	
97 99 500	4003773-082378	
		10

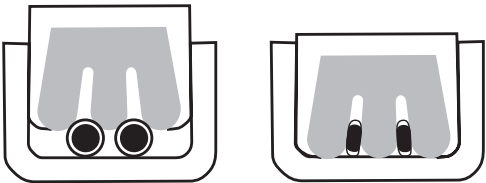
# Crimping Pliers for Scotchlok™ connectors


with side cutter

- > For crimping plastic-insulated telecommunication or signal cables using the U-contact principle in single Scotchlok™ connectors
- > No stripping necessary, U-shaped elements establish the connection
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC
- > With opening spring
- > Vanadium electric steel; forged, oil-hardened



97 50 01



Article No.	EAN	↔		Head	Handles	Application	Capacity	⚖
97 50 01	4003773-028239	mm		polished	plastic coated	Scotchlok™ single connector	Ø mm	g
		155					0.4 – 1.1	135

# Crimp Assortments

## for wire ferrules

- > 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 wire ferrules with/without collar

### 97 90 05

- > Crimping pliers for wire end ferrules (97 71 180)

### 97 90 06

- > Crimping pliers for wire end ferrules (97 71 180)

### 97 90 09

- > With Self-Adjusting Crimping Pliers for wire ferrules (97 53 04)

### 97 90 10

- > With Self-Adjusting Insulation Stripper (12 40 200); with Self-Adjusting Crimping Pliers for wire ferrules (97 53 04)

### 97 90 13

- > With KNIPEX Twistor16® (97 53 18) Self-Adjusting Crimping Pliers for wire ferrules with rotatable die head

### 97 90 14

- > With crimping pliers for wire ferrules KNIPEX Twistor16® (97 53 18) and KNIPEX PreciStrip16 (12 52 195)

### 97 90 15

- > With crimping pliers for wire ferrules (97 53 09) and KNIPEX PreciStrip16 (12 52 195)

### 97 90 16

- > With crimping pliers for wire ferrules (97 53 09) and self-adjusting insulation stripper (12 40 200)

### 97 90 17

- > With crimping pliers for wire ferrules (97 53 09) and self-adjusting insulation stripper (12 42 195)

### 97 90 23

- > With crimping pliers KNIPEX PreciForce for wire ferrules (97 52 38)



97 90 05



97 90 10



97 90 13



97 90 23



Article No.	EAN 4003773-		Pliers	200 x mm <sup>2</sup>	150 x mm <sup>2</sup>	100 x mm <sup>2</sup>	80 x mm <sup>2</sup>	75 x mm <sup>2</sup>	50 x mm <sup>2</sup>	40 x mm <sup>2</sup>	30 x mm <sup>2</sup>	20 x mm <sup>2</sup>	g
97 90 05	025535		97 71 180	0.5 / 0.75 / 1 / 1.5 / 2.5	4 / 6				10 / 16				930
97 90 06	025542		97 71 180	0.5 / 0.75 / 1 / 1.5	2.5			4 / 6	10	16			930
97 90 09	028574		97 53 04	0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6			10				1420
97 90 10	046202		12 40 200	0.5 / 0.75 / 1 / 1.5 / 2.5	4 / 6				10				1353
			97 53 04										
97 90 13	083474		97 53 18	0.5 / 0.75 / 1 / 1.5	2.5			4 / 6	10	16			1270
97 90 14	084884		97 53 18	0.5 / 0.75 / 1 / 1.5	2.5			4 / 6	10	16			1450
			12 52 195										
97 90 15	084877		97 53 09		1.5	2x1.5 / 2.5	2x2.5 / 4		6	2x4	2x6 / 10	2x10 / 16	1450
			12 52 195										
97 90 16	086024		12 40 200	0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6			10				1450
			97 53 09										
97 90 17	086031		12 42 195	0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6			10				1450
			97 53 09										
97 90 23	062158		97 52 38	0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6							1226
97 90 00 LE	054009	TANOS MINI-systainer® empty											900

# Crimp Assortments

## for cable connectors

- > 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 standard cable connectors

### 97 90 21

- > With crimping pliers KNIPEX PreciForce (97 52 36) (for insulated terminals and plug connectors)

### 97 90 22

- > Self-Adapting Universal Insulation Stripper Multistrip 10 (12 42 195); with crimping pliers KNIPEX PreciForce (97 52 36) (for insulated terminals and plug connectors)

### 97 90 25

- > With crimping pliers (97 22 240)

### 97 90 26

- > With crimping pliers (97 32 241)



97 90 21



97 90 22



97 90 25



97 90 26

Article No.	EAN 4003773-		Pliers	Cable Connectors	Quantity	Cable mm <sup>2</sup>	Δ g
97 90 21	062134		97 52 36	Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 – 1	1416
				Round Sockets, Ø 4 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 4 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 5 mm	25	4 – 6	
				Cable Connectors, eye type, Ø 6 mm	25	1.5 – 2.5	
				Butt Connectors, insulated Red	25	1.5 – 2.5	
				Butt Connectors, insulated Blue	25	0.5 – 1	
				Round Pin Plugs Ø 4 mm	25	4 – 6	
					25	1.5 – 2.5	
					25	0.5 – 1	
					25	1.5 – 2.5	
					25	0.5 – 1	
97 90 22	062141		97 52 36 12 42 195	Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 – 1	1527
				Cable Connectors, eye type, Ø 4 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 5 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 6 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 8 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 4 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 5 mm	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	
				Butt Connectors, insulated Yellow	25	4 – 6	
					25	0.5 – 1.5	
97 90 25	076971		97 22 240	Blade Terminal Sockets, 6.3 x 0.8 mm	25	1 – 2.5	1150
				Cable Connectors, eye type, Ø 4 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 5 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 4 mm	25	4 – 6	
				Cable Connectors, eye type, Ø 5 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 6 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 8 mm	25	0.5 – 1	
				Butt Connectors, insulated Red	25	1.5 – 2.5	
				Butt Connectors, insulated Blue	25	0.5 – 1	
				Butt Connectors, insulated Yellow	25	1.5 – 2.5	
					25	4 – 6	
					25	0.5 – 1	
97 90 26	079521		97 32 240	Blade Terminal Sockets, non-insulated, 6.3 x 0.8 mm	25	1.5 – 2.5	1420
				Blade Terminal Sockets, 6.3 x 0.8 mm	25	4 – 6	
				Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 – 1	
				Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 – 1	
				Blade Terminal Plugs, 6.3 x 0.8 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 4 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	0.5 – 1	
					25	4 – 6	
					25	0.5 – 1	
					25	1.5 – 2.5	
97 90 00 LE	054009	TANOS MINI-systainer® empty					900



## Blade Terminal Sockets

### insulated

- > Material: brass, tin-plated
- > Insulation: nylon
- > Max. temperature: 105 °C
- > Max. electrical load: 600 V



97 99 022

Article No.	EAN 4003773-	Width x Depth mm <sup>2</sup>	Cable mm <sup>2</sup>	AWG	Colour	
97 99 001	075882	2.8 x 0.5	0.5 – 1	22 – 16	red	100
97 99 010	075899	4.8 x 0.8	0.5 – 1	22 – 16		100
97 99 020	075912	6.3 x 0.8	0.5 – 1	22 – 16		100
97 99 011	075905	4.8 x 0.8	1.5 – 2.5	16 – 14	blue	100
97 99 021	075929	6.3 x 0.8	1.5 – 2.5	16 – 14		100
97 99 030	075943	7.7 x 0.8	1.5 – 2.5	16 – 14		100
97 99 022	075936	6.3 x 0.8	4 – 6	12 – 10	yellow	100

## Plug Connectors

### non-insulated

- > Material connector: galvanized brass



97 99 050

Article No.	EAN 4003773-	Width x Depth mm <sup>2</sup>	Cable mm <sup>2</sup>	AWG	
97 99 050	075950	2.8 x 0.8	1.5	16	100
97 99 060	075967	4.8 x 0.8	1.5	16	100
97 99 070	075974	6.3 x 0.8	1.5	16	100
97 99 071	075981	6.3 x 0.8	2.5	14	100

## Flat Pin Accessory Distributors

### insulated

- > Material: brass, tin-plated
- > Insulation: nylon
- > Max. temperature: 105 °C
- > Max. electrical load: 600 V



97 99 091

Article No.	EAN 4003773-	Width x Depth mm <sup>2</sup>	Cable mm <sup>2</sup>	AWG	Colour	
97 99 090	075998	6.3 x 0.8	0.5 – 1	22 – 16	red	100
97 99 091	076001	6.3 x 0.8	1.5 – 2.5	16 – 14	blue	100
97 99 092	076018	6.3 x 0.8	4 – 6	12 – 10	yellow	100

## Blade Terminal Plugs

### insulated

- > Material: brass, tin-plated
- > Insulation: nylon
- > Max. temperature: 105 °C
- > Max. electrical load: 600 V



97 99 111

Article No.	EAN 4003773-	Width x Depth mm <sup>2</sup>	Cable mm <sup>2</sup>	AWG	Colour	
97 99 110	076025	6.3 x 0.8	0.5 – 1	22 – 16	red	100
97 99 111	076032	6.3 x 0.8	1.5 – 2.5	16 – 14	blue	100
97 99 112	076049	6.3 x 0.8	4 – 6	12 – 10	yellow	100

## Round Sockets

### insulated

- > Material: brass, tin-plated
- > Insulation: nylon
- > Max. temperature: 105 °C
- > Max. electrical load: 600 V



97 99 131

Article No.	EAN 4003773-	Connector Ø mm	Cable mm <sup>2</sup>	AWG	Colour	
97 99 130	076056	4.0	0.5 – 1	22 – 16	red	100
97 99 131	076063	5.0	1.5 – 2.5	16 – 14	blue	100

## Round Pin Plugs

### insulated

- > Material: brass, tin-plated
- > Insulation: nylon
- > Max. temperature: 105 °C
- > Max. electrical load: 600 V



97 99 151

Article No.	EAN 4003773-	Connector Ø mm	Cable mm <sup>2</sup>	AWG	Colour	
97 99 150	076070	4.0	0.5 – 1	22 – 16	red	100
97 99 151	076087	5.0	1.5 – 2.5	16 – 14	blue	100

## Cable Connectors, eye type

### insulated

- > Insulation: nylon
- > Operating Temperature: -55 °C to +105 °C
- > Max. electrical load: 600 V
- > DIN 46237



97 99 170

Article No.	EAN 4003773-	Screws Ø mm	Cable mm <sup>2</sup>	AWG	Colour	
97 99 170	076094	3.0	0.5 – 1	22 – 16	red	200
97 99 171	076100	4.0	0.5 – 1	22 – 16		200
97 99 172	076117	5.0	0.5 – 1	22 – 16		200
97 99 173	076124	4.0	1.5 – 2.5	16 – 14	blue	100
97 99 174	076131	5.0	1.5 – 2.5	16 – 14		100
97 99 175	076148	6.0	1.5 – 2.5	16 – 14		100
97 99 176	076155	8.0	1.5 – 2.5	16 – 14	yellow	100
97 99 177	076162	5.0	4 – 6	12 – 10		100
97 99 178	076179	6.0	4 – 6	12 – 10		100
97 99 179	076186	8.0	4 – 6	12 – 10		100
97 99 180	076193	10.0	4 – 6	12 – 10		100

## Non-Insulated Solderless Terminals

- > Material: copper, galvanized
- > DIN 46234



97 99 210

Article No.	EAN 4003773-	Screws Ø mm	Cable mm <sup>2</sup>	AWG	
97 99 210	076209	3.0	0.5 – 1	22 – 16	200
97 99 211	076216	4.0	0.5 – 1	22 – 16	200
97 99 212	076223	5.0	0.5 – 1	22 – 16	200
97 99 213	076230	4.0	1.5 – 2.5	16 – 14	100
97 99 214	076247	5.0	1.5 – 2.5	16 – 14	100
97 99 215	076254	6.0	1.5 – 2.5	16 – 14	100
97 99 216	076261	8.0	1.5 – 2.5	16 – 14	100
97 99 217	076278	5.0	4 – 6	12 – 10	100
97 99 218	076285	6.0	4 – 6	12 – 10	100
97 99 219	076292	8.0	4 – 6	12 – 10	100
97 99 220	076308	10.0	4 – 6	12 – 10	100

## Heat Shrinkable Butt Connectors

- > Material: copper, tin-plated
- > Insulation: nylon
- > Operating Temperature: -55 °C to +105 °C
- > Shrink temperature: 180 °C
- > Max. electrical load: 600 V



97 99 252

Article No.	EAN 4003773-	Cable mm <sup>2</sup>	AWG	Colour	
97 99 250	076315	0.75 – 1	22 – 16	red	100
97 99 251	076322	1.5 – 2.5	16 – 14	blue	100
97 99 252	076339	4 – 6	12 – 10	yellow	100

## Butt Connectors, insulated

- > Material: copper, tin-plated
- > Insulation: nylon
- > Max. temperature: 105 °C
- > Max. electrical load: 600 V



97 99 270

Article No.	EAN 4003773-	Cable mm <sup>2</sup>	AWG	Colour	
97 99 270	076346	0.75 – 1	22 – 16	red	100
97 99 271	076353	1.5 – 2.5	16 – 14	blue	100
97 99 272	076360	4 – 6	12 – 10	yellow	100

## Butt Connectors, non-insulated

- > Material: copper, galvanized
- > DIN 46341-B



97 99 290

Article No.	EAN 4003773-	Cable mm <sup>2</sup>	AWG	
97 99 290	076377	0.5 – 1	22 – 16	200
97 99 291	076384	1.5 – 2.5	16 – 14	200
97 99 292	076391	4 – 6	12 – 10	100
97 99 293	076407	10	8	100

## Wire ferrules with plastic collar


- > Insertion funnel made of polypropylene
- > Heat resistant up to 105 °C
- > Material: E-Cu
- > Surface electro tin plated
- > Minimum coating thickness 3 µm
- > UL-certified
- > DIN 46228



97 99 336



97 99 353

Article No.	EAN 4003773-	↔ mm	Length of crimp area mm	Cable mm <sup>2</sup>	AWG	Colour	
97 99 330	076414	14.0	8.0	0.5	20	white	200
97 99 331	076421	14.0	8.0	0.75	18	grey	200
97 99 335	076469	17.0	10.0	4	12	grey	200
97 99 332	076438	14.0	8.0	1	18	red	200
97 99 333	076445	14.0	8.0	1.5	16	black	200
97 99 334	076452	14.0	8.0	2.5	14	blue	200
97 99 336	076476	20.0	12.0	6	10	yellow	100
97 99 337	076483	22.0	12.0	10	8	red	100
97 99 338	076490	24.0	12.0	16	6	blue	100
97 99 339	076506	30.0	16.0	25	4	yellow	50
97 99 350	076513	16.0	10.0	0.5	20	white	200
97 99 351	076520	16.0	10.0	0.75	18	grey	200
97 99 352	076537	16.0	10.0	1	18	red	200
97 99 353	076544	16.0	10.0	1.5	16	black	200
97 99 354	076551	16.0	10.0	2.5	14	blue	200
97 99 355	076568	20.0	12.0	4	12	grey	200
97 99 356	076575	26.0	18.0	6	10	yellow	100
97 99 357	076582	28.0	18.0	10	8	red	100
97 99 358	076599	28.0	18.0	16	6	blue	100
97 99 359	076605	32.0	18.0	25	4	yellow	50

## Twin wire ferrules

### with plastic collar

- > Insertion funnel made of polypropylene
- > Heat resistant up to 105 °C
- > Material: E-Cu
- > Surface electro tin plated
- > Minimum coating thickness 3 µm
- > UL-certified




97 99 374


## Non-insulated wire ferrules

- > Material: E-Cu
- > Surface electro tin plated
- > Minimum coating thickness 3 µm
- > UL-certified
- > DIN 46228



97 99 390

Article No.	EAN 4003773-	↔ mm	Cable mm <sup>2</sup>	AWG	Colour	
97 99 370	076612	15.0	2 x 0.5	2 x 20	white	200
97 99 371	076629	16.0	2 x 0.75	2 x 18	grey	200
97 99 372	076636	15.0	2 x 1	2 x 18	red	200
97 99 373	076643	18.0	2 x 1.5	2 x 16	black	200
97 99 374	076650	18.0	2 x 2.5	2 x 14	blue	100
97 99 375	076667	23.0	2 x 4	2 x 12	grey	100
97 99 376	076674	26.0	2 x 6	2 x 10	yellow	50
97 99 377	076681	24.0	2 x 10	2 x 8	red	50
97 99 378	076698	29.0	2 x 16	2 x 6	blue	25

Article No.	EAN 4003773-	↔ mm	Cable mm <sup>2</sup>	AWG	
97 99 390	076704	6.0	0.5	20	200
97 99 391	076711	6.0	0.75	18	200
97 99 392	076728	6.0	1	18	200
97 99 393	076735	7.0	1.5	16	200
97 99 394	076742	7.0	2.5	14	200
97 99 395	076759	9.0	4	12	200
97 99 396	076766	12.0	6	10	100
97 99 397	076773	12.0	10	8	100
97 99 398	076780	12.0	16	6	100
97 99 399	076797	12.0	25	4	50

# Assortment Boxes

Practical dispenser box, stackable and reclosable

- > Handy, transparent dispenser box
- > Rotating lid with opening to remove individual wire ferrules
- > Format: Ø 90 mm, height 44 mm



97 99 905



97 99 908

97 99 910

Article No.	EAN 4003773-	↔ mm	Quantity	Cable mm <sup>2</sup>	AWG	Length of crimp area	Colour	Size Ø	⚖ g
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## with insulated wire ferrules

97 99 905	082446	10.0	30	0.25	24	6.0		Ø 90 x 44	70
		10.0	30	0.34	22	6.0		Ø 90 x 44	
		14.0	30	0.5	20	8.0	white	Ø 90 x 44	
		14.0	30	0.75	18	8.0	grey	Ø 90 x 44	
		14.0	30	1	17	8.0	red	Ø 90 x 44	
97 99 906	082453	14.0	50	0.5	20	8.0	white	Ø 90 x 44	95
		14.0	100	0.75	18	8.0	grey	Ø 90 x 44	
		14.0	100	1	17	8.0	red	Ø 90 x 44	
		14.0	100	1.5	15	8.0	black	Ø 90 x 44	
		14.0	50	2.5	13	8.0	blue	Ø 90 x 44	
97 99 907	082460	17.0	50	4	11	10.0	grey	Ø 90 x 44	90
		20.0	20	6	10	12.0	yellow	Ø 90 x 44	
		22.0	20	10	7	12.0	red	Ø 90 x 44	
		24.0	10	16	5	12.0	blue	Ø 90 x 44	

## with Twin wire ferrules

97 99 908	082477	16.0	50	0.75	18	8.0	grey	Ø 90 x 44	95
		15.0	50	1	17	8.0	red	Ø 90 x 44	
		18.0	50	1.5	15	10.0	black	Ø 90 x 44	
		18.0	50	2.5	13	9.0	blue	Ø 90 x 44	
97 99 909	082484	23.0	20	4	11	12.0	grey	Ø 90 x 44	85
		24.0	10	6	10	12.0	yellow	Ø 90 x 44	
		24.0	10	10	7	12.0	red	Ø 90 x 44	
		29.0	5	16	5	16.0	blue	Ø 90 x 44	

## with non-insulated wire ferrules

97 99 910	082491	6.0	500	0.5	20			Ø 90 x 44	145
		6.0	500	0.75	18			Ø 90 x 44	
		6.0	400	1	17			Ø 90 x 44	
		7.0	300	1.5	15			Ø 90 x 44	
		7.0	200	2.5	13			Ø 90 x 44	
97 99 911	082507	9.0	150	4	11			Ø 90 x 44	140
		12.0	75	6	10			Ø 90 x 44	
		12.0	75	10	7			Ø 90 x 44	
		12.0	50	16	5			Ø 90 x 44	



# INSULATED TOOLS

Pliers	216	Sockets	249
Precision Tweezers	231	Reversible Ratchet	250
Cable Shears	231	Torque Wrenches	250
Cable Cutters	236	Cable Knives	251
Crimping Pliers	238	Stripping Knives	251
Open-End Wrenches	240	Plastic Nose Pliers	252
Adjustable Wrench	241	Insulating clamps	253
Box Wrenches	241	Plastic Slip-On Caps	253
Nut Drivers	242	Self-Clamping Slip-On Caps	253
Screwdrivers	243	Electricians' Gloves	253
Sockets for Torx® screws	247	Cover cloths	254
T-handle	247	Stand Mats	254
Reversible Ratchets	248	PUK® Junior Hacksaw	254
Extension Bars	248	Tool cases and sets	255

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73 06 160



## Insulated tools are a matter of trust

Professionals trust their tools. This trust is vital when working on electrical installations. In this case, the electrician holding the pliers is also holding his life in his hands. Our insulated tools therefore not only meet statutory requirements, but also offer the greatest possible safety, reliability and performance.







### Regulated by standards

Only trained professionals are allowed to work on live installations. Such work is subject to strict occupational health and safety standards such as the German DIN VDE 0105 and the international EN 50110 and IEC 60364. In each case they must deploy special tools that have been specifically manufactured and tested for this work. Which requirements have to be met by tools used in live work is determined by DIN EN / IEC 60900. KNIPEX tools which bear the special mark **1000V** are approved for work up to 1000 V AC.

### Guaranteed individually checked

Every insulated tool undergoes, one by one, a dielectric strength at 10,000 V AC before we sell it. This means that work in the area up to 1,000 V AC has a safety buffer of ten times the permitted maximum limit. Other procedures check the reliability of the insulation towards heat, cold, tensile and impact force. In addition to the KNIPEX quality assurance team, external institutes and test centres such as the VDE guarantee that all VDE criteria have been satisfied. We go through this effort to safeguard the user. He trusts his well-being with our pliers, day in and day out. In return we want to give him the best possible safety at all times. We stand by this responsibility with our name on the insulation of KNIPEX tools.

### Strong beneath the insulation

The insulation provides safety when handling electrical installations, but it does not cut, grip or crimp. The mechanical properties of the basic tool, such as cutting performance, precision and stability, therefore style part of the overall quality of insulated tools.

With our insulated pliers, users can depend on the quality and durability of products from KNIPEX production. For assembly tools insulated by us, we use basic tools from tried and tested suppliers whose quality we subject to regular, stringent checks. The expert can rely on this double dependability of tool and insulation.



**Always comply with the currently valid regulations and observe the SAFETY INSTRUCTIONS given below:**

- > Insulated tools must be transported in a manner that will prevent any damage to the insulation.
- > Check before every use whether the insulation is damaged in any way, defective tools must be discarded.
- > Always keep your insulated tools clean and dry.
- > Wear protective goggles when working with cutting nippers or working overhead.
- > Always wear goggles or a facial mask when working on live equipment.
- > Make sure the workplace is clean and orderly, particularly when you are working on live installations.
- > Wear protective clothing and use SAFETY equipment (e.g. insulating gloves, insulating mats, protective covers) especially in confined working spaces.
- > Use only a tool with suitable dimensions. That will prevent slipping on the workpiece and unintentional contact with non-insulated parts.
- > Make sure that detached parts or cut-off ends of conductors do not fall onto live parts.

## Combination Pliers







### Chrome Vanadium

- For heavy duty use due to wear-resistant gripper jaws

- > With gripping zones for flat and round material, suitable for versatile use
- > With cutting edges for soft, hard and piano wire
- > Long cutting edges for thicker cables
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Particularly wear resistant gripping jaws; hardness of the gripping jaws approx. 53 HRC
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
- > DIN ISO 5746, DIN EN 60900, IEC 60900



01 06 160

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				
							Ø mm	Ø mm	Ø mm	mm²	Δ g
01 06 160	040729	160	  1000 V 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.0	1.5	10.0	16	220
01 06 190	040415	190	  1000 V 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.5	2.0	13.0	25	320

## High Leverage Combination Pliers

- 35 % less effort required than with conventional combination pliers
- With cutting edges (hardness approx. 63 HRC) for heavy duty
















- > Easier work due to optimised leverage
- > Easier cutting, powerful gripping, bending and pulling
- > Long cutting edges for thicker cables
- > With gripping zones for flat and round material, suitable for versatile use
- > Precise, minimal light gap between the gripping jaws to ensure optimal function of the cutting edges
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 63 HRC
- > High-grade special tool steel, forged, multi stage oil-hardened
- > DIN ISO 5746, DIN EN 60900, IEC 60900



02 06 180



02 07 225

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				
							Ø mm	Ø mm	Ø mm	mm²	Δ g
02 06 180	010012	180	  1000 V 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.5	2.0	11.5	16	247
02 06 200	010029	200	  1000 V 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.8	2.2	13.0	25	343
02 06 225	010036	225	  1000 V 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.0	2.5	14.0	25	425
02 07 200	022299	200	  1000 V 	chrome-plated	chrome-plated	with dipped insulation, VDE-tested	2.8	2.2	13.0	25	380
02 07 225	022305	225	  1000 V 	chrome-plated	chrome-plated	with dipped insulation, VDE-tested	3.0	2.5	14.0	25	486

# 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, multi stage oil-hardened
- > DIN ISO 5746, DIN EN 60900, IEC 60900

## 03 06 180 T\*

- > Pliers with integrated, insulated tether attachment point for a tool tether















03 06 180



03 06 180 T



03 07 200

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				⚖ g
							Ø mm	Ø mm	Ø mm	mm²	
03 06 160	021902	160	   1000 V 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.1	2.0	10.0	16	228
03 06 180	021926	180					3.4	2.2	12.0	16	264
03 06 200	033776	200					3.8	2.5	13.0	16	355
03 06 180 T	081395	180	   1000 V 	chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	3.4	2.2	12.0	16	270
03 07 160	015307	160	   1000 V 	chrome-plated	chrome-plated	with dipped insulation, VDE-tested	3.1	2.0	10.0	16	254
03 07 180	015314	180					3.4	2.2	12.0	16	285
03 07 200	015321	200					3.8	2.5	13.0	16	339
03 07 250	015345	250					3.8	2.5	15.0	25	597



\* Other tools with tethering can be found from page 294

# Needle-Nose Combination Pliers

- ▶ Easy cutting due to the high leverage joint
- ▶ Handy use when working in confined areas due to slim head design and pointed jaws (anti-twist)
- ▶ Gripping surfaces with special convex contour on one side for secure gripping of flat parts

- > The reliable and diverse combination pliers when out and about
- > With cutting edges for soft, medium-hard and hard wire
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC
- > Long service life and stable tips
- > Milled groove in the gripping area permits small parts such as nails, pins and bolts to be held and pulled
- > Forged from special tool steel, oil-hardened and tempered
- > High-grade special tool steel, forged, oil-hardened
- > DIN ISO 5746, DIN EN 60900, IEC 60900

## 08 22 145 T\* / 08 26 145 T\*

- > Pliers with integrated insulated tether attachment point for a tool tether



08 26 145



08 26 145 T



08 26 185



Slim head for ideal accessibility



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				
							Ø mm	Ø mm	Ø mm	mm²	g
08 26 145	079361	145		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.0	2.0	8.0	16	145
08 26 145 T	081401	145		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	3.0	2.0	8.0	16	155
08 26 185	088356	185		chrome-plated	polished	insulated with multi-component grips, VDE-tested	3.8	3.0	13.0	25	213



# Insulation Strippers

## universal

- > For single, multiple and fine stranded conductors with plastic or rubber insulation up to Ø 5.0 mm or 10 mm<sup>2</sup>
- > Easy adjustment to the required diameter of stranded wire with knurled screw and lock nut
- > Easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut
- > Special tool steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900

### 11 06 160 T

- > Pliers with integrated insulated tether attachment point for a tool tether



11 06 160



11 07 160

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Stripping capacities			Δ g
							Ø mm	mm <sup>2</sup>	AWG	
11 06 160	021933	160	1000 V	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	5.0	10	8	180
11 06 160 T	081418	160	1000 V	chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	5.0	10	8	180
11 07 160	015499	160	1000 V	chrome-plated	chrome-plated	with dipped insulation, VDE-tested	5.0	10	8	205
11 09 01	052326	Set of spare parts (screw and nut) for 11 160								

## KNIPEX StriX®

### Insulation strippers with cable shears

- ▶ Wire stripper with cable shears – two essential electrical installation tools in one pair of pliers

- > Integrated cable shears for the clean cutting of Cu- and Al-cables without crushing up to Ø 15 mm (5 x 2,5 mm<sup>2</sup>)
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 57 HRC
- > Universal adjustment of the stripping blades by means of a knurled screw
- > Slim dimensions for easy access
- > Stripping of single-, multi- and fine stranded conductors with plastic or rubber insulation up to Ø 5 mm or 10 mm<sup>2</sup> cross-section
- > Graduated jaw provides a visual orientation aid when stripping wire in standard lengths (11 mm and 16 mm)
- > High-grade special tool steel, forged, multi stage oil-hardened
- > DIN EN 60900, IEC 60900

### 13 66 180 T\*

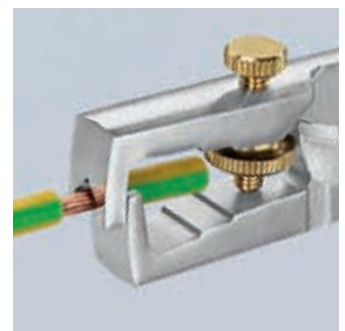
- > Pliers with integrated insulated tether attachment point for a tool tether



13 66 180



13 66 180 T



Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Stripping capacities			Δ g
						Ø mm	mm <sup>2</sup>	AWG	
13 66 180	081319	180	1000 V	chrome-plated	insulated with multi-component grips, VDE-tested	5.0	10	8	213
13 66 180 T	081906	180	1000 V	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	5.0	10	8	216
11 09 01	052326	Set of spare parts (screw and nut) for 11 XX 160							





# Stripping Pliers

- ▶ Multifunctional – cutting and stripping with one pair of pliers
- ▶ For time-saving stripping of all round sheathed and damp-proof installation cables (e.g. NYM cable)
- ▶ Simplified access especially into deep mounted junction boxes due to slim head design and optimally angled cable sheath cutter
- ▶ Strip cables easily and without damage due to circular cutting edge with depth limiter

- > Suitable for universal use: precision wire stripping holes for conductors from 1.5 and 2.5 mm<sup>2</sup>
- > With side cutters for cutting and trimming conductors, wires, small screws and nails
- > All cutting edges additionally induction-hardened to approx. 61 HRC for high wear resistance
- > 30 % lighter than comparable pliers
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN EN 60900, IEC 60900



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Stripping capacity Ø mm	Stripping capacities mm <sup>2</sup>	⦿ mm	◐ mm	⚖ g
13 46 165	079699	165	 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	8.0 – 13.0	0.75 – 1.5 / 2.5	3.2	2.2	190

## Diagonal Insulation Strippers



- ▶ With long cutter
- ▶ High cutting capacity due to high transmission ratio

- > Precision stripping holes for single 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>
- > Long tips for ultra fine cutting work also in confined areas
- > Induction-hardened precision blades, cutting edge hardness approx. 60 HRC
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN EN 60900, IEC 60900



14 26 160



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Stripping capacities mm <sup>2</sup>	AWG	Cutting capacities		
									Ø mm	Ø mm	g
14 26 160	040279	160	 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	1.5 / 2.5	16 / 14	2.5	1.5	238

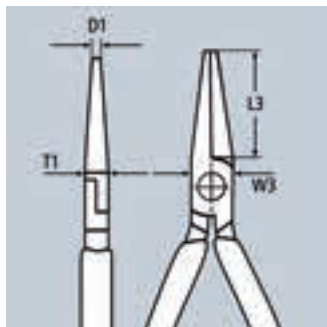
## Round Nose Pliers

- ▶ Round, short jaws, finely ground
- ▶ Suitable for bending and gripping of round working pieces

- > Ideal for bending wire loops
- > Special tool steel, forged, oil-hardened
- > DIN ISO 5745, DIN EN 60900, IEC 60900



22 06 160



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Dimensions				g
							L3 mm	W3 mm	D1 mm	T1 mm	
22 06 160	033790	160	 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	30.0	18.0	3.0	9.5	175

# Pliers for Electrical Installation

## Multi-Tool for electricians

- ▶ 6 functions in one pair of pliers
- ▶ To grip flat and round material, for bending, deburring, cutting cable, stripping and crimping wire ferrules
- > 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 gripping surfaces 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>
- > Crimping die for wire 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> / Ø 15 mm
- > Slim dimensions for easy access
- > Bolted joint: precise, zero backlash operation of pliers
- > High-grade special tool steel, forged, multi stage oil-hardened
- > DIN EN 60900, IEC 60900

### 13 96 200

- > In case of models with opening spring integrated in the joint, the activated locking lever keeps the cutting edges closed while other functions remain active; the intelligent latching mechanism enables you to "grip" without opening the pliers. The cutting edge remains closed and protected.

### 13 96 200 T\*

- > Pliers with integrated, insulated tether attachment point for a tool tether



13 86 200



13 96 200



13 96 200 T



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities		Stripping capacity for single strands mm <sup>2</sup>	Crimping capacities mm <sup>2</sup>	△ g
							Ø mm	mm <sup>2</sup>			
13 86 200	075097	200		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	272
13 96 200	075110	200		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	276
13 96 200 T	081425	200		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	15.0	50	0.75 – 1.5 / 2.5	0.5 – 2.5	278

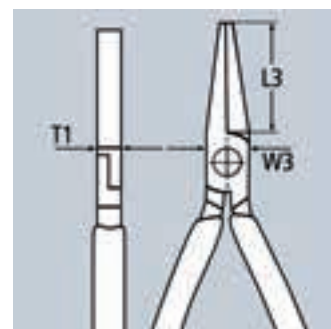
## Flat Nose Pliers


- ▶ Flat, short, wide jaws
- ▶ Suitable for gripping flat materials in easily accessible places

- > Knurled gripping surfaces
- > Special tool steel, forged, oil-hardened
- > DIN ISO 5745, DIN EN 60900, IEC 60900



20 06 160



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Dimensions			
							L3 mm	W3 mm	T1 mm	Δ g
20 06 160	033783	160		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	30,0	17,0	9,5	176

## Snipe Nose Side Cutting Pliers

(Radio Pliers)

- ▶ Half-round, long, tapered jaws
- ▶ Suitable for finer gripping and cutting work, also on easy and semi-difficult to reach areas

- > Knurled gripping surfaces
- > With cutting edges for soft, medium-hard and hard wire
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 5745, DIN EN 60900, IEC 60900



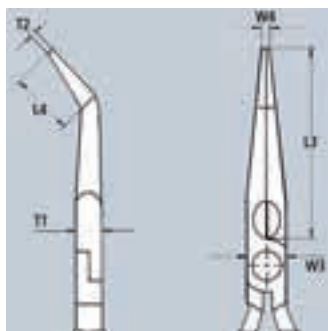
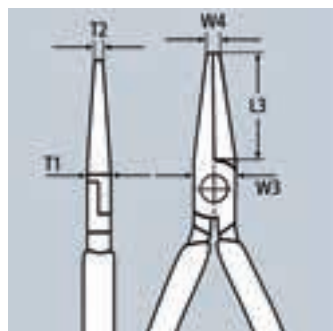
25 06 160








25 06 160 T



25 26 160



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities		Dimensions							 g
							Ø mm	Ø mm	L3 mm	L4 mm	W3 mm	T1 mm	W4 mm	T2 mm		
25 06 160	033806	160		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.5	1.6	50.0		16.5	9.0	3.0	2.5	146	
25 06 160 T	081432	160		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	2.5	1.6	50.0		16.5	9.0	3.0	2.5	155	
25 26 160	052111	160		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2.5	1.6	50.0	23.0	16.5	9.0	3.0	2.5	144	



# Snipe Nose Side Cutting Pliers

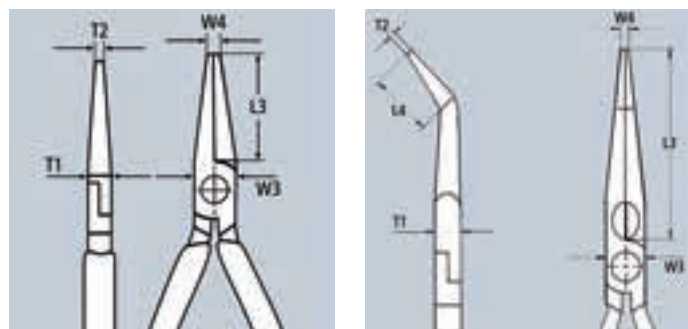
## (Stork Beak Pliers)

- ▶ Half-round, long, tapered jaws
- ▶ Distortion-tolerant, elastic precision tips
- ▶ Suitable for finer gripping and cutting work, also on easy and semi-difficult to reach areas

- > With cutting edges for soft, medium-hard and hard wire
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 5745, DIN EN 60900, IEC 60900

### 26 16 200 T / 26 26 200 T\*

- > Pliers with integrated insulated tether attachment point for a tool tether



26 16 200



26 16 200 T



26 17 200












26 26 200



26 26 200 T



26 27 200

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities		Dimensions							
							Ø mm	 Ø mm	L3 mm	L4 mm	W3 mm	T1 mm	W4 mm	T2 mm		
26 16 200	022831	200		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.2	2.2	73.0		18.0	9.5	3.0	2.5	206	
26 16 200 T	081449	200		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	3.2	2.2	73.0		18.0	9.5	3.0	2.5	215	
26 17 200	016069	200		chrome-plated	chrome-plated	with dipped insulation, VDE-tested	3.2	2.2	73.0		18.0	9.5	3.0	2.5	212	
26 26 200	022855	200		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	204	
26 26 200 T	081456	200		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	215	
26 27 200	016090	200		chrome-plated	chrome-plated	with dipped insulation, VDE-tested	3.2	2.2	73.0	23.0	18.0	9.5	3.0	2.5	220	



# Long Nose Pliers

## ► Heavy duty and wear resisting

- > Suitable for gripping in easily accessible places
- > Chrome vanadium electric steel, forged, oil-hardened
- > DIN ISO 5745, DIN EN 60900, IEC 60900

### Style 1

- > Long, trapezoidal jaws; knurled gripping surfaces

### Style 3

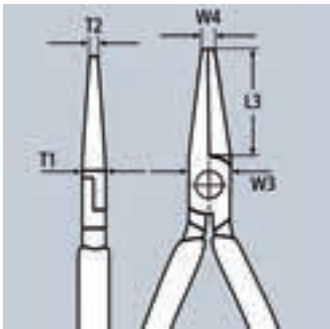
- > Long, round jaws; smooth gripping surfaces










30 16 160



30 36 160



Article No.	EAN 4003773-	↔ mm		Style	Pliers	Head	Handles	Dimensions					
								L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	Δ g
30 16 160	001904	160	   1000 V 	1	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	46.5	16.5	9.5	3.0	5.0	150
30 36 160	002123	160	 8  1000 V 	3	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	41.0	16.5	9.5	5.0	2.5	141

# Diagonal Cutters

## ► Narrow head style for use in confined areas

- > 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
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 5749, DIN EN 60900. IEC 60900

### 70 06 160 T / 70 06 180 T\*

- > Pliers with integrated, insulated tether attachment point for a tool tether



70 06 160



70 06 160 T



70 06 180



70 07 180



70 26 160



Clean cutting of thin copper wires, also at the cutting edge tips

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities			
							Ø mm	Ø mm	Ø mm	Δ g
70 06 125	018124	125		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.0	2.3	1.5	121
70 06 140	040293	140					4.0	2.5	1.8	160
70 06 160	021995	160					4.0	3.0	2.0	216
70 06 180	033813	180					4.0	3.0	2.5	254
70 06 160 T	081463	160		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	4.0	3.0	2.0	230
70 06 180 T	081470	180		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	4.0	3.0	2.5	270
70 07 160	018155	160		chrome-plated	chrome-plated	with dipped insulation, VDE-tested	4.0	3.0	2.0	227
70 07 180	018179	180					4.0	3.0	2.5	269
70 26 160	018223	160		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	4.0			216

# **KNIPEX X-Cut®**

## **Compact Diagonal Cutters** **high lever transmission**

- ▶ Cuts finest strands as well as multi-core cables and piano wires
- ▶ Powerful, light and universal
- > High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- > Box-joint design: highest stability with low weight
- > Doubly supported joint axis for heavy duty
- > Large opening width for thicker cables
- > Cuts precisely, even through fine copper wires
- > Compact, low-weight construction
- > Universally usable, in the assembly, maintenance and production
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
- > DIN ISO 5749, DIN EN 60900, IEC 60900

### **73 06 160 T\***

- > Pliers with integrated, insulated tether attachment point for a tool tether



73 06 160



73 06 160 T

### **40 % less effort required**

compared to standard or classic diagonal cutters.  
With double mounted hinged joint.

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities					g
							Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	
73 06 160	075141	160		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	4.8	3.8	2.7	2.2	12.0	175
73 06 160 T	081487	160		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	4.8	3.8	2.7	2.2	12.0	185

## **High Leverage Diagonal Cutters**

- > For very tough, continuous use
- > High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- > Precision cutting edges additionally induction-hardened (cutting edge hardness approx. 64 HRC), for all sorts of wire including piano wire
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
- > DIN ISO 5749, DIN EN 60900, IEC 60900

### **Length 250 mm**

- > The 250-mm-long diagonal cutter is suitable for copper conductors up to 16 mm² and aluminium conductors up to 35 mm²

### **74 06 250 T\***

- > Pliers with integrated insulated tether attachment point for a tool tether



74 06 200



74 07 200

### **20 % less effort required**

compared to classic diagonal cutters of the same length.  
With integrated forged joint axle.

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities			g
							Ø mm	Ø mm	Ø mm	
74 06 160	040705	160					3.4	2.5	2.0	215
74 06 180	022985	180		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	3.8	2.7	2.2	280
74 06 200	033820	200					4.2	3.0	2.5	304
74 06 250	041955	250					4.6	3.5	3.0	453
74 06 200 T	081494	200		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	4.2	3.0	2.5	305
74 06 250 T	081500	250					4.6	3.5	3.0	465
74 07 200	018414	200		chrome-plated	chrome-plated	with dipped insulation, VDE-tested	4.2	3.0	2.5	328
74 07 250	018421	250					4.6	3.5	3.0	510



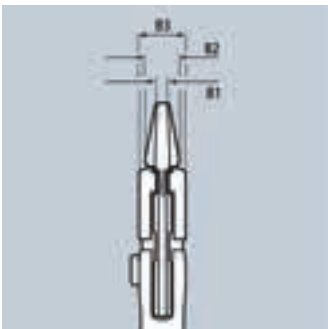
# Pliers Wrenches

## pliers and a wrench in a single tool

- ▶ Replaces the need for sets of metric and imperial spanners
  - ▶ Smooth jaws for damage free installation of plated fittings – working directly on chrome!
  - ▶ Practical adjustment scale:  
A laser-cut (metric and imperial) scale enables pre-setting to the width across flats
- > Great for gripping, holding, pressing and bending workpieces
- > Zero backlash jaw pressure prevents damage to edges of sensitive surfaces
- > No unintentional shift of the gripping jaws and no slipping of the joint
- > Parallel jaws give a more solid grip; its design allows flexible adjustment of all widths up to the specified maximum size
- > The ratchet mechanism allows quick and easy tightening and release of all bolted connections
- > High lever transmission for strong gripping power
- > Chrome vanadium electric steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900



86 06 250



Article No.	EAN	↔ mm		Pliers	Handles	 Inch	 mm	Adjustment positions	Dimensions			 g
									B1 mm	B2 mm	B3 mm	
86 06 250	082408	250		chrome-plated	insulated with multi-component grips, VDE-tested	2	52.0	19	8.0	8.0	14.0	525
87 09 01	074724	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)										



# **KNIPEX Cobra® VDE**

## **High-Tech Water Pump Pliers**

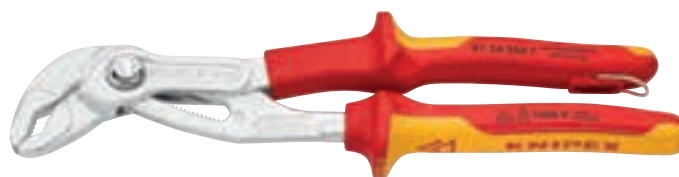
- > Adjustment by sliding one jaw directly on to the workpiece: fast, reliable and comfortable handling
- > Fine adjustment: allows optimum adjustment to differently sized workpieces and comfortable handle position
- > Good access to the workpiece due to slim size of head and joint area
- > Self-locking 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
- > Box-joint design for high stability due to double guide
- > Pinch guard prevents operators' fingers being pinched
- > Chrome vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 8976, DIN EN 60900, IEC 60900

### **87 26 250 T\***

- > Pliers with integrated insulated tether attachment point for a tool tether



**87 26 250**



**87 26 250 T**

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!



Quick setting without using a push-button



Just push the pliers handle to adjust!

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	∅ Inch	∅ mm	mm	Adjustment positions	g
<b>87 26 250</b>	071495	250		chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2	50.0	46.0	24	340
<b>87 26 250 T</b>	081517	250		chrome-plated	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	2	50.0	46.0	24	400
<b>87 29 01</b>	079002	Assortment of spare parts for 87 2X 250									

\* Other tools with tethering can be found from page 294

# KNIPEX Alligator®

## Water Pump Pliers







- ▶ Good access to the workpiece due to slim size of head and joint area
  - ▶ More output and comfort compared to conventional water pump pliers of the same length: 9-notch adjustment positioning for 30 % more gripping capacity
- > 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
  - > Box-joint design for high stability due to double guide
  - > Robust construction, insensitive to dirt; particularly suitable for outdoor work
  - > Pinch guard prevents operators' fingers being pinched
  - > Chrome vanadium electric steel, forged, multi stage oil-hardened
  - > DIN ISO 8976, DIN EN 60900, IEC 60900



88 06 250



88 07 250

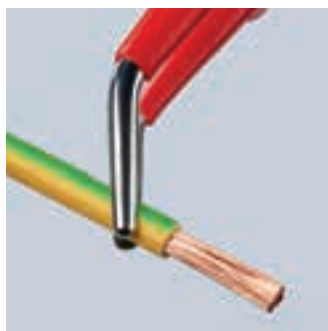
Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Ø Inch	Ø mm	mm	Adjustment positions	g
88 06 250	039303	250	 	chrome-plated	chrome-plated	insulated with multi-component grips, VDE-tested	2	50.0	46.0	9	374
88 07 250	019343	250	 	chrome-plated	chrome-plated	with dipped insulation, VDE-tested	2	50.0	46.0	9	420
88 07 300	022350	300	 	chrome-plated	chrome-plated		2 3/4	70.0	60.0	9	661



# Precision Tweezers

## insulated

- > With dipped insulation
- > With insulated handles for working on electrical installations: safety up to 1000 V
- > For a wide range of requirements and applications in the electronics industry
- > Antimagnetic to avoid electromagnetic damage
- > High-quality stainless steel: extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
- > Also available as a set (92 00 04)
- > Spring steel, high-strength
- > DIN EN 60900, IEC 60900



92 27 61



92 27 62



92 37 64



92 47 01



92 67 63

Article No.	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	g
92 27 61	054757	125 x 11 x 35	1000 V	with dipped insulation	straight	pointed	0.5 x 0.5	19
92 27 62	054764	150 x 8 x 40	1000 V	with dipped insulation	straight	pointed	1.0 x 1.3	23
92 37 64	054856	148 x 14 x 40	1000 V $\angle 30^\circ$	with dipped insulation	angled 30°	blunt	1.0 x 1.3	24
92 47 01	086963	142 x 16 x 38	1000 V $\angle 30^\circ$	with dipped insulation	angled 30°	blunt	1.3 x 3.0	43
92 67 63	054931	145 x 11 x 38	1000 V	with dipped insulation	straight	blunt	1.3 x 3.0	43


# Cable Shears

## handles extrusion plastic-coated

- > Not suitable for steel wire and hard drawn copper conductors
- > Precision-ground, hardened blades
- > No crushing, slight deformation of the cable only
- > Adjustable bolted joint
- > Shears body: surgical steel, stainless, vacuum-hardened
- > Handles: plastic, impact-proof
- > DIN EN 60900, IEC 60900



95 06 230

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities			
						Ø mm	mm²	AWG	g
95 06 230	006305	230	 1000 V 	polished	plastic insulated, VDE-tested	16.0	50	1 / 0	274

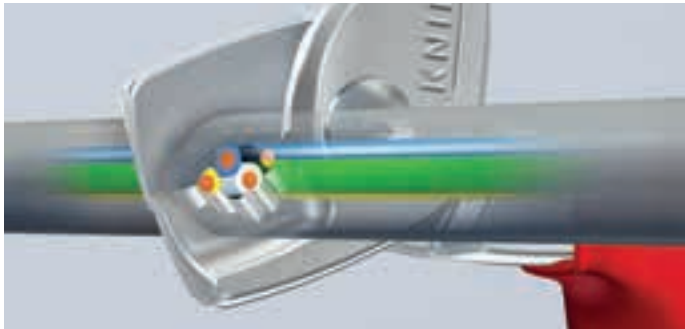
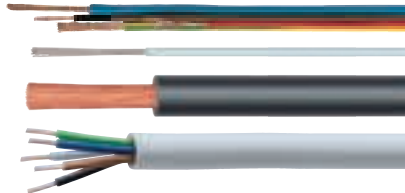


# KNIPEX StepCut®

## Cable shears with step cut

- ▶ Small, light, strong: comfortable cutting without crushing and just 160 mm in size
- ▶ Noticeably less effort: the gradations cut wires one after the other; cutting is up to 40 % easier than with standard cable shears of the same length!
- ▶ Ergonomic handle design: optimal cutting feel even for larger cable diameters

- > Cuts multi-core stranded copper and aluminium cables up to Ø 15 mm (50 mm²)
- > Cuts solid copper and aluminium cables up to 5 x 4 mm²
- > Cuts without crushing
- > Bolted joint: precise, effortless, durable
- > Pinch guard prevents operators' fingers being pinched
- > Not suitable for steel wire and hard drawn copper conductors
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 56 HRC
- > High-grade special tool steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900



Article No.	EAN	↔ mm		Head	Handles	Cutting capacities		AWG	⚖ g
						Ø mm	mm²		
95 16 160	085966	160	1000 V	chrome-plated	insulated with multi-component grips, VDE-tested	15.0	50	1 / 0	225

# Cable Shears

- ▶ Clean and smooth cut without crushing and deformation
- ▶ Easy cutting with one-hand operation
- ▶ Adjustable bolted joint, self-retaining screw

- > Cuts multi-core stranded copper and aluminium cables up to Ø 15 mm (50 mm²)
- > Not suitable for steel wire and hard drawn copper conductors
- > Precision-ground, hardened blades
- > With guard
- > High-grade special tool steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900

## Style 1

- > Base

## Style 2

- > Internal opening spring, protected and captive
- > Retainer

### 95 16 165 T\*

- > Pliers with integrated, insulated tether attachment point for a tool tether



95 16 165



95 16 165 T



95 26 165



Cut performed with a Cable Shear: easy, clean cut without any deformation of the cable



95 26 165: Catch locks shears with internal opening spring



Article No.	EAN	↔ mm		Style	Tool	Handles	Cutting capacities			Δ g
							Ø mm	mm²	AWG	
95 16 165	039648	165	1000 V	1	chrome-plated	insulated with multi-component grips, VDE-tested	15,0	50	1 / 0	262
95 16 165 T	081524	165	1000 V	1	chrome-plated	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	15,0	50	1 / 0	260
95 26 165	069980	165	1000 V	2	chrome-plated	insulated with multi-component grips, VDE-tested	15,0	50	1 / 0	275

\* Other tools with tethering can be found from page 294

# Cable Shears

with twin cutting edge

- ▶ Clean and smooth cut without crushing and deformation
- ▶ By dividing the cutting actions into initial cut (insulating sheath in the front cutting area) and final cut (conductor in the back cutting area), cables up to Ø 20 mm can be cut in one-hand operation
- ▶ Pinch guard prevents operators' fingers being pinched

- > For cutting copper and aluminium cables up to Ø 20 mm (70 mm²)
- > Not suitable for steel wire and hard drawn copper conductors
- > Precision-ground, hardened blades
- > Low handforce required due to favourable lever ratio and special blade geometry
- > Adjustable bolted joint, self-retaining screw
- > High-grade special tool steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900



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		Tool	Handles	Cutting capacities		AWG	⚖ g
						⊗ Ø mm	⊗ mm²		
95 16 200	026761	200	⚡ 1000 V	chrome-plated	insulated with multi-component grips, VDE-tested	20.0	70	2 / 0	340
95 17 200	026952	200	⚡ 1000 V	chrome-plated	with dipped insulation, VDE-tested	20.0	70	2 / 0	360



# Cable Shears

## for two-hand operation

### ► Low weight, high leverage

- > Low handforce required due to favourable lever ratio and special blade geometry
- > For cutting copper and aluminium single conductors as well as multiple stranded cables
- > Precision-ground, hardened blades
- > Clean and smooth cut without crushing and deformation
- > Not suitable for steel wire and wire ropes
- > Pinch guard prevents operators' fingers being pinched
- > Adjustable bolted joint
- > Cutter head: vanadium electric steel, forged, oil-hardened
- > Handles: aluminium tube, high-strength
- > DIN EN 60900, IEC 60900



95 17 500



Large cutting capacity:  
max. Ø 27 mm / 150 mm²

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities		AWG	g
						Ø mm	mm²		
95 17 500	026785	500	1000 V	polished	with dipped insulation, VDE-tested	27.0	150	6 / 0	1477

# Cable Shears

## for two-hand operation

### ► Favourable lever ratio due to toggle lever

- > 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
- > Pinch guard prevents operators' fingers being pinched
- > Adjustable bolted joint
- > Bolted cutter head, replaceable
- > Handles: steel tube
- > Cutter head: high-grade chrome vanadium electric steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900



95 27 600

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities		AWG	g
						Ø mm	mm²		
95 27 600	021797	600	1000 V	polished	with dipped insulation, VDE-tested	27.0	150	6 / 0	2262
95 29 600	021803	Spare cutter head for 95 21 600 / 95 27 600							



# Cable Cutters

(ratchet mechanism)

- ▶ Little handforce required due to very high transmission ratio
- ▶ Simple handling as a result of low weight and compact design – can be used even in confined areas

- > Not suitable for steel wire, wire ropes and fine-stranded (highly flexible) conductors
- > Precision-ground, hardened blades
- > Clean and smooth cut without crushing and deformation
- > One-hand operation using ratchet mechanism
- > Two-stage ratchet drive for easy cutting
- > Pinch guard prevents operators' fingers being pinched
- > High-grade special tool steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900

## 95 36 250

- > For cutting copper and aluminium single conductors as well as multiple stranded cables, up to Ø 32 mm (240 mm²)

## 95 36 280

- > Suitable for aluminium sector cable up to 4 x 150 mm²
- > for cutting copper and aluminium single conductors as well as multiple stranded cables, up to Ø 52 mm (380 mm²)



95 36 250



95 36 280



Ratchet mechanism and two-stage ratchet drive for easier cutting



Article No.	EAN 4003773-	↔ mm		Tool	Handles	Cutting capacities		MCM	⚖ g
						⚙ Ø mm	⚙ mm²		
95 36 250	026884	250	⚡ 1000 V	black lacquered	insulated with multi-component grips, VDE-tested	32.0	240	500	652
95 36 280	026891	280	⚡ 1000 V	black lacquered	insulated with multi-component grips, VDE-tested	52.0	380	750	835
95 39 04	039167	Feed pawl for 95 3 250/280							
95 39 08 S	039211	Tension spring set for lateral mounting 95 36 25/28							
95 39 250	022244	Movable spare blade for 95 31 250 / 95 36 250							
95 39 280	025283	Movable spare blade for 95 31 280 / 95 36 280							

# Cable Cutters



(ratchet mechanism, 3-stage)

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

- > Fixed handle with support area for putting down the pliers when cutting
- > Easy handling due to low weight (825 g) and compact construction (320 mm length) – also usable in confined areas
- > Cuts through copper and aluminium cables up to Ø 60 mm in one-hand and two-hand operation
- > Hardened, precision-ground cutting edges cut smoothly and neatly without crushing
- > For cutting copper and aluminium single conductors as well as multiple stranded cables
- > Innovative three-stage ratchet-drive with high leverage for easy cutting in one-hand and two-hand operation
- > Not suitable for steel wire, wire ropes and fine-stranded (highly flexible) conductors
- > High-grade special tool steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900



95 36 320

Article No.	EAN 4003773-	↔ mm		Tool	Head	Handles	Cutting capacities			
							Ø mm	mm²	MCM	g
95 36 320	075189	320	 	black atramentized	polished	insulated with multi-component grips, VDE-tested	60.0	600	1200	830
95 39 320 01	075714	Pivot cutter repair kit for 95 32 320 and 95 36 320								
95 39 320 02	075721	Fixed cutter repair kit for 95 32 320 and 95 36 320								

# Cable Cutters

(ratchet mechanism)

for steel wire armoured cables (SWA cable)



- ▶ Cuts through steel wire armoured cables up to Ø 45 mm / 380 mm² (e.g. 4 x 95 mm²) using one or two-handed operation
- ▶ Sturdy. Easy to use. Stable.

- > Simple handling due to low weight (800 g) and compact design (315 mm length) – can also be used in confined areas
- > Precision-ground blades and induction-hardened cutting edges cut smoothly and neatly without crushing
- > Innovative high leverage three-stage ratchet-drive
- > Support area for putting down the pliers when cutting
- > Not suitable for cutting ACSR cable and wire rope!
- > Cutter head: special high-grade tool steel, forged, oil-hardened
- > IEC 60900, DIN EN 60900



95 36 315 A



Article No.	EAN 4003773-	↔ mm		Tool	Handles	Cutting capacities		MCM	g
						Ø mm	mm²		
95 36 315 A	078579	315	 	black lacquered	insulated with multi-component grips, VDE-tested	45.0	380	750	800
95 39 315 A01	078586	Pivot cutter repair kit for 95 32 315 A and 95 36 315 A							
95 39 315 A02	078593	Fixed cutter repair kit for 95 32 315 A and 95 36 315 A							

## Crimping Pliers for wire ferrules

### with trapezoid crimp

- > For crimping wire ferrules according to 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
- > DIN EN 60900, IEC 60900



97 68 145 A



Article No.	EAN	↔ mm			Head	Handles	Capacity mm²	AWG	⚖ g
97 68 145 A	071754	145			polished	insulated with multi-component grips, VDE-tested	0.25 – 2.5	24 – 14	175

## Crimping Pliers for wire ferrules

### with mandrel crimp

- ▶ Light and slim design
- ▶ Easy crimping due to optimised transmission ratio

- > For crimping wire ferrules according to DIN 46228 parts 1 + 4 from 0.25 to 16 mm<sup>2</sup>
- > Crimping in marked half-round dies for reliable connections between the sleeve and the conductor
- > 9 particularly deep dies with conical side faces
- > Special tool steel, forged, oil-hardened
- > DIN EN 60900
- > IEC 60900











97 78 180



97 78 180 T

#### 97 78 180 T\*

- > Pliers with integrated, insulated tether attachment point for a tool tether

Article No.	EAN 4003773-	↔ mm			Head	Handles	Application	Capacity mm <sup>2</sup>	AWG	⚖ g	
97 78 180	072003	180			 1000 V 	polished	insulated with multi-component grips, VDE-tested	Wire ferrules	0.25 – 16	24 – 6	254
97 78 180 T	081531	180			 1000 V 	polished	insulated with multi-component grips with integrated insulated tether attachment point, VDE tested	Wire ferrules	0.25 – 16	24 – 6	260







# Open-End Wrenches

- > Jaw 15° angled
- > Basic tool chrome-plated
- > Chrome vanadium steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900



98 00 14



Article No.	EAN 4003773-		Width across flats S mm	Width across flats S Inch	Length l max. mm	Head width b max. mm	Head thickness a max. mm	△ g
98 00 07	019824	⚡ 1000V	7.0		105.0	20.0	4.0	15
98 00 08	019831		8.0		105.0	22.0	4.0	31
98 00 09	019848		9.0		105.0	24.0	4.0	29
98 00 10	019893		10.0		105.0	27.0	5.0	46
98 00 11	019909		11.0		120.0	30.0	5.5	45
98 00 12	019923		12.0		125.0	32.0	5.5	70
98 00 13	019930		13.0		130.0	34.0	6.5	68
98 00 14	019947		14.0		135.0	35.0	6.5	86
98 00 15	019954		15.0		145.0	37.0	7.0	80
98 00 16	019961		16.0		155.0	38.0	7.0	112
98 00 17	019978		17.0		155.0	42.0	8.0	119
98 00 18	019985		18.0		160.0	44.0	8.0	149
98 00 19	019992		19.0		165.0	47.0	9.0	154
98 00 22	020004		22.0		190.0	52.0	9.0	216
98 00 24	020011		24.0		210.0	56.0	9.0	290
98 00 27	020028		27.0	1	215.0	63.0	9.0	307
98 00 1/4"	019886			1/4	108.0	20.0	4.0	32
98 00 5/16"	020073			5/16	108.0	22.0	4.0	36
98 00 3/8"	020042			3/8	108.0	27.0	5.0	37
98 00 7/16"	020097			7/16	120.7	30.0	5.5	53
98 00 1/2"	019879			1/2	139.7	34.0	6.5	70
98 00 9/16"	020110			9/16	152.4	35.0	6.5	102
98 00 5/8"	020080			5/8	165.1	38.0	7.0	124
98 00 3/4"	020035			3/4	190.5	47.0	9.0	164







## Adjustable Wrench

- > Parallel smooth gripping jaws
- > Variable gripping width
- > With scaling for presetting the width apart from the workpiece
- > Chrome vanadium steel
- > DIN EN 60900, IEC 60900



98 07 250



Article No.	EAN 4003773-	↔ mm		Tool	Handle	 mm	 Inch	Jaw width mm	Head width (W3) mm	Width mm	Depth mm	 g
98 07 250	071518	260	  $\angle 22^\circ$  1000 V	chrome-plated	with dipped insulation	30,0	1 1/8	8,0	16,0	73,0	20,0	545



## Box Wrenches

- > Cranked
- > Basic tool chrome-plated
- > Chrome vanadium steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900



98 01 14



Article No.	EAN 4003773-		Width across flats S mm	Length l max. mm	Head width b max. mm	Head thickness a max. mm	Depth of crank h max. mm	 g
98 01 07	020134	  1000 V	7.0	150.0	12.0	7.0	18.0	55
98 01 08	020141		8.0	155.0	14.0	7.0	19.0	68
98 01 09	020158		9.0	165.0	15.5	8.0	19.0	78
98 01 10	020196		10.0	160.0	17.0	9.0	20.0	75
98 01 11	020202		11.0	165.0	18.5	10.0	21.0	93
98 01 12	020226		12.0	185.0	18.5	10.0	23.0	118
98 01 13	020233		13.0	185.0	21.5	11.0	23.0	125
98 01 14	020240		14.0	195.0	23.0	12.0	24.0	147
98 01 15	020257		15.0	200.0	24.0	12.0	24.0	143
98 01 16	020264		16.0	200.0	26.0	12.0	26.0	172
98 01 17	020271		17.0	205.0	27.0	13.0	26.0	184
98 01 18	020288		18.0	210.0	29.0	13.0	28.0	210
98 01 19	020295		19.0	225.0	30.0	14.0	28.0	245
98 01 22	020301		22.0	225.0	35.0	15.0	30.0	278
98 01 24	020318		24.0	265.0	38.0	16.0	30.0	415


# Nut Drivers

## with screwdriver handle

- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900



98 03 10

Article No.	EAN 4003773-	↔		Tip	Handle	Width across flats S mm	Blade length mm	Handle length mm	Head dia. d mm	⚖ g
98 03 04	071679	230	 1000 V	burnished	insulated with multi-component grips, VDE-tested	4.0	125.0	107.0	9.0	70
98 03 05	071686	230				5.0	125.0	107.0	10.0	70
98 03 055	026082	232				5.5	125.0	107.0	11.0	87
98 03 06	026099	232				6.0	125.0	107.0	12.0	88
98 03 07	026105	237				7.0	125.0	112.0	14.0	123
98 03 08	024095	237				8.0	125.0	112.0	15.0	125
98 03 09	026112	237				9.0	125.0	112.0	16.0	129
98 03 10	026129	237				10.0	125.0	112.0	17.0	118
98 03 11	026136	237				11.0	125.0	112.0	19.0	148
98 03 12	026143	237				12.0	125.0	112.0	20.0	150
98 03 13	026150	237				13.0	125.0	112.0	21.0	152

# Nut Drivers

## with T-handle



- > Special tool steel, oil-hardened
- > DIN EN 60900, IEC 60900



98 04 13



98 05 13


Article No.	EAN 4003773-	↔ mm		Width across flats S mm	Handle length mm	Head dia. d mm	⚖ g
98 04 08	071341	200	 1000 V	8.0	90.0	15.0	344
98 04 10	026167	200		10.0	155.0	19.5	324
98 04 13	026198	200		13.0	155.0	23.5	344
98 04 17	026211	200		17.0	155.0	28.5	426
98 04 19	020424	200		19.0	155.0	31.0	525
98 04 22	026228	200		22.0	155.0	34.5	560
98 05 13	026273	300	 1000 V	13.0	155.0	23.5	409
98 05 17	026297	300		17.0	155.0	28.5	544
98 05 19	026303	300		19.0	155.0	31.0	674

## Screwdrivers for Robertson screws

- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900



98 12 02


Article No.	EAN 4003773-	↔ mm		Tip	Handle	Screwdriver Size	△ g
98 12 01	086178	185	⚡ 1000 V 	burnished	insulated with multi-component grips, VDE-tested	R1	60
98 12 02	086185	210				R2	95

## Screwdrivers for hexagon socket screws

- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900



98 13 30

Article No.	EAN 4003773-	↔ mm		Tip	Handle	Width across flats S mm	Blade length mm	Length of non-insulated blade mm	Handle length mm	△ g
98 13 20	071693	175	⚡ 1000 V 	burnished	insulated with multi-component grips, VDE-tested	2.0	75.0	15.0	102.0	40
98 13 25	026334	177				2.5	75.0	15.0	102.0	32
98 13 30	026341	182				3.0	75.0	15.0	107.0	49
98 13 40	026358	182				4.0	75.0	15.0	107.0	55
98 13 50	026365	187				5.0	75.0	15.0	112.0	82
98 13 60	026372	212				6.0	100.0	15.0	112.0	98

## Screwdrivers for hexagon socket screws with T-handle

- > Special tool steel, oil-hardened
- > DIN EN 60900, IEC 60900



98 14 08



98 15 08

Article No.	EAN 4003773-	↔ mm		Width across flats S mm	Length of non-insulated blade ± 2 mm	T-Handle length mm	△ g
98 14 05	020431	120	⚡ 1000 V	5.0	9.0	90.0	220
98 14 06	020448	120		6.0	10.0	90.0	208
98 14 08	020455	120		8.0	11.0	90.0	286
98 15 05	020479	250	⚡ 1000 V	5.0	9.0	90.0	363
98 15 06	020486	250		6.0	10.0	90.0	452
98 15 08	020493	250		8.0	11.0	90.0	359



# Screwdriver for slotted screws

- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900



98 20 55



98 21 45

Article No.	EAN 4003773-	↔ mm		Tip	Handle	Blade width mm	Blade thickness mm	Blade length mm	Length of non-insulated blade mm	Handle length mm	⚖ g
98 20 10	026396	320		burnished	insulating multi-component handle, VDE-tested	10.0	1.6	200.0	15.0	120.0	184
98 20 25	062325	177				2.5	0.4	75.0	15.0	102.0	32
98 20 30	062332	202				3.0	0.5	100.0	15.0	102.0	35
98 20 35	024217	202				3.5	0.6	100.0	15.0	102.0	35
98 20 40	026402	202				4.0	0.8	100.0	15.0	102.0	38
98 20 55	024224	232				5.5	1.0	125.0	15.0	107.0	69
98 20 65	026419	262				6.5	1.2	150.0	15.0	112.0	105
98 20 80	024231	295				8.0	1.2	175.0	15.0	120.0	152
98 21 45	026426	287				4.5	0.8	180.0	15.0	107.0	66

# Screwdrivers (Slim) for slotted screws

- > Reduced extra slim shaft in the front area for recessed spring and screw elements
- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900



98 20 65 SL

Article No.	EAN 4003773-	↔ mm		Tip	Handle	Blade width mm	Blade thickness mm	Blade length mm	Length of non-insulated blade mm	Handle length mm	⚖ g
98 20 35 SL	079712	202		burnished	insulating multi-component handle, VDE-tested	3.5	0.6	100.0	15.0	102.0	35
98 20 40 SL	079729	202				4.0	0.8	100.0	15.0	102.0	38
98 20 55 SL	079736	232				5.5	1.0	125.0	15.0	107.0	69
98 20 65 SL	079743	262				6.5	1.2	150.0	15.0	112.0	105

# Screwdrivers for cross-recessed screws

## Phillips®

- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900



98 24 03

Article No.	EAN 4003773-	↔ mm		Tip	Handle	Size	Blade length mm	Length of non-insulated blade mm	Handle length mm	⚖ g
98 24 00	026433	162		burnished	insulating multi-component handle, VDE-tested	PH0	60.0	15.0	102.0	32
98 24 01	026440	187				PH1	80.0	15.0	107.0	58
98 24 02	026457	212				PH2	100.0	18.0	112.0	94
98 24 03	026464	270				PH3	150.0	18.0	120.0	165
98 24 04	026471	320				PH4	200.0	18.0	120.0	244

## Screwdrivers (Slim) for cross-recessed screws

### Phillips®

- > Reduced extra slim shaft in the front area for recessed spring and screw elements
- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900



Article No.	EAN 4003773-	↔ mm		Tip	Handle	Size	Blade length mm	Length of non-insulated blade mm	Handle length mm	⚖ g
98 24 01 SL	079750	187	⚡ 1000 V	burnished	insulating multi-component handle, VDE-tested	PH1	80.0	15.0	107.0	58
98 24 02 SL	079767	212				PH2	100.0	18.0	112.0	94

## Screwdrivers (Slim) Plus/Minus

### Phillips®

- > Driving tips for PlusMinus profile screws
- > Use with electronics installation components, e.g. automatic circuit breakers
- > Reduced extra slim shaft in the front area for recessed spring and screw elements
- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900



Article No.	EAN 4003773-	↔ mm		Tip	Handle	Size	Blade length mm	Length of non-insulated blade mm	Handle length mm	⚖ g
98 24 01 SLS	081036	187	⚡ 1000 V	burnished	insulating multi-component handle, VDE-tested	PH/S 1	80.0	15.0	107.0	56
98 24 02 SLS	081043	212				PH/S 2	100.0	18.0	112.0	90

## Screwdrivers for cross-recessed screws

### Pozidriv®

- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900




Article No.	EAN 4003773-	↔ mm		Tip	Handle	Size	Blade length mm	Length of non-insulated blade mm	Handle length mm	⚖ g
98 25 00	062370	162	⚡ 1000 V	burnished	insulating multi-component handle, VDE-tested	PZ0	60.0	15.0	102.0	32
98 25 01	031260	187				PZ1	80.0	15.0	107.0	58
98 25 02	031277	212				PZ2	100.0	18.0	112.0	90
98 25 03	031284	270				PZ3	150.0	18.0	120.0	167
98 25 04	062387	320				PZ4	200.0	18.0	120.0	245

# Screwdrivers (Slim) for cross-recessed screws

## Pozidriv®

- > Reduced extra slim shaft in the front area for recessed spring and screw elements
- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900


Article No.	EAN 4003773-	↔ mm		Tip	Handle	Size	Blade length mm	Length of non-insulated blade mm	Handle length mm	⚖ g
98 25 01 SL	079774	187	 1000 V	burnished	insulating multi-component handle, VDE-tested	PZ1	80.0	15.0	107.0	56
98 25 02 SL	079781	212				PZ2	100.0	18.0	112.0	90



# Screwdrivers (Slim) Plus/Minus

## Pozidriv®


- > Driving tips for PlusMinus profile screws
- > Use with electronics installation components, e.g. automatic circuit breakers
- > Reduced extra slim shaft in the front area for recessed spring and screw elements
- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900

Article No.	EAN 4003773-	↔ mm		Tip	Handle	Size	Blade length mm	Length of non-insulated blade mm	Handle length mm	⚖ g
98 25 01 SLS	081050	187	 1000 V	burnished	insulating multi-component handle, VDE-tested	PZ/S 1	80.0	15.0	107.0	55
98 25 02 SLS	081067	212				PZ/S 2	100.0	18.0	118.0	89



# Screwdrivers for Torx® screws

- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > Handle design prevents rolling
- > Chrome vanadium molybdenum steel
- > DIN EN 60900, IEC 60900

Article No.	EAN 4003773-	↔ mm		Tip	Handle	Size	Blade length mm	Length of non-insulated blade mm	Handle length mm	⚖ g
98 26 10	071709	160	 1000 V	burnished	insulating multi-component handle, VDE-tested	TX10	60.0	15.0	102.0	32
98 26 15	071716	185				TX15	80.0	15.0	107.0	58
98 26 20	071723	185				TX20	80.0	15.0	107.0	58
98 26 25	071730	185				TX25	80.0	15.0	107.0	58
98 26 30	071747	210				TX30	100.0	18.0	112.0	94



# Sockets for Torx® screws

with internal square 3/8"

- > Basic tool chrome-plated
- > Special tool steel
- > DIN EN 60900, IEC 60900



98 29 25



98 29 30



98 29 50

Article No.	EAN 4003773-	↔ mm		Size	⚖ g
98 29 25	084600	123	⚡ 1000 V	TX25	58
98 29 27	084617	123	⚡ 1000 V	TX27	58
98 29 30	084624	123	⚡ 1000 V	TX30	59
98 29 40	084631	123	⚡ 1000 V	TX40	59
98 29 45	084648	117	⚡ 1000 V	TX45	109
98 29 50	084655	117	⚡ 1000 V	TX50	111

# T-handle

with driving square 3/8" or 1/2"

- > For use with sockets
- > Quick, easy and reliable locking of attached sockets due to spring-loaded ball
- > Basic tool chrome-plated
- > High-grade special tool steel, forged, oil-hardened
- > DIN EN 60900, IEC 60900



98 30



98 40

Article No.	EAN 4003773-	↔ mm		T-Handle Drive mm	Square drive Inch	⚖ g
98 30	026488	200	⚡ 1000 V	165.0	3/8	447
98 40	026501	200	⚡ 1000 V	165.0	1/2	631



# Reversible Ratchets

with driving square 3/8" or 1/2"

- > For use with sockets
- > Reversible for clockwise and anti-clockwise directions
- > Extremely smooth action
- > Quick, easy and reliable locking of attached sockets due to spring-loaded ball
- > Chrome vanadium steel, forged
- > DIN EN 60900, IEC 60900



98 31



98 41



Article No.	EAN 4003773-	↔ mm		Square drive Inch	⚖ g
98 31	026495	190	⚡ 1000 V	3/8	324
98 41	026518	265	⚡ 1000 V	1/2	625

# Extension Bars

with internal and driving square 3/8" or 1/2"

- > For use with sockets
- > With internal and external square
- > Quick, easy and reliable locking of attached sockets due to spring-loaded ball
- > Chrome vanadium steel, forged
- > DIN EN 60900, IEC 60900



98 35 125



98 45 250

Article No.	EAN 4003773-	↔ mm		Square drive Inch	⚖ g
98 35 125	020530	125	⚡ 1000 V	3/8	149
98 35 250	020547	250		3/8	294
98 45 125	020813	125	⚡ 1000 V	1/2	258
98 45 250	020820	250		1/2	490

# Hexagon Sockets for hexagonal screws

## for internal square 3/8" or 1/2"

- > For metric hexagonal head screws
- > Basic tool chrome-plated
- > Chrome vanadium steel
- > DIN EN 60900, IEC 60900



98 47 17

Article No.	EAN 4003773-	↔ mm		Width across flats S mm	Ø of effective tool side d max. mm	Square drive Inch	⚖ g
98 37 10	020578	42	⚡ 1000 V	10.0	18.7	3/8	32
98 37 11	020585	43		11.0	20.0	3/8	32
98 37 12	020608	44		12.0	21.2	3/8	33
98 37 13	020615	45		13.0	22.5	3/8	33
98 37 14	020622	46		14.0	23.7	3/8	39
98 37 16	027263	46		16.0	26.2	3/8	53
98 37 17	020639	46		17.0	27.5	3/8	61
98 37 19	020646	49		19.0	30.0	3/8	73
98 47 10	020882	54	⚡ 1000 V	10.0	19.5	1/2	63
98 47 11	020899	54		11.0	20.7	1/2	61
98 47 12	020912	55		12.0	23.0	1/2	64
98 47 13	020929	55		13.0	23.2	1/2	64
98 47 14	020943	55		14.0	24.5	1/2	67
98 47 16	027287	55		16.0	26.9	1/2	69
98 47 17	020967	55		17.0	28.2	1/2	75
98 47 18	027294	55		18.0	29.0	1/2	81
98 47 19	020974	54		19.0	30.7	1/2	99
98 47 22	020981	58		22.0	34.5	1/2	125
98 47 24	020998	61		24.0	37.0	1/2	151
98 47 27	021001	63		27.0	41.0	1/2	183

# 12-Point Sockets

## for internal square 3/8" or 1/2"

- > For imperial hexagonal head screws
- > Basic tool chrome-plated
- > With double-hex
- > Chrome vanadium steel
- > DIN EN 60900, IEC 60900



98 37 5

Article No.	EAN 4003773-	↔ mm		Width across flats S Inch	Ø of effective tool side d max. mm	Square drive Inch	⚖ g
98 37 5/16"	020684	42	⚡ 1000 V	5/16	16.2	3/8	30
98 37 3/8"	020677	42		3/8	18.7	3/8	31
98 37 7/16"	020707	43		7/16	20.0	3/8	31
98 37 1/2"	020554	45		1/2	22.5	3/8	33
98 37 9/16"	020721	47		9/16	23.7	3/8	39
98 37 5/8"	020691	46		5/8	26.2	3/8	51
98 37 3/4"	020660	49		3/4	30.0	3/8	71
98 47 1/2"	020875	55	⚡ 1000 V	1/2	23.2	1/2	67
98 47 9/16"	021094	55		9/16	24.5	1/2	64
98 47 5/8"	021063	55		5/8	26.9	1/2	72
98 47 11/16"	020905	55		11/16	28.2	1/2	88
98 47 3/4"	021018	55		3/4	30.7	1/2	97
98 47 7/8"	021087	58		7/8	34.5	1/2	124
98 47 1"	020868	61		1	41.0	1/2	167

# Hexagon Sockets for hexagonal socket screws

## for internal square 3/8" or 1/2"

- > For metric internal hexagonal head screws
- > Basic tool chrome-plated
- > Special tool steel
- > DIN 7422, DIN EN 60900, IEC 60900



98 39 06

Article No.	EAN 4003773-	↔ mm		Width across flats S mm	Length of non-insulated blade ± 2 mm	Square drive Inch	⚖ g
98 39 05	020776	75	⚡ 1000 V	5.0	9.0	3/8	59
98 39 06	020783	75		6.0	10.0	3/8	58
98 39 08	020790	75		8.0	11.0	3/8	71
98 49 05	021155	75	⚡ 1000 V	5.0	9.0	1/2	68
98 49 06	021162	75		6.0	10.0	1/2	72
98 49 08	021179	75		8.0	11.0	1/2	87

# Reversible Ratchet

## with driving square 1/2"

- > Reversible for clockwise and anti-clockwise directions
- > Very reliable retention of the actuating tools ensured by mechanically locked retaining system
- > Chrome vanadium steel
- > ISO 3315, DIN EN 60900, IEC 60900



98 42

Article No.	EAN 4003773-	↔ mm		Square drive Inch	⚖ g
98 42	026525	265	⚡ 1000 V	1/2	599

# Torque Wrenches

## with driving square, reversible

- > Reversible for tightening of lefthanded threads
- > Lockable torque adjustment
- > Adjustable in steps of 0.25 Nm
- > Easy and secure locking of attached sockets due to screw lock
- > Calibration certificate included
- > Transparent insulated scale range
- > Chrome vanadium steel
- > ISO 3315, DIN EN 60900, IEC 60900



98 33 25



98 43 50



Article No.	EAN 4003773-	↔ mm		Range of torsional moment Nm	Square drive Inch	⚖ g
98 33 25	072676	290	⚡ 1000 V	5–25 Nm	3/8	1230
98 33 50	071761	385		5–50 Nm	3/8	1200
98 43 50	071778	385	⚡ 1000 V	5–50 Nm	1/2	1185

## Cable Knives

- > Ergonomically designed handle shape with comfortable slip guard
- > Particularly confident grip due 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
- > DIN EN 60900, IEC 60900

### 98 52

- > Back of the blade plastic coated to avoid short circuits



98 52



98 54

Article No.	EAN 4003773-	↔ mm		Handle	Blade length mm	△ g
98 52	035565	190	△ 1000 V	insulating multi-component handle, VDE-tested	50.0	112
98 54	026563	190	△ 1000 V	insulating multi-component handle, VDE-tested	50.0	65

## Stripping Knives

- > Ergonomically designed handle shape with comfortable slip guard
- > Particularly confident grip due 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
- > DIN EN 60900, IEC 60900

### 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



98 53 03



98 53 13



98 55



Article No.	EAN 4003773-	↔ mm		Handle	Blade length mm	Radius mm	△ g
98 53 03	026549	170	△ 1000 V	insulated with multi-component grips, VDE-tested	28.0	7.0	64
98 53 13	026556	190	△ 1000 V	insulated with multi-component grips, VDE-tested	50.0	40.0	64
98 55	022558	180	△ 1000 V	insulated with multi-component grips, VDE-tested	38.0	23.5	77



# Cable Knives

## with replaceable blade

- > Straight blade with special sharpening; replaceable
- > With hinged blade guard, integrated in the handle, captive
- > Back of the blade plastic coated to avoid short circuits
- > Handles with anti-slip protection
- > Blade: surgical steel, stainless, vacuum-hardened
- > DIN EN 60900, IEC 60900



98 56

Article No.	EAN 4003773-	↔ mm		Blade length mm	⚖ g
98 56	026570	190	⚡ 1000 V	50.0	64
98 56 09	030829	Spare blade for 98 56			

# Plastic Flat Nose Pliers

## insulating

- > Fully insulating to reduce risk of short circuit
- > For meter assembly and meter blocking
- > Class C; range of use up to -40°C
- > Glass fibre reinforced plastic
- > Handles with soft plastic zone for better grip
- > DIN EN 60900, IEC 60900



98 62 01

Article No.	EAN 4003773-	↔ mm		⚖ g
98 62 01	073956	180	⚡ 1000 V	120



# Plastic Snipe Nose Pliers

## insulating

- > Fully insulating to reduce risk of short circuit
- > Class C; range of use up to -40°C
- > Glass fibre reinforced plastic
- > Handles with soft plastic zone for better grip
- > DIN EN 60900, IEC 60900



98 62 02

Article No.	EAN 4003773-	↔ mm		⚖ g
98 62 02	073963	220	⚡ 1000 V	130



KNIPLEX presents high-quality and sturdy plastic pliers featuring protection against bridging for working on live parts up to AC 1000V and DC 1500V. These solid plastic pliers do not act on magnetic fields either and they are fully spark-free.

# Insulating clamps

## plastic

- > For holding insulating mats in place
- > With integrated spring
- > Fully insulated to avoid short circuits
- > Glass fibre reinforced plastic
- > DIN VDE 0680-1



98 64 02

Article No.	EAN 4003773-	↔ mm		Clamping capacity bearing surface mm	⚖ g
98 64 02	021193	150	1000 V	15.0	61

# Plastic Slip-On Caps

## conical

- > To cover bare live cable ends (max. Ø 10 mm)
- > Plastic
- > DIN VDE 0680-1

### Conductor key 1–3

- > Assignment of single wires after disconnection from the machine



98 66 03

Article No.	EAN 4003773-	↔		Conductor key	⚖ g
98 66 01	084150	80		1	10
98 66 02	084167	80	1000 V	2	10
98 66 03	084174	80		3	10

# Self-Clamping Slip-On Caps

## conical

- > To cover bare live cable ends
- > Plastic
- > DIN VDE 0680-1



98 66 20



98 66 50

Article No.	EAN 4003773-	↔ mm		Inside dia. mm	⚖ g
98 66 10	084181	80		10.0	10
98 66 20	084198	100		20.0	35
98 66 30	084204	110		30.0	50
98 66 40	083498	135	1000 V	40.0	75
98 66 45	083382	130		45.0	90
98 66 50	083504	135		50.0	95
98 66 60	084419	140		60.0	120

# Electricians' Gloves

- > For added protection when working live or close to live parts
- > Note expiry date: see label on product
- > DIN EN 60903, IEC 60903



98 65 40

Article No.	EAN 4003773-		Size	Class	⚖ g
98 65 40	021285		9	0	281
98 65 41	021292	1000 V	10	0	290
98 65 42	077862		11	0	290
98 65 43	077879		9	1	290
98 65 44	077886	1000 V	10	1	290
98 65 45	077893		11	1	290
98 65 46	077909		9	2	290
98 65 47	077916	1000 V	10	2	290
98 65 48	077923		11	2	290
98 65 49	077930		9	3	290
98 65 50	077947	1000 V	10	3	290
98 65 51	077954		11	3	290

## Cover cloths

### from rubber

- > For added protection when working live or close to live parts
- > Note expiry date: see label on product
- > DIN/EN IEC 61112



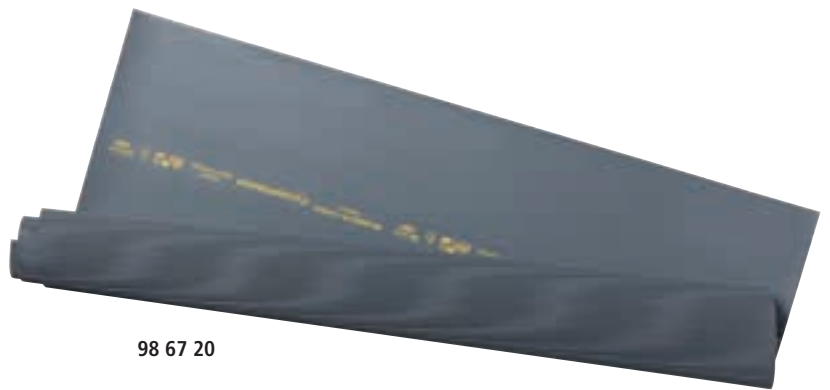
98 67 05

Article No.	EAN 4003773-		Dimensions mm	Thickness mm	⚖ g
98 67 05	026600	⚡ 1000 V	500 x 500 x 1 mm	1.0	301
98 67 10	026617		1000 x 1000 x 1 mm	1.0	820
98 67 15	077831		10000 x 1000 x 1 mm	1.0	12000

## Stand Mats

### from rubber

- > For site insulation when working live or close to live parts
- > Note expiry date: see label on product
- > IEC 61111



98 67 20

Article No.	EAN 4003773-		Dimensions mm	Thickness mm	⚖ g
98 67 20	077848	⚡ 1000 V	1000 x 1000 x 3 mm	3.0	3150
98 67 25	077855		10000 x 1000 x 3 mm	3.0	40000

## PUK® Junior Hacksaw

- > Dip insulated saw with saw blade for metal and wood with 25 teeth per inch, exchangeable
- > Saw blade length: 150 mm
- > DIN EN 60900, IEC 60900



98 90

Article No.	EAN 4003773-	↔ mm		Saw blade length	⚖ g
98 90	028321	240	⚡ 1000 V	150.0	174
98 90 01	084358	Saw blades for PUK® saw 98 90			

# Tool Case "Basic" E-Mobility



































## 34 parts

- Fit for EVs: most important VDE-tested tools and accessories neatly organised in a tool case
- Insulated tools and accessories for all work on EVs
- Complete basic EV equipment with pliers, open-ended spanner and ratchet set

- > 29 insulated tool and 1 pair of insulating gloves
- > Tool case "Basic" 00 21 05 with foam insert for 3/8" reversible ratchet set
- > Colour coding in foam insert indicates places for removed sockets
- > For garages and companies that service EVs / their own vehicle fleets



00 21 05 EV

Article No.	EAN 4003773-				Nominal size	Quantity	 g
00 21 05 EV	089025	Tool Case "Basic" E-Mobility					7500
		  	26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1	
		  	70 06 160	Diagonal Cutter	160 mm	1	
		  	86 06 250	Pliers Wrench	250 mm	1	
		  	98 00 08	Open-end wrench	8 mm	1	
			98 00 09		9 mm	1	
			98 00 10		10 mm	1	
			98 00 11		11 mm	1	
			98 00 12		12 mm	1	
			98 00 13		13 mm	1	
			  		98 20 35	Screwdrivers for slotted screws	
		98 20 65		1.2 x 6.5 x 150 mm	1		
		  	98 24 01	Screwdriver for cross recessed screws Phillips®	PH1 x 80 mm	1	
			98 24 02		PH2 x 100 mm	1	
			98 24 03		PH3 x 150 mm	1	
		  	98 29 25	KNIPLEX Socket 3/8" for TX25	3/8" / TX25	1	
			98 29 27	KNIPLEX Socket 3/8" for TX27	3/8" / TX27	1	
			98 29 30	KNIPLEX Socket 3/8" for TX30	3/8" / TX30	1	
			98 29 40	KNIPLEX Socket 3/8" for TX40	3/8" / TX40	1	
			98 29 45	KNIPLEX Socket 3/8" for TX45	3/8" / TX45	1	
			98 29 50	KNIPLEX Socket 3/8" for TX50	3/8" / TX50	1	
			98 31	Reversible Ratchet with driving square 3/8"	3/8"	1	
			98 35 125	Extension Bar with internal/external square 3/8"	3/8"	1	
					3/8"	1	
			98 35 250	Hexagon Socket for hexagonal screws with internal square 3/8"	10 mm	1	
			98 37 10		11 mm	1	
			98 37 11		12 mm	1	
			98 37 12		13 mm	1	
		98 37 13					
		  	98 62 01	Plastic Flat Nose Pliers insulating	180 mm	1	
		  	98 62 02	Plastic Snipe Nose Pliers insulating	220 mm	1	
		  	98 65 41	Electricians' Gloves insulated	410 mm	1	
		  	98 66 30	Self-Clamping Slip-On Cap	Ø 30 mm	1	
98 66 40	Ø 40 mm		1				
98 66 50	Ø 50 mm		1				
00 21 05 LE	056904	Tool Case "Basic" empty					



# Compact Tool Case

17 parts

with insulated tools for works on electrical installations

- ▶ Equipped with a range of customary insulated KNIPEX tools for work on electrical systems
- ▶ All tools are tested one by one and meet the requirements of ASTM F1505 and IEC 60900

- > Shock-resistant plastic case
- > Foam insert with precise recesses for holding the pliers
- > Dimensions, exterior (W x H x D): 380 x 85 x 260 mm
- > Dimensions, interior (W x H x D): 335 x 70 x 230 mm
- > DIN EN 60900, IEC 60900



98 99 11

## Content

03 07 200 KNIPEX		98 45 125 2 x KNIPEX	
70 07 160 KNIPEX		98 47 10 7 x KNIPEX	
98 20 35 KNIPEX		98 52 KNIPEX	
98 42 KNIPEX			

Article No.	EAN 4003773-			Nominal size	Quantity	g
98 99 11	026624	Compact Tool Case				4055
		03 07 200	Combination Pliers	200 mm	1	
		70 07 160	Diagonal Cutter	160 mm	1	
		98 20 35		0.6 x 3.5 x 100 mm	1	
		98 20 40	Screwdrivers for slotted screws	0.8 x 4 x 100 mm	1	
		98 20 55		1.0 x 5.5 x 125 mm	1	
		98 24 00	Screwdriver for cross recessed screws Phillips®	PH0 x 60 mm	1	
		98 42	Reversible Ratchet with driving square 1/2"	1/2"	1	
		98 45 125	Extension Bar with internal/external square 1/2"	+ 125 mm	1	
		98 45 250		+ 250 mm	1	
		98 47 10		10 mm	1	
		98 47 11		11 mm	1	
		98 47 12		12 mm	1	
		98 47 13	Hexagon Socket for hexagonal screws with internal square 1/2"	13 mm	1	
		98 47 14		14 mm	1	
		98 47 17		17 mm	1	
		98 47 19		19 mm	1	
		98 52	Cable Knife	185 mm	1	
98 99 11 LE	028857	Compact Tool Case empty				

# Compact Tool Case

26 parts

with insulated tools for works  
on electrical installations

- > Shock-resistant plastic case
- > Equipped with a range of insulated KNIPEX tools for works on electrical installations
- > Foam inserts with recesses for the tools
- > Fixable partition wall
- > Dimensions, exterior (W x H x D): 440 x 105 x 385 mm
- > DIN EN 60900, IEC 60900



98 99 12

## Content

03 07 200 KNIPEX		98 42 KNIPEX	
70 07 160 KNIPEX		98 47 10 7 x KNIPEX	
70 07 160 7 x KNIPEX		98 52 KNIPEX	
98 20 35 KNIPEX		98 53 03 KNIPEX	

Article No.	EAN 4003773-		Nominal size	Quantity	Δ g
98 99 12	026631	Compact Tool Case			4710
		03 07 200 Combination Pliers	200 mm	1	
		70 07 160 Diagonal Cutter	160 mm	1	
		98 00 10	10 mm	1	
		98 00 11	11 mm	1	
		98 00 12	12 mm	1	
		98 00 13 Open-end wrench	13 mm	1	
		98 00 14	14 mm	1	
		98 00 17	17 mm	1	
		98 00 19	19 mm	1	
		98 20 25	0.4 x 2.5 x 75 mm	1	
		98 20 35 Screwdrivers for slotted screws	0.6 x 3.5 x 100 mm	1	
		98 20 40	0.8 x 4 x 100 mm	1	
		98 20 55	1.0 x 5.5 x 125 mm	1	
		98 24 00	PH0 x 60 mm	1	
		98 24 01 Screwdriver for cross recessed screws Phillips®	PH1 x 80 mm	1	
		98 24 02	PH2 x 100 mm	1	
		98 40 T-Handle Drive with driving square 1/2"	165 mm	1	
		98 47 10	10 mm	1	
		98 47 11	11 mm	1	
		98 47 12 Hexagon Socket for hexagonal screws with internal square 1/2"	12 mm	1	
		98 47 13	13 mm	1	
		98 47 14	14 mm	1	
		98 47 17	17 mm	1	
		98 47 19	19 mm	1	
		98 52 Cable Knife	185 mm	1	
		98 53 03 Stripping Knife	155 mm	1	

98 99 12 LE 028154 Compact Tool Case empty

Tool Roll

- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener
- > Equipped with a range of insulated KNIPEX tools for works on electrical installations
- > Dimensions, open (L x H): 850 x 305 mm
- > DIN EN 60900, IEC 60900



98 99 13

Article No.	EAN					Nominal size	Quantity	g
98 99 13	4003773-026648	Tool Roll						2715
			03 07 200	Combination Pliers	200 mm	1		
			11 07 160	Insulation Stripper with opening spring, universal	Ø 5.0 mm / 10.0 mm <sup>2</sup>	1		
			26 17 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1		
			70 07 160	Diagonal Cutter	160 mm	1		
			95 17 200	Cable Shears with twin cutting edge	Ø 20 mm / 70 mm <sup>2</sup>	1		
			98 00 10	Open-end wrench	10 mm	1		
			98 00 13		13 mm	1		
			98 00 14		14 mm	1		
			98 00 17		17 mm	1		
			98 00 19		19 mm	1		
			98 20 25	Screwdrivers for slotted screws	0.4 x 2.5 x 75 mm	1		
			98 20 40		0.8 x 4 x 100 mm	1		
			98 20 55		1.0 x 5.5 x 125 mm	1		
			98 20 65		1.2 x 6.5 x 150 mm	1		
			98 52	Cable Knife	185 mm	1		
98 99 13 LE	028888	Tool Roll empty 15 pockets						

# Tool Box "RED" Electric Set 1

## 4 parts

- > High-quality, versatile, shock-resistant plastic case
- > Foam insert with honeycomb structure for variable equipment
- > External dimensions (W x H x D): 340 x 56 x 275 mm



00 20 15

Article No.	EAN 4003773-					Nominal size	Quantity	g
00 20 15	024804	Tool Box "RED" Electric Set 1						1430
					03 06 180	Combination Pliers	180 mm	1
					11 06 160	Insulation Stripper with opening spring, universal	Ø 5.0 mm / 10.0 mm²	1
					26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1
					70 06 160	Diagonal Cutter	160 mm	1
00 21 15 LE	045175	Tool Box "RED" empty						

# Tool Box "RED" Electric Set 2

## 7 parts

- > High-quality, versatile, shock-resistant plastic case
- > Foam insert with honeycomb structure for variable equipment
- > External dimensions (W x H x D): 340 x 56 x 275 mm



00 21 15

Article No.	EAN 4003773-						Nominal size	Quantity	g
00 21 15	042853	Tool Box "RED" Electric Set 2							1535
			03 06 180	Combination Pliers	KNIPEX	180 mm	1		
			26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		200 mm	1		
			70 06 160	Diagonal Cutter		160 mm	1		
			88 03 180	KNIPEX Alligator® Water Pump Pliers		180 mm	1		
				Screwdrivers for slotted screws 160 i	Wera	0.4 x 2.5 x 80 mm	1		
				Screwdrivers for cross recessed Phillips® screws 162i PH		0.8 x 4.0 x 100 mm	1		
				Screwdrivers for cross recessed Phillips® screws 162i PH		PH1 x 80 mm	1		
00 21 15 LE	045175	Tool Box "RED" empty							



# ELECTRONICS PLIERS AND PRECISION TWEEZERS

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01

02

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05

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09

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12

**13**

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15



# Electronic Super Knips

- > Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
- > Ground, very sharp cutting edges without bevel
- > Precisely shaped tips cut wires close to a surface from Ø 0.2 mm
- > Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life
- > Joint with stainless steel rivet
- > Extremely smooth movement for minimum operator fatigue
- > With opening spring and opening limiter
- > Electrically discharging handles – dissipative
- > Made of INOX tool steel
- > DIN ISO 9654

## 78 06 125

- > VDE-tested precision pliers for ultra fine cutting work, e.g. in electronics and fine mechanics
- > Complete your set of VDE-tools

## 78 03 125/ESD / 78 23 125

- > INOX tool steel; cutting edge hardness approx. 54 HRC

## 78 13 125/ESD

- > INOX tool steel; cutting edge hardness approx. 54 HRC; with lead catcher – no uncontrolled loss of cut wire ends

## 78 31 125

- > Cutting edges additionally induction-hardened; cutting edge hardness approx. 60 HRC; with narrow head; special tool steel, burnished

## 78 41 125

- > With lead catcher – no uncontrolled loss of cut wire ends; with narrow head; cutting edges additionally induction-hardened; cutting edge hardness approx. 60 HRC; special tool steel, burnished

## 78 61 125/ESD

- > Also suitable for cutting fibre optic cable; cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC; special tool steel, oil hardened in multiple stages

## 78 71 125/ESD

- > With lead catcher – no uncontrolled loss of cut wire ends; cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC; special tool steel, burnished



78 03 125



78 03 125 ESD



78 06 125



78 13 125



78 23 125



78 31 125



78 41 125



78 61 125



78 71 125



78 81 125



78 91 125

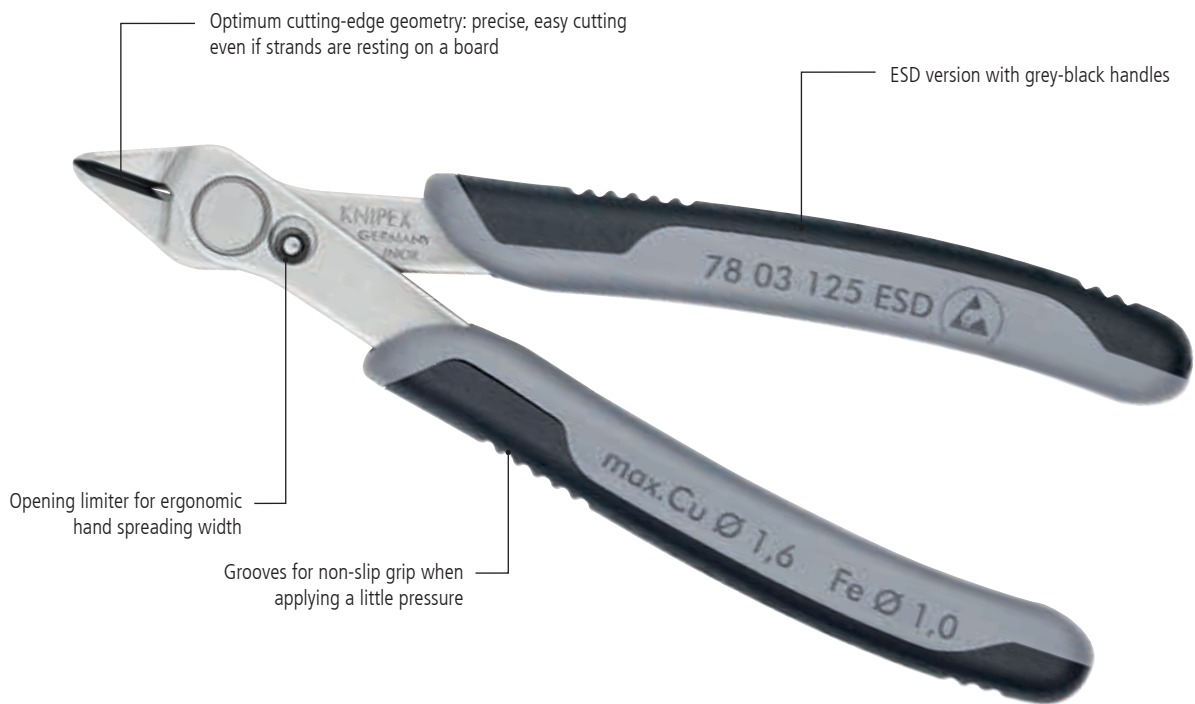
## Models also for hard wire

### 78 81 125

- > Precision-ground cutting edges with very small bevel suitable also for hard wire; cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC; special tool steel, burnished

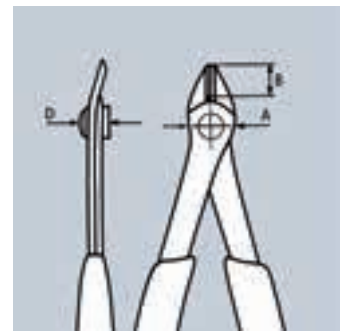
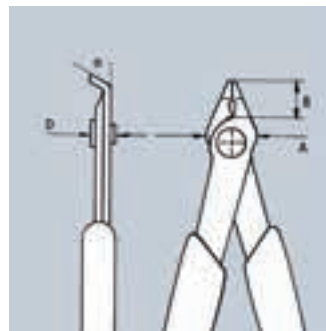
### 78 91 125

- > Precision-ground cutting edges with very small bevel suitable also for hard wire; with lead catcher – no uncontrolled loss of cut wire ends; cutting edges additionally induction-hardened; special tool steel, burnished



### ESD pliers (electrostatic discharge)

Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities			Dimensions			g
							Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	
78 03 125	035381	125			polished	with multi-component grips	0.2 – 1.6	1.0		9.0	13.5	7.5	56
78 03 125 ESD	025146	125			polished	with multi-component grips	0.2 – 1.6	1.0		9.0	13.5	7.5	55
78 06 125	084099	125			polished	insulated with multi-component grips, VDE-tested	0.2 – 1.6	1.0		9.0	13.5	7.5	60
78 13 125	035398	125			polished	with multi-component grips	0.2 – 1.6	1.0		9.0	13.5	7.5	57
78 13 125 ESD	025153	125			polished	with multi-component grips	0.2 – 1.6	1.0		9.0	13.5	7.5	57
78 23 125	043096	125			polished	with multi-component grips	0.2 – 1.0	0.6		5.5	13.5	7.5	55
78 31 125	039778	125		burnished	burnished	with multi-component grips	0.2 – 1.0			9.0	12.5	7.5	55
78 41 125	040767	125		burnished	burnished	with multi-component grips	0.2 – 1.0			9.0	12.5	7.5	57
78 61 125	035404	125		burnished	burnished	with multi-component grips	0.2 – 1.6	1.2		9.0	13.5	7.5	56
78 61 125 ESD	025184	125		burnished	burnished	with multi-component grips	0.2 – 1.6	1.2		9.0	13.5	7.5	56
78 71 125	043799	125		burnished	burnished	with multi-component grips	0.2 – 1.6	1.2		9.0	13.5	7.5	57
78 71 125 ESD	025191	125		burnished	burnished	with multi-component grips	0.2 – 1.6	1.2		9.0	13.5	7.5	57
78 81 125	065074	125		burnished	burnished	with multi-component grips	0.2 – 1.6	1.2	0.6	9.0	13.5	7.5	57
78 91 125	065081	125		burnished	burnished	with multi-component grips	0.2 – 1.6	1.2	0.6	9.0	13.5	7.5	57



# Electronic Super Knips XL

► Additional 15 mm longer version: greater stability, greater cutting performance

- > For ultra fine cutting work, e.g. in electronics and fine mechanics
- > In particular for cutting cable ties to length
- > Ground, very sharp cutting edges without bevel
- > Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life
- > Precisely shaped tips cut wires close to a surface from Ø 0.2 mm
- > Joint with stainless steel rivet
- > Extremely smooth movement for minimum operator fatigue
- > With opening spring and opening limiter
- > DIN ISO 9654

## 78 03 140 / ESD

> INOX tool steel; cutting edge hardness approx. 54 HRC

## 78 61 140 / ESD

> Cutting edges additionally induction-hardened; cutting edge hardness approx. 64 HRC; special tool steel, oil hardened in multiple stages



78 03 140



78 61 140



78 03 140 ESD



78 61 140 ESD

### ESD pliers (electrostatic discharge)

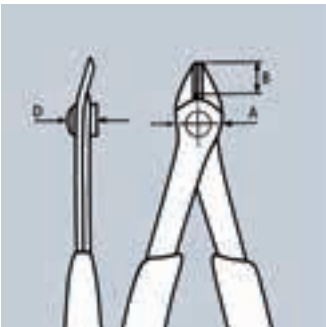
Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472



For flush cutting, e.g. for shortening cable ties



Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life



Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities		Dimensions			
							Ø mm	Ø mm	B mm	A mm	D mm	Δ g
78 03 140	081647	140	↗ ↘		polished	with multi-component grips	0.2 – 2.1	1.2	12.3	15.7	9.2	85
78 03 140 ESD	081661	140	↗ ↘		polished	with multi-component grips	0.2 – 2.1	1.2	12.3	15.7	9.2	77
78 61 140	081685	140	↗ ↘	burnished	burnished	with multi-component grips	0.2 – 2.1	1.4	12.3	15.7	9.2	85
78 61 140 ESD	081708	140	↗ ↘	burnished	burnished	with multi-component grips	0.2 – 2.1	1.4	12.3	15.7	9.2	77

# Electronics Diagonal Cutters

## with bolted joint

- > For ultra fine cutting work, e.g. in electronics and fine mechanics
- > With sharp, ground cutting edges for soft and hard wire and piano wire
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 62 HRC
- > Low-friction double spring for gentle and even opening
- > High-grade special tool steel, forged, multi stage oil-hardened
- > DIN ISO 9654

### 75 02 125

- > With bevel

### 75 12 125

- > With bevel and lead catcher, no uncontrolled loss of cut wire ends

### 75 22 125

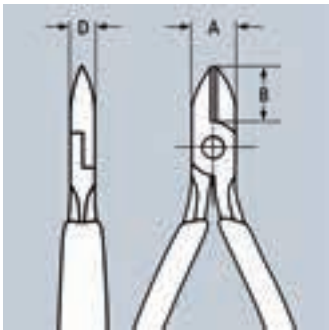
- > With small bevel

### 75 52 125

- > Particularly narrow head, with bevel



Bolted joint



75 02 125



75 12 125



75 22 125



75 52 125

Article No.	EAN 4003773-	↔ mm		Pliers	Handles	Cutting capacities				Dimensions			
						Ø mm	Ø mm	Ø mm	Ø mm	A mm	B mm	D mm	Δ g
75 02 125	043720	125	MM	burnished	with plastic handles	0.2 – 1.3	1.0	0.6	0.4	10.5	14.0	6.5	80
75 12 125	040514	125	MM	burnished	with plastic handles	0.2 – 1.3	1.0	0.6	0.4	10.5	14.0	6.5	80
75 22 125	040538	125	MM	burnished	with plastic handles	0.2 – 1.3	0.9	0.4	0.3	10.5	14.0	6.5	79
75 52 125	043737	125	MM	burnished	with plastic handles	0.2 – 0.8	0.5	0.3		10.5	14.0	6.5	75

## Material catcher

### for 79 02 / 22 125 ESD

- > Material catcher for Electronics Diagonal Cutters: reliably prevents cut material from falling down
- > For particular safety, e.g. in the aerospace industry, in order to avoid FOD (Foreign Object Damage)



00 11 V79



Easy attachment: the material catcher is easily attached and fastens securely to the pliers head



Remove the head of the cable tie using the Electronics Diagonal Cutter...



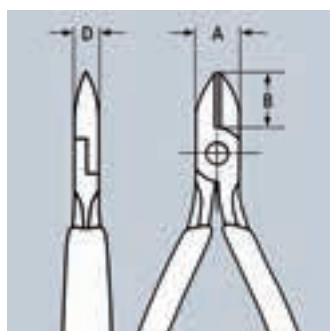
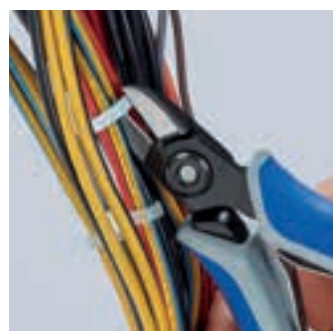
...the detached workpiece remains safely in the material catcher

Article No.	EAN 4003773-	Δ g
00 11 V79	083443	20

# Precision Electronics Diagonal Cutters

## with bolted joint












- > Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
  - > Very precisely ground and sharp cutting edges with very small bevels for exact cutting on delicate electronic components; also available without bevel for flush cutting
  - > Cutting edges additionally induction-hardened, cutting edge hardness approx. 62 HRC
  - > Approx. 20 % lighter than conventional electronics pliers
  - > Bolted joint with carefully manufactured joint surfaces for even, low-friction movement throughout the entire opening range
  - > Smooth-running double spring for a gentle and even opening
  - > Ergonomically optimised multi-component handles
  - > Ball bearing chrome steel, forged, multi stage oil-hardened
  - > DIN ISO 9654
- 79 02 120 / 79 22 120**  
> Mini-head
- 79 02 125 / 79 22 125**  
> Round head
- 79 12 125**  
> Specially for cutting through hard wire and piano wire
- 79 32 125 / 79 42 125**  
> Pointed head
- 79 42 125 Z**  
> For an optimised flush cutting result of soft materials
- 79 52 125 / 79 62 125**  
> Pointed head; with lead catcher – no uncontrolled loss of cut wire ends



All edges on the pliers head are specially rounded – to avoid unintentional damage to the insulations

## The subtle difference

KNIPEX precision electronics pliers are made of high-quality ball bearing steel and processed with the highest degree of care. Each opening movement is gentle and even without backlash. Each work step proceeds reliably and precisely. This makes work much easier for professionals.

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				Dimensions			g
							Ø mm	Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	
<b>79 02 120</b>	061403	120		burnished	polished	with multi-component grips	0.2 – 1.4	1.0	0.6		6.5	9.0	6.5	57
<b>79 02 125</b>	061281	125		burnished	polished	with multi-component grips	0.2 – 1.7	1.3	0.7		10.0	11.0	6.5	59
<b>79 02 125 S1</b>	071808	125		burnished	polished	with multi-component grips	0.2 – 1.7	1.3	0.7		10.0	11.0	6.5	59
<b>79 12 125</b>	071365	125		burnished	polished	with multi-component grips	0.3 – 1.7	1.3	1.0	0.6	10.0	11.0	6.5	59
<b>79 22 120</b>	061427	120		burnished	polished	with multi-component grips	0.1 – 1.3	0.8			6.5	9.0	6.5	57
<b>79 22 125</b>	061342	125		burnished	polished	with multi-component grips	0.1 – 1.7	1.0			10.0	11.0	6.5	60
<b>79 32 125</b>	061366	125		burnished	polished	with multi-component grips	0.2 – 1.5	1.1	0.6		11.0	11.0	6.5	58
<b>79 42 125</b>	061380	125		burnished	polished	with multi-component grips	0.1 – 1.5	0.8			11.0	11.0	6.5	58
<b>79 42 125 Z</b>	078449	125		burnished	polished	with multi-component grips	0.1 – 1.3				11.0	11.0	6.5	58
<b>79 52 125</b>	065135	125		burnished	polished	with multi-component grips	0.2 – 1.3	0.9	0.5		11.0	11.0	6.5	58
<b>79 62 125</b>	065142	125		burnished	polished	with multi-component grips	0.1 – 1.3	0.8			11.0	11.0	6.5	58



# Precision Electronics Diagonal Cutters ESD

## with bolted joint

- > Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
- > Electrically discharging handles – dissipative
- > Very precisely ground and sharp cutting edges with very small bevels for exact cutting on delicate electronic components; also available without bevel for flush cutting
- > Precision cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Approx. 20 % lighter than conventional electronics pliers
- > Bolted joint with carefully manufactured joint surfaces for even, low-friction movement throughout the entire opening range
- > Smooth-running double spring for a gentle and even opening
- > Ergonomically optimised multi-component handles
- > Ball bearing chrome steel, forged, multi stage oil-hardened
- > DIN ISO 9654, DIN EN 61 340-5

### 79 02 120 ESD / 79 22 120 ESD

- > Mini-head

### 79 02 125 ESD / 79 22 125 ESD

- > Round head

### 79 12 125 ESD

- > Specially for cutting through hard wire and piano wire

### 79 32 125 ESD / 79 42 125 ESD

- > Pointed head

### 79 42 125 Z ESD

- > For an optimised flush cutting result of soft materials

### 79 52 125 ESD / 79 62 125 ESD

- > Pointed head; with lead catcher – no uncontrolled loss of cut wire ends



79 02 120 ESD



79 02 125 ESD



79 12 125 ESD



79 22 120 ESD



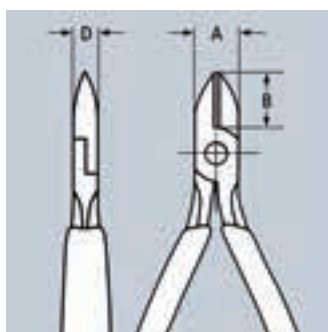
79 22 125 ESD



79 32 125 ESD



79 42 125 Z ESD



### ESD pliers (electrostatic discharge)

Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472



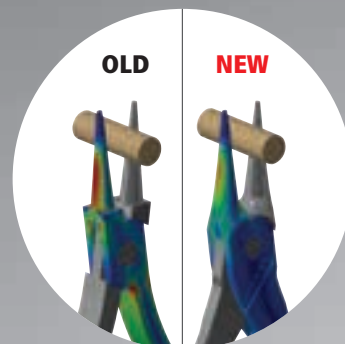
Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Cutting capacities				Dimensions			g
							Ø mm	Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	
79 02 120 ESD	061595	120		burnished	polished	with multi-component grips	0.2 – 1.4	1.0	0.6		6.5	9.0	6.5	57
79 02 125 ESD	061519	125		burnished	polished	with multi-component grips	0.2 – 1.7	1.3	0.7		10.0	11.0	6.5	61
79 12 125 ESD	071389	125		burnished	polished	with multi-component grips	0.3 – 1.7	1.3	1.0	0.6	10.0	11.0	6.5	61
79 22 120 ESD	061618	120		burnished	polished	with multi-component grips	0.1 – 1.3	0.8			6.5	9.0	6.5	57
79 22 125 ESD	061533	125		burnished	polished	with multi-component grips	0.1 – 1.7	1.0			10.0	11.0	6.5	61
79 32 125 ESD	061557	125		burnished	polished	with multi-component grips	0.2 – 1.5	1.1	0.6		11.0	11.0	6.5	61
79 42 125 ESD	061571	125		burnished	polished	with multi-component grips	0.1 – 1.5	0.8			11.0	11.0	6.5	58
79 42 125 Z ESD	078456	125		burnished	polished	with multi-component grips	0.1 – 1.3				11.0	11.0	6.5	58
79 52 125 ESD	065159	125		burnished	polished	with multi-component grips	0.2 – 1.3	0.9	0.5		11.0	11.0	6.5	58
79 62 125 ESD	065166	125		burnished	polished	with multi-component grips	0.1 – 1.3	0.8			11.0	11.0	6.5	58



# We are Family: the family of electronic pliers with box joint

Durable, powerful and with a great deal of sensitivity: for gripping and cutting in all areas of electronics and fine mechanics.

- ▶ Robust, load-optimised construction made of ball bearing steel
- ▶ With box joint and zero backlash joint
- ▶ Less effort required due to high leverage
- ▶ Slim sleeves raised towards the pliers head for precision and comfortable gripping between thumb and index finger
- ▶ Low friction double spring for gentle and even opening
- ▶ Laser-hardened cutting edges
- ▶ Mirror polish instead of chrome plating: no circuit faults caused by peeling chrome from plated tools



Optimised design to reduce stress load on the pliers tips



Carefully rounded: no sharp edges that could damage the workpiece

Mirror polish in combination with a fine oil film provides rust protection



Can be held like tweezers: precise and comfortable gripping

# Electronics Diagonal Cutters

## with box joint

- > For fine cutting work, e.g. in electronics and fine mechanics
- > Load-optimised for a more direct feel when working
- > Low-friction double spring for gentle and even opening
- > The polish or mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > Cutting edges additionally laser hardened, cutting edge hardness approx. 62 HRC
- > Narrow sleeves pulled up to the head of the pliers enable the tool to be guided securely and comfortably, also between thumb and index finger
- > Sturdy, zero backlash box joint
- > Ball bearing chrome steel, oil hardened
- > DIN ISO 9654

### 77 01 115 / 77 02 115 / 77 02 130

- > Round head, with small bevel

### 77 21 115 / 77 22 115 / 77 82 130

- > Round head, without bevel

### 77 11 115 / 77 12 115

- > Round head, with small bevel and lead catcher – no uncontrolled loss of cut wire ends

### 77 32 115 / 77 32 130

- > Pointed head, with small bevel

### 77 42 115 / 77 42 130

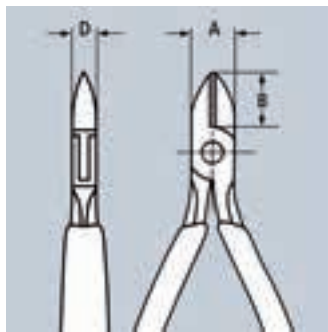
- > Pointed head, without bevel

### 77 52 115

- > Pointed, flat head, with small bevel

### 77 72 115

- > Pointed mini-head, with small bevel



77 01 115



77 02 130



77 02 115



77 11 115



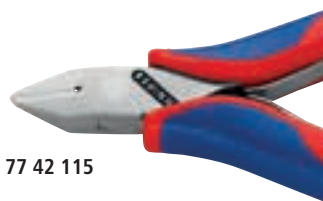
77 12 115



77 22 115



77 32 115



77 42 115



77 52 115

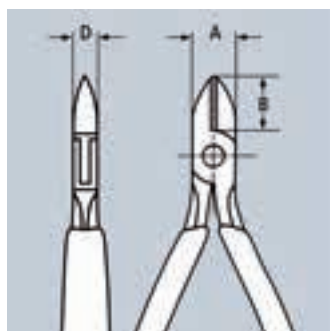
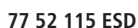


77 82 130

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities			Dimensions			
						Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	Δ g
77 01 115	018568	115	↔	mirror polished	with plastic handles	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	50
77 02 115	039334	115	↔	mirror polished	with multi-component grips	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	70
77 02 130	039341	130	↔	mirror polished	with multi-component grips	0.3 – 2.0	1.5	0.8	16.2	13.0	8.5	81
77 11 115	018629	115	↔	mirror polished	with plastic handles	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	55
77 12 115	043768	115	↔	mirror polished	with multi-component grips	0.3 – 1.6	1.2	0.6	14.0	11.0	7.5	70
77 21 115 N	082309	115	↔	mirror polished	with plastic handles	1.3	1.0		13.0	11.0	7.0	50
77 22 115	043782	115	↔	mirror polished	with multi-component grips	0.3 – 1.3	1.0		14.0	11.0	7.0	70
77 32 115	044307	115	↔	mirror polished	with multi-component grips	0.3 – 1.3	1.0	0.5	14.0	11.0	7.5	65
77 32 130	089186	130	↔	mirror polished	with multi-component grips	0.3 – 2.0	1.3	0.6	16.2	13.0	8.5	80
77 41 115	082316	115	↔	mirror polished	with plastic handles	1.3	0.8		13.0	11.0	7.0	50
77 42 115	039761	115	↔	mirror polished	with multi-component grips	0.3 – 1.3	0.8		14.0	11.0	7.5	70
77 42 130	018773	130	↔	mirror polished	with multi-component grips	0.3 – 1.6	1.3		16.2	13.0	8.5	81
77 52 115	040750	115	↔	mirror polished	with multi-component grips	0.3 – 1.0	0.8	0.5	14.0	11.0	7.5	65
77 72 115	040958	115	↔	mirror polished	with multi-component grips	0.3 – 0.8			10.5	11.0	6.0	65
77 82 130	089162	130	↔	mirror polished	with multi-component grips	0.3 – 1.6	1.3		16.2	13.0	8.5	81

**with box joint**

- > Pointed mini-head, with small bevel



Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472

270 | ELECTRONICS PLIERS AND PRECISION TWEEZERS



# Electronics Diagonal Cutter

## with inset carbide cutting edge

- > For extreme demands on cutting pliers caused by hard or tough materials, e.g. piano, nickel, tungsten and diode wire, such as those used more frequently in the electronics and aerospace industries
- > Always the right cutting tool, even with the hardest material
- > Precision carbide metal cutting edges soldered into forged blanks
- > Sturdy, zero backlash box joint
- > Hardness of the carbide cutting edges 80 – 83 HRC
- > Pliers with carbide metal cutting edges have a substantially longer service life than such with conventional cutting edges
- > Constantly reliable cutting results due to the avoidance of cutter deformations caused by overloading
- > High cost saving due to longer service life of the pliers
- > DIN ISO 9654

### 77 02 120 H / 77 02 135 H / ESD

- > Round head, with bevel

### 77 32 120 H / ESD

- > Pointed head with chamfer; with small bevel



77 02 120 H



77 02 120 H ESD



77 32 120 H

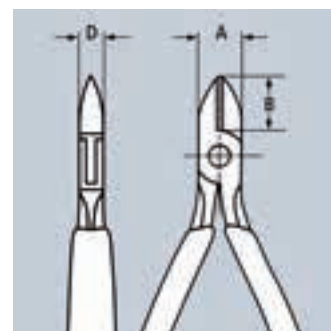
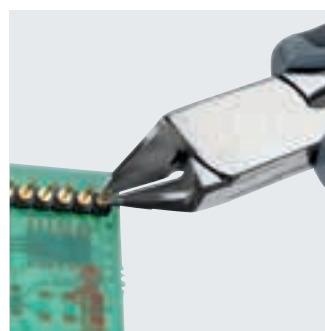


77 32 120 H ESD



### Inserted carbide cutting edge

Precision carbide metal cutting edges soldered into forged blanks.



Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities				Dimensions			
						Ø mm	Ø mm	Ø mm	Ø mm	B mm	A mm	D mm	△ g
77 02 120 H	075783	120	MM	mirror polished	with multi-component grips	2.0	1.4	1.0	0.6	14.0	11.0	7.5	85
77 02 135 H	075806	135	MM	mirror polished	with multi-component grips	2.2	1.6	1.2	0.8	18.0	15.0	9.5	115
77 02 120 H ESD	075813	120	MM	mirror polished	with multi-component grips	2.0	1.4	1.0	0.6	14.0	11.0	7.5	85
77 02 135 H ESD	075837	135	MM	mirror polished	with multi-component grips	2.2	1.6	1.2	0.8	18.0	15.0	9.5	115
77 32 120 H	075790	120	MM	mirror polished	with multi-component grips	1.6	1.0	0.6	0.2	14.0	11.0	7.5	80
77 32 120 H ESD	075820	120	MM	mirror polished	with multi-component grips	1.6	1.0	0.6	0.2	14.0	11.0	7.0	80



# Electronics End Cutting Nippers

## with box joint

- > Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
- > Sturdy, zero backlash box joint
- > Low-friction double spring for gentle and even opening
- > The polish or mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > Cutters additionally laser hardened, cutter hardness at least 56 HRC
- > Ball bearing chrome steel, oil hardened
- > DIN ISO 9654

### 64 01 115 / 64 02 115 / 64 02 115 ESD

- > End Cutter, with small bevel

### 64 11 115 / 64 12 115 / 64 12 115 ESD

- > End Cutter, without bevel

### 64 32 120 / 64 32 120 ESD

- > Oblique End Cutter, short head, with small bevel,  $\alpha = 15^\circ$

### 64 42 115

- > Oblique End Cutter, short head, with small bevel,  $\alpha = 27^\circ$

### 64 52 115

- > Oblique End Cutter, short head, without bevel, for flush cutting,  $\alpha = 27^\circ$

### 64 62 120 / 64 52 120 ESD

- > Oblique End Cutter, short head, with small bevel,  $\alpha = 65^\circ$

### 64 72 120

- > Oblique End Cutter, mini-blade with small bevel, head with recess,  $\alpha = 35^\circ$

### 64 22 115 / 64 22 115 ESD

- > End Cutter, mini-blade with small bevel



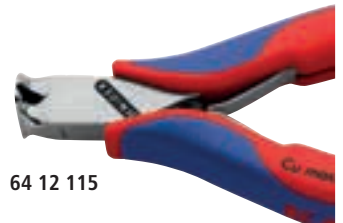
64 01 115



64 02 115 ESD



64 11 115



64 12 115



64 22 115



64 32 120



64 42 115



64 52 115



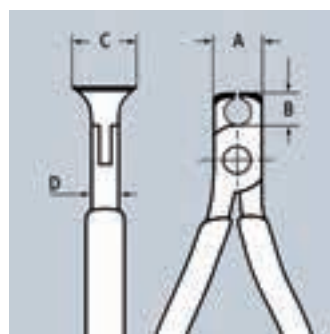
64 62 120



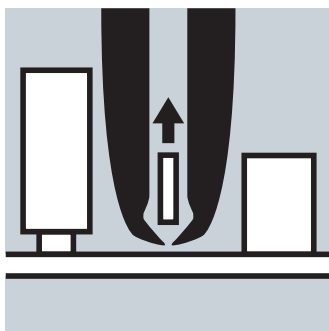
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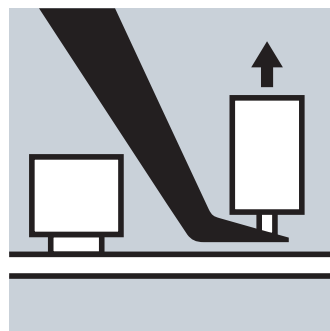
64 11 115



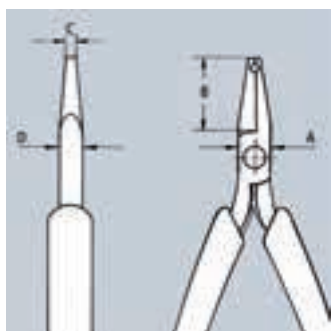
64 01/02/11/12



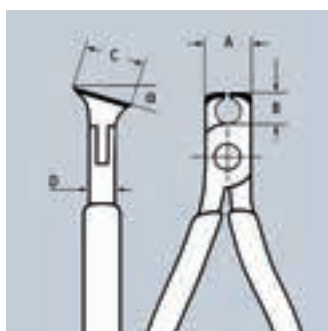
64 22 115



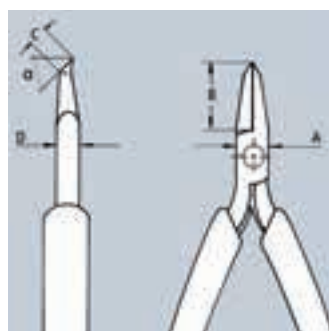
64 62 120



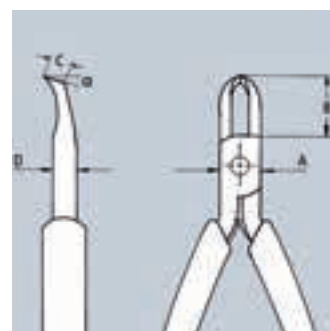
64 22 115



64 32/42/52



64 62 120



64 72 120

Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities			Dimensions					Δ g
						Ø mm	Ø mm	Ø mm	A mm	B mm	D mm	C mm		
64 01 115	017745	115	MM	mirror polished	with plastic handles	2.0	1.0	0.6	11.0	6.0	7.5	16.0		55
64 02 115	035343	115	MM	mirror polished	with multi-component grips	2.0	1.0	0.6	11.0	6.0	7.5	16.0		70
64 02 115 ESD	082231	115	MM	mirror polished	with multi-component grips	2.0	1.0	0.6	11.0	6.0	7.5	16.0		70
64 11 115	017769	115	MM	mirror polished	with plastic handles	1.4	0.8		11.0	12.0	7.0	16.0		50
64 12 115	040743	115	MM	mirror polished	with multi-component grips	1.4	0.8		11.0	6.0	7.0	16.0		70
64 12 115 ESD	024323	115	MM	mirror polished	with multi-component grips	1.4	0.8		11.0	6.0	7.0	16.0		70
64 22 115	017806	115	MM	mirror polished	with multi-component grips	0.8			11.0	20.0	6.0	3.0		70
64 22 115 ESD	025061	115	MM	mirror polished	with multi-component grips	0.8			11.0	20.0	6.0	3.0		70
64 32 120	017820	120	MM ∠15°	mirror polished	with multi-component grips	1.5	1.0	0.5	11.0	10.0	7.0	17.0		70
64 32 120 ESD	025078	120	MM ∠15°	mirror polished	with multi-component grips	1.5	1.0	0.5	11.0	10.0	7.0	17.0		70
64 42 115	017844	115	MM ∠27°	mirror polished	with multi-component grips	1.5	1.0	0.5	11.0	10.0	7.0	12.0		70
64 52 115	040439	115	MM ∠27°	mirror polished	with multi-component grips	1.3			11.0	10.0	7.0	12.0		70
64 62 120	046998	120	MM ∠65°	mirror polished	with multi-component grips	0.6			11.0	20.0	7.0	7.0		70
64 62 120 ESD	025085	120	MM ∠65°	mirror polished	with multi-component grips	0.6			11.0	20.0	7.0	7.0		70
64 72 120	017882	120	MM ∠35°	mirror polished	with multi-component grips	1.5			11.0	20.0	7.0	6.0		70

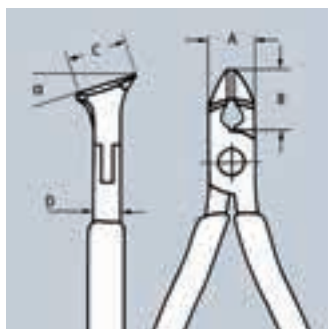
## Electronics Oblique Cutting Nipper

### with box joint

- > With cutting edges for soft and medium hard wire
- > Without bevel, for flush cutting
- > Low-friction double spring for gentle and even opening
- > Sturdy, zero backlash box joint
- > The polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > Cutters additionally laser hardened, cutter hardness at least 56 HRC
- > Ball bearing chrome steel, oil hardened
- > DIN ISO 9654



62 12 120



Article No.	EAN 4003773-	↔ mm		Head	Handles	Cutting capacities		Dimensions					Δ g
						Ø mm	Ø mm	A mm	B mm	C mm	D mm		
62 12 120	048008	120	MM ∠15°	polished	with multi-component grips	0.3 – 1.0	0.7	11.0	10.0	17.0	7.5		70

# Precision Electronics Gripping Pliers

## with bolted joint

- > Precision pliers for fine assembly work, e.g. in electronics and fine mechanics
- > For gripping, holding and bending
- > Bolted joint: precise, zero backlash operation of pliers
- > Precisely finished joint surfaces for smooth, low friction movement along the complete opening range
- > Low-friction double spring for gentle and even opening
- > Edges carefully deburred
- > Non-reflective finish
- > Approx. 20 % lighter than conventional electronics pliers
- > Smooth-running double spring for a gentle and even opening
- > Ball bearing chrome steel, forged, multi stage oil-hardened
- > DIN ISO 9655

### 34 12 130

- > Flat, wide jaws, smooth ground gripping surfaces

### 34 22 130

- > Half-round jaws, smooth ground gripping surfaces

### 34 32 130

- > Round, pointed jaws, smooth ground gripping surfaces

### 34 42 130

- > Flat, wide jaws; with precision laser cut cross-shaping

### 34 52 130

- > Half-round jaws; with precision laser cut cross-shaping



34 12 130



34 22 130



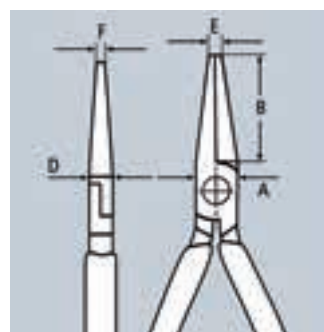
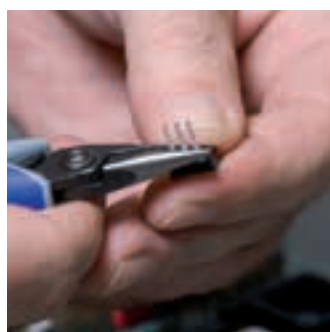
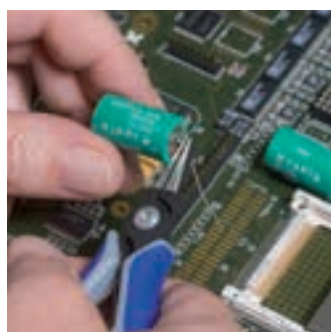
34 32 130



34 42 130



34 52 130



Cross-shaping: precision laser cut for a secure grip in ultra fine mounting work

Article No.	EAN	↔ mm		Head	Handles	Dimensions					Δ g
						B mm	A mm	D mm	E mm	F mm	
34 12 130	061458	135		polished	with multi-component grips	21.9	11.2	6.5	1.4	3.5	61
34 22 130	061472	135		polished	with multi-component grips	22.7	11.2	6.5	1.6	1.6	61
34 32 130	061496	135		polished	with multi-component grips	23.7	11.2	6.5	2.0	1.0	59
34 42 130	080282	130		polished	with multi-component grips	21.9	11.2	6.5	1.4	3.5	61
34 52 130	080312	130		polished	with multi-component grips	22.7	11.2	6.5	1.6	1.6	61

# Precision Electronics Gripping Pliers ESD

## with bolted joint

- > The assortment for highest standard of performance and results
- > Precision pliers for fine assembly work, e.g. in electronics and fine mechanics
- > For gripping, holding and bending
- > Electrically discharging handles – dissipative
- > Bolted joint: precise, zero backlash operation of pliers
- > Precisely finished joint surfaces for smooth, low friction movement along the complete opening range
- > Low-friction double spring for gentle and even opening
- > Non-reflective finish
- > Low weight
- > Ergonomically shaped, two-colour dual component ESD handles, black/grey
- > Ball bearing chrome steel, forged, multi stage oil-hardened
- > DIN ISO 9655, DIN EN 61 340-5

### 34 12 130 ESD

- > Flat, wide jaws, smooth ground gripping surfaces

### 34 22 130 ESD

- > Half-round jaws, smooth ground gripping surfaces

### 34 32 130 ESD

- > Round, pointed jaws, smooth ground gripping surfaces

### 34 42 130 ESD

- > Flat, wide jaws; with precision laser cut cross-shaping

### 34 52 130 ESD

- > Half-round jaws; with precision laser cut cross-shaping



34 12 130 ESD



34 22 130 ESD



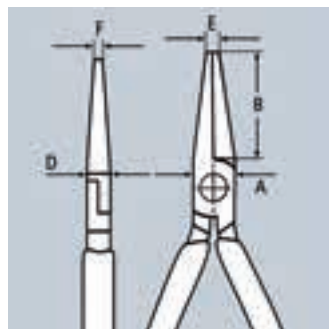
34 32 130 ESD



34 42 130 ESD


















34 52 130 ESD



### ESD pliers (electrostatic discharge)

Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472



	EAN	↔ mm				Dimensions					⚖️
Article No.	4003773-	mm		Head	Handles	B mm	A mm	D mm	E mm	F mm	g
34 12 130	061458	135	  	polished	with multi-component grips	21.9	11.2	6.5	1.4	3.5	62
34 22 130 ESD	061656	135	  	polished	with multi-component grips	22.7	11.2	6.5	1.6	1.6	65
34 32 130 ESD	061670	135	 8  	polished	with multi-component grips	23.7	11.2	6.5	2.0	1.0	62
34 42 130 ESD	080299	130	  	polished	with multi-component grips	21.9	11.2	6.5	1.4	3.5	61
34 52 130 ESD	080305	130	  	polished	with multi-component grips	22.7	11.2	6.5	1.6	1.6	61



# Electronics Gripping Pliers

## with box joint

- > Precision pliers for fine assembly work, e.g. in electronics and fine mechanics
- > Load-optimised for a more direct feel when working
- > For gripping, holding and bending
- > Sturdy, zero backlash box joint
- > Smooth ground gripping surfaces
- > Soft transitions; no sharp edges
- > Low-friction double spring for gentle and even opening
- > The polish or mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > Narrow sleeves pulled up to the head of the pliers enable the tool to be guided securely and comfortably, also between thumb and index finger
- > Edges carefully deburred
- > Ball bearing chrome steel, oil hardened
- > DIN ISO 9655

### 145 mm Length

- > For deep gripping



35 11 115



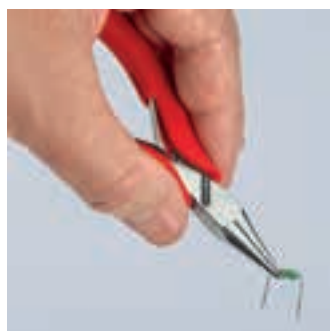
35 12 115



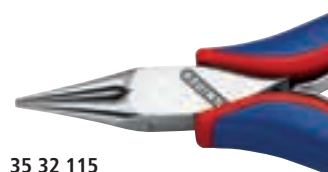
35 21 115



35 22 115



35 31 115



35 32 115



35 41 115



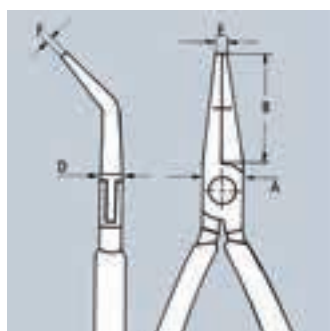
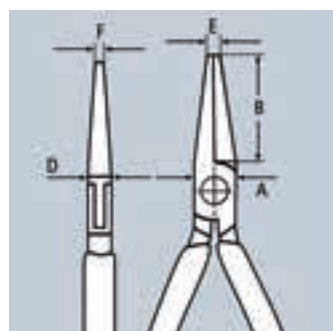
35 52 145



35 62 145



35 82 145



Article No.	EAN 4003773-	↔ mm		Head	Handles	Dimensions					△ g
						B mm	A mm	D mm	E mm	F mm	
35 11 115	016694	115		mirror polished	with plastic handles	22.5	11.0	6.5	2.0	4.0	55
35 12 115	035107	115		mirror polished	with multi-component grips	22.5	11.0	6.5	2.0	4.0	70
35 21 115	016724	115		mirror polished	with plastic handles	22.5	11.0	6.5	2.0	1.5	55
35 22 115	035114	115		mirror polished	with multi-component grips	22.5	11.0	6.5	2.0	1.5	70
35 31 115	016762	115		mirror polished	with plastic handles	22.5	11.0	6.5	2.0	1.0	61
35 32 115	035121	115		mirror polished	with multi-component grips	22.5	11.0	6.5	2.0	1.0	70
35 41 115	082248	115		mirror polished	with plastic handles	22.5	11.0	6.5	2.0	1.0	55
35 42 115	040736	115		mirror polished	with multi-component grips	22.5	11.0	6.5	2.0	1.5	70
35 52 145	039389	145		mirror polished	with multi-component grips	34.1	13.0	8.5	2.5	1.8	86
35 62 145	039556	145		mirror polished	with multi-component grips	34.1	13.0	8.5	2.5	1.8	86
35 82 145	039396	145		mirror polished	with multi-component grips	31.1	13.0	8.5	2.5	1.8	86

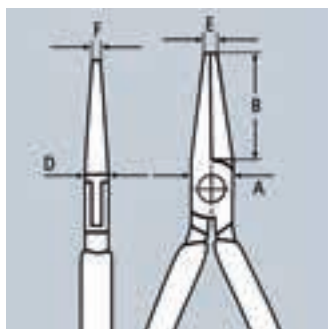
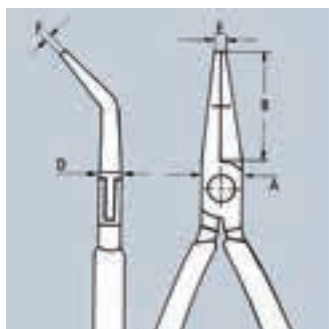
# Electronics Gripping Pliers ESD

## with box joint

- > Precision pliers for fine assembly work, e.g. in electronics and fine mechanics
- > For gripping, holding and bending
- > Electrically discharging handles – dissipative
- > Sturdy, zero backlash box joint
- > Smooth ground gripping surfaces
- > Edges carefully deburred
- > Low-friction double spring for gentle and even opening
- > The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > Ball bearing chrome steel, oil hardened
- > DIN ISO 9655, DIN EN 61 340-5

### ESD pliers (electrostatic discharge)

Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472



35 12 115 ESD



35 22 115 ESD



35 32 115 ESD



35 42 115 ESD



35 52 145 ESD



35 62 145 ESD



35 82 145 ESD

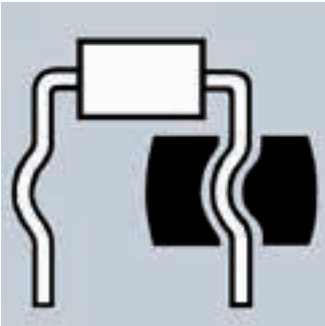
Article No.	EAN 4003773-	↔ mm		Head	Handles	Dimensions					
						B mm	A mm	D mm	E mm	F mm	△ g
35 12 115 ESD	024835	115		mirror polished	with multi-component grips	22.5	11.0	6.5	2.0	4.0	70
35 22 115 ESD	024842	115		mirror polished	with multi-component grips	22.5	11.0	7.0	2.0	1.3	70
35 32 115 ESD	024859	115		mirror polished	with multi-component grips	22.5	11.0	6.5	2.0	1.0	70
35 42 115 ESD	024866	115		mirror polished	with multi-component grips	22.5	11.0	6.5	2.0	1.5	70
35 52 145 ESD	089223	145		mirror polished	with multi-component grips	34.1	13.0	8.5	2.5	1.8	86
35 62 145 ESD	089230	145		mirror polished	with multi-component grips	34.1	13.0	8.5	2.5	1.8	86
35 82 145 ESD	089414	145		mirror polished	with multi-component grips	31.1	13.0	8.5	2.5	1.8	86

# Electronics Mounting Pliers

- > Precision pliers for very fine assembly and repair work in electronics
- > For bending and cutting off wire ends on components
- > Sturdy, zero backlash box joint
- > Smooth ground gripping surfaces
- > Edges carefully deburred
- > Low-friction double spring for gentle and even opening
- > The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
- > Ball bearing chrome steel, oil hardened

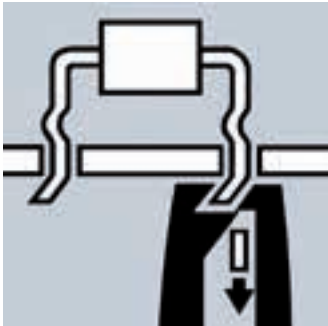


36 12 130



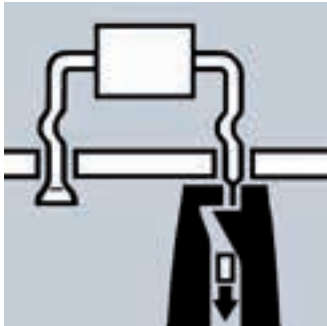
To bend wire as stress relief / for distance below the board

36 22 125

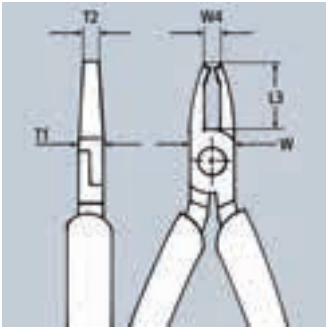
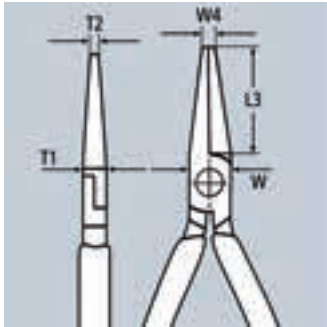


To bend and cut wire at 1.6 mm length below the board

36 32 125



To crimp and cut wire at 1.6 mm length below the board



Article No.	EAN 4003773-	↔ mm		Head	Handles	Ø mm	Dimensions					Δ g
							L3 mm	W mm	T1 mm	W1 mm	T2 mm	
36 12 130	016861	130	WW	mirror polished	with multi-component grips		23.0	12.0	9.5	5.5	6.0	70
36 22 125	046967	125	WW	mirror polished	with multi-component grips	1.2	18.0	11.0	7.0	7.5	4.0	94
36 32 125	016885	125	WW	mirror polished	with multi-component grips	1.0	18.0	11.0	7.0	7.5	3.0	70



# Electronics Pliers Sets

## with tools for work on electronic components

> Dimensions, closed (W x H x D): 215 x 160 x 50 mm

### 00 20 16

> 7 parts, contains 6 electronics pliers and one pair of precision tweezers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

### 00 20 16 P

> 6 parts, contains 6 precision electronics pliers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

### 00 20 16 P ESD

> 6 parts, contains 6 ESD precision electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

### 00 20 17

> 6 parts, contains 6 ESD precision electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

### 00 20 18

> 8 parts, contains 2 electronics pliers and 6 electronics screwdrivers; practical storage box, shock-resistant plastic, with foam insert

### 00 20 18 ESD

> 8 parts, contains 2 electronics pliers and 6 electronics screwdrivers, ESD electrically discharging version; practical storage box, shock-resistant plastic, with foam insert



00 20 16



00 20 16 P



00 20 16 P ESD



00 20 17



00 20 18



00 20 18 ESD

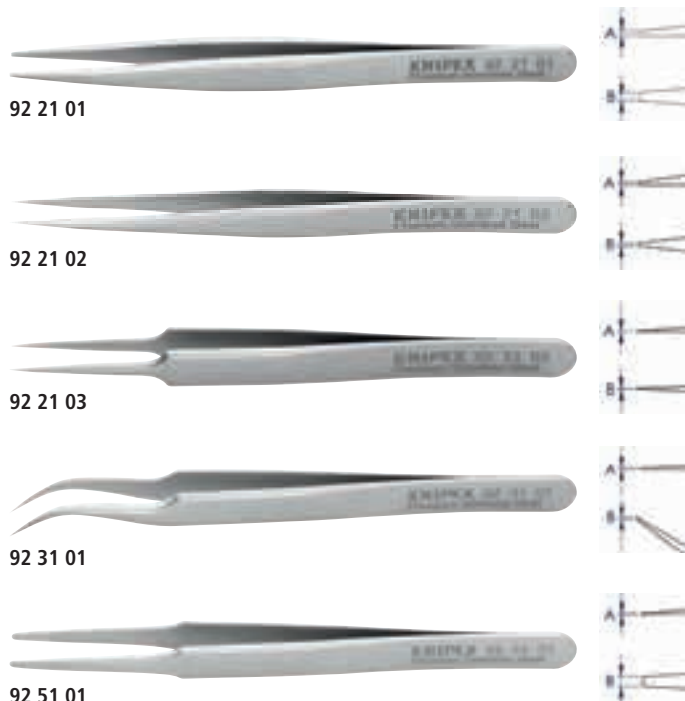
Article No.	EAN 4003773-	Contents	△ g
00 20 16	022619	35 12 115 / 35 22 115 / 35 32 115 / 64 32 120 / 77 02 115 / 77 42 115 / 92 34 36	720
00 20 16 P	063223	34 12 130 / 34 22 130 / 34 32 130 / 79 02 120 / 79 02 120 / 79 02 125 / 79 42 125	575
00 20 16 P ESD	063230	34 12 130 ESD / 34 22 130 ESD / 34 32 130 ESD / 79 02 120 ESD / 79 02 125 ESD / 79 42 125 ESD	585
00 20 17	031222	35 12 115 ESD / 35 22 115 ESD / 35 42 115 ESD / 64 32 120 ESD / 77 02 115 ESD / 77 32 115 ESD	695
00 20 18	033073	35 22 115 / 77 02 115 / screw drivers 0.4 x 2.5 / 0.5 x 3.0 / 0.6 x 3.5 / 0.8 x 4.0 / PH0 / PH1	460
00 20 18 ESD	051848	35 22 115 ESD / 77 02 115 ESD / screw drivers 0.4 x 2.5 / 0.5 x 3.0 / 0.6 x 3.5 / 0.8 x 4.0 / PH0 / PH1	465



# Precision Tweezers

## resistant to many chemicals

- > For particularly demanding precision work: tough and highly resistant to corrosion
- > Handcrafted: polished edges and an excellent matt, scratch-free and non-reflective surface
- > For the electronics industry, watchmakers, jewellers, laboratories with biological and medical applications in moderately aggressive chemical environments
- > High-quality premium stainless steel: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
- > Ideally suited for microscopic work, precision handling, repairs, manufacturing electronic components, as well as other general applications; tips are guaranteed to have perfect symmetry and balance
- > Also available as a set (92 00 02)
- > Premium stainless steel



Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	Δ g
92 21 01	00.SA.0.KN	085041	120 x 10 x 13		smooth	straight	pointed	0.5 x 0.9	21
92 21 02	3C.SA.0.KN	085065	110 x 9.5 x 11		smooth	straight	needle-point	0.12 x 0.18	12
92 21 03	5.SA.0.KN	085089	110 x 10 x 11		smooth	straight	needle-point	0.06 x 0.12	13
92 31 01	7.SA.0.KN	085027	120 x 10 x 11		smooth	angled 45°	needle-point	0.09 x 0.16	14
92 51 01	2A.SA.0.KN	085126	120 x 10 x 11		smooth	straight	blunt	0.13 x 1.9	15

# Mini Precision Tweezers

## for precision work in confined spaces

- > For particularly demanding precision work: tough and highly resistant to corrosion
- > Handcrafted: polished edges and an excellent matt, scratch-free and non-reflective surface
- > For the electronics industry, watchmakers, jewellers, laboratories with biological and medical applications in moderately aggressive chemical environments
- > High-quality premium stainless steel: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
- > Extra short and lightweight tweezers with narrow tips
- > Ideal for working in confined spaces, under the microscope and for precision close work
- > Ideal for sample handling, microscopy preparation, sorting, precision manufacturing, electronic assembly, rework and repair
- > Premium stainless steel

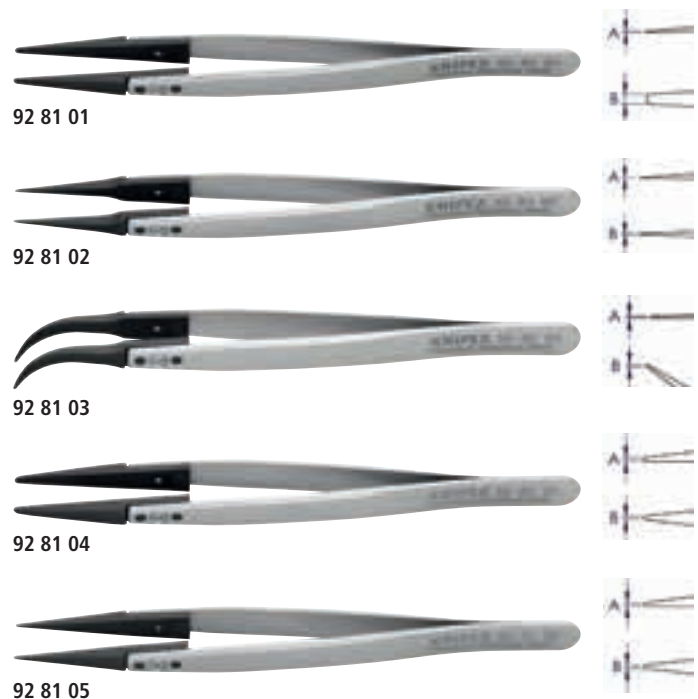


Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	Δ g
92 21 04	0C9.SA.0.KN	087526	90 x 8 x 10		smooth	straight	needle-point	0.09 x 0.15	9
92 21 05	M3.SA.1.KN	086703	70 x 7 x 7.5		smooth	straight	needle-point	0.1 x 0.2	6
92 21 06	M5.SA.1.KN	086710	80 x 6 x 7.5		smooth	straight	needle-point	0.08 x 0.13	7
92 51 02	M2A.SA.1.KN	086697	70 x 8 x 6.5		smooth	straight	blunt	0.1 x 1.2	6

# Tweezers with exchangeable tips ESD

## with versatile, exchangeable carbon fibre reinforced tips; electrically dissipative

- > For particularly demanding precision work: tough and highly resistant to corrosion
- > Maximum surface protection when handling sensitive electronic components, micro-mechanical parts, as well as glass and ceramic components
- > For the electronics and precision engineering industries, watchmakers and jewellers
- > Handcrafted body: polished edges and an excellent matt, scratch-free and non-reflective surface
- > High-quality premium stainless steel body: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
- > The interchangeable tips are made from 30 % carbon fibre reinforced plastic: very good electrical and thermal conductivity, scratch-proof and with high abrasion resistance
- > The interchangeable, carbon fibre reinforced plastic tips have a surface resistance between  $10^2$  and  $10^4$  ohms to compensate in a controlled manner the differences in potential between the operator and electronic components
- > The interchangeable tips are permanently temperature stable up to 130 °C, and up to 190 °C for short periods
- > The carbon fibre reinforced plastic tips are extremely flexible, fatigue-resistant, vibration-dampening and water-repellent
- > The tips have good chemical resistance to most oils, lubricants, fuels and nonpolar solvents
- > The same accuracy and stability as regular tweezers: the plastic tips have a 3-point connection with zero backlash (2 fixed points on the arms, one screw), which guarantee the user perfect attachment to the body with zero backlash
- > Potential savings: the tip assortment includes a selection of the most diverse shapes. Depending on the application, only the tips need to be purchased later
- > Premium stainless steel



### Interchangeable ESD tips



Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	⚖ g
92 81 01	2ACFR.SA.1.KN	087090	130 x 10 x 17		smooth	straight	blunt	0.4 x 2.0	17
92 81 02	5CFR.SA.1.KN	087113	130 x 10 x 17		smooth	straight	pointed	0.4 x 0.6	17
92 81 03	7CFR.SA.1.KN	087137	130 x 15 x 17	$\angle 60^\circ$	smooth	angled 60°	pointed	0.4 x 0.7	17
92 81 04	249CFR.SA.1.KN	087151	130 x 10 x 17		smooth	straight	blunt	1.0 x 2.0	17
92 81 05	259CFR.SA.1.KN	087175	130 x 10 x 17		smooth	straight	pointed	0.7 x 0.6	17
92 89 01		087106	Exchangeable ESD tips for 92 81 01						
92 89 02		087120	Exchangeable ESD tips for 92 81 02						
92 89 03		087144	Exchangeable ESD tips for 92 81 03						
92 89 04		087168	Exchangeable ESD tips for 92 81 04						
92 89 05		087182	Exchangeable ESD tips for 92 81 05						

# Cutting Tweezers

## hard and sharp for finest cutting work

- > For particularly demanding precision work: made from high-quality, martensitic hardened steel, tough and highly resistant to corrosion
- > Stainless steel with a slim, tapered design for maximum precision when cutting, dissecting and segmenting extremely small objects in tight spaces
- > For the electronics industry, as well as repairs and handicrafts
- > Mainly used for cutting soft copper, gold or silver wires, as well as magnetic wires
- > With extremely hard and sharp oblique cutting nippers
- > Also available as an ESD-version: with black epoxy resin coating and a surface resistance between  $10^3$  and  $10^9$  ohms
- > ESD version only: this allows to compensate in a controlled manner the differences in potential between the operator and electronic components
- > Stainless steel

### 92 11 01 ESD

- > Stainless steel, DIN EN 61340 -5-1

### 92 11 01

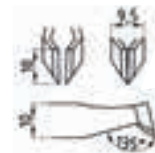
- > Stainless steel



92 11 01



92 11 01 ESD



Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	g
92 11 01	15AGW.S.O.KN	085003	115 x 11 x 15		smooth	bent	Cutting Edges	4.75 x 10.0	25
92 11 01 ESD	15AGW.S.N.O.KN	086727	115 x 11 x 17		smooth	bent	Cutting Edges	4.75 x 10.0	26

# Universal Tweezers

## Ideal for demanding standard applications

- > Universal Tweezers are suitable for demanding standard applications and precision tasks
- > Wide range of designs: straight, angled, gripping surfaces and handles smooth or serrated, with needle points, narrow or blunt tips, as well as different lengths
- > For the electronics industry, watchmakers and jewellers
- > High-quality stainless steel: extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
- > Stainless steel

### 92 01 05 / 92 01 06

- > Premium stainless steel

### 92 34 37

- > Steel, black lacquered



92 01 05



92 01 06



92 21 07



92 21 08



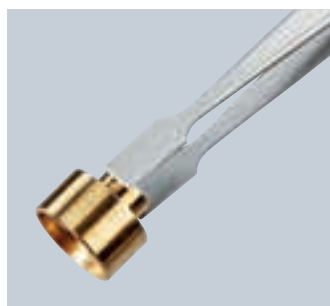
92 22 04

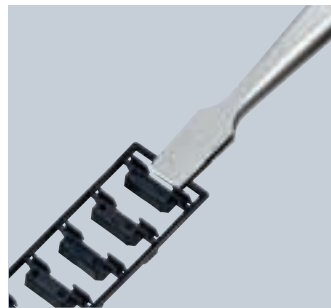


92 22 06



92 22 07





Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	△ g
92 01 05	34A.SA.1.KN	086758	120 x 10 x 12		serrated	straight	blunt	0.17 x 6.0	15
92 01 06	36A.SA.1.KN	086765	120 x 10 x 18		serrated	angled 30°	blunt	0.17 x 6.0	15
92 21 07	3C.SA.B.KN	086734	110 x 10 x 10		smooth	straight	needle-point	0.2 x 0.25	13
92 21 08	5S.SA.B.KN	086741	140 x 8 x 12		smooth	straight	needle-point	0.2 x 0.3	15
92 22 04	AA.SA.B.KN	054665	128 x 12 x 10		smooth	straight	pointed	0.3 x 0.5	18
92 22 06	00.SA.B.KN	054672	120 x 10 x 11		smooth	straight	needle-point	0.25 x 0.25	20
92 22 07	3.SA.B.KN	054689	125 x 11 x 10		smooth	straight	needle-point	0.2 x 0.25	15
92 22 12	5.SA.B.KN	054696	110 x 10 x 11		smooth	straight	needle-point	0.2 x 0.2	13
92 22 13	GG.SA.B.KN	054702	130 x 11 x 14		smooth	straight	pointed	0.4 x 0.5	18
92 22 35	648.SA.B.KN	054719	155 x 8 x 18		serrated	straight	pointed	0.5 x 0.5	25
92 32 29	7.SA.B.KN	054818	118 x 10 x 10		smooth	angled 35°	needle-point	0.25 x 0.3	15
92 34 36	649.SA.B.KN	054832	152 x 8 x 18		serrated	angled 25°	pointed	0.5 x 0.5	27
92 34 37	649.SA.NE.B	054849	155 x 8 x 14		serrated	angled 25°	pointed	0.8 x 0.8	21
92 52 23	2A.SA.B.KN	054894	118 x 10 x 10		smooth	straight	blunt	0.3 x 2.0	16
92 61 01	7320.SA.B.KN	085119	200 x 12 x 20		serrated	straight	blunt	2.0 x 3.2	58
92 61 02	7330.SA.B.KN	085133	300 x 15 x 22		serrated	straight	blunt	2.5 x 4.7	114
92 64 43	7312.SA.B.KN	054917	120 x 10 x 14		serrated	straight	blunt	1.2 x 2.7	17
92 72 45	7314.SA.B.KN	054962	145 x 11 x 15		serrated	straight	blunt	1.3 x 2.7	23
92 84 18	AAPPST.SA.B.KN	054986	126 x 11 x 18		smooth	straight	blunt	0.5 x 1.0	18

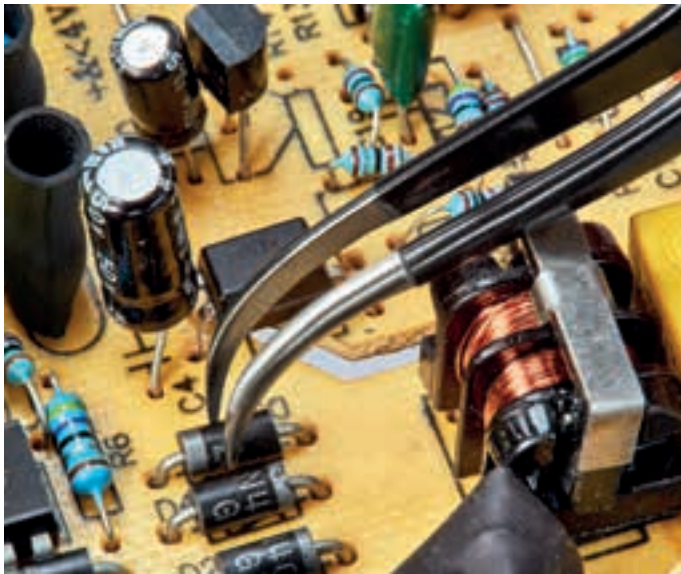
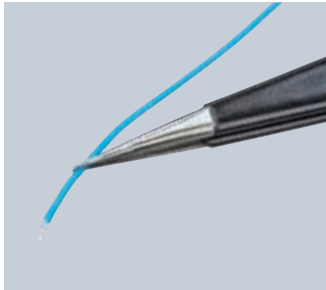


# Universal Tweezers ESD

DIN EN 61340 -5-1

**electrically dissipative, for electronics and fine mechanics**

- > For secure handling of electronic workparts: equalize differences in electrical potential between their user and the workpieces in a controlled manner
- > ESD-tested, black epoxy resin coating with a surface resistance between  $10^3$  and  $10^9$  ohms
- > For the electronics and precision engineering industries
- > Antimagnetic to avoid electromagnetic damage
- > Wide range of designs: straight, angled, gripping surfaces and handles smooth or serrated, with needle points, narrow or blunt tips
- > The high quality stainless steel ensures extreme toughness and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
- > Also available as a set (92 00 01 ESD)
- > Stainless steel



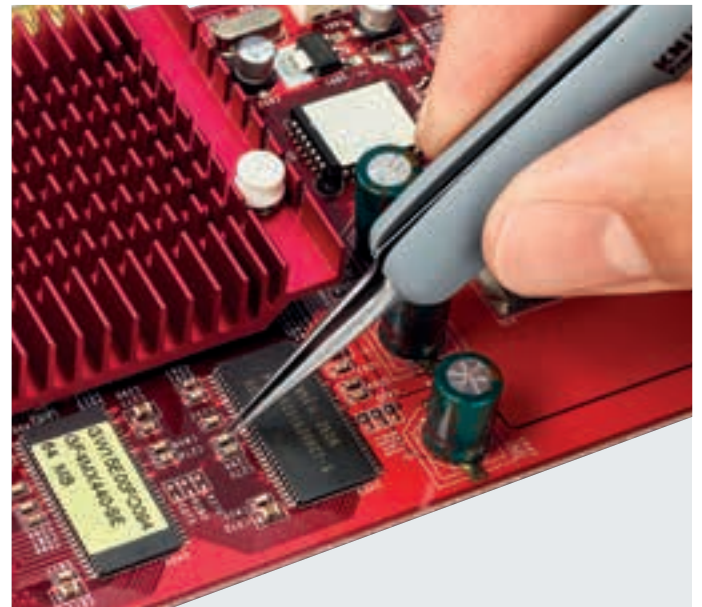
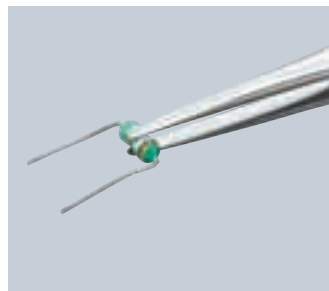
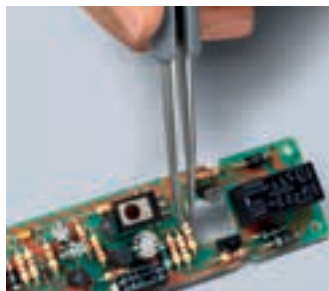
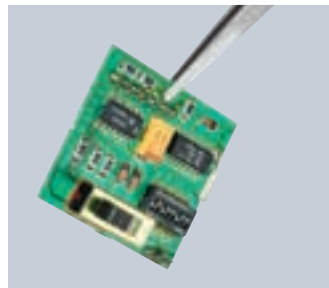
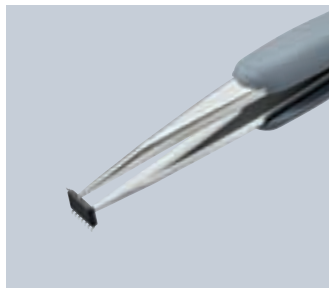
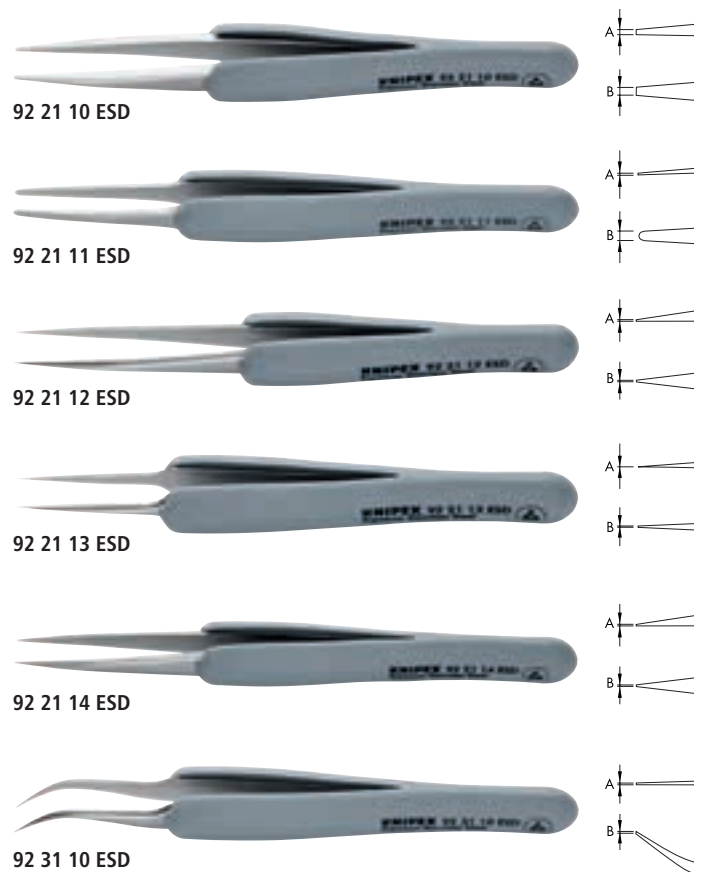
Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	△ g
92 21 01 ESD	3.SA.NE.B.KN	086772	125 x 11 x 12		smooth	straight	needle-point	0.2 x 0.25	15
92 21 02 ESD	AA.SA.NE.B.KN	086789	128 x 12 x 12		smooth	straight	pointed	0.3 x 0.5	19
92 21 03 ESD	SS.SA.NE.B.KN	086796	140 x 8 x 14		smooth	straight	needle-point	0.2 x 0.3	16
92 28 69 ESD	00.SA.NE.B.KN	054771	120 x 10 x 13		smooth	straight	needle-point	0.25 x 0.25	20
92 28 70 ESD	3C.SA.NE.B.KN	054788	110 x 10 x 12		smooth	straight	needle-point	0.2 x 0.25	14
92 28 71 ESD	5.SA.NE.B.KN	054795	110 x 10 x 12		smooth	straight	needle-point	0.2 x 0.2	14
92 28 72 ESD	GG.SA.NE.B.KN	054801	130 x 11 x 14		smooth	straight	pointed	0.4 x 0.5	18
92 38 75 ESD	7.SA.NE.B.KN	054863	118 x 10 x 12	$\angle 35^\circ$	smooth	angled 35°	needle-point	0.25 x 0.3	15
92 58 74 ESD	2A.SA.NE.B.KN	054900	118 x 10 x 12		smooth	straight	blunt	0.3 x 2.0	16
92 78 77 ESD	7314.SA.NE.B.KN	054979	145 x 11 x 17		serrated	straight	blunt	1.3 x 2.7	24

# Precision Tweezers with rubber handles ESD

DIN EN 61340 -5-1

for frequent handling of ESD-sensitive components or small static objects

- For secure handling of electronic workparts: equalize differences in electrical potential between their user and the workpieces in a controlled manner
- Maximum comfort for frequent use
- Handles suitable for use in clean rooms and controlled environments
- > For medical technology, electronics, microscopy, industry
- > For particularly demanding precision work: tough and highly resistant to corrosion
- > Antimagnetic to avoid electromagnetic damage
- > ESD-tested, soft, and ergonomic handle sleeves with a surface resistance between  $10^3$  and  $10^9$  ohms
- > Premium stainless steel core: extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
- > Premium stainless steel



Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	Δ g
92 21 10 ESD	00.SA.DRG.0.KN	088608	123 x 15 x 18		rubber handles	straight	pointed	0.5 x 0.9	30
92 21 11 ESD	2A.SA.DRG.0.KN	088615	123 x 15 x 16		rubber handles	straight	blunt	0.13 x 0.9	22
92 21 12 ESD	3C.SA.DRG.0.KN	088622	112 x 14 x 15		rubber handles	straight	needle-point	0.12 x 0.18	19
92 21 13 ESD	5.SA.DRG.0.KN	088639	112 x 15 x 16		rubber handles	straight	needle-point	0.06 x 0.12	20
92 21 14 ESD	AA.SA.DRG.6.KN	088653	130 x 15 x 16		rubber handles	straight	pointed	0.5 x 0.5	20
92 31 10 ESD	7.SA.DRG.0.KN	088646	122 x 15 x 15	45°	rubber handles	straight	needle-point	0.09 x 0.16	22

# KNIPEX Precision Tweezers – the perfect specialists for all precision work

Precision Tweezers can be used in all areas where the targeted gripping of smaller parts is key.

- ▶ Numerous tip types, also for specialised precision work
- ▶ Variants with coated handles for electrical insulation up to 1000 volts or controlled equalisation of electrostatic differences in electrical potential (ESD)
- ▶ Wide choice of materials: depending on requirements, stainless steel, spring steel or plastic; rust-resistant, anti-magnetic or particularly resistant made of titanium

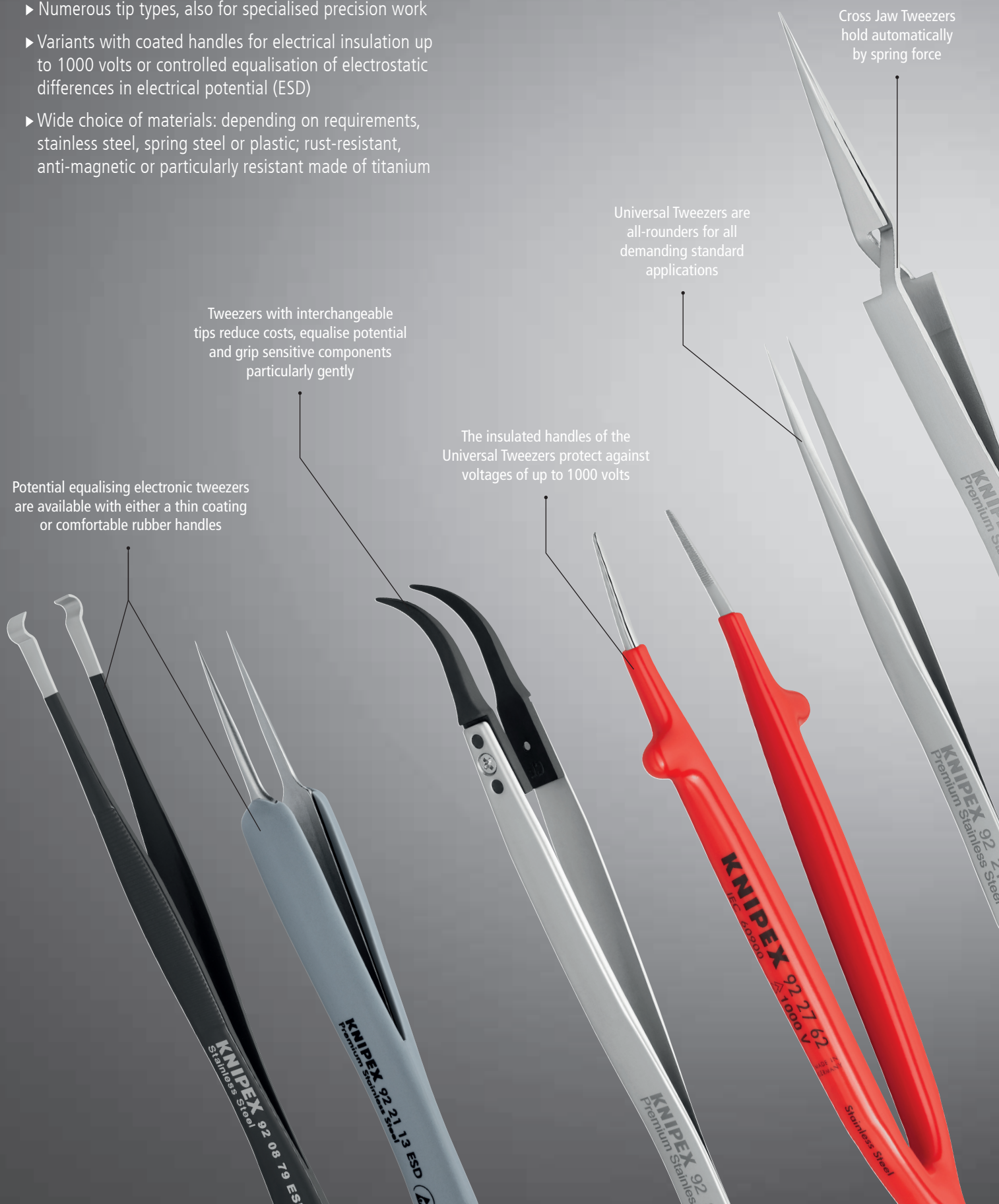
Tweezers with interchangeable tips reduce costs, equalise potential and grip sensitive components particularly gently

Potential equalising electronic tweezers are available with either a thin coating or comfortable rubber handles

The insulated handles of the Universal Tweezers protect against voltages of up to 1000 volts

Universal Tweezers are all-rounders for all demanding standard applications

Cross Jaw Tweezers hold automatically by spring force





# SMD Precision Tweezers

## optimised for electronic work with SMD components

- > When working on SMD components (SMD = surface mounted device): the fine geometry of the SMD tweezers also allows work to be carried out on electronic components that can be soldered directly onto the circuit board using solderable connecting surfaces
- > Handcrafted: polished edges and an excellent matt, scratch-free and non-reflective surface
- > For assembly work, laboratory processes, clean room environments, circuit board repairs and reworking in the electronics industry
- > High-quality premium stainless steel: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
- > Antimagnetic to avoid electromagnetic damage
- > The variety of designs and jaw types enables small components to be held, positioned and controlled securely in confined spaces
- > Also available as a set (92 00 03)
- > Stainless steel



92 01 01



92 01 02



92 01 03



92 01 04



92 02 54

Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	g
92 01 01	SM103.SA.1.KN	085522	115 x 10 x 11	45°	smooth	angled 45°	positioning	0.33 x 1.6	15
92 01 02	SM107.SA.1.KN	085539	120 x 10 x 11	35°	smooth	double-angled 35°	positioning	0.15 x 1.5	15
92 01 03	SM108.SA.1.KN	085546	120 x 10 x 11		smooth	straight	positioning	0.3 x 1.5	15
92 01 04	SM111.SA.1.KN	085591	115 x 10 x 11	45°	smooth	angled 45°	positioning	0.5 x 1.5	15
92 02 54	SM115.SA.1.KN	054610	115 x 10 x 11	30°	smooth	angled 30°	positioning	0.6 x 0.9	14

# SMD Precision Tweezers ESD

## DIN EN 61340 -5-1

- > This allows to compensate in a controlled manner the differences in potential between the operator and electronic components
- > With a tested black epoxy resin coating with a surface resistance between 10<sup>4</sup> and 10<sup>9</sup> ohms
- > Stainless steel



92 08 78 ESD



Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	g
92 08 78 ESD	SM109.SA.NE.B.KN	054634	118 x 10 x 12	45°	smooth	angled 45°	positioning	0.5 x 2.5	15



# Positioning Tweezers

## for exact positioning or pulling of small components

- > Makes it easy to hold, insert and pull even the smallest elongated components
- > With gripping surfaces in dimensionally adapted designs, for example for firmly and securely positioning or pulling sensitive rounded or cuboid components
- > For through-hole technology (THT) and pin-in-hole technology (PIH)
- > Antimagnetic to avoid electromagnetic damage
- > Stainless steel



Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	g
92 01 07	5574.SA.B.KN	086932	143 x 11 x 17	$\angle 90^\circ$	serrated	angled 90°	positioning	3.5 x 5.8	22
92 11 02	5572.SA.B.KN	085034	145 x 11 x 16.5		serrated	straight	positioning	2.8 x 5.5	24
92 11 03	572.SA.B.KN	085553	122 x 10 x 14.5		serrated	straight	positioning	2.5 x 4.0	14

# Positioning Tweezers ESD

## DIN EN 61340 -5-1

- > Allow to compensate in a controlled manner the differences in potential between the operator and electronic components
- > With a tested black epoxy resin coating with a surface resistance between  $10^3$  and  $10^9$  ohms
- > Stainless steel



Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	g
92 08 79 ESD	572.SA.NE.B.KN	054641	122 x 10 x 14.5	$\angle 35^\circ$	serrated	straight	positioning	2.5 x 4.0	15
92 16 01 ESD	578B.SA.NE.B.KN	086949	120 x 10 x 14	$\angle 35^\circ$	smooth	angled 35°	positioning	1.5 x 3.8	15
92 16 02 ESD	572B.SA.NE.B.KN	086956	120 x 10 x 14.5	$\angle 35^\circ$	smooth	angled 35°	positioning	0.6 x 0.8	15

# Titanium Tweezers

## extremely light, heat-, corrosion- and acid-resistant

- > Particularly suitable for precision tasks that require corrosion resistance, high strength and low weight
- > The high-quality titanium alloy offers high temperature resistance and very good resistance to corrosion in air, sea and a variety of industrial environments at room temperature
- > For cleaning or chemical processes, use at high temperatures and in biology, medicine or surgery
- > 100 percent anti-magnetic
- > Antibacterial
- > Titanium

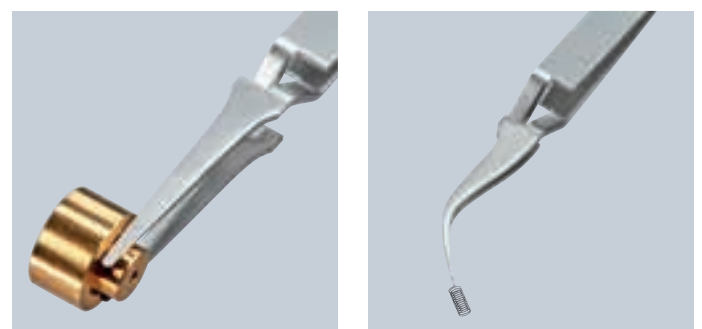


Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	g
92 23 01	5.TA.0	085010	110 x 10 x 11		smooth	straight	needle-point	0.09 x 0.15	9
92 23 05	3.TA.0	054726	120 x 10 x 11		smooth	straight	pointed	0.6 x 0.8	10

# Precision Cross Jaw Tweezers

## hold automatically due to their spring force, for filigree work

- > Hold automatically: Their spring force makes these holding tweezers perfect for soldering small and very small components, among other uses
- > For applications that require a high-precision self-closing function, for example in microscopy or for precision assembly or soldering tasks
- > For soldering work on transistors, wire diodes, etc.
- > Suitable for a wide variety of applications in the electronics industry due to perfectly symmetrical tips and excellent balance
- > Handcrafted, with an excellent matt, scratch-free and non-reflective surface
- > Precision cross-over tweezers for particularly challenging applications when corrosion resistance and toughness are the main requirements
- > The high-quality premium stainless steel versions offer high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
- > Premium stainless steel



Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	g
92 91 01	2AX.SA.1.KN	086802	120 x 10 x 11		smooth	straight	blunt	0.13 x 1.9	13
92 91 02	3X.SA.1.KN	086819	120 x 10 x 11		smooth	straight	needle-point	0.12 x 0.2	12
92 91 03	7X.SA.1.KN	086826	115 x 10 x 11		smooth	angled 45°	needle-point	0.22 x 0.25	13

# Universal cross jaw tweezers

**hold automatically due to their spring force, ideal helpers for soldering**

- > Hold automatically: Their spring force makes these holding tweezers perfect for soldering small and very small components, among other uses
- > For applications that require a high-precision self-closing function, for example in microscopy or for precision assembly or soldering tasks
- > For soldering work on transistors, wire diodes, etc.
- > Suitable for a wide variety of applications in the electronics industry due to perfectly symmetrical tips and excellent balance
- > The high quality stainless steel ensures extreme toughness and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
- > Stainless steel



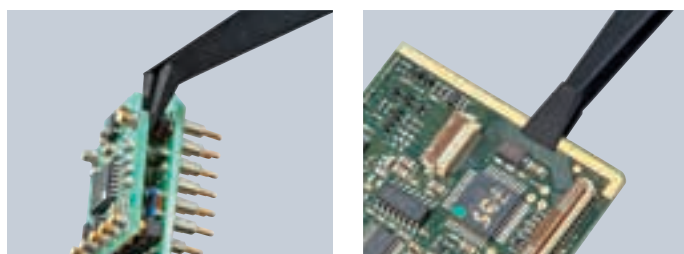
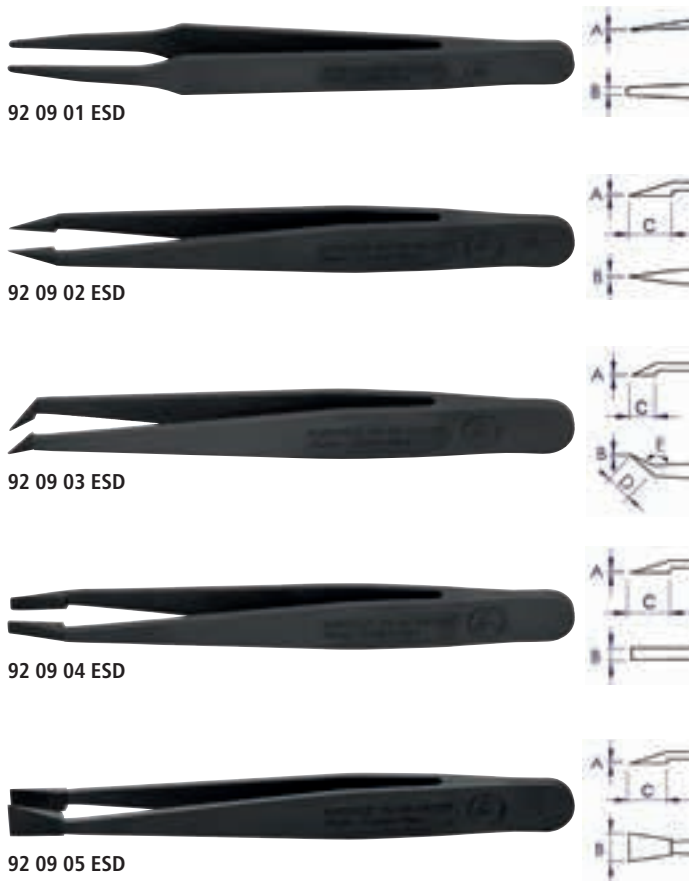
Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	$\Delta$ g
92 94 91	5518.SA.B.KN	055006	160 x 11.5 x 13		serrated	straight	blunt	1.3 x 4.5	34
92 95 89	29.SA.B.KN	055013	165 x 11 x 20		smooth	straight	blunt	0.8 x 1.0	33
92 95 90	30.SA.B.KN	055020	162 x 11 x 20	$\angle 40^\circ$	serrated	angled 40°	blunt	0.8 x 1.0	32

## Plastic Tweezers ESD

**DIN EN 61340 -5-1**

**extremely light and robust, electrically dissipative**

- > ESD tweezers are made of 30 % carbon fibre reinforced plastic, are electrically and thermally highly conductive and are characterised by high resistance to abrasion and scratching
- > With a surface resistance between  $10^2$  and  $10^4$  ohms to compensate in a controlled manner the differences in potential between the operator and the electronic components
- > ESD plastic tweezers are temperature-stable up to 130° C, short-term use is possible at up to 190° C
- > The carbon fibre reinforced plastic of the ESD variants is extremely flexible, fatigue-resistant, vibration-reducing and water-repellent, with good chemical resistance to most oils, greases, fuels and nonpolar solvents
- > ESD plastic tweezers are ideal for maximum surface protection when handling sensitive electronic components, micro-mechanical parts, as well as glass and ceramic components
- > ESD plastic tweezers: also available as a set (92 00 05 ESD)
- > Carbon fibre-reinforced plastic

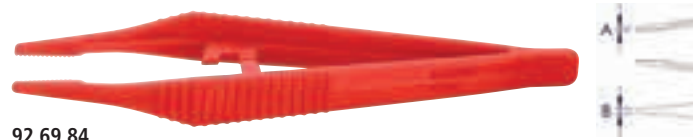


Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	Tip width A x B x C x D mm	$\Delta$ g
92 09 01 ESD	702A.CF.KN	086970	115 x 9.5 x 13		smooth	straight	blunt	0.35 x 2.0	0.35 x 2.0	4
92 09 02 ESD	707.CF.KN	086987	115 x 11.5 x 15		smooth	straight	needle-point	0.5 x 0.3	0.5 x 0.3 x 9.5	5
92 09 03 ESD	708.CF.KN	086994	110 x 11.5 x 15	$\angle 45^\circ$	smooth	angled 45°	pointed	0.5 x 0.4	0.5 x 0.4 x 5.8 x 8.5	5
92 09 04 ESD	709.CF.KN	087007	115 x 11.5 x 15		smooth	straight	blunt	0.12 x 3.3	0.12 x 3.3 x 11.5	4
92 09 05 ESD	710.CF.KN	087014	115 x 11.5 x 15		smooth	straight	blunt	0.12 x 7.7	0.12 x 7.7 x 11.3	4

# Plastic Tweezers

## extremely light and robust

- > Plastic disposable tweezers for the chemicals, pharmaceuticals or cosmetics sector, food industry and scientific use; ideal for gripping, holding and moving small objects, such as fine tissues, small items or solid samples
- > Made of 30 % glass fiber reinforced plastic for high strength and flexibility
- > Plastic disposable tweezers are characterised by their high temperature resistance and excellent chemical resistance
- > The grooved handles ensure optimum safe handling and precision; with internally serrated tips and a particularly wide clamping area
- > Glass fibre reinforced plastic



92 69 84



Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	Δ g
92 69 84	926984.HI.KN	054948	129 x 13 x 33		serrated	straight	blunt	2.0 x 3.0	5

# Universal Tweezers

## DIN EN 60900, IEC 60900

### tested protection against electrical voltage up to 1000 V

- > With insulated handles for working on electrical installations: safety up to 1000 V
- > For a wide range of requirements and applications in the electronics industry
- > Antimagnetic to avoid electromagnetic damage
- > High-quality stainless steel: extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
- > Also available as a set (92 00 04)
- > Stainless steel



92 27 61



92 27 62



92 37 64



92 47 01



92 67 63

Article No.	International Code	EAN 4003773-	L x B x H mm	Gripping surface	Handles	Finish	Tweezers tip version	Tips width A x B mm	Δ g
92 27 61	54069IK.SA.B.00	054757	128 x 32 x 13	$\Delta$ 1000 V	with dipped insulation	straight	pointed	0.5 x 0.5	19
92 27 62	55015IK.SA.B.00	054764	157 x 40 x 12	$\Delta$ 1000 V	with dipped insulation	straight	pointed	1.0 x 1.3	23
92 37 64	55015IBK.SA.B.00	054856	155 x 35 x 12	$\Delta$ 1000 V $\angle 30^\circ$	with dipped insulation	angled 30°	blunt	1.0 x 1.3	24
92 47 01	73014BK.SA.B.00	086963	147 x 35 x 16	$\Delta$ 1000 V $\angle 30^\circ$	with dipped insulation	angled 30°	blunt	1.3 x 3.0	43
92 67 63	73014K.SA.B.00	054931	147 x 38 x 14	$\Delta$ 1000 V	with dipped insulation	straight	blunt	1.3 x 3.0	43



# Stripping Tweezers for coated wire

- > Stripping tweezers for coated wire are used to remove insulating coatings from wires, especially for industrial use
- > For the electronics industry, as well as repairs and handicrafts
- > Also available: four spare blades for different diameters
- > Tweezers body: spring steel, oil-hardened
- > Handle shells: plastic



Article No.	International Code	EAN 4003773-	↔ mm	Finish	Stripping capacities Ø mm	⚖ g
15 11 120	253040.C.BI.8	015550	120	black lacquered	0.6	34
15 19 005		021551	1 pair of spare blades for 15 11 120 Ø 0.5 mm			
15 19 006		021568	1 pair of spare blades for 15 11 120 Ø 0.6 mm			
15 19 008		021575	1 pair of spare blades for 15 11 120 Ø 0.8 mm			
15 19 010		021582	1 pair of spare blades for 15 11 120 Ø 1.0 mm			



# Precision Tweezers Set

## 5 parts

► Optimum combination: the tweezer sets come in various combinations in a high-quality tool roll for safe transport and damage-free storage

- > Five high-quality sets of tweezers: Precision Tweezers, Universal Tweezers, SMD-, ESD, Plastic and Insulated Tweezers
- > Two different tool rolls (VDE set with 5 compartments; others with 7 compartments)

### 92 00 04 Universal Tweezers Set

- > Insulated
- > DIN EN 60900, IEC 60900

### 92 00 01 ESD / 92 00 05 ESD

- > DIN EN 61340 -5-1



92 00 01 ESD



92 00 02



92 00 03



92 00 04



92 00 05 ESD

Article No.	International Code	EAN 4003773-	Contents	g
92 00 01 ESD	K5-ECO.SA.NE.B	087038	92 28 69 ESD / 92 28 70 ESD / 92 28 71 ESD / 92 38 75 ESD / 92 58 74 ESD	180
92 00 02	K5HP.SA	087021	92 21 01 / 92 21 02 / 92 21 03 / 92 31 01 / 92 51 01	175
92 00 03	K5SMDF	087045	92 01 01 / 92 01 02 / 92 01 03 / 92 01 04 / 92 02 54	174
92 00 04	K5REDK.SA.B	087052	92 27 61 / 92 27 62 / 92 37 64 / 92 47 01 / 92 67 63	275
92 00 05 ESD	K5PICF	087069	92 09 01 ESD / 92 09 02 ESD / 92 09 03 ESD / 92 09 04 ESD / 92 09 05 ESD	120
00 19 92 V01 LE		087229	Tool Roll for insulated tweezers, 5 compartments, empty	100
00 19 92 V02 LE		087236	Tool Roll for tweezers, 7 compartments, empty	100

# TOOLS WITH TETHERING

Lanyards	298
Adapter Straps	300
Tethering System Set	302
Carabiner	303
An overview of our tools with tethering	304

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**14**

15



00 50 50 T LE



# KNIPEXTEND

## For the connection of helpful extensions

TetheredTool Clips (TTCs) for attaching a  
Tethered Tools fall protection



TetheredTool Clip



## KNIPEXTEND

New handles from KNIPEX  
Two KNIPEXtend interfaces for  
extensions\*



\*Further information can be found on the pages 2 – 5

# Tethered Tool system: what fits – and what doesn't

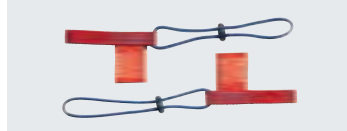
## Compatibility with KNIPEX tools

The lanyard and the adapter strap for tools up to 1.5 kg fit directly on all KNIPEX pliers with tether attachment point or TetheredTool Clip. The lanyard and the adapter strap for tools up to 6 kg do not fit directly on KNIPEX pliers with tether attachment point or TetheredTool Clip, but only together with the adapter strap or tools up to 1.5 kg.

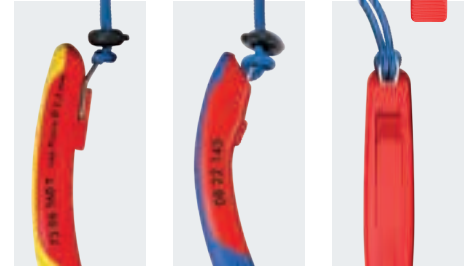
**Lanyard 1.5 kg (3.3 lbs)**  
00 50 05 T = 00 50 01 T & 00 50 03 T



**Adapter Strap 1.5 kg (3.3 lbs)**  
00 50 02 T



**Tools max. 1.5 kg (3.3 lbs)**



**KNIPEXTEND**

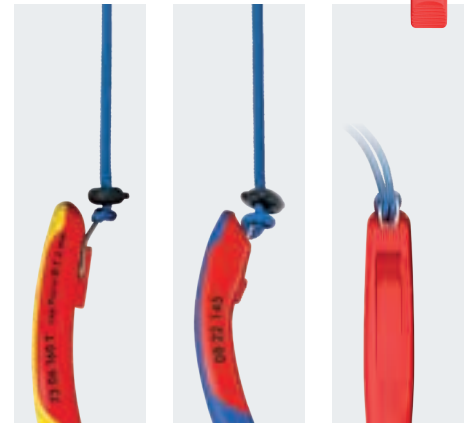
**Lanyard 6 kg (13 lbs)**  
00 50 12 T BK = 00 50 10 T & 00 50 03 T



**Adapter Strap 1.5 kg (3.3 lbs)**  
00 50 02 T



**Tools max. 1.5 kg (3.3 lbs)**



**KNIPEXTEND**

**Adapter Strap 6.0 kg (13 lbs)**  
00 50 11 T



**Tools max. 6 kg (13 lbs)**  
with engineered captive tether point



### Double-tested safety

according to ANSI ISEA 121-2018 and by the independent test laboratory VPA Remscheid

Article No.		Article No.		Article No.		Article No.	
00 50 01 T	1.5 kg (3.3 lbs)	00 50 05 T	1.5 kg (3.3 lbs)	00 50 10 T	6 kg (13 lbs)	00 50 12 T	6 kg (13 lbs)
00 50 02 T	1.5 kg (3.3 lbs)	00 50 06 T	1.5 kg (3.3 lbs)	00 50 11 T	6 kg (13 lbs)	00 50 13 T	6 kg (13 lbs)



# Lanyard

- For reliable tool protection: holding capacity for tools up to 1.5 kg tested in numerous drop tests
- Large working radius: long lanyard for convenient working

- > Reduces the risks of tool loss, injury to living beings and damage to objects
- > To meet regulations while working at heights, for example industrial climbing, arborists, rescue services, at sea, etc.
- > Lanyard can be attached directly with the cord or the carabiner to climbing equipment or fixed points provided for this purpose, quick change of the belay from the tool bag to the tether
- > The roughly 90 cm long gathered fabric strap tether stretches to a length of about 1.5 m when weight is applied
- > With strap made of a flat belt sewn to one end and a cord and cord stopper sewn into the other end
- > Suitable for all KNIPEX pliers with tether attachment point
- > No PPE (personal protective equipment): not suitable for personal safety!

## 00 50 01 T BK

- > Contents: Lanyard 00 50 01 T

## 00 50 05 T BK

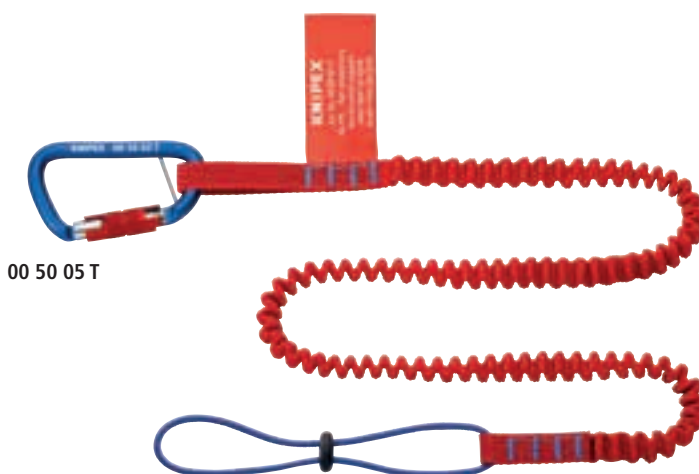
- > Contents: Lanyard 00 50 10 T, with fixed equipment carabiner 00 50 03 T

**1.5 kg**

Max. load



00 50 01 T



00 50 05 T



Article No.	EAN 4003773-	↔ Length relaxed mm	↔ Length stretched mm	Width mm	Height mm	Load capacity	△ g
00 50 01 T BK	081357	1000	1500	16	10	1.5 kg / 3.3 lbs	35
00 50 05 T BK	086048	900	1500	50	15	1,5 kg / 3.3 lbs	35

# Lanyard

- ▶ For reliable tool protection: holding capacity tested in numerous drop tests for tools up to 6 kg, even battery-operated tools
- ▶ Large working radius: long lanyard for convenient working
- > Reduces the risks of tool loss, injury to living beings and damage to objects
- > To meet regulations while working at heights, for example industrial climbing, arborists, rescue services, at sea, etc.
- > Tether can be attached directly to the cord side or the carabiner to climbing equipment
- > The roughly 90 cm long gathered fabric strap tether stretches to a length of about 1.5 m when weight is applied
- > With strap made of a flat belt sewn to one end and a cord and cord stopper sewn into the other end, each sewn four times
- > The additional loop on the lanyard allows for direct connection of the tool to the climbing equipment with a carabiner (sold separately)
- > Cord stopper made of solid aluminium, also available as a spare part
- > For KNIPEX pliers with tether attachment point only with 1.5 kg adapter strap 00 50 02 T
- > No PPE (personal protective equipment): not suitable for personal safety!

## 00 50 10 T BK

- > Contents: Lanyard 00 50 10 T BK

## 00 50 12 T BK

- > Contents: Lanyard 00 50 10 T, with fixed equipment carabiner 00 50 03 T



**6.0 kg**

Max. load



Article No.	EAN 4003773-	Length relaxed mm	Length stretched mm	Width mm	Height mm	Load capacity	g
00 50 10 T BK	088004	900	1400	95	27	6 kg / 13.2 lbs	179
00 50 12 T BK	088028	900	1500	95	28	6 kg / 13.2 lbs	138



## Adapter Straps

- For reliable tool protection: holding capacity for tools up to 1.5 kg tested in numerous drop tests
- Reliably prevents the tool falling down, and can protect against serious injuries, damage to property or loss

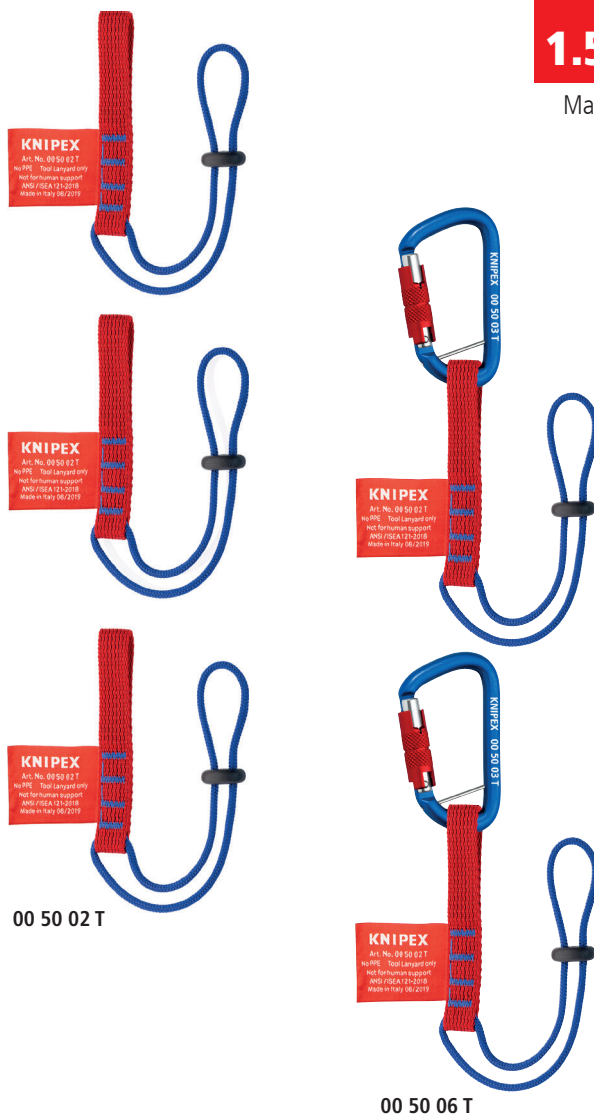
- > Reduces the risks of tool loss, injury to living beings and damage to objects
- > To meet regulations while working at heights, for example industrial climbing, arborists, rescue services, at sea, etc.
- > Diverse attachment options are possible in combination with the carabiner and lanyard
- > Adapter strap can be attached directly with the cord or the carabiner to the climbing equipment or fixed points provided for this purpose, quick change of the belay from the tool bag to the tether
- > With strap made of a flat belt sewn to one end and a cord and cord stopper sewn into the other end, each sewn four times
- > Suitable for all KNIPEX pliers with tether attachment point
- > No PPE (personal protective equipment): not suitable for personal safety!

### 00 50 02 T BK

> Contents: 3 adapter straps 00 50 02 T

### 00 50 06 T BK

> Contents: 2 adapter straps 00 50 01 T, with fixed equipment carabiner 00 50 03 T



**1.5 kg**

Max. load



Article No.	EAN	↔ Length relaxed mm	↔ Length stretched mm	Width mm	Height mm	Load capacity	△ g
00 50 02 T BK	081364	270	270	20	9	1.5 kg / 3.3 lbs	10
00 50 06 T BK	086055	340	340	50	15	1.5 kg / 3.3 lbs	35

# Adapter Straps

- ▶ For reliable tool protection: holding capacity tested in numerous drop tests for tools up to 6 kg, even battery-operated tools
  - ▶ For diverse ways of connecting tool fall protection
- > Reduces the risks of tool loss, injury to living beings and damage to objects
  - > To meet regulations while working at heights, for example industrial climbing, arborists, rescue services, at sea, etc.
  - > Diverse attachment options are possible in combination with the carabiner and lanyard
  - > Adapter strap can be attached directly with the cord or the carabiner to the climbing equipment or fixed points provided for this purpose, quick change of the belay from the tool bag to the tether
  - > With strap made of a flat belt sewn to one end and a cord and cord stopper sewn into the other end, each sewn four times
  - > For KNIPEX pliers with tether attachment point only with 1.5 kg adapter strap 00 50 02 T
  - > Cord stopper made of solid aluminium, also available as a spare part
  - > No PPE (personal protective equipment): not suitable for personal safety!

## 00 50 11 T BK

- > Contents: adapter strap 00 50 11 T

## 00 50 13 T BK

- > Contents: adapter strap 00 50 13 T, with fixed equipment carabiner 00 50 03 T

**6.0 kg**

Max. load



00 50 11 T



00 50 13 T



Article No.	EAN 4003773-	Length relaxed mm	Length stretched mm	Width mm	Height mm	Load capacity	g
00 50 11 T BK	088011	400	400	85	27	6 kg / 13.2 lbs	99
00 50 13 T BK	088035	186	186	85	27	6 kg / 13.2 lbs	13

# Tethering System Set

**1.5 kg**

Max. load

- ▶ Complete set for reliable tool protection: holding capacity for tools up to 1.5 kg tested in numerous drop tests
  - ▶ Set with lanyard (00 50 01 T), three adapter straps (00 50 02 T) and two carabiners (00 50 03 T)
  - ▶ The combination of the separate parts produces a versatile system with a large number of attachment options
- > Reduces the risks of tool loss, injury to living beings and damage to objects
  - > To meet regulations while working at heights, for example industrial climbing, arborists, rescue services, at sea, etc.
  - > The roughly 90 cm long gathered fabric strap tether stretches to a length of about 1.5 m when weight is applied
  - > Suitable for all KNIPEX pliers with tether attachment point
  - > Max. load: 1.5 kg tool weight
  - > No PPE (personal protective equipment): not suitable for personal safety!



Article No.	EAN	Contents	g
00 50 04 T BK	4003773-081388	1 x 00 50 01 T BK, 3 x 00 50 02 T BK, 2 x 00 50 03 T BK	123



# Carabiner

6.0 kg

Max. load














- ▶ For reliable tool protection: holding capacity tested in numerous drop tests for tools up to 6 kg, even battery-operated tools
  - ▶ Twistlock: prevents unintentional opening of the carabiner
- > To meet regulations while working at heights, for example industrial climbing, arborists, rescue services, at sea, etc.
  - > Mushroom head lock to increase tensile strength
  - > With pin to create an eyelet: can be inserted for a permanent connection between equipment carabiner and lanyard/adaptor strap
  - > Robust and light due to high-strength aluminium
  - > Snapper opening: 16 mm
  - > Max. static payload in longitudinal direction when locked: 2 KN
  - > Contents: 2 carabiners, security pins
  - > No PPE (personal protective equipment): not suitable for personal safety!


























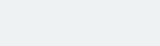




Article No.	EAN	Length mm	Width mm	Height mm	Snapper opening mm	Load capacity	⚖ g
00 50 03 T BK	4003773-081371	82	46	12	16	2 KN	30



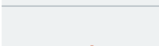






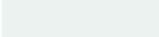
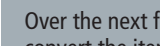
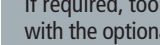


# An overview of our tools with tethering

	Article No.	Description	Page
	<b>00 50 50 T LE</b>	Tool bag for working at heights, empty (small), suitable for KNIPEX Tethered Tools system	356 357
	<b>00 50 51 T LE</b>	Tool bag for working at heights, empty (big), suitable for KNIPEX Tethered Tools system	356 357
	<b>02 02 225 T ⓘ</b>	High Leverage Combination Pliers 35 % less effort required than with conventional combination pliers due to improved lever action	11
	<b>03 06 180 T</b>	Combination Pliers with gripping zones for flat and round material	10 217
	<b>08 22 145 T ⓘ</b>	Needle-Nose Combination Pliers universal pliers for all common repair jobs	12 218
	<b>08 26 145 T</b>		12 218
	<b>09 02 240 T ⓘ</b>	Lineman's Pliers 50 % less effort compared with conventional combination pliers; additional gripping zone below the joint for powerful leverage and pressing performance	15
	<b>09 12 240 T ⓘ</b>		15
	<b>11 06 160 T</b>	Insulation Stripper for single, multiple and fine stranded conductors with plastic or rubber insulation	26 219
	<b>12 52 195</b>	KNIPEX PreciStrip16 for stripping fine wire and solid conductors from 0.08 to 16 mm <sup>2</sup> ; Fine adjustable zero correction of the blade setting to special material requirements, e.g. due to large temperature differences	19
	<b>12 72 190</b>	KNIPEX NexStrip®, Multi-Tool for Electricians Stripping with fine adjustment – for optimal adjustment to special materials or temperature conditions for flexible and solid conductors between 0.03 and 10 mm <sup>2</sup> (AWG 32–8)	21
	<b>13 05 160 T ⓘ</b>	Electricians' Pliers the ideal pliers for cable work; for gripping, bending, cutting wire and crimping of wire ferrules	40
	<b>13 66 180 T</b>	KNIPEX StriX® for stripping single, multiple and fine stranded conductors with plastic and rubber insulation; with cable shears for cutting Cu and Al cables	27 219

	Article No.	Description	Page
	<b>13 82 200 T ⓘ</b>	Pliers for Electrical Installation Multifunctional pliers for electrical installation; to grip flat and round material, for bending, deburring, cutting cable, stripping and crimping wire ferrules	42
	<b>13 96 200 T</b>		42 222
	<b>16 20 50 SB</b>	Folding Knife for Electricians universal folding cutter for everyday use; top quality, extremely sharp blade – Made in Solingen	39
	<b>25 06 160 T</b>	Snipe Nose Side Cutting Pliers for gripping and cutting work in precision mechanics; pointed, half-round jaws	55 223
	<b>26 12 200 T ⓘ</b>	Snipe Nose Side Cutting Pliers highly loadable, elastic precision tips; half-round, long jaws	56
	<b>26 15 200 T ⓘ</b>		56
	<b>26 16 200 T</b>		56 224
	<b>26 22 200 T ⓘ</b>		56
	<b>26 25 200 T ⓘ</b>		56
	<b>26 26 200 T</b>		56 224
	<b>38 35 200 T ⓘ</b>	Mechanics' Pliers high bending strength of the pliers tips	64
	<b>70 05 160 T ⓘ</b>	Diagonal Cutter narrow head style for use in confined areas; clean cutting also at cutting edge tips	96
	<b>70 05 180 T ⓘ</b>		96
	<b>70 06 160 T</b>		96 226
	<b>70 06 180 T</b>		96 226

	Article No.	Description	Page
	<b>71 02 200 T ⓘ</b>	KNIPEX CoBolt Extremely high cutting capacity with little effort required due to extremely effective joint design	105
	<b>71 22 200 T ⓘ</b>		106
	<b>71 32 200 T ⓘ</b>		107
	<b>73 05 160 T ⓘ</b>	KNIPEX X-Cut® for very tough, continuous use, high cutting performance with less effort; large opening width for thicker cable; also for fine wire; compact, weight-saving design	99
	<b>73 06 160 T</b>		99 227
	<b>74 02 200 T ⓘ</b>	High Leverage Diagonal Cutters for heavy duty; high cutting performance with minimum effort	100
	<b>74 02 250 T ⓘ</b>		100
	<b>74 06 200 T</b>		100 227
	<b>74 06 250 T</b>		100 227
	<b>74 22 200 T ⓘ</b>		100
	<b>74 22 250 T ⓘ</b>		100
	<b>86 05 180 T ⓘ</b>	Pliers Wrench für die schonende Montage von oberflächenveredelten Armaturen; parallel geführte glatte Backen; adjustment by pushbutton	114
	<b>86 05 250 T ⓘ</b>		114

	Article No.	Description	Page
	<b>87 02 180 T ⓘ</b>	KNIPEX Cobra® Push the button for adjustment on the workpiece; self-locking on pipes and nuts	122
	<b>87 02 250 T ⓘ</b>		122
	<b>87 02 300 T ⓘ</b>		122
	<b>87 26 250 T</b>	KNIPEX Cobra® VDE Push the button for adjustment on the workpiece: fast and comfortable handling	127 229
	<b>88 02 250 T ⓘ</b>	KNIPEX Alligator® Water Pump Pliers self-locking on pipes and nuts; box-joint design	128
	<b>88 02 300 T ⓘ</b>		128
	<b>90 10 165 BK</b>	KNIPEX CutiX Universal knife with individually adjustable blade stabilisation: The blade cannot be accidentally bent or broken	149
	<b>95 05 20 SB</b>	Angled Electricians' Shears glass fibre reinforce, with two crimp areas for wire ferrules, with plastic belt box	170
	<b>95 12 165 T ⓘ</b>	Cable shears precision-ground, hardened blades: clean and smooth cut without crushing	167
	<b>95 16 165 T</b>		167 233
	<b>95 62 190 T ⓘ</b>	Wire Rope Cutter Blade geometry prevents the wire rope fanning out; little handforce required due to very high transmission ratio; with two crimping dies for end caps on Bowden cable sheaths and end ferrules for traction cables	178
	<b>97 78 180 T</b>	Crimping Pliers for wire ferrules reliable crimping in 9 marked half-round dies with conical side faces	183 238



## Good things get better

Over the next few months, KNIPEX will successively convert the items labelled here to the new comfort handles with KNIPEXtend interface. Pliers with the VDE-tested, red-yellow handles are not affected by the change.

If required, tools with these handles can be extended with the optional TetheredTool Clips with tether attachment point, so that the respective "T" variants will probably be discontinued from 2025.

Details on the comfort handles can be found on page 2–5.



# TOOL ASSORTMENT AND TOOL CASES

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- "Robust26 Move" Electric	344		
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- "Robust45 Move" Electric	347		
- "Robust45 Move" Mechanic	348		



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## Belt Pouch XS

for KNIPEX Cobra® XS and Pliers Wrench XS

empty

> Tool bag made from durable polyester fabric, with hook-and-loop fastener and belt loop



00 19 72 XS LE

Article No.	EAN 4003773-	Width mm	Height mm	Depth mm	△ g
00 19 72 XS LE	087335	60	110	40	45

## Mini Pliers Set XS

in belt tool pouch

► Always to hand, always useful: Pliers Wrench XS and KNIPEX Cobra® XS in a practical belt pouch

> Tool bag made from durable polyester fabric, with hook-and-loop fastener and belt loop

> With pliers wrench XS: 100 mm tool length, parallel jaw opening gently grips up to 21 mm width across flats

> With KNIPEX Cobra® XS: 100 mm tool length, grips round workpieces up to 28 mm, with self-locking effect

> Dimensions (W x H x D): 60 x 110 x 40 mm



00 20 72 V04 XS



Both tools are held securely in the practical tool bag due to a robust hook-and-loop fastener – and yet close at hand.

Article No.	EAN 4003773-				Nominal size	Quantity	△ g
00 20 72 V04 XS	087328	Mini Pliers Set XS					175
		(PATENTED)	86 04 100	Pliers Wrench XS	100 mm	1	
		(PATENTED)	87 00 100	KNIPEX Cobra® XS Water Pump Pliers	100 mm	1	
00 19 72 XS LE	087335	Belt Pouch XS for KNIPEX Cobra® XS and Pliers Wrench XS empty					

## Belt Tool Pouch

empty

> Tool bag made from durable polyester fabric, with belt loop

> Conical bag for 1 to 3 hand tools

> Ideal form for the angled Electricians' Shears 95 05 20 SB

> Also suitable for KNIPEX CutiX® or similarly slim tools like the Pliers for Electrical Installation, KNIPEX TwinGrip®, etc.

> With pen compartment



00 19 75 LE



Article No.	EAN 4003773-	Width mm	Height mm	Depth mm	△ g
00 19 75 LE	088158	110	215	40	70

# Belt Pouch

for two pliers

empty

- > For two pliers up to 150 mm length
- > Made of hard-wearing polyester fabric, with hook-and-loop-fastener
- > With elastic side holder for small flash lamp, pen or suchlike
- > With practical belt clip



Article No.	EAN 4003773-	Width mm	Height mm	Depth mm	△ g
00 19 72 LE	070191	75	180	55	65

## Mini Pliers Sets

in belt tool pouch

- > Tool bag made from durable polyester fabric, with hook-and-loop fastener and belt loop
- > Dimensions (W x H x D): 75 x 180 x 55 mm



00 19 72 V01



00 20 72 V01



00 20 72 V02



00 20 72 V04



00 20 72 V06

Article No.	EAN 4003773-				Nominal size	Quantity	△ g
00 19 72 V01	072768	Cable Tie Cutting Set					345
		MM	79 02 125 S1	Precision Electronics Diagonal Cutter	150 mm	1	
		MM	86 05 150 S02	Pliers Wrench with roughened jaws	150 mm	1	
00 20 72 V01	070832	Mini pliers set in belt tool pouch					345
			86 03 150	Pliers Wrench	150 mm	1	
			87 01 125	KNIPEX Cobra® High-Tech Water Pump Pliers	125 mm	1	
00 20 72 V02	075851	Mini pliers set in belt tool pouch					420
			74 01 160	High Leverage Diagonal Cutter	160 mm	1	
			87 01 150	KNIPEX Cobra® High-Tech Water Pump Pliers	150 mm	1	
00 20 72 V04	078920	Mini pliers set in belt tool pouch					264
			86 03 125	Mini pliers wrench	125 mm	1	
			87 01 125	KNIPEX Cobra® High-Tech Water Pump Pliers	125 mm	1	
00 20 72 V06	081937	Mini pliers set in belt tool pouch					375
			08 22 145	Needle-Nose Combination Pliers	150 mm	1	
			87 01 150	KNIPEX Cobra® High-Tech Water Pump Pliers	150 mm	1	
00 19 72 LE	070191	Belt Pouch for two pliers empty					

# Tool Kits

- > Attractive sales packaging with Euro standard perforation
- > Tools in a plastic deep-drawn tray with transparent lid
- > Dimensions (W x H x D): 170 x 370 x 40 mm



00 20 09 V01



00 20 09 V02



00 20 09 V03



00 20 10



00 20 11

































00 20 11 V01



00 20 12

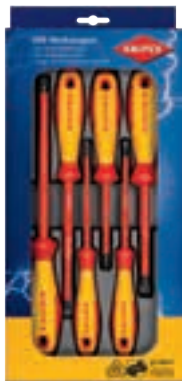


00 20 13

Article No.	EAN 4003773-				Nominal size	Quantity	g
00 20 09 V01	073994	Bestseller Set					955
			03 02 180	Combination Pliers	180 mm	1	
			70 02 160	Diagonal Cutter	160 mm	1	
			87 01 250	KNIPEX Cobra® High-Tech Water Pump Pliers	250 mm	1	
00 20 09 V02	074793	KNIPEX Cobra® Set					1220
			87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers	180 mm	1	
			87 01 250		250 mm	1	
			87 01 300		300 mm	1	
00 20 09 V03	074809	KNIPEX Alligator® Set					1195
			88 01 180	KNIPEX Alligator® Water Pump Pliers	180 mm	1	
			88 01 250		250 mm	1	
			88 01 300		300 mm	1	
00 20 10	010388	Power Set					865
			02 01 180	High Leverage Combination Pliers	180 mm	1	
			74 01 160	High Leverage Diagonal Cutter	160 mm	1	
			87 01 250	KNIPEX Cobra® High-Tech Water Pump Pliers	250 mm	1	
00 20 11	012405	Assembly Set					815
			03 02 180	Combination Pliers	180 mm	1	
			26 12 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1	
			70 02 160	Diagonal Cutter	160 mm	1	
00 20 11 V01	064091	Assembly Set					870
			03 05 180	Combination Pliers	180 mm	1	
			26 15 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1	
			74 05 180	High Leverage Diagonal Cutter	180 mm	1	
00 20 12	012412	Electro Set					960
		 	03 06 180	Combination Pliers	180 mm	1	
		 	26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1	
		 	70 06 160	Diagonal Cutter	160 mm	1	
00 20 13	043287	VDE Tool Set					780
		 	006110	Screwdrivers for slotted screws 160i	0.6 x 3.5 x 100 mm	1	
		 	006120	Screwdrivers for slotted screws 160i	1.0 x 5.5 x 125 mm	1	
		 	006154	Screwdrivers for cross recessed Phillips® screws 162i PH	PH2 x 100 mm	1	
		 	26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1	
		 	70 06 160	Diagonal Cutter	160 mm	1	

# Screwdriver sets VDE

- > Attractive sales packaging with Euro standard perforation
- > Tools in a plastic deep-drawn tray with transparent lid
- > Burnished tip, insulating multi-component handle, VDE-tested
- > Dimensions (W x H x D): 170 x 370 x 40 mm



00 20 12 V01



00 20 12 V01























00 20 12 V01



00 20 12 V01








00 20 12 V01

Article No.	EAN 4003773-				Nominal size	Quantity	 g
00 20 12 V01	075523	Screwdriver Set					610
		  1000 V	98 20 30	Screwdrivers for slotted screws	0.3 x 3 x 100 mm	1	
			98 20 40		0.8 x 4 x 100 mm	1	
			98 20 55		1.0 x 5.5 x 125 mm	1	
			98 20 65		1.2 x 6.5 x 150 mm	1	
		  1000 V	98 24 01	Screwdriver for cross recessed screws Phillips®	PH1 x 80 mm	1	
			98 24 02		PH2 x 100 mm	1	
00 20 12 V02	082538	VDE Screwdriver Set Slotted / Phillips®					550
		  1000 V	98 20 30	Screwdrivers for slotted screws	0.3 x 3 x 100 mm	1	
			98 20 40 SL	Screwdriver (Slim) for slotted screws	0.8 x 4 x 100 mm	1	
			98 20 55 SL		1.0 x 5.5 x 125 mm	1	
			98 20 65 SL		1.2 x 6.5 x 150 mm	1	
		  1000 V	98 24 01 SL	Screwdriver (Slim) for cross-recessed screws Phillips®	PH1 x 80 mm	1	
			98 24 02 SL		PH2 x 100 mm	1	
00 20 12 V03	082545	VDE Screwdriver Set Phillips® / Pozidriv®					500
		  1000 V	98 24 00	Screwdriver for cross recessed screws Phillips®	PH0 x 60 mm	1	
			98 24 01 SL	Screwdriver (Slim) for cross-recessed screws Phillips®	PH1 x 80 mm	1	
			98 24 02 SL		PH2 x 100 mm	1	
		  1000 V	98 25 00	Screwdriver for cross recessed screws Pozidriv®	PZ 0 x 60 mm	1	
			98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®	PZ1 x 80 mm	1	
			98 25 02 SL		PZ2 x 100 mm	1	
00 20 12 V04	082552	VDE Screwdriver Set Slotted / Phillips® / Pozidriv®					509
		  1000 V	98 20 25	Screwdrivers for slotted screws	0.4 x 2.5 x 75 mm	1	
			98 20 40 SL	Screwdriver (Slim) for slotted screws	0.8 x 4 x 100 mm	1	
		  1000 V	98 24 01 SL	Screwdriver (Slim) for cross-recessed screws Phillips®	PH1 x 80 mm	1	
			98 24 02 SL		PH2 x 100 mm	1	
		  1000 V	98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®	PZ1 x 80 mm	1	
			98 25 02 SL		PZ2 x 100 mm	1	
00 20 12 V05	082569	VDE Screwdriver Set PlusMinus / Slotted					510
		  1000 V	98 20 25	Screwdrivers for slotted screws	0.4 x 2.5 x 75 mm	1	
			98 20 40 SL	Screwdriver (Slim) for slotted screws	0.8 x 4 x 100 mm	1	
		  1000 V	98 24 01 SLS	Screwdriver (Slim) Plus/Minus Phillips®	PH/S 1x 80 mm	1	
			98 24 02 SLS		PH/S 2	1	
		  1000 V	98 25 01 SLS	Screwdriver (Slim) Plus/Minus Pozidriv®	PZ/S1 x 80 mm	1	
			98 25 02 SLS		PZ/S2 x 100 mm	1	



# Pliers Sets



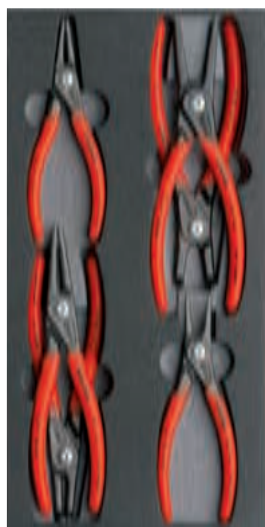
Article No.	EAN 4003773-					Nominal size	Quantity	 g
00 31 20 V01	077251	Set of pliers						555
			87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers	180 mm	1		
			87 01 250		250 mm	1		
00 31 20 V02	077268	Set of pliers						550
			88 01 180	KNIPEX Alligator® Water Pump Pliers	180 mm	1		
			88 01 250		250 mm	1		
00 31 20 V03	078104	Set of pliers						620
			86 03 180	Pliers Wrench	180 mm	1		
			87 01 250	KNIPEX Cobra® High-Tech Water Pump Pliers	250 mm	1		



# Pliers Sets

## in a foam tray

- > In a foam tray for workbenches and tool trolleys
- > Clearly organised storage of tools
- > Precisely-sized recesses for holding the pliers
- > Foam tray dimensions (W x H x D):  
335 x 165 x 33 mm
- > Material: two colour, closed pore foam



00 20 01 V02



00 20 01 V09























00 20 01 V15



00 20 01 V16



00 20 01 V17

Article No.	EAN 4003773-				Nominal size	Quantity	g
00 20 01 V02	069652	Precision Circlip Pliers Set in a foam tray					915
			48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	Ø 12 – 25 mm	1	
			48 11 J2		Ø 19 – 60 mm	1	
		 90°	48 21 J21		Ø 19 – 60 mm	1	
		 MM	49 11 A1	Precision Circlip Pliers for external circlips on shafts	Ø 10 – 25 mm	1	
			49 11 A2		Ø 19 – 60 mm	1	
		 MM 90°	49 21 A21		Ø 19 – 60 mm	1	
00 20 01 V09	073291	Set of pliers in a foam tray					820
			48 11 J2	Precision Circlip Pliers for internal circlips in bore holes	Ø 19 – 60 mm	1	
			 90°		48 21 J21	Ø 19 – 60 mm	
		 MM	49 11 A2	Precision Circlip Pliers for external circlips on shafts	Ø 19 – 60 mm	1	
			 MM 90°		49 21 A21	Ø 19 – 60 mm	
00 20 01 V15	081586	Set of pliers in a foam tray					1121
			03 02 180	Combination Pliers	180 mm	1	
			26 12 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1	
			74 02 180	High Leverage Diagonal Cutter	180 mm	1	
			87 01 250	KNIPEX Cobra® High-Tech Water Pump Pliers	250 mm	1	
00 20 01 V16	081593	Set of pliers in a foam tray					850
		 (PATENTED)	08 21 145	Needle-Nose Combination Pliers	145 mm	1	
			28 71 280	Long Reach Needle Nose Pliers with transverse profiles	280 mm	1	
			 45°		28 81 280	280 mm	
			74 01 180	High Leverage Diagonal Cutter	180 mm	1	
00 20 01 V17	081944	Set of pliers in a foam tray					1225
			03 05 180	Combination Pliers	180 mm	1	
			26 15 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1	
			74 05 180	High Leverage Diagonal Cutter	180 mm	1	
			87 05 250	KNIPEX Cobra® High-Tech Water Pump Pliers	250 mm	1	

# Electrical Installations Set





















00 31 30 BK V01



00 31 30 BK V02



00 31 30 BK V03

Article No.	EAN 4003773-				Nominal size	Quantity	 g
00 31 30 BK V01	086574	Electrical Installations Set					540
		  13 86 200	Pliers for Electrical Installation	Ø 15 mm / 50 mm²	1		
		 (PATENTED)	16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool	Ø 8.0 – 13.0 mm	1	
		  70 06 160	Diagonal Cutter	160 mm	1		
00 31 30 BK V02	087892	Electrical Cutting Set					510
		  70 06 160	Diagonal Cutter	160 mm	1		
		  78 06 125	Electronic Super Knips VDE	125 mm	1		
		  95 16 160	KNIPEX StepCut® Cable Shears	Ø 15 mm / 50 mm²	1		
00 31 30 BK V03	087885	Electrical Set					618
		  11 06 160	Insulation Stripper with opening spring, universal	Ø 5.0 mm / 10.0 mm²	1		
		  26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1		
		  70 06 160	Diagonal Cutter	160 mm	1		

## Extension Sets Electro

00 20 90 V01

Extension Set Electro 1, 10 parts

**KNIPEX:**

KNIPEX TwinKey®; VDE, insulated pliers High Leverage Diagonal Cutter 200 mm; VDE, insulated pliers, bent; VDE, insulated pliers Cable shears 165 mm; KNIPEX Cobra® 180 mm; Universal Stripping Tool; VDE, insulated pliers Screwdriver (Slim) Plus/Minus PZ/S 1; VDE, insulated pliers Screwdriver (Slim) Plus/Minus PZ/S 2;

**Stabila:**

Pocket Electric spirit level; Wooden folding rule type 1607, white



00 20 90 V01

00 20 90 V02

Extension Set Electro 2, 13 parts

**KNIPEX:**

KNIPEX TwinKey®; VDE, insulated pliers High Leverage Diagonal Cutters 200 mm; VDE, insulated pliers, bent; VDE, insulated pliers Cable shears 165 mm; KNIPEX Cobra® 180 mm; KNIPEX ErgoStrip® – Universal Stripping Tool; VDE, insulated pliers Electronic Super Knips; Automatic Insulation Stripper; Crimping Pliers for wire ferrules; VDE, insulated pliers Screwdriver (Slim) Plus/Minus PZ/S 1; VDE, insulated pliers Screwdriver (Slim) Plus/Minus PZ/S 2;

**Stabila:**

Pocket Electric spirit level; Wooden folding rule type 1607, white



00 20 90 V02



# Precision Circlip Pliers Sets

## ► For internal and external circlips







- > Attractive sales packaging with Euro standard perforation
- > Sturdy plastic retail packaging, also suitable for storage of the pliers
- > Contains common Precision Circlip Pliers for highest requirements; for internal and external circlips



00 20 03 SB



00 20 04 SB

Article No.	EAN 4003773-				Style	Capacity Ø mm	Tips Ø mm	Quantity	⚖ g
00 20 03 SB	050100	Precision Circlip Pliers Set							685
			48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12.0 – 25.0	1.3	1	
			48 11 J2			19.0 – 60.0	1.8	1	
			49 11 A1	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10.0 – 25.0	1.3	1	
49 11 A2	19.0 – 60.0		1.8			1			
00 20 04 SB	062417	Precision Circlip Pliers Set							1275
			48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12.0 – 25.0	1.3	1	
			48 11 J2			19.0 – 60.0	1.8	1	
			48 21 J11		DIN 5256 D; 90° angled jaws	12.0 – 25.0	1.3	1	
			48 21 J21			19.0 – 60.0	1.8	1	
			49 11 A1	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10.0 – 25.0	1.3	1	
			49 11 A2			19.0 – 60.0	1.8	1	
			49 21 A11		DIN 5254 B; 90° angled jaws	10.0 – 25.0	1.3	1	
			49 21 A21			19.0 – 60.0	1.8	1	

# Circlip Pliers Sets

## ► For internal and external circlips








- > Attractive sales packaging with Euro standard perforation
- > Sturdy plastic retail packaging, also suitable for storage of the pliers
- > Contains common Precision Circlip Pliers for highest requirements; for internal and external circlips



00 20 03 V02



00 20 04 V01

Article No.	EAN 4003773-				Style	Capacity Ø mm	Tips Ø mm	Quantity	 g	
00 20 03 V02	077640	Set of Circlip Pliers								450
			44 11 J1	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12.0 – 25.0	1.3	1		
			44 11 J2			19.0 – 60.0	1.8	1		
			46 11 A1	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10.0 – 25.0	1.3	1		
			46 11 A2			19.0 – 60.0	1.8	1		
00 20 04 V01	077633	Set of Circlip Pliers								890
			44 11 J1	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12.0 – 25.0	1.3	1		
			44 11 J2			19.0 – 60.0	1.8	1		
			44 21 J11		DIN 5256 D; 90° angled jaws	12.0 – 25.0	1.3	1		
			44 21 J21			19.0 – 60.0	1.8	1		
			46 11 A1	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10.0 – 25.0	1.3	1		
			46 11 A2			19.0 – 60.0	1.8	1		
			46 21 A11		DIN 5254 B; 90° angled jaws	10.0 – 25.0	1.3	1		
			46 21 A21			19.0 – 60.0	1.8	1		



# Tool Roll

empty

- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener



98 99 13 LE

Article No.	EAN	Length	Height	g
98 99 13 LE	4003773-028888	mm850	mm305	325

# Tool Roll

- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener
- > Equipped with a range of insulated KNIPEX tools for works on electrical installations
- > Dimensions, open (L x H): 850 x 305 mm
- > DIN EN 60900, IEC 60900



98 99 13

Article No.	EAN					Nominal size	Quantity	g
98 99 13	4003773-026648	Tool Roll						2715
			03 07 200	Combination Pliers		200 mm	1	
			11 07 160	Insulation Stripper with opening spring, universal		Ø 5.0 mm / 10.0 mm²	1	
			26 17 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		200 mm	1	
			70 07 160	Diagonal Cutter		160 mm	1	
			95 17 200	Cable Shears with twin cutting edge		Ø 20 mm / 70 mm²	1	
			98 00 10	Open-end wrench		10 mm	1	
			98 00 13			13 mm	1	
			98 00 14			14 mm	1	
			98 00 17			17 mm	1	
			98 00 19			19 mm	1	
			98 20 25	Screwdrivers for slotted screws		0.4 x 2.5 x 75 mm	1	
			98 20 40			0.8 x 4 x 100 mm	1	
			98 20 55			1.0 x 5.5 x 125 mm	1	
			98 20 65			1.2 x 6.5 x 150 mm	1	
			98 52	Cable Knife		185 mm	1	
98 99 13 LE	028888	Tool Roll empty 15 pockets						

# Tool Roll

## empty

- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener



00 19 41 LE

Article No.	EAN 4003773-	Length mm	Height mm	⚖ g
00 19 41 LE	035930	450	290	155

# Tool Roll

- > For telecommunications and electrical engineers
- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener
- > Contains eight pliers and three screwdrivers
- > Pliers with chrome-plated heads and two-colour dual component handles
- > Screwdrivers VDE tested according to DIN EN/IEC 60900 1000V
- > Dimensions, open (L x H): 450 x 290 mm



00 19 41

Article No.	EAN 4003773-				Nominal size	Quantity	⚖ g
00 19 41	024729	Tool Roll					1695
			03 05 160	Combination Pliers	160 mm	1	
			11 05 160	Insulation Stripper with opening spring, universal	Ø 5.0 mm / 10.0 mm <sup>2</sup>	1	
			25 05 160	Snipe Nose Side Cutting Pliers (Radio Pliers)	160 mm	1	
			30 15 160	Long Nose Pliers	160 mm	1	
			30 35 160		160 mm	1	
			31 15 160	Flat Nose Pliers (Needle-Nose Pliers)	160 mm	1	
			67 05 140	High Leverage End Cutting Nipper	140 mm	1	
			70 05 140	Diagonal Cutter	140 mm	1	
			98 20 25	Screwdrivers for slotted screws	0.4 x 2.5 x 75 mm	1	
			98 20 40		0.8 x 4.0 x 100 mm	1	
			98 24 01	Screwdriver for cross recessed screws Phillips®	PH1 x 80 mm	1	
00 19 41 LE	035930	Tool Roll empty 13 pockets					

# Tool Roll

## for pliers wrench

### empty

- > Tool roll made of hard-wearing polyester fabric
- > With hook-and-loop fastener



00 19 55 S4 LE

Article No.	EAN 4003773-	Length mm	Height mm	⚖ g
00 19 55 S4 LE	077824	440,0	330,0	260
00 19 55 S6 LE	086482	320,0	320,0	220

## Sets of Pliers Wrenches

### All-purpose tool in a set: pliers in space-saving roll-up bag

- Pliers wrenches from KNIPPEX are ideally suited for the gentle gripping, holding, pressing and bending of workpieces
- Each one replacing an entire set of wrenches

- > Tool roll made of hard-wearing polyester fabric
- > With hook-and-loop fastener






00 19 55 S4



00 19 55 S6



00 19 55 S7

Article No.	EAN 4003773-				Nominal size	Quantity	⚖ g
00 19 55 S4	077817	Set of Pliers Wrenches					1925
			86 03 125	Mini pliers wrench	125 mm	1	
			86 03 150	Pliers Wrench	150 mm	1	
			86 03 180		180 mm	1	
			86 03 250		250 mm	1	
			86 03 300		300 mm	1	
00 19 55 S6	086505	Set of Pliers Wrenches					1030
			86 03 125	Mini pliers wrench	125 mm	1	
			86 03 180	Pliers Wrench	180 mm	1	
			86 03 250		250 mm	1	
00 19 55 S7	086512	Set of Pliers Wrenches					1520
			86 03 150	Pliers Wrench	150 mm	1	
			86 03 250		250 mm	1	
			86 03 300		300 mm	1	
00 19 55 S4 LE	077824	Tool roll for pliers wrenches empty 6 compartments					
00 19 55 S6 LE	086482	Tool roll for pliers wrenches empty 4 compartments					

# Tool Roll

for KNIPEX Cobra®

empty

- > High-quality roll-up bag made from durable polyester fabric
- > With hook-and-loop fastener



00 19 55 S5 LE

Article No.	EAN 4003773-	Length mm	Height mm	△ g
00 19 55 S5 LE	082620	440	330	260
00 19 55 S8 LE	086499	330	325	220

## KNIPEX Cobra® Sets

- ▶ The KNIPEX Cobra® are the legendary high-tech water pump pliers from KNIPEX
- ▶ With their extremely strong self-locking effect, they allow energy-saving work without slipping on the workpiece

- > High-quality roll-up bag made from durable polyester fabric
- > With hook-and-loop fastener






00 19 55 S5



00 19 55 S8



00 19 55 S9

Article No.	EAN 4003773-					Nominal size	Quantity	 g
00 19 55 S5	082613	KNIPEX Cobra® Set					1575	
			87 01 125	KNIPEX Cobra® High-Tech Water Pump Pliers	125 mm	1		
			87 01 150		150 mm	1		
			87 01 180		180 mm	1		
			87 01 250		250 mm	1		
			87 01 300		300 mm	1		
00 19 55 S8	086529	KNIPEX Cobra®-Set					820	
			87 01 125	KNIPEX Cobra® High-Tech Water Pump Pliers	125 mm	1		
			87 01 180		180 mm	1		
			87 01 250		250 mm	1		
00 19 55 S9	086536	KNIPEX Cobra® Set					1255	
			87 01 150	KNIPEX Cobra® High-Tech Water Pump Pliers	150 mm	1		
			87 01 250		250 mm	1		
			87 01 300		300 mm	1		
00 19 55 S5 LE	082620	Tool roll for KNIPEX Cobra® empty 6 compartments						
00 19 55 S8 LE	086499	Tool roll for KNIPEX Cobra® empty 4 compartments						



# Tool Bag

## empty

- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener
- > Dimensions, open (L x H): 315 x 275 mm

### 00 19 56 LE

- > 4 compartments

### 00 19 58 LE

- > 8 compartments

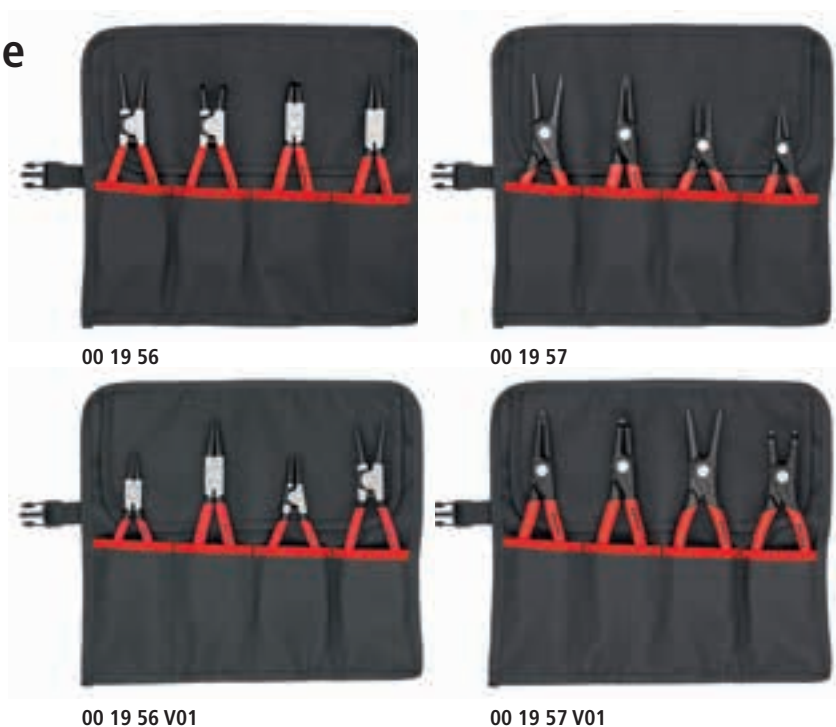






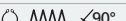








Article No.	EAN 4003773-	Length mm	Height mm	Δ g
00 19 56 LE	035954	315,0	275,0	171
00 19 58 LE	081920	615,0	235,0	281

# Circlip Pliers Sets in roll case

## 4 parts

- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener
- > Dimensions, open (L x H): 315 x 275 mm

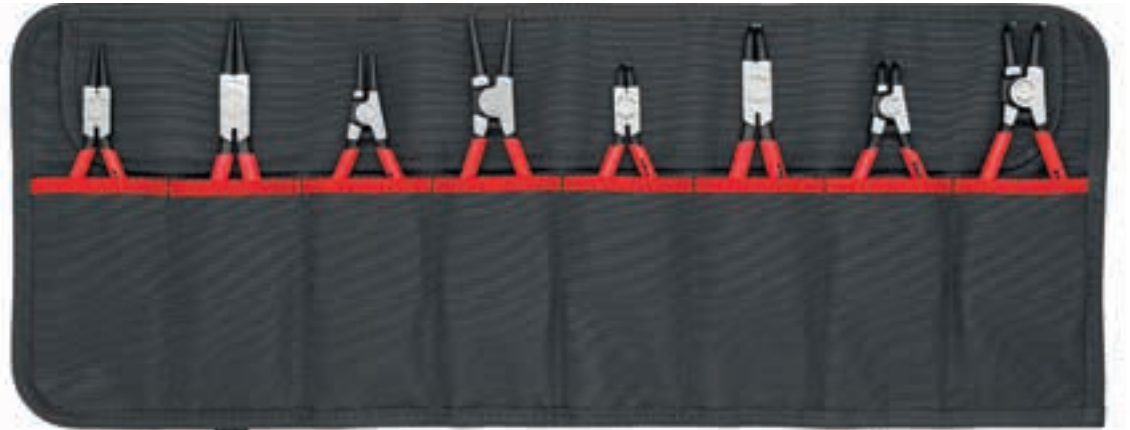


Article No.	EAN 4003773-				Style	Capacity Ø mm	Tips Ø mm	Quantity	 g	
00 19 56	030973	Set of Circlip Pliers								720
			44 11 J2	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	19.0 – 60.0	1.8	1		
			44 21 J21		DIN 5256 D; 90° angled jaws	19.0 – 60.0	1.8	1		
			46 11 A2	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	19.0 – 60.0	1.8	1		
			46 21 A21		DIN 5254 B; 90° angled jaws	19.0 – 60.0	1.8	1		
00 19 56 V01	081548	Set of Circlip Pliers								635
			44 11 J1	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12.0 – 25.0	1.3	1		
			44 11 J2			19.0 – 60.0	1.8	1		
			46 11 A1	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10.0 – 25.0	1.3	1		
			46 11 A2			19.0 – 60.0	1.8	1		
00 19 57	050056	Set of Circlip Pliers								725
			48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12.0 – 25.0	1.3	1		
			48 11 J2			19.0 – 60.0	1.8	1		
			49 11 A1	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10.0 – 25.0	1.3	1		
			49 11 A2			19.0 – 60.0	1.8	1		
00 19 57 V01	081555	Set of Circlip Pliers								885
			48 11 J2	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	19.0 – 60.0	1.8	1		
			48 21 J21		DIN 5256 D; 90° angled jaws	19.0 – 60.0	1.8	1		
			49 11 A2	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	19.0 – 60.0	1.8	1		
			49 21 A21		DIN 5254 B; 90° angled jaws	19.0 – 60.0	1.8	1		
00 19 56 LE	035954	Tool Bag empty 4 compartments								

# Circlip Pliers Sets in roll case

## 8 parts














- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener



00 19 58 V01



00 19 58 V02

Article No.	EAN 4003773-				Style	Capacity Ø mm	Tips Ø mm	Quantity	 g	
00 19 58 V01	081562	Set of Circlip Pliers								1190
			44 11 J1	Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12.0 – 25.0	1.3	1		
			44 11 J2			19.0 – 60.0	1.8	1		
		 90°	44 21 J11		DIN 5256 D; 90° angled jaws	12.0 – 25.0	1.3	1		
			44 21 J21			19.0 – 60.0	1.8	1		
		 	46 11 A1	Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10.0 – 25.0	1.3	1		
			46 11 A2			19.0 – 60.0	1.8	1		
		  90°	46 21 A11		DIN 5254 B; 90° angled jaws	10.0 – 25.0	1.3	1		
			46 21 A21			19.0 – 60.0	1.8	1		
00 19 58 V02	081579	Set of Circlip Pliers								1395
			48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12.0 – 25.0	1.3	1		
			48 11 J2			19.0 – 60.0	1.8	1		
		 90°	48 21 J11		DIN 5256 D; 90° angled jaws	12.0 – 25.0	1.3	1		
			48 21 J21			19.0 – 60.0	1.8	1		
		 	49 11 A1	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10.0 – 25.0	1.3	1		
			49 11 A2			19.0 – 60.0	1.8	1		
		  90°	49 21 A11		DIN 5254 B; 90° angled jaws	10.0 – 25.0	1.3	1		
			49 21 A21			19.0 – 60.0	1.8	1		
00 19 58 LE	081920	Tool Bag empty 8 compartments								

# Tool Roll

## for tweezers

> High-quality roll-up bag made from durable polyester fabric

**00 19 92 V01 LE**

> 5 compartments

**00 19 92 V02 LE**

> 7 compartments



00 19 92 V02 LE

## Precision Tweezers Set

### 5 parts

► Optimum combination: the tweezer sets come in various combinations in a high-quality tool roll for safe transport and damage-free storage

> Five high-quality sets of tweezers: Precision Tweezers, Universal Tweezers, SMD-, ESD, Plastic and Insulated Tweezers  
> Two different tool rolls (VDE set with 5 compartments; others with 7 compartments)

**92 00 05 ESD**

**Plastic Tweezers Set ESD**

> DIN EN 61340 -5-1

**92 00 04**

**Universal Tweezers Set**

> Insulated






























> DIN EN 60900, IEC 60900

**92 00 01 ESD / 92 00 05 ESD**

> DIN EN 61340 -5-1



92 00 02

Article No.	EAN 4003773-				Quantity	 g	
92 00 01 ESD	087038	Universal Tweezers Set ESD				180	
		 	92 28 69 ESD	Universal Tweezers ESD	1		
			92 28 70 ESD		1		
			92 28 71 ESD		1		
		  $\angle 35^\circ$	92 38 75 ESD		1		
		 	92 58 74 ESD		1		
92 00 02	087021	Precision Tweezers Set				175	
			92 21 01	Precision Tweezers	1		
			92 21 02		1		
			92 21 03		1		
		 $\angle 45^\circ$	92 31 01		1		
			92 51 01		1		
92 00 03	087045	SMD Precision Tweezers Set				174	
		 $\angle 45^\circ$	92 01 01	SMD Precision Tweezers	1		
			 $\angle 35^\circ$		92 01 02		1
					92 01 03		1
		 $\angle 45^\circ$	92 01 04		1		
		 $\angle 30^\circ$	92 02 54		1		
92 00 04	087052	Universal Tweezers Set insulated				275	
		  1000 V	92 27 61	Universal Tweezers insulated	1		
			  1000 V		92 27 62		1
			  1000 V $\angle 30^\circ$		92 37 64		1
		92 47 01			1		
		  1000 V	92 67 63		1		
92 00 05 ESD	087069	Plastic Tweezers Set ESD				120	
		 	92 09 01 ESD	Plastic Tweezers ESD	1		
			92 09 02 ESD		1		
			  $\angle 45^\circ$		92 09 03 ESD		1
		 	92 09 04 ESD		1		
			92 09 05 ESD		1		
00 19 92 V02 LE	087236	Tool Roll for tweezers 7 compartments					

# Tool Bag

## with 6 elastic loops

> Case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered



00 20 16 LE

Article No.	EAN 4003773-	Exterior width	Exterior height	Exterior depth	g
00 20 16 LE	022411	215	160	50	120

# Electronics Pliers Sets

## with tools for work on electronic components

> Dimensions, closed (W x H x D): 215 x 160 x 50 mm

### 00 20 16

> 7 parts, contains 6 electronics pliers and one pair of precision tweezers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered



00 20 16

### 00 20 16 P

> 6 parts, contains 6 precision electronics pliers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered



00 20 16 P

### 00 20 16 P ESD

> 6 parts, contains 6 ESD precision electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered



00 20 16 P ESD

### 00 20 17

> 6 parts, contains 6 ESD precision electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered



00 20 17

### 00 20 18

> 8 parts, contains 2 electronics pliers and 6 electronics screwdrivers; practical storage box, shock-resistant plastic, with foam insert



00 20 18

### 00 20 18 ESD

> 8 parts, contains 2 electronics pliers and 6 electronics screwdrivers, ESD electrically discharging version; practical storage box, shock-resistant plastic, with foam insert



00 20 18 ESD

Article No.	EAN 4003773-	Designation	g
00 20 16	022619	35 12 115 / 35 22 115 / 35 32 115 / 64 32 120 / 77 02 115 / 77 42 115 / 92 34 36	720
00 20 16 P	063223	34 12 130 / 34 22 130 / 34 32 130 / 79 02 120 / 79 02 120 / 79 02 125 / 79 42 125	575
00 20 16 P ESD	063230	34 12 130 ESD / 34 22 130 ESD / 34 32 130 ESD / 79 02 120 ESD / 79 02 125 ESD / 79 42 125 ESD	585
00 20 17	031222	35 12 115 ESD / 35 22 115 ESD / 35 42 115 ESD / 64 32 120 ESD / 77 02 115 ESD / 77 32 115 ESD	695
00 20 18	033073	35 22 115 / 77 02 115 / screwdrivers 0.4 x 2.5 / 0.5 x 3.0 / 0.6 x 3.5 / 0.8 x 4.0 / PH0 / PH1	460
00 20 18 ESD	051848	35 22 115 ESD / 77 02 115 ESD / screwdrivers 0.4 x 2.5 / 0.5 x 3.0 / 0.6 x 3.5 / 0.8 x 4.0 / PH0 / PH1	465



# Tool backpack Modular X18

## empty

- Fits you and your tools: practical and comfortable due to fully hinged front and back, removable tool board and padding for your back
  - As individual as you are: Optimal flexibility due to innovative FIDLOCK® connectors and MOLLE webbing
  - Fit for any challenge: with two separate inner compartments for tools, measuring instruments, notebook or tablet
  - Max. payload: 15 kg
  - Volume: 18 litres
- > Durable fabric made of sustainable recycled synthetic fibers, splash-proof and easy to clean
  - > Waterproof molded bottom made of impact-resistant plastic for a secure upright position when opened and closed, 6 cm high
  - > One MOLLE strap on the inside and four MOLLE straps on the outside for attaching any adapters, carabiners and accessories
  - > FIDLOCK® connections are fastened or unfastened in no time at all
  - > A total of 21 retaining loops and 37 pockets, some with zips
  - > Luggage strap for fixing to telescopic handles of tool cases
  - > 53 x 34 x 21 cm (H x W x D), empty weight 2.9 kg, tested load capacity up to 15 kg



FIDLOCK® adapter with fabric loop



Carabiners or FIDLOCK® adapters can be attached to the MOLLE straps and combined in almost any way

Over 50 tool holders, you can store up to 15 kg of tools neatly, reliably and always within easy reach.



Article No.	EAN	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	△ g
00 21 50 LE	4003773-089056	370 (340)	530 (470)	210 (190)	3557



FIDLOCK® connector to reinforce the support system

The luggage strap allows convenient attachment to telescopic handles of tool cases

15" Separate laptop compartment

Removable, half-height tool panel

Small parts tray

Lockable zippers

Adjustable opening width

# Tool backpack Modular X18 Electric

## 22 parts

- Equipped with 16 KNIPEX tools, a total of 22 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the backpack, see page 324–325



00 21 50 E

## Content

00 11 01 KNIPEX		70 06 160 KNIPEX	
08 26 185 KNIPEX		78 06 125 KNIPEX	
12 52 195 KNIPEX		90 22 10 KNIPEX	
13 86 200 KNIPEX		97 53 14 KNIPEX	
16 95 01 KNIPEX		98 25 01 SL KNIPEX	
26 26 200 KNIPEX		98 25 02 SL KNIPEX	

Article No.	EAN	Nominal size	Quantity	g
00 21 50 E	4003773-089063	Tool backpack Modular X18 Electric		6600
		(PATENTED) 00 11 01 KNIPEX TwinKey® Control Cabinet Keys	92 mm	1
		(PATENTED) 08 26 185 Needle-Nose Combination Pliers	185 mm	1
		12 52 195 KNIPEX PreciStrip 16 Automatic Insulation Stripper	0.08–16 mm <sup>2</sup>	1
		13 86 200 Pliers for Electrical Installation	Ø 15 mm / 50 mm <sup>2</sup>	1
		16 95 01 SB KNIPEX ErgoStrip® Universal Stripping Tool	Ø 8.0–13.0 mm	1
		26 26 200 Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1
		70 06 160 Diagonal Cutter	160 mm	1
		78 06 125 Electronic Super Knips	125 mm	1
		90 22 10 BK KNIPEX BiX Cutter for plastic pipes and sealing sleeves	72 mm	1
		97 53 14 Self-Adjusting Crimping Pliers for wire ferrules with lateral access	0.08 – 16 mm <sup>2</sup>	1
		98 20 35 SL Screwdriver (Slim) for slotted screws	0.6 x 3.5 x 100 mm	1
		98 20 55 SL Screwdriver (Slim) for slotted screws	1.0 x 5.5 x 125 mm	1
		98 25 01 SL Screwdriver (Slim) for cross-recessed screws Pozidriv®	PZ1 x 80 mm	1
		98 25 02 SL Screwdriver (Slim) for cross-recessed screws Pozidriv®	PZ2 x 100 mm	1
		98 25 01 SLS Screwdriver (Slim) Plus/Minus Pozidriv®	PZ/S1 x 80 mm	1
		98 52 Cable Knife	190 mm	1
		Wooden folding rule type 1607, white	2000 mm	1
		Set of hex key wrenches	1.5–10 mm	1
		Deep hole marker	Lyra	1
		Locksmith's hammer	Picard	300 g
		Pocket Electric mini spirit level	Stabila	68 mm
		Spirit level type 70	Stabila	30 cm
00 21 50 LE	089056	KNIPEX Modular X18 empty		



# Tool backpack Modular X18 Plumbing

17 parts

- Equipped with 12 KNIPEX tools, a total of 17 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the backpack, see page 324–325



00 21 50 S

## Content

00 11 01 KNIPEX		90 31 02 KNIPEX					
74 06 180 KNIPEX		90 22 10 KNIPEX					
86 03 300 KNIPEX		98 24 01 SL KNIPEX					
87 01 180 KNIPEX		98 24 02 SL KNIPEX		KNIPEX			
87 01 300 KNIPEX		98 20 35 SL KNIPEX		Wera 9 Parts		Picard	
90 10 165 KNIPEX		98 20 55 SL KNIPEX		Lyra		Stabila	

Article No.	EAN 4003773-					Nominal size	Quantity	g
00 21 50 S	089070	Tool backpack Modular X18 Plumbing						6550
			00 11 01	KNIPEX TwinKey® Control Cabinet Keys	KNIPEX	92 mm	1	
			74 06 180	High Leverage Diagonal Cutter		180 mm	1	
			86 03 300	Pliers Wrench		300 mm	1	
			87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers		180 mm	1	
			87 01 300			300 mm	1	
			90 10 165 BK	KNIPEX CutiX Universal knife		165 mm	1	
			90 22 10 BK	KNIPEX BiX Cutter for plastic pipes and sealing sleeves		72 mm	1	
			90 31 02 SB	KNIPEX TubiX® Pipe cutter		180 mm	1	
			98 20 35 SL	Screwdriver (Slim) for slotted screws		0.6 x 3.5 x 100 mm	1	
			98 20 55 SL			1.0 x 5.5 x 125 mm	1	
			98 24 01 SL	Screwdriver (Slim) for cross-recessed screws Phillips®	PH1 x 80 mm	1		
			98 24 02 SL		PH2 x 100 mm	1		
				Wooden folding rule type 1607, white		2000 mm	1	
				Set of hex key wrenches	Wera	1.5–10 mm	1	
				Deep hole marker	Lyra		1	
				Locksmith's hammer	Picard	300 g	1	
				Spirit level type 70	Stabila	30 cm	1	
00 21 50 LE	089056	KNIPEX Modular X18 empty						



# Tool Case "Basic"

empty

- ▶ With a total of 41 inserting options
- ▶ Max. payload: 15 kg
- ▶ Volume: 27 litres

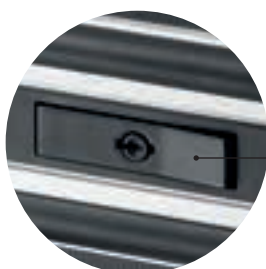
- > Strong, ergonomic handle
- > Heavy duty ABS material, black
- > Circumferential aluminium frame
- > Metal hinges
- > Document compartment in the cover
- > Two removable tool boards made of dirt-repellent PP twin-wall sheets with 21 tool pockets
- > Base tray, can be fixed by press button, height 50 mm, can be subdivided by inserts; cover plate with 12 large compartments and a flat compartment
- > Two metal tilting locks and three-digit combination lock for secure closing of the lid
- > Label field with two stickers for individual labelling



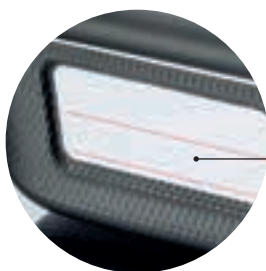
Tool boards made from dirt-repellent PP twin-wall sheets



00 21 05 LE  
Case without tools



Two metal flip locks



Label field for individual labelling



Three-digit combination lock



Base tray with separable inserts



Article No.	EAN	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	 g
00 21 05 LE	4003773-056904	465 (440)	410 (350)	200 (180)	4500

# Tool Case "Basic" E-Mobility

## 34 parts





















- Fit for EVs: most important VDE-tested tools and accessories neatly organised in a tool case
- Insulated tools and accessories for all work on EVs
- Complete basic EV equipment with pliers, open-ended spanner and ratchet set

- > 29 insulated tool and 1 pair of insulating gloves
- > Tool case "Basic" 00 21 05 with foam insert for 3/8" reversible ratchet set
- > Colour coding in foam insert indicates places for removed sockets
- > For garages and companies that service EVs / their own vehicle fleets

For further benefits of the case, see page 328



00 21 05 EV

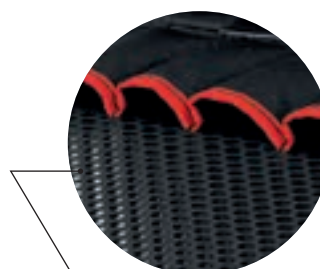
Article No.	EAN			Nominal size	Quantity	g
00 21 05 EV	089025	Tool Case "Basic" E-Mobility				7500
		  26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1	
		  70 06 160	Diagonal Cutter	160 mm	1	
		  86 06 250	Pliers Wrench	250 mm	1	
				8 mm	1	
				9 mm	1	
		 	Open-end wrench	10 mm	1	
				11 mm	1	
				12 mm	1	
				13 mm	1	
		 	Screwdrivers for slotted screws	0.6 x 3.5 x 100 mm	1	
				1.2 x 6.5 x 150 mm	1	
			Screwdriver for cross recessed screws Phillips®	PH1 x 80 mm	1	
				PH2 x 100 mm	1	
				PH3 x 150 mm	1	
			KNIPEX Socket 3/8" for TX25	3/8" / TX25	1	
			KNIPEX Socket 3/8" for TX27	3/8" / TX27	1	
			KNIPEX Socket 3/8" for TX30	3/8" / TX30	1	
			KNIPEX Socket 3/8" for TX40	3/8" / TX40	1	
			KNIPEX Socket 3/8" for TX45	3/8" / TX45	1	
			KNIPEX Socket 3/8" for TX50	3/8" / TX50	1	
		 	Reversible Ratchet with driving square 3/8"	3/8"	1	
			Extension Bar with internal/external square 3/8"	3/8"	1	
				3/8"	1	
			Hexagon Socket for hexagonal screws with internal square 3/8"	10 mm	1	
				11 mm	1	
				12 mm	1	
				13 mm	1	
		 	Plastic Flat Nose Pliers insulating	180 mm	1	
		 	Plastic Snipe Nose Pliers insulating	220 mm	1	
		 	Electricians' Gloves insulated	410 mm	1	
			Self-Clamping Slip-On Cap	Ø 30 mm	1	
		 		Ø 40 mm	1	
				Ø 50 mm	1	
00 21 05 LE	056904	Tool Case "Basic" empty				

# Tool Case "BIG Basic Move"

empty

- ▶ With a total of 54 inserting options
- ▶ Max. payload: 20 kg
- ▶ Volume: 33 litres

- > Strong, ergonomic handle
- > Heavy duty ABS material, black
- > Circumferential aluminium frame
- > Metal hinges
- > Document compartment in the cover
- > Two removable tool boards made of dirt-repellent PP twin-wall sheets with 31 tool pockets
- > First tool board with ten tool pockets and an elastic strap on the cover side and eleven narrow and one large tool pocket on the base side
- > Second tool board with ten tool pockets and an elastic strap on the base side and a document compartment on the cover side
- > Base tray, can be fixed by a push button, 70 mm high, can be subdivided by inserts, cover board with 14 large tool pockets
- > Telescopic handle set in the base as well as two external, smooth-running skater wheels
- > Two metall tilting locks and three-digit combination lock for secure closing of the lid
- > Label field with two stickers for individual labelling



Tool boards made from dirt-repellent PP twin-wall sheets



00 21 06 LE  
Case without tools



Base tray with separable inserts



Extendable telescopic handle



Smooth-running skater wheels



Article No.	EAN	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	g
00 21 06 LE	4003773-057512	515 (480)	430 (350)	280 (200)	6200



# Tool Case "BIG Basic Move" Electric

## 24 parts



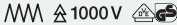


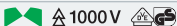




- Equipped with six KNIPEX tools, a total of 24 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the case, see page 330



## Content

03 06 180 KNIPEX							
26 16 200 KNIPEX		98 52 KNIPEX		Maurerfreund		Ruthe	
11 06 160 KNIPEX		Wera 8 x		Rennsteig		Picard	
70 06 160 KNIPEX		Wera		Rennsteig		Picard	
16 20 165 KNIPEX		Haunstätter		Ruthe		Stabila	

Article No.	EAN 4003773-				Nominal size	Quantity	 g
00 21 06 HL S	084235	Tool Case "BIG Basic Move" Electric					10425
			03 06 180	Combination Pliers	KNIPEX	180 mm	1
			11 06 160	Insulation Stripper		Ø 5.0 mm / 10.0 mm²	1
			16 20 165 SB	Stripping Tool with scalpel blade		Ø 8.0 – 28.0 mm	1
			26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		200 mm	1
			70 06 160	Diagonal Cutter		160 mm	1
			98 52	Cable Knife		185 mm	1
				Voltage detector, single-pole 247	Wera	0.5 x 3.0 x 70 mm	1
				Screwdrivers for slotted screws 1160i		0.4 x 2.5 x 80 mm	1
						0.6 x 3.5 x 100 mm	1
						1.0 x 5.5 x 125 mm	1
						1.2 x 6.5 x 150 mm	1
				Screwdrivers for cross recessed Phillips® screws 1162i		PH1 x 80 mm	1
						PH2 x 100 mm	1
				Screwdrivers for cross recessed Pozidriv® screws 1165i		PZ1 x 80 mm	1
						PZ2 x 100 mm	1
				PUK®-Junior Hacksaw	Haunstetter	150 x 240 mm	1
				Painter's spatula 40 mm, wood	Maurerfreund	40 mm	1
				Flat brush	Picard	40 mm	1
				Plaster bowl		127 x 94	1
				Mason's Chisels	Rennsteig	250 mm	1
				Electrician's Chise		250 x 10 mm	1
				Locksmith's hammer, 300 g	Ruthe	300 g	1
				Sledge hammer		1000 g	1
				Carpenter's pencil	Stabila		1
00 21 06 LE	057512	Tool Case "BIG Basic Move" empty					



# Tool Case "BIG Basic Move" ElectricPlus
















68 parts

- Equipped with 27 KNIPEX tools, a total of 68 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the case, see page 330



00 21 06

Article No.	EAN 4003773-					Nominal size	Quantity	 g
00 21 06	086260	Tool Case "BIG Basic Move" ElectricPlus						11590
			00 11 01	KNIPEX TwinKey® Control Cabinet Keys	KNIPEX	92 mm	1	
			08 26 145	Needle-Nose Combination Pliers		145 mm	1	
			12 52 195	KNIPEX PreciStrip16 Automatic Insulation Stripper		0.08–16 mm²	1	
			13 86 200	Pliers for Electrical Installation		Ø 15 mm / 50 mm²	1	
			16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool		Ø 8.0–13.0 mm	1	
			26 26 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		200 mm	1	
			70 06 160	Diagonal Cutter		160 mm	1	
			74 06 200	High Leverage Diagonal Cutter		200 mm	1	
			78 06 125	Electronic Super Knips VDE		125 mm	1	
			87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers		180 mm	1	
			97 53 18	KNIPEX Twistor16® Self-Adjusting Crimping Pliers for wire ferrules		0.14–16 mm²	1	
			98 20 25	Screwdrivers for slotted screws		0.4 x 2.5 x 75 mm	1	
			98 20 35 SL	Screwdriver (Slim) for slotted screws		0.6 x 3.5 x 100 mm	1	
			98 20 40 SL			0.8 x 4.0 x 100 mm	1	
			98 20 55 SL			1.0 x 5.5 x 125 mm	1	
			98 24 01 SL			Screwdriver (Slim) for cross-recessed screws Phillips®	PH1 x 80 mm	1
			98 24 02 SL	PH2 x 100 mm			1	
			98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®		PZ1 x 80 mm	1	
			98 25 02 SL			PZ2 x 100 mm	1	
			98 25 01 SLS	Screwdriver (Slim) Plus/Minus Pozidriv®		PZ/S1 x 80 mm	1	
			98 25 02 SLS			PZ/S2 x 100 mm	1	
			98 26 10	Screwdrivers for Torx® screws		TX10 x 80 mm	1	
			98 26 15			TX15 x 80 mm	1	
			98 26 20			TX20 x 80 mm	1	
			98 26 25			TX25 x 100 mm	1	
				Set of hex key wrenches	Wera	1.5–10 mm	1	
				8100 SA 8 Zyklop set of metal ratchets 28 parts		1/4"	1	
				Locksmith's hammer	Picard	300 g	1	
				Electrician's Chise	Rennsteig	250 x 10 mm	1	
				Spirit level type 70 Electric	Stabila	430 mm	1	
				Pocket Electric mini spirit level		68 mm	1	
				Folding ruler Stabila series 400		2000 mm	1	
00 21 06 LE	057512	Tool Case "BIG Basic Move" empty						

# Tool Case "BIG Basic Move" Plumbing

## 31 parts

- Equipped with four KNIPEX tools, a total of 31 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the case, see page 330



00 21 06 HK 5

## Content

70 06 160 KNIPEX		Wera 9 Parts		Picard		Stabila	
86 03 250 KNIPEX		Haunstätter		Picard		Stabila	
88 01 250 KNIPEX		Heyco		Picard		Stabila	
88 01 300 KNIPEX		Heyco		Rennsteig		Zenten	
Wera 5 x		Picard		Ruthe			

Article No.	EAN					Nominal size	Quantity	g
00 21 06 HK 5	084266	Tool Case "BIG Basic Move" Plumbing						10855
			70 06 160	Diagonal Cutter	KNIPEX	160 mm	1	
			86 03 250	Pliers Wrench		250 mm	1	
			88 01 250	KNIPEX Alligator® Water Pump Pliers		250 mm	1	
			88 01 300	KNIPEX Alligator® Water Pump Pliers		300 mm	1	
				Set of hex key wrenches	Wera	1.5–10 mm	1	
				Screwdrivers for slotted screws 1160i		0.6 x 3.5 x 100 mm	1	
				Screwdrivers for slotted screws 1160i		1.0 x 5.5 x 125 mm	1	
				Screwdrivers for slotted screws 1160i		1.2 x 6.5 x 150 mm	1	
				Screwdrivers for cross recessed Phillips® screws 1162 i	Wera	PH1 x 80 mm	1	
				Screwdrivers for cross recessed Phillips® screws 1162 i		PH2 x 100 mm	1	
				PUK®-Junior Hacksaw	Haunstetter	150 x 240 mm	1	
				Cutter	Heyco	18 mm	1	
				Express key		M 10	1	
				Flat brush	Picard	40 mm	1	
				Steel wire brush, 5-row		280 mm	1	
				Plaster bowl		127 x 94	1	
				Painter's spatula 40 mm, wood		40 mm	1	
				Electrician's Chise	Rennsteig	250 x 10 mm	1	
				Locksmith's hammer, 300 g	Ruthe	300 g	1	
				Carpenter's pencil			1	
				Spirit level type 70	Stabila	30 cm	1	
				Folding ruler Stabila series 400		2000 mm	1	
				Pipe cutter	Zenten	3–35 mm / 1/8–1 1/2"	1	

00 21 06 LE	057512	Tool Case "BIG Basic Move" empty						
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# Tool Case "BIG Basic Move" Mechanic




















90 parts

- Equipped with 12 KNIPEX Tools, a total of 90 brand tools

For further benefits of the case, see page 330


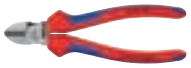




















00 21 06 M

Article No.	EAN 4003773-					Nominal size	Quantity	 g
00 21 06 M	086222	Tool Case “BIG Basic Move” Mechanic						12800
			00 11 01	KNIPEX TwinKey® Control Cabinet Keys	KNIPEX	92 mm	1	
			16 20 50 SB	Folding Knife for Electricians		120 mm	1	
			16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool		Ø 8.0 – 13.0 mm	1	
			26 12 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		200 mm	1	
			26 22 200			200 mm	1	
			70 02 160	Diagonal Cutter		160 mm	1	
			71 31 200	KNIPEX CoBolt® Compact Bolt Cutter		Ø 5.2 mm	1	
			74 02 200	High Leverage Diagonal Cutter		200 mm	1	
			78 61 140	Electronic Super Knips XL		140 mm	1	
			86 01 250	Pliers Wrench		250 mm	1	
			87 01 250	KNIPEX Cobra® High-Tech Water Pump Pliers		250 mm	1	
				Set of hex key wrenches	Wera	1.5 - 10 mm	1	
				8100 SA 8 Zyklop set of metal ratchets 28 parts		1/4"	1	
				Screwdriver for slotted screws 335		0.6 x 3.5 x 100 mm	1	
						0.8 x 4.0 x 100 mm	1	
						1.0 x 5.5 x 100 mm	1	
						1.2 x 7.0 x 125 mm	1	
						1.6 x 9.0 x 150 mm	1	
				Screwdriver for Phillips® screws 917 SPH		PH2 x 100 mm	1	
				Screwdriver for Phillips® screws 350 PH		PH1 x 80 mm	1	
						PH3 x 150 mm	1	
				Screwdriver for Pozidriv® screws 355 PZ		PZ1 x 80 mm	1	
						PZ2 x 100 mm	1	
						PZ3 x 150 mm	1	
				Micro Screwdrivers for slotted screws 2035		0.4 x 2.5 x 80 mm	1	
						0.23 x 1.5 x 60 mm	1	
				Micro screwdrivers for cross recessed Phillips® screws 2050 PH		PH0 x 60 mm	1	
						PH00 x 60 mm	1	
						TX10 x 80	1	
						TX15 x 80	1	
				TORX® Screwdriver 367		TX20 x 100	1	
						TX25 x 100	1	
			TX30 x 115	1				
		Combination wrench sets	Heyco	6/8/10/11/12/13/14/15/16/17/18/19 mm	1			
		Locksmith's hammer	Picard	300 g	1			
		Pin punch set	Rennsteig	Ø 3 mm/4 mm/5 mm/6 mm/8 mm/10 mm	1			
		Automatic punch		130 mm	1			
		Wooden folding rule type 1607, white	Stabila	2000 mm	1			
		Spirit level type 70TM		22 cm	1			
00 21 06 LE	057512	Tool Case “BIG Basic Move” empty						

**00 21 06 LE** 057512 Tool Case "BIG Basic Move" empty

## Content

00 11 01 KNIPEX		70 02 160 KNIPEX		86 01 250 KNIPEX		Picard	
16 20 50 KNIPEX		71 31 200 KNIPEX		Wera 9 Parts		Rennsteig	
16 95 01 KNIPEX		74 02 200 KNIPEX		Wera 28 Parts		Rennsteig	
26 12 200 KNIPEX		78 61 140 KNIPEX		Wera 22 x		Stabila	
26 22 200 KNIPEX		86 01 250 KNIPEX		Heyco		Stabila	





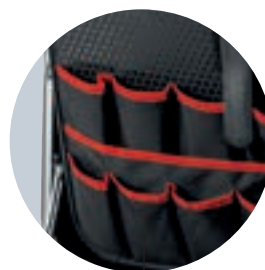
# Tool Case "BIG Twin"

empty

- ▶ With a total of 95 inserting options
- ▶ Max. payload: 25 kg
- ▶ Volume: 38 litres

- > Free-standing in all opening positions due to snap-in cover holders with hinge mechanism on both sides, angle freely adjustable
- > Can be opened from one or both sides; bottom and lid can be opened independently of each other
- > Label field with two stickers for individual labelling
- > Heavy duty ABS material, black
- > Circumferential aluminium frame with securely mounted, sturdy centre wall that can be fitted on both sides, with versatile inserting options due to elasticated loops and twelve small pockets
- > Metal hinges
- > Three-digit combination lock for secure locking of the case
- > Two metal tilt locks each for fixing the cover and the base
- > Removable document compartment and removable tool board made from dirt-repelling twin-wall PP sheets with 13 tool pockets
- > Base tray, can be fixed by press button, height 58 mm, can be subdivided by flexible inserts; cover plate with six large compartments

Everything at hand due to intelligent layout



00 21 42 LE  
Case without tools



Can be opened from both sides, large storage space with numerous tool bags



Base tray with handy, robust aluminium dividing bars



Article No.	EAN	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	 g
00 21 42 LE	084211	520 (490)	435 (370)	250 (110/100)	7200

# Tool Case "BIG Twin" Electric

- Equipped with 14 KNIPEX tools, a total of 63 brand tools, partly VDE-tested according to DIN EN 60900







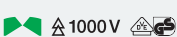
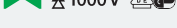



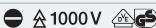
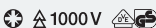
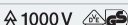
For further benefits of the case, see page 336



## Content

00 21 42

00 11 01 KNIPEX		26 26 200 KNIPEX		97 53 04 KNIPEX		Wera	
08 26 145 KNIPEX		70 06 160 KNIPEX		98 52 KNIPEX		Picard	
12 52 195 KNIPEX		74 06 200 KNIPEX		98 2X XX SL 2 x KNIPEX		Rennsteig	
13 86 200 KNIPEX		86 03 180 KNIPEX		Wera 16 Parts		Stabila	
16 95 01 KNIPEX		87 01 180 KNIPEX		Wera 28 Parts		Stabila	

Article No.	EAN 4003773-				Nominal size	Quantity	g
00 21 42	084228	Tool Case "BIG Twin" Electric					11550
		 00 11 01	KNIPEX TwinKey® Control Cabinet Key	KNIPEX	92 mm	1	
		 08 26 145	Needle-Nose Combination Pliers		145 mm	1	
		 12 52 195 SB	KNIPEX PreciStrip16 Automatic Insulation Stripper		0.08 - 16 mm²	1	
		 13 86 200	Pliers for Electrical Installation		Ø 15 mm / 50 mm²	1	
		 16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool		Ø 8.0 – 13.0 mm	1	
		 26 26 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		200 mm	1	
		 70 06 160	Diagonal Cutter		160 mm	1	
		 74 06 200	High Leverage Diagonal Cutter		200 mm	1	
		 86 03 180	Pliers Wrench pliers and a wrench in a single tool		180 mm	1	
		 87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers		180 mm	1	
		 97 53 04	Self-Adjusting Crimping Pliers for wire ferrules with lateral access		0.08 – 10 + 16 mm²	1	
		 98 20 35 SL	Screwdriver (Slim) for slotted screws		0.6 x 3.5 x 100 mm	1	
		 98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®		PZ1 x 80 mm	1	
		 98 52	Cable Knife		185 mm	1	
			Joker open-end wrench	Wera	10 x 13 mm	1	
			8100 SA 8 Zyklop set of metal ratchets 28 parts		1/4"	1	
			VDE interchangeable blades, 16 parts, slim			1	
			Locksmith's hammer	Picard	300 g	1	
			Electrician's Chisel	Rennsteig	250 x 10 mm	1	
			Spirit Level Type 70 Electric	Stabila	430 mm	1	
			Pocket Electric mini spirit level		68 mm	1	

00 21 42 LE 084211 Tool Case "BIG Twin" empty

# Tool Case "BIG Twin Move"

empty

with integrated wheels and telescopic handle

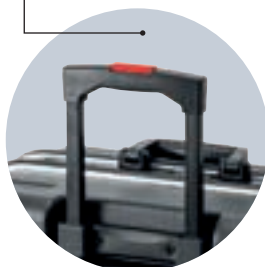
- ▶ With a total of 95 inserting options
- ▶ Max. payload: 30 kg
- ▶ Volume: 38 litres

- > Base tray, can be fixed by a push button, 70 mm high, can be subdivided by inserts, cover board with 13 tool pockets
- > Free-standing in all opening positions due to snap-in cover holders with hinge mechanism on both sides, angle freely adjustable
- > Removable document compartment and removable tool boards made from dirt-repellent PP twin-wall sheets with 13 tool pockets
- > Label field with two stickers for individual labelling
- > Telescopic handle set in the base as well as two external, smooth-running skater wheels
- > Heavy duty ABS material, black
- > Circumferential aluminium frame with securely mounted, sturdy centre wall that can be fitted on both sides, with versatile inserting options due to elasticated loops and twelve small pockets
- > Metal hinges
- > Three-digit combination lock for secure locking of the case
- > Two metal tilt locks each for fixing the cover and the base
- > Can be opened from one or both sides; bottom and lid can be opened independently of each other

Everything at hand due to intelligent layout



00 21 41 LE  
Case without tools



Extendable  
telescopic handle



Smooth-running  
skater wheels



Base tray with handy, robust  
aluminium dividing bars



"BIG Twin Move RED"  
see page 340



Article No.	EAN	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	g
00 21 41 LE	4003773-071549	520 (490)	435 (370)	290 (110/100)	8600

# Tool Case "BIG Twin Move" Electric

63 parts

- Equipped with 14 KNIPEX tools, a total of 63 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the case, see page 338



00 21 41

## Content

00 11 01 KNIPEX		26 26 200 KNIPEX		97 53 04 KNIPEX		Wera	
08 26 145 KNIPEX		70 06 160 KNIPEX		98 52 KNIPEX		Picard	
12 52 195 KNIPEX		74 06 200 KNIPEX		98 2X XX SL 2 x KNIPEX		Rennsteig	
13 86 200 KNIPEX		86 03 180 KNIPEX		Wera 16 Parts		Stabila	
16 95 01 KNIPEX		87 01 180 KNIPEX		Wera 28 Parts		Stabila	

Article No.	EAN					Nominal size	Quantity	Δg
00 21 41	4003773-082118	Tool Case "BIG Twin Move" Electric						12960
		00 11 01	KNIPEX TwinKey® Control Cabinet Key	KNIPEX		92 mm	1	
		08 26 145	Needle-Nose Combination Pliers			145 mm	1	
		12 52 195 SB	KNIPEX PreciStrip16 Automatic Insulation Stripper			0.08 – 16 mm²	1	
		13 86 200	Pliers for Electrical Installation			Ø 15 mm / 50 mm²	1	
		16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool			Ø 8.0 – 13.0 mm	1	
		26 26 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)			200 mm	1	
		70 06 160	Diagonal Cutter			160 mm	1	
		74 06 200	High Leverage Diagonal Cutter			200 mm	1	
		86 03 180	Pliers Wrench pliers and a wrench in a single tool			180 mm	1	
		87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers			180 mm	1	
		97 53 04	Self-Adjusting Crimping Pliers for wire ferrules with lateral access			0.08 – 10 + 16 mm²	1	
		98 20 35 SL	Screwdriver (Slim) for slotted screws			0.6 x 3.5 x 100 mm	1	
		98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®			PZ1 x 80 mm	1	
		98 52	Cable Knife			185 mm	1	
			Joker open-end wrench	Wera		10 x 13 mm	1	
			8100 SA 8 Zyklop set of metal ratchets 28 parts			1/4"	1	
			VDE interchangeable blades, 16 parts, slim				1	
			Locksmith's hammer	Picard		300 g	1	
			Electrician's Chisel	Rennsteig		250 x 10 mm	1	
			Spirit Level Type 70 Electric	Stabila		430 mm	1	
			Pocket Electric mini spirit level			68 mm	1	

00 21 41 LE	071549	Tool Case "BIG Twin Move" empty
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## Toolbox "BIG Twin Move RED"

empty

▶ With a total of 95 inserting options

▶ Max. payload: 30 kg

▶ Volume: 38 litres

- > Telescopic handle set in the base as well as two external, smooth-running skater wheels
- > Free-standing in all opening positions due to snap-in cover holders with hinge mechanism on both sides, angle freely adjustable
- > Can be opened from one or both sides; bottom and lid can be opened independently of each other
- > Label field with two stickers for individual labelling
- > Circumferential aluminium frame with securely mounted, sturdy centre wall that can be fitted on both sides, with versatile inserting options due to elasticated loops and twelve small pockets
- > Metal hinges
- > Three-digit combination lock for secure locking of the case
- > Two metal tilt locks each for fixing the cover and the base
- > Removable document compartment and removable tool board made from dirt-repelling twin-wall PP sheets with 13 tool pockets
- > Base tray, can be fixed by press button, height 58 mm, can be subdivided by flexible inserts; cover plate with six large compartments
- > IEC 60900, DIN EN 60900



98 99 15 LE



Article No.	EAN	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	g
98 99 15 LE	4003773-084334	520 (490)	435 (370)	290 (110)	8600

## Toolbox "BIG Twin Move RED" Electric Competence
















- ▶ Hard-wearing ABS material construction, red; equipped with a range of KNIPEX tools for working on systems, tested according to DIN EN/IEC 60900



98 99 15

## Content

70 06 160 KNIPEX		98 00 XX 6 x KNIPEX		98 47 XX 9 x KNIPEX		98 25 02 SLS KNIPEX	
08 26 145 KNIPEX		98 01 XX 6 x KNIPEX		98 64 02 6 x KNIPEX		98 24 XX SL 2 x KNIPEX	
11 06 160 KNIPEX		98 42 KNIPEX		98 20 25 KNIPEX		98 52 KNIPEX	
87 26 250 KNIPEX		98 40 KNIPEX		98 20 XX SL 3 x KNIPEX		98 53 03 KNIPEX	
95 16 200 KNIPEX		98 45 XXX 2 x KNIPEX		98 25 XX SL 2 x KNIPEX			

Article No.	EAN 4003773-		Nominal size	Quantity	g
<b>98 99 15</b>	084341	Toolbox "BIG Twin Move RED" Electric Competence			15095
		  08 26 145 Needle-Nose Combination Pliers	145 mm	1	
		 11 06 160 Insulation Stripper with opening spring, universal	Ø 5.0 mm / 10.0 mm <sup>2</sup>	1	
		 70 06 160 Diagonal Cutter	160 mm	1	
		 95 16 200 Cable Shears with twin cutting edge	Ø 20 mm / 70 mm <sup>2</sup>	1	
		 98 00 10	10 mm	1	
		98 00 13	13 mm	1	
		98 00 14	14 mm	1	
		98 00 17	17 mm	1	
		98 00 19	19 mm	1	
		98 00 22	22 mm	1	
		 98 01 10	10 mm	1	
		98 01 13	13 mm	1	
		98 01 14	14 mm	1	
		98 01 17	17 mm	1	
		98 01 19	19 mm	1	
		98 01 22	22 mm	1	
		 98 20 25 Screwdrivers for slotted screws	0.4 x 2.5 x 75 mm	1	
		98 20 40 SL	0.8 x 4.0 x 100 mm	1	
		98 20 55 SL	1.0 x 5.5 x 125 mm	1	
		98 20 65 SL	1.2 x 6.5 x 150 mm	1	
		 98 24 01 SL Screwdriver (Slim) for cross-recessed screws Phillips®	PH1 x 80 mm	1	
		98 24 02 SL	PH2 x 100 mm	1	
		 98 25 01 SL Screwdriver (Slim) for cross-recessed screws Pozidriv®	PZ1 x 80 mm	1	
		98 25 02 SL	PZ2 x 100 mm	1	
		 98 25 02 SLS Screwdriver (Slim) Plus/Minus Pozidriv®	PZ/S2 x 100 mm	1	
		98 40	165 mm	1	
		 98 42 Reversible Ratchet with driving square 1/2"	5–50 Nm in steps of 0.25 Nm	1	
		98 45 125	+ 125 mm	1	
		98 45 250	+ 250 mm	1	
		 98 47 10	10 mm	1	
		98 47 11	11 mm	1	
		98 47 12	12 mm	1	
		98 47 13	13 mm	1	
		98 47 14	14 mm	1	
		98 47 17	17 mm	1	
		98 47 19	19 mm	1	
		98 47 22	22 mm	1	
		98 47 24	24 mm	1	
		 98 52 Cable Knife	185 mm	1	
		98 53 03	155 mm	1	
		 98 64 02 Insulating clamps plastic	150 mm	6	
<b>98 99 15 LE</b>	084334	Tool Case "BIG Twin Move RED" empty			

# Tool Case "Robust"

empty

► For the toughest conditions:  
Dust-tight, waterproof and temperature-resistant

- > Fit-to-fly case, made from impact-resistant polypropylene
- > Dustproof and watertight
- > Air pressure compensation valve
- > Temperature-resistant from -30°C to +80° C
- > Padlock eyelets
- > Document compartment; tool boards made from dirt-repelling twin-wall PP sheet with tool pockets and tool straps
- > Lockable base tray can be individually divided using aluminium separator system
- > Ergonomic dual-component handle

00 21 36 LE



00 21 33 LE



00 21 37 LE

The "Robust" cases in comparison:

	Number of inserting options	Capacity litres	Max. load kg	Dimensions base tray mm (W x H x D)	Trolley function
"Robust23" 00 21 35 LE	49	23	25	470 x 370 x 190	–
"Robust26 Move" 00 21 33 LE	80	26,4	25	550 x 350 x 225	✓
"Robust34" 00 21 36 LE	93	34	25	510 x 419 x 215	–
"Robust45 Move" 00 21 37 LE	147	45	35	609 x 428 x 236	✓



Pressure valve for ventilation and nameplate for individual identification



Document compartment



With locking mechanism by means of a padlock (padlock not included in delivery)



Aluminium separators for individual division of the base tray



Also suitable as a standing or sitting aid



Locking the case with robust tilt locks



Secure fixing of the tool board prevents tools from falling out of the base

# Tool Case "Robust23" Electric

25 parts

- Equipped with 25 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the case, see page 342



00 21 35

## Content

12 40 200 KNIPEX		70 06 160 KNIPEX		98 52 KNIPEX	
13 86 200 KNIPEX		87 01 180 KNIPEX		Wera 16 Parts	
16 95 01 KNIPEX		97 53 04 KNIPEX		Stabila	

Article No.	EAN 4003773-					Nominal size	Quantity	g
<b>00 21 35</b>	084365	Tool Case "Robust23" Electric						6775
			12 40 200	Self-Adjusting Insulation Stripper	KNIPEX	0.03 – 10.0 mm <sup>2</sup>	1	
			13 86 200	Pliers for Electrical Installation		Ø 15 mm / 50 mm <sup>2</sup>	1	
			16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool		Ø 8.0 – 13.0 mm	1	
			70 06 160	Diagonal Cutter		160 mm	1	
			87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers		180 mm	1	
			97 53 04	Self-Adjusting Crimping Pliers for wire ferrules with lateral access	KNIPEX	0.08 – 10 + 16 mm <sup>2</sup>	1	
			98 52	Cable Knife		185 mm	1	
				Kraftform Compact VDE 16 Slim	Wera		1	
				Folding ruler Stabila series 400	Stabila	200 mm	1	
<b>00 21 35 LE</b>	077596	Tool Case „Robust23“ empty						



# Tool Case "Robust26 Move" Electric

## 22 parts

- Equipped with 16 KNIPEX tools, a total of 22 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the case, see page 342



00 21 33 E

## Content

00 11 01 KNIPEX		70 06 160 KNIPEX		98 25 01 SLS KNIPEX		Lyra	
08 26 185 KNIPEX		78 06 125 KNIPEX		98 20 35 SL KNIPEX		Picard	
12 52 195 KNIPEX		90 22 10 KNIPEX		98 20 55 SL KNIPEX		Stabila	
13 86 200 KNIPEX		97 53 14 KNIPEX		98 52 KNIPEX		Stabila	
16 95 01 KNIPEX		98 25 01 SL KNIPEX		KNIPEX			
26 26 200 KNIPEX		98 25 02 SL KNIPEX		Wera 9 Parts			

Article No.	EAN						Nominal size	Quantity	Δ g
00 21 33 E	4003773-089094	Tool Case "Robust26 Move" Electric							10100
			00 11 01	KNIPEX TwinKey® Control Cabinet Keys	KNIPEX		92 mm	1	
			08 26 185	Needle-Nose Combination Pliers			185 mm	1	
			12 52 195	KNIPEX PreciStrip 16 Automatic Insulation Stripper			0.08–16 mm²	1	
			13 86 200	Pliers for Electrical Installation			Ø 15 mm / 50 mm²	1	
			16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool			Ø 8.0–13.0 mm	1	
			26 26 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)			200 mm	1	
			70 06 160	Diagonal Cutter			160 mm	1	
			78 06 125	Electronic Super Knips			125 mm	1	
			90 22 10 BK	KNIPEX BiX Cutter for plastic pipes and sealing sleeves			72 mm	1	
			97 53 14	Self-Adjusting Crimping Pliers for wire ferrules with lateral access			0.08 – 16 mm²	1	
			98 20 35 SL	Screwdriver (Slim) for slotted screws			0.6 x 3.5 x 100 mm	1	
			98 20 55 SL	Screwdriver (Slim) for slotted screws			1.0 x 5.5 x 125 mm	1	
			98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®			PZ1 x 80 mm	1	
			98 25 02 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®			PZ2 x 100 mm	1	
			98 25 01 SLS	Screwdriver (Slim) Plus/Minus Pozidriv®			PZ/S1 x 80 mm	1	
			98 52	Cable Knife			190 mm	1	
				Wooden folding rule type 1607, white			2000 mm	1	
				Set of hex key wrenches	Wera		1.5–10 mm	1	
				Deep hole marker	Lyra			1	
				Locksmith's hammer	Picard		300 g	1	
				Pocket Electric mini spirit level			68 mm	1	
				Spirit level type 70	Stabila		30 cm	1	

00 21 33 LE	057543	Tool Case "Robust26 Move" empty
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# Tool Case "Robust26 Move"

## Plumbing

17 parts

- Equipped with 12 KNIPEX tools, a total of 17 brand tools, partly VDE-tested according to DIN EN 60900











For further benefits of the case, see page 342



00 21 33 S

### Content

00 11 01 KNIPEX		90 31 02 KNIPEX		KNIPEX	
74 06 180 KNIPEX		90 22 10 KNIPEX		Wera 9 Parts	
86 03 300 KNIPEX		98 24 01 SL KNIPEX		Lyra	
87 01 180 KNIPEX		98 24 02 SL KNIPEX		Picard	
87 01 300 KNIPEX		98 20 35 SL KNIPEX		Stabila	
90 10 165 KNIPEX		98 20 55 SL KNIPEX			

Article No.	EAN 4003773-				Nominal size	Quantity	 g		
00 21 33 S	089100	Tool Case "Robust26 Move" Plumbing					9700		
			00 11 01	KNIPEX TwinKey® Control Cabinet Keys	KNIPEX	92 mm		1	
		 	74 06 180	High Leverage Diagonal Cutter		180 mm		1	
			86 03 300	Pliers Wrench pliers and a wrench in a single tool		300 mm		1	
			87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers		180 mm		1	
			87 01 300			300 mm		1	
			90 10 165 BK	KNIPEX CutiX® Universal knife		165 mm		1	
			90 22 10 BK	KNIPEX BiX Cutter for plastic pipes and sealing sleeves		72 mm		1	
			90 31 02 SB	KNIPEX TubiX® Pipe cutter		180 mm		1	
		 	98 20 35 SL	Screwdriver (Slim) for slotted screws		0.6 x 3.5 x 100 mm		1	
			98 20 55 SL			1.0 x 5.5 x 125 mm		1	
		 	98 24 01 SL	Screwdriver (Slim) for cross-recessed screws Phillips®		PH1 x 80 mm		1	
			98 24 02 SL			PH2 x 100 mm		1	
				Wooden folding rule type 1607, white		2.000 mm		1	
				Set of hex key wrenches		Wera		1.5 – 10 mm	1
				Deep hole marker		Lyra		2.8 mm	1
				Locksmith's hammer		Picard		300 g	1
		Spirit level type 70	Stabila	30 cm		1			
00 21 33 LE	057543	Tool Case "Robust26 Move" empty							

# Tool Case "Robust34" Electric

## 26 parts

- Equipped with 26 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the case, see page 342



00 21 36



## Content

00 11 01 KNIPEX		13 86 200 KNIPEX		87 01 180 KNIPEX		Wera 16 Parts	
08 26 145 KNIPEX		16 95 01 KNIPEX		97 53 04 KNIPEX		Stabila	
12 40 200 KNIPEX		70 06 160 KNIPEX		98 52 KNIPEX			

Article No.	EAN 4003773-					Nominal size	Quantity	g
00 21 36	082583	Tool Case "Robust34" Electric						8810
			00 11 01	KNIPEX TwinKey® Control Cabinet Key	KNIPEX	92 mm	1	
			08 26 145	Needle-Nose Combination Pliers		145 mm	1	
			12 40 200	Self-Adjusting Insulation Stripper		0.03 – 10.0 mm²	1	
			13 86 200	Pliers for Electrical Installation		Ø 15 mm / 50 mm²	1	
			16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool		Ø 8.0 – 13.0 mm	1	
			70 06 160	Diagonal Cutter		160 mm	1	
			87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers		180 mm	1	
			97 53 04	Self-Adjusting Crimping Pliers for wire ferrules with lateral access		0.08 – 10 + 16 mm²	1	
			98 52	Cable Knife		185 mm	1	
				Kraftform Compact VDE 16 Slim	Wera		1	
				Spirit Level Type 70 Electric	Stabila	430 mm	1	
00 21 36 LE	082576	Tool Case "Robust34" empty						

# Tool Case "Robust45 Move" Electric

63 parts

- ▶ Extensively equipped with 63 brand tools, partly VDE-tested according to DIN EN 60900












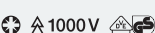


For further benefits of the case, see page 342

00 21 37



## Content

00 11 01 KNIPEX		26 26 200 KNIPEX		97 53 04 KNIPEX		Wera	
08 26 145 KNIPEX		70 06 160 KNIPEX		98 52 KNIPEX		Picard	
12 52 195 SB KNIPEX		74 06 200 KNIPEX		98 2X XX SL 2 x KNIPEX		Rennsteig	
13 86 200 KNIPEX		86 03 180 KNIPEX		Wera 28 Parts		Stabila	
16 95 01 KNIPEX		87 01 180 KNIPEX		Wera 16 Parts		Stabila	

Article No.	EAN 4003773-				Nominal size	Quantity	 g
00 21 37	082606	Tool Case "Robust34" Electric					14770
		 00 11 01	KNIPEX TwinKey® Control Cabinet Key	KNIPEX	92 mm	1	
		 08 26 145	Needle-Nose Combination Pliers		145 mm	1	
		12 52 195 SB	KNIPEX PreciStrip16 Automatic Insulation Stripper		0.08 – 16 mm²	1	
		 13 86 200	Pliers for Electrical Installation		Ø 15 mm / 50 mm²	1	
		 16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool		Ø 8.0 – 13.0 mm	1	
		 26 26 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		200 mm	1	
		 70 06 160	Diagonal Cutter		160 mm	1	
		74 06 200	High Leverage Diagonal Cutter		200 mm	1	
		 86 03 180	Pliers Wrench pliers and a wrench in a single tool		180 mm	1	
		 87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers		180 mm	1	
		 97 53 04	Self-Adjusting Crimping Pliers for wire ferrules with lateral access		0.08 – 10 + 16 mm²	1	
		 98 20 35 SL	Screwdriver (Slim) for slotted screws		0.6 x 3.5 x 100 mm	1	
		 98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®		PZ1 x 80 mm	1	
		 98 52	Cable Knife		185 mm	1	
		 98 52	Kraftform Compact VDE 16 Slim		1		
			Joker open-end wrench	Wera	10 x 13 mm	1	
			8100 SA 8 Zyklop set of metal ratchets 28 parts		1/4"	1	
			Locksmith's hammer	Picard	300 g	1	
			Electrician's Chisel	Rennsteig	250 x 10 mm	1	
			Spirit Level Type 70 Electric		430 mm	1	
			Pocket Electric mini spirit level	Stabila	68 mm	1	
00 21 37 LE	082590	Tool Case "Robust34" empty					

00 21 37 LE 082590 Tool Case "Robust34" empty



**90 parts**

- For further benefits of the case, see page 342



00 21 37 M

348 | TOOL ASSORTMENT AND TOOL CASES

# Tool Case "Vision24"

empty

- ▶ With a total of 21 inserting options
- ▶ Max. payload: 20 kg
- ▶ Volume: 24 litres
- > Flexible options due to the individual partitioning of the inserts in the 60 mm deep base tray and its cover plate with six large tool compartments
- > Tough ratchet hinges hold the lid open where necessary despite the deadweight of the tools
- > Sturdy, ergonomic carrying handle, snaps into place at a 90° angle
- > Removable tool board with 15 tool pockets on the bottom side and six tool pockets as well as a clamp compartment (400 mm wide) on the cover side, held by a push button
- > Two lockable steel flip locks protect the case contents from theft
- > With circumferential double aluminium frame
- > Heavy duty ABS material, black
- > Cover and tool boards made from dirt-repellent PP twin-wall sheets



00 21 20 LE



Article No.	EAN	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	g
00 21 20 LE	4003773-044567	480 (460)	180 (170)	370 (310)	4485

# Tool Case "Vision24" Electric

20 parts

► With 20 brand tools, partly VDE tested according to DIN EN/IEC 60900

For further benefits of the case, see page 349

00 21 20



## Content

03 06 180 KNIPEX		26 26 200 KNIPEX		87 03 250 KNIPEX		Wera	
12 40 200 KNIPEX		70 06 160 KNIPEX		95 16 200 KNIPEX			
16 95 01 KNIPEX		74 06 200 KNIPEX		95 16 2008 x KNIPEX			
26 16 200 KNIPEX		86 03 180 KNIPEX		98 52 KNIPEX			

Article No.	EAN 4003773-					Nominal size	Quantity	g
00 21 20	052166	Tool Case "Vision24" Electric						7055
			03 06 180	Combination Pliers	KNIPEX	180 mm	1	
			12 40 200	Self-Adjusting Insulation Stripper		0.03 – 10.0 mm²	1	
			16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool		Ø 8.0 – 13.0 mm	1	
			26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		200 mm	1	
			26 26 200			200 mm	1	
			70 06 160	Diagonal Cutter		160 mm	1	
			74 06 200	High Leverage Diagonal Cutter		200 mm	1	
			86 03 180	Pliers Wrench pliers and a wrench in a single tool		180 mm	1	
			87 03 250	KNIPEX Cobra® High-Tech Water Pump Pliers		250 mm	1	
			95 16 200	Cable Shears with twin cutting edge		Ø 20 mm / 70 mm²	1	
			98 20 25	Screwdrivers for slotted screws		0.4 x 2.5 x 75 mm	1	
			98 20 40 SL	Screwdriver (Slim) for slotted screws		0.8 x 4 x 100 mm	1	
			98 20 55 SL			1.0 x 5.5 x 125 mm	1	
			98 20 65 SL			1.2 x 6.5 x 150 mm	1	
			98 24 01 SL	Screwdriver (Slim) for cross-recessed screws Phillips®		PH1 x 80 mm	1	
			98 24 02 SL			PH2 x 100 mm	1	
			98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®		PZ1 x 80 mm	1	
			98 25 02 SL			PZ2 x 100 mm	1	
			98 52	Cable Knife		185 mm	1	
				Voltage detector, single-pole 247	Wera	0.5 x 3.0 x 70 mm	1	

00 21 20 LE 044567 Tool Case "Vision24" empty

# Tool Case "Vision27" Plumbing

52 parts

- Equipped with 52 brand quality tools, some VDE tested according to DIN EN 60900

For further benefits of the case, see page 349



00 21 21 HK S

## Content

00 11 01 KNIPEX		87 03 250 KNIPEX					
26 16 200 KNIPEX		Wera 9 Parts					
74 06 200 KNIPEX		Wera 28 Parts		Wera 9 x		Picard	
86 03 250 KNIPEX		Wera		Heyco		Rennsteig	
87 03 250 KNIPEX		Wera		Heyco		Stabila	

Article No.	EAN 4003773-						Nominal size	Quantity	g
00 21 21 HK S	080671	Tool Case "Vision27" Plumbing							9965
			00 11 01	KNIPEX TwinKey® Control Cabinet Keys	KNIPEX		92 mm	1	
			26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)			200 mm	1	
			74 06 180	High Leverage Diagonal Cutter			180 mm	1	
			86 03 250	Pliers Wrench			250 mm	1	
			87 01 250	KNIPEX Cobra® High-Tech Water Pump Pliers			250 mm	1	
			87 01 400	KNIPEX Cobra® XL Pipe Wrench and Water Pump Pliers			400 mm	1	
				Set of hex key wrenches	Wera		1.5 – 10 mm	1	
				Joker open-end wrench			10 x 13 mm	1	
				8100 SA 8 Zyklop set of metal ratchets 28 parts			1/4"	1	
				Voltage detector, single-pole 247			0.5 x 3.0 x 70 mm	1	
				Screwdrivers for slotted screws 160i			0.6 x 3.5 x 100 mm	1	
				Screwdriver, Kreuzschlitz Phillips® 162i PH			1.0 x 5.5 x 125 mm	1	
				Screwdrivers for Torx® screws 167 i			PH1 x 80 mm	1	
				Slotted chisel slotted screws 932 A			PH2 x 100 mm	1	
				Safety cutter knife			TX15 x 80 mm	1	
				Express key			TX20 x 80 mm	1	
				Locksmith's hammer	Heyco		TX25 x 100 mm	1	
				Mason's Chisels	Picard		1.2 x 7.0 x 125	1	
				Spirit level type 70	Rennsteig		1.6 x 9.0 x 150	1	
					Stabila		18 mm	1	
							M 10	1	
							300 g	1	
							250 mm	1	
							30 cm	1	



# Tool Bag "Classic"

## empty

- > Light design made of hard-wearing, reinforced polyester fabric
- > Front additionally reinforced with aluminium brackets
- > Semi-fold-out front with adjustable loops and exterior document compartment
- > With galvanized steel base tray
- > With carrying handle and adjustable shoulder strap



00 21 02 LE

Article No.	EAN 4003773-	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	⚖ g
00 21 02 LE	057499	480 (430)	380 (310)	180 (170)	2970





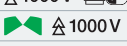
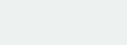



# Tool Bag "Classic" Electric

## 23 parts

- Equipped with 23 brand tools, partly VDE-tested according to DIN EN 60900



00 21 02 EL

Article No.	EAN 4003773-					Nominal size	Quantity	⚖ g
00 21 02 EL	081951	Tool Bag "Classic" Electric						6820
			03 06 180	Combination Pliers	KNIPEX	180 mm	1	
			11 06 160	Insulation Stripper with opening spring, universal		Ø 5.0 mm / 10.0 mm²	1	
			16 20 165 SB	Stripping Tool with scalpel blade		Ø 8.0 – 28.0 mm	1	
			16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool		Ø 8.0 – 13.0 mm	1	
			26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		160 mm	1	
			70 06 160	Diagonal Cutter		160 mm	1	
			98 20 25	Screwdrivers for slotted screws		0.4 x 2.5 x 75 mm	1	
			98 20 35 SL	Screwdriver (Slim) for slotted screws		0.6 x 3.5 x 100 mm	1	
			98 20 55 SL			1.0 x 5.5 x 125 mm	1	
			98 20 65 SL			1.2 x 6.5 x 150 mm	1	
			98 24 01 SL	Screwdriver (Slim) for cross-recessed screws Phillips®		PH1 x 80 mm	1	
			98 24 02 SL			PH2 x 100 mm	1	
			98 52	Cable Knife		185 mm	1	
				Voltage detector, single-pole	Wera		1	
				PUK® Junior Hacksaw	Haunstetter	150 x 240 mm	1	
				Painter's spatula 40 mm, wood, high quality	Maurerfreund	40 mm	1	
				Metre ruler (yardstick)	Picard	2 m	1	
				Flat brush		40 mm	1	
				Plaster bowl		127 x 94	1	
				Chipping hammer		800 g	1	
				Mason's Chisels	Rennsteig	300 mm	1	
				Electrician's Chisel		250 x 10 mm	1	
				Locksmith's hammer	Ruthe	300 g	1	
00 21 02 LE	057499	Tool Bag "Classic" empty						

## Tool Bag "Stretched"

### empty

- > Made of hard-wearing polyester fabric
- > For tools up to 450 mm in length
- > With two compartments on the back
- > With carrying handle and adjustable shoulder strap
- > Closing strap made of leather

00 21 07 LE



Article No.	EAN	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	g
00 21 07 LE	4003773-071358	555 (530)	200 (190)	175 (165)	1760

## Tool Bag "LightPack"

### empty

- ▶ Max. payload: 20 kg

- > Can be opened from both sides
- > Made from tough polyester fabric, with zip fasteners and hook-and-loop fastener
- > Tool loops inside
- > Plastic base tray
- > Steel handle with softgrip
- > Shoulder strap (can also be used as belt)

00 21 08 LE



Article No.	EAN	Dimension exterior width mm	Dimension exterior height mm	Dimension exterior depth mm	g
00 21 08 LE	4003773-077787	480	400	300	2800

## Tool Bag "Service"


### empty

- ▶ Perfect combination of laptop and tool bag
- ▶ With a total of 47 inserting options
- ▶ Max. payload: 12 kg
- ▶ Volume: 25 litres

- > Lined inside pouch for notebook (max. 19") and DIN A4 documents; also with DIN A4 zipped compartment
- > 90° fold-out front pouch with 8 tool pockets and one small inside pouch
- > Reverse side of the front pouch with 5 tool pouches and 3 pen pouches
- > 1 removable tool board with 8 tool pockets on the front and 2 rows of elastic straps on the back
- > Splash-water-protected bottom
- > Adjustable shoulder belt with quick-release fastener
- > With two carry loops
- > Made of hard-wearing polyester fabric



00 21 10 LE

Article No.	EAN 4003773-	Dimension exterior width mm	Dimension exterior height mm	Dimension exterior depth mm	 g
00 21 10 LE	074472	440	180	320	2700

## Tool Bag "Compact"


- ▶ Compact tool case for the service technician
- ▶ With a total of 15 inserting options

- > Suitable as an insert for: "Basic" 00 21 05 LE, "BIG Basic Move" 00 21 06 LE, "BIG Twin Move" 00 21 41 LE, "BIG Twin" 00 21 42 LE, "BIG Twin Move RED" 98 99 15 LE and other popular tool cases
- > With 8 tool pouches and 7 tool straps
- > Slip-through back strap to attach to a trolley
- > Bag without tools
- > Made from tough polyester fabric, with zip fastener



00 21 11 LE



Article No.	EAN 4003773-	Dimension exterior width mm	Dimension exterior height mm	Dimension exterior depth mm	 g
00 21 11 LE	077718	410	60	290	450

# Tool Bag "Compact" Electric





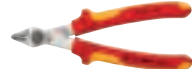




- ▶ Equipped with 12 KNIPEX tools, a total of 12 bars tools, partly VDE-tested according to DIN EN 60900
- ▶ With a total of 15 inserting options












- > Compact tool case for the service technician
- > Suitable as an insert for: "Basic" 00 21 05 LE, "BIG Basic Move" 00 21 06 LE, "BIG Twin Move" 00 21 41 LE, "BIG Twin" 00 21 42 "BIG Twin Move RED" 98 99 15 LE and other popular tool cases
- > With 8 tool pouches and 7 tool straps
- > Slip-through back strap to attach to a trolley
- > Made from tough polyester fabric, with zip fastener
- > Dimensions exterior (W x H x D): 410 x 60 x 290 mm



00 21 11

## Content

12 40 200 KNIPEX		70 06 160 KNIPEX		97 53 04 KNIPEX	
13 86 200 KNIPEX		78 06 125 KNIPEX		98 20 35 SL KNIPEX	
16 95 01 KNIPEX		87 01 250 KNIPEX		98 52 KNIPEX	

Article No.	EAN 4003773-					Nominal size	Quantity	Δ g
00 21 11	084532	Tool Bag "Compact" Electric						2975
		 12 40 200	Self-Adjusting Insulation Stripper			0.03 – 10.0 mm <sup>2</sup>	1	
		 13 86 200	Pliers for Electrical Installation			Ø 15 mm / 50 mm <sup>2</sup>	1	
		 16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool			Ø 8.0 – 13.0 mm	1	
		 70 06 160	Diagonal Cutter			160 mm	1	
		 78 06 125	Electronic Super Knips VDE			125 mm	1	
		 87 01 250	KNIPEX Cobra® High-Tech Water Pump Pliers			250 mm	1	
		 97 53 04	Self-Adjusting Crimping Pliers for wire ferrules with lateral access			0.08 – 10 + 16 mm <sup>2</sup>	1	
		 98 20 35 SL	Screwdriver (Slim) for slotted screws			0.6 x 3.5 x 100 mm	1	
		 98 24 02 SL	Screwdriver (Slim) for cross-recessed screws Phillips®			PH2 x 100 mm	1	
		 98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®			PZ1 x 80 mm	1	
		 98 25 02 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®			PZ2 x 100 mm	1	
		 98 52	Cable Knife			185 mm	1	
00 21 11 LE	077718	Tool Bag "Compact" empty						



# Tool bags for working at heights

**Reliable companion: keep tools and accessories protected and perfectly organised when climbing**

► 11 steel D-rings: 8 for attaching tethered tools and 3 to attach the bag to your climbing equipment – also suitable for left-handers

- > Two external metal retaining clips for cordless power tools and 18 internal elastic loops
- > Multifunctional lid: rolls away for easy access to tools and hook-and-loop patch for individual labelling
- > Removable shoulder strap for comfortable transport (not to be used when at heights)
- > Strong synthetic fibres, dirt and splash-proof due to rubber lining
- > Plastic-reinforced base plate with five rubber feet
- > To meet regulations while working at heights, for example industrial climbing, arborists, rescue services, at sea, etc.
- > When working at heights, all transported objects must be individually secured to the bag using suitable tethers, for example with the drop protection set 00 50 04 T BK
- > No PPE (personal protective equipment): not suitable for personal safety!

## 00 50 50 T LE

- > Holds a variety of items: divided main compartment, document/tablet compartment (A5/10") including pen holders and four side pockets
- > Volume approx. 12 litres, outer dimensions H x W x D approx. 370 x 250 x 150 mm, weight when empty approx. 1400 g
- > Independently certified safety: reliably loadable up to 10 kg

## 00 50 51 T LE

- > Holds a variety of items: divided main compartment, document/tablet compartment (A4/14") including pen holders and four side pockets
- > Volume approx. 17 litres, outer dimensions H x W x D approx. 470 x 250 x 150 mm, weight when empty approx. 1600 g
- > Independently certified safety: reliably loadable up to 15 kg

00 50 50 T LE



00 50 51 T LE

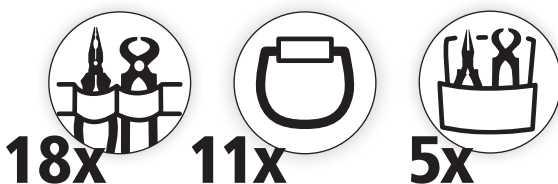


Document/laptop compartment



Pocket for e.g. water bottle

**Double-tested safety according to ANSI ISEA 121-2018 and by the independent test laboratory VPA Remscheid**



Article No.	EAN	Width mm	Height mm	Depth mm	g
00 50 50 T LE	089032	250	300	150	1400
00 50 51 T LE	089049	250	470	150	1600



# **KNIPEX L-BOXX®**

## **empty**

- ▶ Strong box made of impact- and shock-proof ABS plastic
- ▶ With a total of 48 inserting options
- ▶ Max. load: 25 kg

- > Splash-proof
- > Several boxes can be securely joined together
- > Flexible inner partitions
- > Handle can be lowered into a hollow in the lid to save space
- > Ergonomically shaped handles with additional moulded recess on the side for flexible, convenient handling
- > With two-piece tool board made from dirt-repellent PP twin-wall sheets
- > Tool boards are connected to each other using hook-and-loop
- > Cover part with ten pockets and ten elastic straps
- > Top of base part with seven pockets and tab for hanging up the tool board; can also be used to lift and set up the L-BOXX®
- > Bottom of base part with 7 pockets and 7 elastic straps
- > Strong box made of impact- and shock-proof ABS plastic



**00 21 19 LB**  
Box empty, with Tool card



**00 21 19 LB LE**  
Box empty, without Tool card



**00 21 19 LB WK**  
Tool card, individually available



The boxes are stackable and can be securely joined together



A lock can be attached to secure the device  
(lock not included in delivery)



Washable tool boards

Article No.	EAN		Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	⚖ g
<b>00 21 19 LB</b>	081616	KNIPEX L-BOXX®, empty, with Tool cards	442 (375)	151 (107)	357 (311)	2965
<b>00 21 19 LB LE</b>	081975	KNIPEX L-BOXX®, empty, without Tool cards	442 (375)	151 (107)	357 (311)	2566
<b>00 21 19 LB WK</b>	081609	Tool card	375	55	310	650



# KNIPEX L-BOXX® Electric

63 parts

- Equipped with 14 KNIPEX tools, a total of 63 brand tools, partly VDE-tested according to DIN EN 60900






















For further benefits of the case, see page 358



00 21 19 LB E

## Content

00 11 01 KNIPEX		26 26 200 KNIPEX		97 53 04 KNIPEX		Wera	
08 26 145 KNIPEX		70 06 160 KNIPEX		98 52 KNIPEX		Picard	
12 52 195 KNIPEX		74 06 200 KNIPEX		98 2X XX 2 x KNIPEX		Rennsteig	
13 86 200 KNIPEX		86 03 180 KNIPEX		Wera 16 Parts		Stabila	
16 95 01 KNIPEX		87 01 180 KNIPEX		Wera 28 Parts		Stabila	

Article No.	EAN 4003773-						Nominal size	Quantity	 g		
00 21 19 LB E	081623	KNIPEX L-BOXX® Electric							7495		
		 00 11 01	KNIPEX TwinKey® Control Cabinet Key			KNIPEX	92 mm	1			
		  08 26 145	Needle-Nose Combination Pliers				145 mm	1			
		 12 52 195 SB	KNIPEX PreciStrip16 Automatic Insulation Stripper				0.08 - 16 mm²	1			
		  13 86 200	Pliers for Electrical Installation				Ø 15 mm / 50 mm²	1			
		 16 95 01 SB	KNIPEX ErgoStrip® Universal Stripping Tool				Ø 8.0 – 13.0 mm	1			
		  26 26 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)				200 mm	1			
		 70 06 160	Diagonal Cutter				160 mm	1			
		 74 06 200	High Leverage Diagonal Cutter				200 mm	1			
		 86 03 180	Pliers Wrench pliers and a wrench in a single tool				180 mm	1			
		 87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers				180 mm	1			
		 97 53 04	Self-Adjusting Crimping Pliers for wire ferrules with lateral access				0.08 – 10 + 16 mm²	1			
		  98 20 35 SL	Screwdriver (Slim) for slotted screws				0.6 x 3.5 x 100 mm	1			
		  98 25 01 SL	Screwdriver (Slim) for cross-recessed screws Pozidriv®				PZ1 x 80 mm	1			
		  98 52	Cable Knife				185 mm	1			
			Joker open-end wrench				Wera	10 x 13 mm		1	
			8100 SA 8 Zyklop set of metal ratchets 28 parts					1/4"		1	
			VDE interchangeable blades, 16 parts, slim							1	
			Locksmith's hammer				Picard	300 g		1	
			Electrician's Chisel				Rennsteig	250 x 10 mm		1	
			Spirit Level Type 70 Electric			Stabila	430 mm	1			
			Pocket Electric mini spirit level				68 mm	1			
		00 21 19 LB	081616	KNIPEX L-BOXX®, empty, with Tool card							
		00 21 19 LB LE	081975	KNIPEX L-BOXX®, empty, without Tool card							
		00 21 19 LB WK	081609	Tool card							



# KNIPEX L-BOXX® Plumbing

52 parts

- Equipped with 13 KNIPEX tools, a total of 52 brand tools, partly VDE-tested according to DIN EN 60900

For further benefits of the case, see page 358



00 21 19 LB S

## Content

00 11 01 KNIPEX		87 01 400 KNIPEX		Wera 9 Parts		Rennsteig	
26 16 200 KNIPEX		98 2X XX 7 x KNIPEX		Heyco		Stabila	
74 06 180 KNIPEX		Wera		Heyco		Stabila	
86 03 250 KNIPEX		Wera 28 Parts		Picard		Zenten	
87 01 250 KNIPEX		Wera		Rennsteig			

Article No.	EAN 4003773-					Nominal size	Quantity	Δ g
00 21 19 LB S	081630	KNIPEX L-BOXX® Plumbing						9170
			00 11 01	KNIPEX TwinKey® Control Cabinet Key	KNIPEX	92 mm	1	
			26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)		200 mm	1	
			74 06 180	High Leverage Diagonal Cutter		180 mm	1	
			86 03 250	Pliers Wrench pliers and a wrench in a single tool		250 mm	1	
			87 01 250	KNIPEX Cobra® High-Tech Water Pump Pliers		250 mm	1	
			87 01 400	KNIPEX Cobra® XL Pipe Wrench and Water Pump Pliers		400 mm	1	
			98 20 35	Screwdrivers for slotted screws		0.6 x 3.5 x 100 mm	1	
			98 20 55	Screwdrivers for slotted screws		1.0 x 5.5 x 125 mm	1	
			98 24 01	Screwdriver for cross recessed screws Phillips®		PH1 x 80 mm	1	
			98 24 02	Screwdriver for cross recessed screws Phillips®		PH2 x 100 mm	1	
			98 26 15	Screwdrivers for Torx® screws	Wera	TX15 x 80 mm	1	
			98 26 20	Screwdrivers for Torx® screws		TX20 x 80 mm	1	
			98 26 25	Screwdrivers for Torx® screws		TX25 x 100 mm	1	
				Set of hex key wrenches		1.5 - 10 mm	1	
				Joker open-end wrench		10 x 13 mm	1	
				8100 SA 8 Zyklop set of metal ratchets 28 parts		1/4"	1	
				Voltage detector, single-pole 247		0.5 x 3.0 x 70 mm	1	
				Safety cutter knife		18 mm	1	
				Express key		M 10	1	
				Locksmith's hammer		300 g	1	
				Mason's Chisels	Rennsteig	250 mm	1	
				Electrician's Chisel		250 x 10 mm	1	
				Spirit level type 70	Stabila	30 cm	1	
				Folding ruler Stabila series 400		200 mm	1	
				Pipe cutter	Zenten	3 - 35 mm / 1/8 - 1 1/2"	1	
00 21 19 LB	081616	KNIPEX L-BOXX®, empty, with Tool card						
00 21 19 LB LE	081975	KNIPEX L-BOXX®, empty, without Tool card						
00 21 19 LB WK	081609	Tool card						

# Tool Box "RED" Electric Set 1

## 4 parts

- > High-quality, versatile, shock-resistant plastic case
- > Foam insert with honeycomb structure for variable equipment
- > External dimensions (W x H x D): 340 x 56 x 275 mm



00 20 15

Article No.	EAN 4003773-					Nominal size	Quantity	g
00 20 15	024804	Tool Box "RED" Electric Set 1						1430
					03 06 180	Combination Pliers	180 mm	1
					11 06 160	Insulation Stripper with opening spring, universal	Ø 5.0 mm / 10.0 mm²	1
					26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1
					70 06 160	Diagonal Cutter	160 mm	1
00 21 15 LE	045175	Tool Box "RED" empty						

# Tool Box "RED" Electric Set 2

## 7 parts

- > High-quality, versatile, shock-resistant plastic case
- > Foam insert with honeycomb structure for variable equipment
- > External dimensions (W x H x D): 340 x 56 x 275 mm



00 21 15

Article No.	EAN 4003773-					Nominal size	Quantity	g
00 21 15	042853	Tool Box "RED" Electric Set 2						1535
					03 06 180	Combination Pliers	180 mm	1
					26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	200 mm	1
					70 06 160	Diagonal Cutter	160 mm	1
					88 03 180	KNIPLEX Alligator® Water Pump Pliers	180 mm	1
						Screwdrivers for slotted screws 160 i	0.4 x 2.5 x 80 mm	1
						Screwdrivers for cross recessed Phillips® screws 162i PH	0.8 x 4.0 x 100 mm	1
							PH1 x 80 mm	1
00 21 15 LE	045175	Tool Box "RED" empty						

# Compact Tool Case

17 parts

with insulated tools for works on electrical installations

- ▶ Equipped with a range of customary insulated KNIPEX tools for work on electrical systems
- ▶ All tools are tested one by one and meet the requirements of ASTM F1505 and IEC 60900

- > Shock-resistant plastic case
- > Foam insert with precise recesses for holding the pliers
- > Dimensions, exterior (W x H x D): 380 x 85 x 260 mm
- > Dimensions, interior (W x H x D): 335 x 70 x 230 mm
- > DIN EN 60900, IEC 60900



98 99 11

## Content

03 07 200 KNIPEX		98 45 XXX 2 x KNIPEX	
70 07 160 KNIPEX		98 47 1X 7 x KNIPEX	
98 2X XX 4 x KNIPEX		98 52 KNIPEX	
98 42 KNIPEX			

Article No.	EAN 4003773-			Nominal size	Quantity	g
98 99 11	026624	Compact Tool Case				4055
		03 07 200	Combination Pliers	200 mm	1	
		70 07 160	Diagonal Cutter	160 mm	1	
		98 20 35	Screwdrivers for slotted screws	0.6 x 3.5 x 100 mm	1	
		98 20 40		0.8 x 4 x 100 mm	1	
		98 20 55		1.0 x 5.5 x 125 mm	1	
		98 24 00	Screwdriver for cross recessed screws Phillips®	PH0 x 60 mm	1	
		98 42	Reversible Ratchet with driving square 1/2"	1/2"	1	
		98 45 125	Extension Bar with internal/external square 1/2"	+ 125 mm	1	
		98 45 250		+ 250 mm	1	
		98 47 10	Hexagon Socket for hexagonal screws with internal square 1/2"	10 mm	1	
		98 47 11		11 mm	1	
		98 47 12		12 mm	1	
		98 47 13		13 mm	1	
		98 47 14		14 mm	1	
		98 47 17		17 mm	1	
		98 47 19		19 mm	1	
		98 52	Cable Knife	185 mm	1	
98 99 11 LE	028857	Compact Tool Case empty				

# Compact Tool Case

26 parts

with insulated tools for works  
on electrical installations

- > Shock-resistant plastic case
- > Equipped with a range of insulated KNIPEX tools for works on electrical installations
- > Foam inserts with recesses for the tools
- > Fixable partition wall
- > Dimensions, exterior (W x H x D): 440 x 105 x 385 mm
- > DIN EN 60900, IEC 60900



## Content

03 07 200 KNIPEX		98 40 KNIPEX	
70 07 160 KNIPEX		98 47 1X 7 x KNIPEX	
98 00 1X 7 x KNIPEX		98 52 KNIPEX	
98 2X XX 7 x KNIPEX		98 53 03 KNIPEX	

Article No.	EAN 4003773-		Nominal size	Quantity	Δ g
98 99 12	026631	Compact Tool Case			4710
		03 07 200 Combination Pliers	200 mm	1	
		70 07 160 Diagonal Cutter	160 mm	1	
		98 00 10	10 mm	1	
		98 00 11	11 mm	1	
		98 00 12	12 mm	1	
		98 00 13 Open-end wrench	13 mm	1	
		98 00 14	14 mm	1	
		98 00 17	17 mm	1	
		98 00 19	19 mm	1	
		98 20 25	0.4 x 2.5 x 75 mm	1	
		98 20 35	0.6 x 3.5 x 100 mm	1	
		98 20 40	0.8 x 4 x 100 mm	1	
		98 20 55	1.0 x 5.5 x 125 mm	1	
		98 24 00	PH0 x 60 mm	1	
		98 24 01 Screwdriver for cross recessed screws Phillips®	PH1 x 80 mm	1	
		98 24 02	PH2 x 100 mm	1	
		98 40 T-Handle Drive with driving square 1/2"	165 mm	1	
		98 47 10	10 mm	1	
		98 47 11	11 mm	1	
		98 47 12	12 mm	1	
		98 47 13 Hexagon Socket for hexagonal screws with internal square 1/2"	13 mm	1	
		98 47 14	14 mm	1	
		98 47 17	17 mm	1	
		98 47 19	19 mm	1	
		98 52 Cable Knife	185 mm	1	
		98 53 03 Stripping Knife	155 mm	1	

98 99 12 LE	028154	Compact Tool Case empty
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# Tool Box "SRZ"

## 8 parts

- > High-quality, impact-resistant plastic case
- > Contains common Precision Circlip Pliers for highest requirements; for internal and external circlips
- > Precisely-sized recesses for holding the pliers
- > Clearly organised storage of tools
- > Dimensions, exterior (W x H x D): 260 x 80 x 210 mm



00 21 25

Article No.	EAN 4003773-				Style	Capacity Ø mm	Tips Ø mm	Quantity	⚖ g
00 21 25	050131	Tool Box "SRZ" Circlip Pliers							1635
		⌚	48 11 J1	Precision Circlip Pliers for internal circlips in bore holes	DIN 5256 C, straight jaws	12.0 – 25.0	1.3	1	
			48 11 J2			19.0 – 60.0	1.8	1	
		⌚ 90°	48 21 J11		DIN 5256 D; 90° angled jaws	12.0 – 25.0	1.3	1	
			48 21 J21			19.0 – 60.0	1.8	1	
		⌚ MM	49 11 A1	Precision Circlip Pliers for external circlips on shafts	DIN 5254 A; straight jaws	10.0 – 25.0	1.3	1	
			49 11 A2			19.0 – 60.0	1.8	1	
		⌚ MM 90°	49 21 A11		DIN 5254 B; 90° angled jaws	10.0 – 25.0	1.3	1	
			49 21 A21			19.0 – 60.0	1.8	1	

# Tool Case for Photovoltaics

## empty

- > Shock-resistant plastic case
- > Foam insert with recesses for tools,  
2 crimping dies and 2 locators



97 91 01 LE





Article No.	EAN 4003773-	Width mm	Height mm	Depth mm	⚖ g
97 91 01 LE	088813	345	80	280	650

# Tool Case for Photovoltaics

- ▶ Equipped with tools for photovoltaics
- ▶ With Precision Insulation Stripper 12 12 11 with adapted blades for smaller stripping capacities 1.5 / 2.5 / 4.0 / 6.0 mm²
- ▶ With cable shears 95 16 165 for Cu cables up to Ø 15 mm
- > With Crimp System Pliers 97 43 200 A for exchangeable crimping dies; crimping pressure has been set precisely (calibrated) in the factory
- > Without crimping dies – please order separately (see ref. 97 49...) for individual assortment
- > With service tools (hexagonal key) for the change of crimping dies
- > Shock-resistant plastic case
- > Foam insert with recesses for tools, 2 crimping dies (not included) and 2 locators (not included)
- > Dimensions, exterior (W x H x D): 345 x 80 x 280 mm



97 91 01

Article No.	EAN 4003773-					Nominal size	Quantity	Δ g
97 91 01	070351	Tool Case for Photovoltaics						1964
			12 12 11	Precision Insulation Stripper with adapted blades		1.5 – 6.0 mm²	1	
		 1000 V 	95 16 165	Cable Shears		Ø 15 mm / 50 mm²	1	
			97 43 200 A	Crimp System Pliers for exchangeable crimping dies			1	
97 91 01 LE	088813	Tool Case for Photovoltaics empty						



# Sets for Photovoltaics MC4

## ► Equipped with tools for photovoltaics

- > With Crimp System Pliers 97 43 200 A for exchangeable crimping dies; crimping pressure has been set precisely (calibrated) in the factory
- > With cable shears 95 16 165 for Cu cables up to Ø 15 mm
- > With service tools (hexagonal key) for the change of crimping dies
- > With set of mounting tools 97 49 66 2 to loosen and tighten cable glands of MC4 solar plugs and to open the locking of MC4 housing
- > Foam insert with recesses for tools, 2 crimping dies and 2 locators
- > Shock-resistant plastic case
- > Dimensions, exterior (W x H x D): 345 x 80 x 280 mm

### 97 91 04 V01










- > With crimping die 97 49 66 for solar cable connectors MC4 (Multi-Contact) 2.5 – 6.0 mm<sup>2</sup>, locator 97 49 66 1

### 97 91 04 V02

- > With crimping die 97 49 71 for solar cable connectors MC4 (Multi-Contact) 4.0 – 10.0 mm<sup>2</sup>, locator 97 49 71 1



97 91 04 V01

Article No.	EAN 4003773-				Nominal size	Quantity	 g
97 91 04 V01	088998	Tool Case for Photovoltaics for solar cable connectors MC4 (Multi-Contact)					2010
		 12 12 11	Precision Insulation Stripper with adapted blades 1.5/2.5/4/6mm²	1.5 – 6.0 mm²	1		
		 95 16 165	Cable Shears	Ø 15 mm / 50 mm²	1		
		 97 43 200 A	Crimp System Pliers for exchangeable crimping dies		1		
		 97 49 66	Crimping die for solar cable connectors MC4 (Multi-Contact)	2.5 – 6.0 mm²	1		
		97 49 66 1	Locator for 97 49 66 (solar cable connectors MC4)		1		
		97 49 66 2	Set of Mounting Tools for solar cable connectors MC4 (Multi-Contact)		1		
97 91 04 V02	089001	Tool Case for Photovoltaics for solar cable connectors MC4 (Multi-Contact)					2010
		 12 12 12	Precision Insulation Stripper with adapted blades 4/6/10mm²	4.0 – 10.0 mm²	1		
		 95 16 165	Cable Shears	Ø 15 mm / 50 mm²	1		
		 97 43 200 A	Crimp System Pliers for exchangeable crimping dies		1		
		97 49 66 2	Set of Mounting Tools for solar cable connectors MC4 (Multi-Contact)		1		
		 97 49 71	Crimping die for solar cable connectors MC4 (Multi-Contact)	4.0 – 10.0 mm²	1		
		97 49 71 1	Locator for 97 49 71 (solar cable connectors MC4)		1		
97 91 01 LE	088813	Tool Case for Photovoltaics empty					



# TANOS MINI-systainer®

## empty

- > 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



97 90 00 LE

Article No.	EAN	Dimension exterior (interior) width mm	Dimension exterior (interior) height mm	Dimension exterior (interior) depth mm	Δ g
97 90 00 LE	4003773-054009	265 (254.5)	71 (53)	171 (154.5)	900





# Crimp Assortments

## for wire ferrules

- > 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 wire ferrules with/without collar

### 97 90 05

- > Crimping pliers for wire end ferrules (97 71 180)

### 97 90 06

- > Crimping pliers for wire end ferrules (97 71 180)

### 97 90 09

- > With Self-Adjusting Crimping Pliers for wire ferrules (97 53 04)

### 97 90 10

- > With Self-Adjusting Insulation Stripper (12 40 200);  
with Self-Adjusting Crimping Pliers for wire ferrules (97 53 04)

### 97 90 13

- > With KNIPEX Twistor16® (97 53 18) Self-Adjusting Crimping Pliers for wire ferrules with rotatable die head

### 97 90 14

- > With crimping pliers for wire ferrules KNIPEX Twistor16® (97 53 18) and KNIPEX PreciStrip16 (12 52 195)

### 97 90 15

- > With crimping pliers for wire ferrules (97 53 09) and KNIPEX PreciStrip16 (12 52 195)

### 97 90 16

- > With crimping pliers for wire ferrules (97 53 09) and Self-adjusting Insulation Stripper (12 40 200)

### 97 90 17

- > With crimping pliers for wire ferrules (97 53 09) and Self-adjusting Insulation Stripper (12 42 195)

### 97 90 23

- > With crimping pliers KNIPEX PreciForce for wire ferrules (97 52 38)



97 90 05



97 90 10



97 90 13



97 90 23

Article No.	EAN 4003773-		Pliers	200 x mm <sup>2</sup>	150 x mm <sup>2</sup>	100 x mm <sup>2</sup>	80 x mm <sup>2</sup>	75 x mm <sup>2</sup>	50 x mm <sup>2</sup>	40 x mm <sup>2</sup>	30 x mm <sup>2</sup>	20 x mm <sup>2</sup>	⚖ g
97 90 05	025535		97 71 180	0.5 / 0.75 / 1 / 1.5 / 2.5	4 / 6				10 / 16				930
97 90 06	025542		97 71 180	0.5 / 0.75 / 1 / 1.5	2.5			4 / 6	10	16			930
97 90 09	028574		97 53 04	0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6			10				1420
97 90 10	046202		12 40 200	0.5 / 0.75 / 1 / 1.5 / 2.5	4 / 6				10				1353
			97 53 04										
97 90 13	083474		97 53 18	0.5 / 0.75 / 1 / 1.5	2.5			4 / 6	10	16			1270
97 90 14	084884		97 53 18	0.5 / 0.75 / 1 / 1.5	2.5			4 / 6	10	16			1450
			12 52 195										
97 90 15	084877		97 53 09		1.5	2x1.5 / 2.5	2x2.5 / 4		6	2x4	2x6 / 10	2x10 / 16	1450
			12 52 195										
97 90 16	086024		12 40 200	0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6			10				1450
			97 53 09										
97 90 17	086031		12 42 195	0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6			10				1450
			97 53 09										
97 90 23	062158		97 52 38	0.5 / 0.75 / 1 / 1.5 / 2.5		4 / 6							1226
97 90 00 LE	054009	TANOS MINI-systainer® empty											900

# Crimp Assortments

## for cable connectors

- > 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 standard cable connectors



97 90 21



97 90 22

### 97 90 21

- > With crimping pliers KNIPEX PreciForce (97 52 36)  
(for insulated terminals and plug connectors)

### 97 90 22

- > Self-Adapting Universal Insulation Stripper Multistrip 10 (12 42 195);  
with crimping pliers KNIPEX PreciForce (97 52 36)  
(for insulated terminals and plug connectors)



97 90 25



97 90 26

### 97 90 25

- > With crimping pliers (97 22 240)

### 97 90 26

- > With crimping pliers (97 32 241)

Article No.	EAN 4003773-		Pliers	Cable Connectors	Quantity	Cable mm <sup>2</sup>	Δ g
97 90 21	062134		97 52 36	Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 – 1	1416
				Round Sockets, Ø 4 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 4 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 5 mm	25	4 – 6	
				Cable Connectors, eye type, Ø 6 mm	25	1.5 – 2.5	
				Butt Connectors, insulated Red	25	1.5 – 2.5	
				Butt Connectors, insulated Blue	25	0.5 – 1	
				Round Pin Plugs Ø 4 mm	25	4 – 6	
					25	1.5 – 2.5	
					25	0.5 – 1	
					25	1.5 – 2.5	
					25	0.5 – 1	
97 90 22	062141		97 52 36 12 42 195	Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 – 1	1527
				Cable Connectors, eye type, Ø 4 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 5 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 6 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 8 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 4 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 5 mm	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	
				Butt Connectors, insulated Yellow	25	4 – 6	
					25	0.5 – 1.5	
97 90 25	076971		97 22 240	Blade Terminal Sockets, 6.3 x 0.8 mm	25	1 – 2.5	1150
				Cable Connectors, eye type, Ø 4 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 5 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 4 mm	25	4 – 6	
				Cable Connectors, eye type, Ø 5 mm	25	0.5 – 1	
				Cable Connectors, eye type, Ø 6 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 8 mm	25	0.5 – 1	
				Butt Connectors, insulated Red	25	1.5 – 2.5	
				Butt Connectors, insulated Blue	25	0.5 – 1	
				Butt Connectors, insulated Yellow	25	1.5 – 2.5	
					25	4 – 6	
					25	1.5 – 2.5	
97 90 26	079521		97 32 240	Blade Terminal Sockets, non-insulated, 6.3 x 0.8 mm	25	4 – 6	1420
				Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 – 1	
				Blade Terminal Sockets, 6.3 x 0.8 mm	25	0.5 – 1	
				Blade Terminal Sockets, 6.3 x 0.8 mm	25	1.5 – 2.5	
				Blade Terminal Plugs, 6.3 x 0.8 mm	25	1.5 – 2.5	
				Cable Connectors, eye type, Ø 4 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	0.5 – 1	
					25	1.5 – 2.5	
					25	0.5 – 1	
					25	0.5 – 1	
97 90 00 LE	054009	TANOS MINI-systainer® empty					900

00 11 01	159	00 20 16 P	279	00 31 20 V03	312	09 11 240	15	13 86 200	222	26 17 200	224
00 11 02	160	00 20 16 P	323	00 31 30 BK V01	314	09 12 240	15	13 91 200	43	26 21 200	57
00 11 03	160	00 20 16 P ESD	279	00 31 30 BK V02	314	09 12 240 T	15	13 92 200	43	26 22 200	57
00 11 04	160	00 20 16 P ESD	323	00 31 30 BK V03	314	09 15 240	15	13 96 200	43	26 22 200 T	57
00 11 06	161	00 20 17	279	00 50 01 T BK	298	10 98 I220	148	13 96 200	222	26 25 200	57
00 11 06 V01	161	00 20 17	323	00 50 02 T BK	300	10 99 I220	148	13 96 200 T	43	26 25 200 T	57
00 11 06 V03	162	00 20 18	279	00 50 03 T BK	303	11 01 160	26	13 96 200 T	222	26 26 200	57
00 11 07	163	00 20 18	323	00 50 04 T BK	302	11 02 160	26	14 22 160	48	26 26 200	224
00 11 V79	265	00 20 18 ESD	279	00 50 05 T BK	298	11 05 160	26	14 25 160	48	26 26 200 T	57
00 19 41	317	00 20 18 ESD	323	00 50 06 T BK	300	11 06 160	26	14 26 160	48	26 26 200 T	224
00 19 41 LE	317	00 20 72 V01	309	00 50 10 T BK	299	11 06 160	219	14 26 160	221	26 27 200	57
00 19 55 S4	117	00 20 72 V02	309	00 50 11 T BK	301	11 06 160 T	26	15 11 120	292	26 27 200	224
00 19 55 S4	318	00 20 72 V04	309	00 50 12 T BK	299	11 06 160 T	219	15 19 005	292	28 01 200	58
00 19 55 S4 LE	117	00 20 72 V04 XS	308	00 50 13 T BK	301	11 07 160	26	15 19 006	292	28 21 200	58
00 19 55 S4 LE	318	00 20 72 V06	309	00 50 50 T LE	356	11 07 160	219	15 19 008	292	28 71 280	58
00 19 55 S5	125	00 20 90 V01	314	00 50 51 T LE	356	11 09 01	26	15 19 010	292	28 81 280	58
00 19 55 S5	319	00 20 90 V02	314	01 06 160	14	11 09 01	27	15 51 160	28	29 11 160	59
00 19 55 S5 LE	125	00 21 02 EL	352	01 06 160	216	11 09 01	219	15 61 160	28	29 21 160	59
00 19 55 S5 LE	319	00 21 02 LE	352	01 06 190	14	11 12 160	26	15 81 160	28	29 25 160	59
00 19 55 S6	117	00 21 05 EV	255	01 06 190	216	11 82 130	49	16 20 16 SB	36	30 11 140	60
00 19 55 S6	318	00 21 05 EV	329	02 01 180	11	11 92 140	49	16 20 165 SB	36	30 11 160	60
00 19 55 S6 LE	117	00 21 05 LE	328	02 01 200	11	12 11 180	25	16 20 28 SB	36	30 13 140	60
00 19 55 S6 LE	318	00 21 05 LE	329	02 01 225	11	12 12 02	25	16 20 50 SB	39	30 13 160	60
00 19 55 S7	117	00 21 06	332	02 02 180	11	12 12 06	25	16 29 165	36	30 15 140	60
00 19 55 S7	318	00 21 06 HK S	333	02 02 200	11	12 12 10	25	16 30 135 SB	37	30 15 160	60
00 19 55 S8	125	00 21 06 HL S	331	02 02 225	11	12 12 11	25	16 30 145 SB	37	30 16 160	60
00 19 55 S8	319	00 21 06 LE	331	02 02 225 T	11	12 12 12	25	16 39 135	37	30 16 160	225
00 19 55 S8 LE	125	00 21 06 LE	332	02 05 180	11	12 12 13	25	16 40 150	37	30 21 140	60
00 19 55 S8 LE	319	00 21 06 LE	333	02 05 200	11	12 12 14	25	16 49 150	37	30 21 160	60
00 19 55 S9	125	00 21 06 LE	334	02 05 225	11	12 19 02	25	16 60 05 SB	35	30 23 140	60
00 19 55 S9	319	00 21 06 LE	330	02 06 180	11	12 19 06	25	16 60 06 SB	35	30 25 140	60
00 19 56	79	00 21 06 M	334	02 06 180	216	12 19 10	25	16 60 100 SB	34	30 25 160	60
00 19 56	320	00 21 07 LE	353	02 06 200	11	12 19 11	25	16 64 125 SB	33	30 31 160	60
00 19 56 LE	320	00 21 08 LE	353	02 06 200	216	12 19 12	25	16 65 125 SB	34	30 33 160	60
00 19 56 V01	79	00 21 10 LE	354	02 06 225	11	12 19 13	25	16 80 125 SB	32	30 35 140	60
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00 19 57	79	00 21 11 LE	354	02 07 200	11	12 19 180	25	16 85 125 SB	32	30 36 160	60
00 19 57	320	00 21 11 LE	355	02 07 200	216	12 21 180	25	16 90 130 SB	32	30 36 160	225
00 19 57 V01	79	00 21 15	259	02 07 225	11	12 29 180	25	16 95 01 SB	31	31 11 160	61
00 19 57 V01	320	00 21 15	361	02 07 225	216	12 40 200	20	16 95 02 SB	31	31 15 160	61
00 19 58 LE	320	00 21 15 LE	259	03 01 140	10	12 42 195	18	19 01 130	52	31 21 160	61
00 19 58 LE	321	00 21 15 LE	361	03 01 160	10	12 49 01	20	19 03 130	52	31 25 160	61
00 19 58 V01	80	00 21 19 LB	358	03 01 180	10	12 49 02	20	20 01 125	54	32 11 135	62
00 19 58 V01	321	00 21 19 LB	359	03 01 200	10	12 49 03	20	20 01 140	54	32 21 135	62
00 19 58 V02	80	00 21 19 LB	360	03 01 250	10	12 49 04	20	20 01 160	54	32 31 135	62
00 19 58 V02	321	00 21 19 LB E	359	03 02 160	10	12 49 05	20	20 01 180	54	33 01 160	62
00 19 72 LE	309	00 21 19 LB LE	358	03 02 180	10	12 49 21	18	20 02 140	54	33 03 160	62
00 19 72 V01	309	00 21 19 LB LE	359	03 02 200	10	12 49 21	21	20 02 160	54	34 12 130	274
00 19 72 XS LE	308	00 21 19 LB LE	360	03 05 140	10	12 49 23	21	20 05 140	54	34 12 130 ESD	275
00 19 75 LE	170	00 21 19 LB S	360	03 05 160	10	12 49 23	18	20 05 160	54	34 22 130	274
00 19 75 LE	308	00 21 19 LB WK	358	03 05 180	10	12 49 23	19	20 06 160	54	34 22 130 ESD	275
00 19 92 V01 LE	293	00 21 19 LB WK	359	03 05 200	10	12 49 31	19	20 06 160	223	34 32 130	274
00 19 92 V01 LE	322	00 21 19 LB WK	360	03 06 160	10	12 49 32	19	22 01 125	53	34 32 130 ESD	275
00 19 92 V02 LE	293	00 21 20	350	03 06 160	217	12 52 195	19	22 01 140	53	34 42 130	274
00 19 92 V02 LE	322	00 21 20 LE	349	03 06 180	10	12 62 180	22	22 01 160	53	34 42 130 ESD	275
00 20 01 V02	81	00 21 20 LE	350	03 06 180	217	12 64 180	23	22 02 140	53	34 52 130	274
00 20 01 V02	313	00 21 21 HK S	351	03 06 180 T	10	12 69 21	22	22 02 160	53	34 52 130 ESD	275
00 20 01 V09	81	00 21 25	83	03 06 180 T	217	12 69 23	22	22 05 140	53	35 11 115	276
00 20 01 V09	313	00 21 25	364	03 06 200	10	12 69 31	23	22 05 160	53	35 12 115	276
00 20 01 V15	313	00 21 33 E	344	03 06 200	217	12 72 190	21	22 06 160	53	35 12 115 ESD	277
00 20 01 V16	313	00 21 33 LE	342	03 07 160	10	12 74 180 SB	23	22 06 160	221	35 21 115	276
00 20 01 V17	313	00 21 33 LE	344	03 07 160	217	12 79 31	23	25 01 125	55	35 22 115	276
00 20 03 SB	82	00 21 33 LE	345	03 07 180	10	12 80 040 SB	29	25 01 140	55	35 22 115 ESD	277
00 20 03 SB	315	00 21 33 S	345	03 07 180	217	12 80 100 SB	29	25 01 160	55	35 31 115	276
00 20 03 V02	82	00 21 35	343	03 07 200	10	12 82 130 SB	29	25 02 140	55	35 32 115	276
00 20 03 V02	315	00 21 35 LE	342	03 07 200	217	12 85 110 SB	30	25 02 160	55	35 32 115 ESD	277
00 20 04 SB	82	00 21 35 LE	343	03 07 250	10	13 01 160	40	25 03 125	55	35 41 115	276
00 20 04 SB	315	00 21 36	346	03 07 250	217	13 02 160	40	25 05 140	55	35 42 115	276
00 20 04 V01	82	00 21 36 LE	342	08 05 110	14	13 05 160	40	25 05 160	55	35 42 115 ESD	277
00 20 04 V01	315	00 21 36 LE	346	08 21 145	13	13 05 160 T	40	25 06 160	55	35 52 145	276
00 20 09 V01	310	00 21 37	347	08 21 185	12	13 42 165	41	25 06 160	223	35 52 145 ESD	277
00 20 09 V02	310	00 21 37 LE	342	08 21 185	13	13 45 165	41	25 06 160 T	55	35 62 145	276
00 20 09 V03	310	00 21 37 LE	347	08 22 145	13	13 46 165	41	25 06 160 T	223	35 62 145 ESD	277
00 20 10	310	00 21 37 LE	348	08 22 145 T	13	13 46 165	220	25 21 160	55	35 82 145	276
00 20 11	310	00 21 37 M	348	08 22 185	13	13 62 180	27	25 25 160	55	35 82 145 ESD	277
00 20 11 V01	310	00 21 41	339	08 25 145	13	13 66 180	27	25 26 160	55	35 82 145 ESD	277
00 20 12	310	00 21 41 LE	339	08 25 185	13	13 66 180	219	25 26 160	223	36 12 130	278
00 20 12 V01	311	00 21 41 LE	338	08 26 145	13	13 66 180 T	27	26 11 200	57	36 22 125	278
00 20 12 V02	311	00 21 42	337	08 26 145	218	13 66 180 T	219	26 12 200	57	36 32 125	278
00 20 12 V03	311	00 21 42 LE	336	08 26 145 T	13	13 71 200 ME	46	26 12 200 T	57	37 11 125	63
00 20 12 V04	311	00 21 42 LE	337	08 26 145 T	218	13 71 8	44	26 13 200	57	37 13 125	63
00 20 12 V05	311	00 21 50 E	326	08 26 185	12	13 72 200 ME	46	26 15 200	57	37 21 125	63
00 20 13	310	00 21 50 LE	324	08 26 185	13	13 72 8	44	26 15 200 T	57	37 23 125	63
00 20 15	259	00 21 50 LE	326	08 26 185	218	13 76 200 ME	46	26 16 200	57	37 31 125	63
00 20 15	361	00 21 50 LE	327	09 01 240	15	13 81 200	43	26 16 200	224	37 33 125	63
00 20 16	279	00 21 50 S	327	09 02 240	15	13 82 200	43	26 16 200 T	57	37 41 125	63
00 20 16	323	00 31 20 V01	312	09 02 240 T	15	13 82 200 T	43	26 16 200 T	224	37 43 125	63
00 20 16 LE	323	00 31 20 V02	312	09 05 240	15	13 86 200	43	26 17 200	57	38 11 200	64

38 15 200	64	46 29 A51	76	70 01 125	97	74 02 160	101	78 61 125	263	86 09 150	115
38 21 200	64	46 29 A61	76	70 01 140	97	74 02 180	101	78 61 125 ESD	263	86 09 150	118
38 25 200	64	46 31 A02	71	70 01 160	97	74 02 200	101	78 61 140	264	86 09 180	115
38 31 200	64	46 31 A12	71	70 01 180	97	74 02 200 T	101	78 61 140 ESD	264	86 09 180 V01	118
38 35 200	64	46 31 A22	71	70 02 125	97	74 02 250	101	78 71 125	263	86 09 250 V01	118
38 35 200 T	64	46 31 A32	71	70 02 140	97	74 02 250 T	101	78 71 125 ESD	263	86 09 300 V01	118
38 71 200	64	46 31 A42	71	70 02 160	97	74 05 140	101	78 81 125	263	87 00 100	121
38 91 200	64	48 11 J0	72	70 02 180	97	74 05 160	101	78 91 125	263	87 01 125	123
38 95 200	64	48 11 J1	72	70 05 125	97	74 05 180	101	79 02 120	266	87 01 150	123
40 04 180	65	48 11 J2	72	70 05 140	97	74 05 200	101	79 02 120 ESD	267	87 01 180	123
40 04 250	65	48 11 J3	72	70 05 160	97	74 05 250	101	79 02 125	266	87 01 250	123
40 14 250	65	48 11 J4	72	70 05 160 T	97	74 06 160	101	79 02 125 ESD	267	87 01 300	123
41 04 180	66	48 21 J01	72	70 05 180	97	74 06 160	227	79 02 125 S1	266	87 01 400	124
41 04 250	66	48 21 J11	72	70 05 180 T	97	74 06 180	101	79 12 125	266	87 01 560	124
41 04 300	66	48 21 J21	72	70 06 125	97	74 06 180	227	79 12 125 ESD	267	87 02 180	123
41 14 250	66	48 21 J31	72	70 06 125	226	74 06 200	101	79 22 120	266	87 02 180 T	123
41 24 225	66	48 21 J41	72	70 06 140	97	74 06 200	227	79 22 120 ESD	267	87 02 250	123
41 34 165	66	48 31 J0	73	70 06 140	226	74 06 200 T	101	79 22 125	266	87 02 250 T	123
41 44 200	66	48 31 J1	73	70 06 160	97	74 06 200 T	227	79 22 125 ESD	267	87 02 300	123
42 14 280	67	48 31 J2	73	70 06 160	226	74 06 250	101	79 32 125	266	87 02 300 T	123
42 24 280	67	48 31 J3	73	70 06 160 T	97	74 06 250	227	79 32 125 ESD	267	87 03 125	123
42 34 280	67	48 41 J01	73	70 06 160 T	226	74 06 250 T	101	79 42 125	266	87 03 180	123
42 44 280	67	48 41 J11	73	70 06 180	96	74 06 250 T	227	79 42 125 ESD	267	87 03 250	123
44 10 J5	76	48 41 J21	73	70 06 180	97	74 07 200	101	79 42 125 Z	266	87 03 300	123
44 10 J6	76	48 41 J31	73	70 06 180	226	74 07 200	227	79 42 125 Z ESD	267	87 05 250	123
44 11 J0	70	49 11 A0	74	70 06 180 T	97	74 07 250	101	79 52 125	266	87 05 300	123
44 11 J1	70	49 11 A1	74	70 06 180 T	226	74 07 250	227	79 52 125 ESD	267	87 09 01	115
44 11 J2	70	49 11 A2	74	70 07 160	97	74 12 160	101	79 62 125	266	87 09 01	120
44 11 J3	70	49 11 A3	74	70 07 160	226	74 12 180	101	79 62 125 ESD	267	87 09 01	123
44 11 J4	70	49 11 A4	74	70 07 180	96	74 21 200	101	81 01 250	133	87 09 01	125
44 13 J0	70	49 21 A01	74	70 07 180	97	74 21 250	101	81 03 250	133	87 09 01	127
44 13 J1	70	49 21 A11	74	70 07 180	226	74 22 200	101	81 11 250	133	87 09 01	133
44 13 J2	70	49 21 A21	74	70 11 110	97	74 22 200 T	101	81 13 250	133	87 09 01	155
44 13 J3	70	49 21 A31	74	70 15 110	96	74 22 250	101	81 19 250 V01	133	87 09 01	156
44 13 J4	70	49 21 A41	74	70 15 110	97	74 22 250 T	101	81 19 250 V02	133	87 09 01	158
44 19 J5	76	49 31 A0	75	70 26 160	97	74 91 250	103	82 01 200	119	87 09 01	228
44 19 J6	76	49 31 A1	75	70 26 160	226	75 02 125	265	82 02 200	119	87 09 125	115
44 20 J51	76	49 31 A2	75	71 01 160	104	75 12 125	265	83 10 010	131	87 09 125	123
44 20 J61	76	49 31 A3	75	71 01 200	105	75 22 125	265	83 10 015	131	87 09 150	123
44 21 J01	70	49 41 A01	75	71 01 250	107	75 52 125	265	83 10 020	131	87 09 180	123
44 21 J11	70	49 41 A11	75	71 02 200	105	76 01 125	98	83 10 030	131	87 09 180	155
44 21 J21	70	49 41 A21	75	71 02 200 T	105	76 03 125	98	83 10 040	131	87 09 180	156
44 21 J31	70	49 41 A31	75	71 12 200	105	76 05 125	98	83 20 010	131	87 09 180 V01	123
44 21 J41	70	50 00 160	86	71 21 200	106	76 12 125	98	83 20 015	131	87 09 250 V01	123
44 23 J11	70	50 00 180	86	71 22 200	106	76 22 125	98	83 20 020	131	87 09 300 V01	123
44 23 J21	70	50 00 210	86	71 22 200 T	106	76 81 125	98	83 30 005	132	87 09 400	116
44 23 J31	70	50 00 225	86	71 31 160	104	77 01 115	269	83 30 010	132	87 09 400	124
44 29 J51	76	50 00 250	86	71 31 200	107	77 02 115	269	83 30 015	132	87 09 560	124
44 29 J61	76	50 01 160	86	71 31 250	107	77 02 115 ESD	270	83 30 020	132	87 11 250	125
44 31 J02	70	50 01 180	86	71 32 200	107	77 02 120 H	271	83 30 030	132	87 19 250	125
44 31 J12	70	50 01 210	86	71 32 200 T	107	77 02 120 H ESD	271	83 60 010	132	87 21 250	126
44 31 J22	70	50 01 225	86	71 41 200	106	77 02 130	269	83 60 015	132	87 21 300	126
44 31 J32	70	50 01 250	86	71 42 200	106	77 02 130 ESD	270	83 60 020	132	87 22 250	126
44 31 J42	70	51 01 210	86	71 72 460	108	77 02 135 H	271	83 61 010	132	87 26 250	127
45 11 170	78	55 00 300	87	71 72 610	108	77 02 135 H ESD	271	83 61 015	132	87 26 250	229
45 21 200	78	61 01 200	110	71 72 760	108	77 11 115	269	83 61 020	132	87 26 250 T	127
46 10 100	77	61 02 200	110	71 72 910	108	77 12 115	269	84 11 200	154	87 26 250 T	229
46 10 A5	76	62 12 120	273	71 79 460	108	77 12 115 ESD	270	84 21 200	154	87 29 01	126
46 10 A6	76	64 01 115	273	71 79 610	108	77 21 115 N	269	85 01 250	120	87 29 01	127
46 11 A0	71	64 02 115	273	71 79 760	108	77 22 115	269	85 51 180 A	155	87 29 01	155
46 11 A1	71	64 02 115 ESD	273	71 79 910	108	77 22 115 ESD	270	85 51 180 A	155	87 29 01	229
46 11 A2	71	64 11 115	273	71 82 950	109	77 32 115	269	85 51 180 C	156	87 29 300	126
46 11 A3	71	64 12 115	273	71 89 950	109	77 32 115 ESD	270	85 51 180 C	156	87 41 250	120
46 11 A4	71	64 12 115 ESD	273	72 01 140	92	77 32 120 H	271	85 51 250 A	155	87 51 250	127
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46 11 G1	78	64 22 115 ESD	273	72 01 180	92	77 32 130	269	85 51 250 C	156	88 01 250	129
46 11 G2	78	64 32 120	273	72 02 125	92	77 32 130 ESD	270	85 59 250 A	155	88 01 300	129
46 11 G3	78	64 32 120 ESD	273	72 09 01	92	77 41 115	269	85 59 250 C	156	88 01 400	130
46 11 G4	78	64 42 115	273	72 11 160	92	77 42 115	269	86 01 180	115	88 02 180	129
46 13 A0	71	64 52 115	273	72 21 160	92	77 42 115 ESD	270	86 01 250	115	88 02 250	129
46 13 A1	71	64 62 120	273	72 51 160	93	77 42 130	269	86 01 300	115	88 02 250 T	129
46 13 A2	71	64 62 120 ESD	273	72 62 200	93	77 42 130 ESD	270	86 02 180	115	88 02 300	129
46 13 A3	71	64 72 120	273	73 02 160	99	77 52 115	269	86 02 250	115	88 02 300 T	129
46 19 100 01	77	67 01 140	111	73 05 160	99	77 52 115 ESD	270	86 03 125	115	88 03 180	129
46 19 100 02	77	67 01 160	111	73 05 160 T	99	77 72 115	269	86 03 150	115	88 03 250	129
46 19 A5	76	67 01 200	111	73 06 160	99	77 72 115 ESD	270	86 03 180	115	88 03 300	129
46 19 A6	76	67 05 140	111	73 06 160	227	77 82 130	269	86 03 250	115	88 05 180	129
46 20 A51	76	67 05 160	111	73 06 160 T	99	77 82 130 ESD	270	86 03 300	115	88 05 250	129
46 20 A61	76	67 05 200	111	73 06 160 T	227	78 03 125	263	86 03 400	116	88 05 300	129
46 21 A01	71	68 01 160	87	73 71 180	102	78 03 125 ESD	263	86 04 100	116	88 06 250	129
46 21 A11	71	68 01 160	111	73 72 180	102	78 03 140	264	86 05 150	115	88 06 250	230
46 21 A21	71	68 01 180	111	73 72 180 F	102	78 03 140 ESD	264	86 05 150 S02	118	88 07 250	129
46 21 A31	71	68 01 180	87	74 01 140	101	78 06 125	263	86 05 180	115	88 07 250	230
46 21 A41	71	68 01 200	87	74 01 160	101	78 13 125	263	86 05 180 T	115	88 07 300	129
46 23 A01	71	68 01 200	111	74 01 180	101	78 13 125 ESD	263	86 05 250	115	88 07 300	230
46 23 A11	71	68 01 280	111	74 01 200	101	78 23 125	263	86 05 250 T	115	90 10 165 BK	149
46 23 A21	71	68 01 280	87	74 01 250	101	78 31 125	263	86 06 250	115	90 10 165 BK	149
46 23 A31	71	70 01 110	97	74 02 140	101	78 41 125	263	86 06 250	228	90 10 165 E01	149



90 10 165 E02	149	92 21 07	283	95 11 200	168	97 43 200	191	97 52 38	187	97 99 011	208
90 10 185	136	92 21 08	283	95 12 160	166	97 43 200 A	191	97 52 50	187	97 99 020	208
90 20 185	136	92 21 10 ESD	285	95 12 165	167	97 43 66	191	97 52 63	201	97 99 021	208
90 22 01 SB	138	92 21 11 ESD	285	95 12 165 T	167	97 43 E	192	97 52 63 DG	201	97 99 022	208
90 22 02 SB	138	92 21 12 ESD	285	95 12 200	168	97 43 E 01	192	97 52 65	201	97 99 030	208
90 22 10 BK	139	92 21 13 ESD	285	95 12 500	171	97 43 E AUS	192	97 52 65 A	201	97 99 050	208
90 22 10 E01	139	92 21 14 ESD	285	95 16 160	166	97 43 E UK	192	97 52 65 DG	201	97 99 060	208
90 23 01 BK	140	92 22 04	283	95 16 160	232	97 43 E US	192	97 52 65 DG A	201	97 99 070	208
90 23 01 E01	140	92 22 06	283	95 16 165	167	97 49 04	194	97 52 67 1	201	97 99 071	208
90 23 01 E02	140	92 22 07	283	95 16 165	233	97 49 05	194	97 52 67 2	201	97 99 090	208
90 25 185	141	92 22 12	283	95 16 165 T	167	97 49 06	193	97 52 67 DT	201	97 99 091	208
90 25 20	141	92 22 13	283	95 16 165 T	233	97 49 06 PI	193	97 53 04	184	97 99 092	208
90 25 20 E01	141	92 22 35	283	95 16 200	168	97 49 07	193	97 53 08	185	97 99 110	208
90 25 25	142	92 23 01	289	95 16 200	234	97 49 08	193	97 53 09	185	97 99 111	208
90 25 25 E01	142	92 23 05	289	95 17 200	168	97 49 09	193	97 53 14	184	97 99 112	208
90 25 40	143	92 27 61	231	95 17 200	234	97 49 10	193	97 53 18	186	97 99 130	208
90 29 01	136	92 27 61	291	95 17 500	171	97 49 14	193	97 53 19	186	97 99 131	208
90 29 01	141	92 27 62	231	95 17 500	235	97 49 15	194	97 54 24	197	97 99 150	208
90 29 01	141	92 27 62	291	95 21 165	167	97 49 16	193	97 54 25	197	97 99 151	208
90 29 02	141	92 28 69 ESD	284	95 21 600	171	97 49 18	193	97 54 26	197	97 99 170	209
90 29 15	141	92 28 70 ESD	284	95 22 165	167	97 49 19	193	97 55 04	184	97 99 171	209
90 29 185	136	92 28 71 ESD	284	95 26 165	167	97 49 21	193	97 55 14	184	97 99 172	209
90 29 40	143	92 28 72 ESD	284	95 26 165	233	97 49 21	193	97 59 14	189	97 99 173	209
90 31 02 SB	145	92 31 01	280	95 27 600	171	97 49 23	193	97 59 30	184	97 99 174	209
90 31 03 BK	145	92 31 10 ESD	285	95 27 600	235	97 49 24	195	97 59 30	185	97 99 175	209
90 31 03 E01	145	92 32 29	283	95 29 600	171	97 49 25	195	97 59 31	184	97 99 176	209
90 39 02 V01	145	92 34 36	283	95 29 600	235	97 49 25 1	195	97 59 31	185	97 99 177	209
90 39 02 V02	145	92 34 37	283	95 31 250	172	97 49 26	195	97 59 65 2	201	97 99 178	209
90 39 02 V03	145	92 37 64	231	95 31 280	172	97 49 26 1	195	97 59 67 1	201	97 99 179	209
90 42 250	153	92 37 64	291	95 32 038	176	97 49 27	195	97 59 67 2	201	97 99 180	209
90 42 340	153	92 38 75 ESD	284	95 32 060	176	97 49 27 1	195	97 61 145 A	182	97 99 210	209
90 49 340	153	92 47 01	231	95 32 100	176	97 49 28	195	97 62 145 A	182	97 99 211	209
90 49 340 M	153	92 47 01	291	95 32 315 A	174	97 49 28 1	195	97 68 145 A	182	97 99 212	209
90 55 280	153	92 51 01	280	95 32 320	173	97 49 30	193	97 68 145 A	238	97 99 213	209
90 59 280	153	92 51 02	280	95 32 340 SR	175	97 49 40	195	97 71 180	183	97 99 214	209
90 61 16	154	92 52 23	283	95 36 250	172	97 49 50	195	97 72 180	183	97 99 215	209
90 61 20	154	92 58 74 ESD	284	95 36 250	236	97 49 54	195	97 78 180	183	97 99 216	209
90 70 220	157	92 61 01	283	95 36 280	172	97 49 59	196	97 78 180	238	97 99 217	209
90 79 220 20	157	92 61 02	283	95 36 280	236	97 49 59 1	196	97 78 180 T	183	97 99 218	209
90 79 220 25	157	92 64 43	283	95 36 315 A	174	97 49 60	194	97 78 180 T	238	97 99 219	209
90 79 220 30	157	92 67 63	231	95 36 315 A	237	97 49 61	194	97 81 180	183	97 99 220	209
90 79 220 35	157	92 67 63	291	95 36 320	173	97 49 64	194	97 90 00 LE	206	97 99 250	209
90 79 220 40	157	92 69 84	291	95 36 320	237	97 49 66	196	97 90 00 LE	207	97 99 251	209
90 79 220 50	157	92 72 45	283	95 39 038	176	97 49 66 1	196	97 90 00 LE	367	97 99 252	209
91 00 200	157	92 78 77 ESD	284	95 39 04	172	97 49 66 2	197	97 90 00 LE	368	97 99 270	209
91 13 250	158	92 81 01	281	95 39 04	236	97 49 66 4	196	97 90 00 LE	369	97 99 271	209
91 19 250 01	158	92 81 02	281	95 39 08	172	97 49 66 6	196	97 90 05	206	97 99 272	209
91 92 180	158	92 81 03	281	95 39 08 S	172	97 49 68	196	97 90 05	368	97 99 290	209
92 00 01 ESD	293	92 81 04	281	95 39 08 S	236	97 49 68 1	196	97 90 06	206	97 99 291	209
92 00 01 ESD	322	92 81 05	281	95 39 250	172	97 49 69 1	196	97 90 06	368	97 99 292	209
92 00 02	293	92 84 18	283	95 39 250	236	97 49 69 11	196	97 90 09	206	97 99 293	209
92 00 02	322	92 89 01	281	95 39 280	172	97 49 69 2	196	97 90 09	368	97 99 330	210
92 00 03	293	92 89 02	281	95 39 280	236	97 49 70	196	97 90 10	206	97 99 331	210
92 00 03	322	92 89 03	281	95 39 315 A01	174	97 49 71	196	97 90 10	368	97 99 332	210
92 00 04	293	92 89 04	281	95 39 315 A01	237	97 49 71 1	196	97 90 13	206	97 99 333	210
92 00 04	322	92 89 05	281	95 39 315 A02	174	97 49 74	196	97 90 13	368	97 99 334	210
92 00 05 ESD	293	92 91 01	289	95 39 315 A02	237	97 49 90	194	97 90 14	206	97 99 335	210
92 00 05 ESD	322	92 91 02	289	95 39 320 01	173	97 49 91	194	97 90 14	368	97 99 336	210
92 01 01	287	92 91 03	289	95 39 320 01	237	97 49 93	195	97 90 15	206	97 99 337	210
92 01 02	287	92 94 91	290	95 39 320 02	173	97 49 94	187	97 90 15	368	97 99 338	210
92 01 03	287	92 95 89	290	95 39 320 02	237	97 49 94	188	97 90 16	206	97 99 339	210
92 01 04	287	92 95 90	290	95 39 340 01	175	97 49 94	194	97 90 16	368	97 99 350	210
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92 02 54	287	94 19 185	137	95 61 150	179	97 50 01	205	97 90 21	369	97 99 354	210
92 08 78 ESD	287	94 19 185 02	137	95 61 190	178	97 51 10	203	97 90 22	207	97 99 355	210
92 08 79 ESD	288	94 19 215	150	95 62 160	177	97 51 12	203	97 90 22	369	97 99 356	210
92 09 01 ESD	290	94 19 215	151	95 62 160 TC	177	97 51 13	203	97 90 23	206	97 99 357	210
92 09 02 ESD	290	94 35 215	151	95 62 190	178	97 51 E01	203	97 90 23	368	97 99 358	210
92 09 03 ESD	290	94 39 215 01	151	95 62 190 T	178	97 52 04	188	97 90 25	207	97 99 359	210
92 09 04 ESD	290	94 39 215 02	151	97 21 215	202	97 52 05	188	97 90 25	369	97 99 370	210
92 09 05 ESD	290	94 55 200	150	97 21 215 B	202	97 52 06	188	97 90 26	207	97 99 371	210
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92 21 04	280	95 06 230	231	97 40 20 SB	204	97 52 35	187	97 91 04 V02	366	97 99 395	210
92 21 05	280	95 11 160	166	97 43 05	191	97 52 36	187	97 99 001	208	97 99 396	210
92 21 06	280	95 11 165	167	97 43 06	191	97 52 37	187	97 99 010	208	97 99 397	210

97 99 398	210	98 20 35 SL	244	98 49 06	250
97 99 399	210	98 20 40	244	98 49 08	250
97 99 500	205	98 20 40 SL	244	98 52	38
97 99 905	211	98 20 55	244	98 52	251
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98 00 07	240	98 24 01	244	98 55	38
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98 00 09	240	98 24 01 SLS	245	98 56	252
98 00 1/2"	240	98 24 02	244	98 56 09	252
98 00 1/4"	240	98 24 02 SL	245	98 62 01	252
98 00 10	240	98 24 02 SLS	245	98 62 02	252
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98 00 27	240	98 26 10	246	98 65 50	253
98 00 3/4"	240	98 26 15	246	98 65 51	253
98 00 3/8"	240	98 26 20	246	98 66 01	253
98 00 5/16"	240	98 26 25	246	98 66 02	253
98 00 5/8"	240	98 26 30	246	98 66 03	253
98 00 7/16"	240	98 29 25	247	98 66 10	253
98 00 9/16"	240	98 29 27	247	98 66 20	253
98 01 07	241	98 29 30	247	98 66 30	253
98 01 08	241	98 29 40	247	98 66 40	253
98 01 09	241	98 29 45	247	98 66 45	253
98 01 10	241	98 29 50	247	98 66 50	253
98 01 11	241	98 30	247	98 66 60	253
98 01 12	241	98 31	248	98 67 05	254
98 01 13	241	98 33 25	250	98 67 10	254
98 01 14	241	98 33 50	250	98 67 15	254
98 01 15	241	98 35 125	248	98 67 20	254
98 01 16	241	98 35 250	248	98 67 25	254
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98 01 18	241	98 37 10	249	98 90 01	254
98 01 19	241	98 37 11	249	98 99 11	256
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98 01 24	241	98 37 13	249	98 99 11 LE	256
98 03 04	242	98 37 14	249	98 99 11 LE	362
98 03 05	242	98 37 16	249	98 99 12	257
98 03 055	242	98 37 17	249	98 99 12	363
98 03 06	242	98 37 19	249	98 99 12 LE	257
98 03 07	242	98 37 3/4"	249	98 99 12 LE	363
98 03 08	242	98 37 3/8"	249	98 99 13	258
98 03 09	242	98 37 5/16"	249	98 99 13	316
98 03 10	242	98 37 5/8"	249	98 99 13 LE	316
98 03 11	242	98 37 7/16"	249	98 99 13 LE	258
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98 04 10	242	98 39 08	250	98 99 15 LE	341
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98 04 17	242	98 41	248	99 00 220	88
98 04 19	242	98 42	250	99 00 220 K12	88
98 04 22	242	98 43 50	250	99 00 250	88
98 05 13	242	98 45 125	248	99 00 280	88
98 05 17	242	98 45 250	248	99 00 300	88
98 05 19	242	98 47 1"	249	99 01 200	88
98 07 250	241	98 47 1/2"	249	99 01 220	88
98 12 01	243	98 47 10	249	99 01 250	88
98 12 02	243	98 47 11	249	99 01 280	88
98 13 20	243	98 47 11/16"	249	99 01 300	88
98 13 25	243	98 47 12	249	99 04 220	88
98 13 30	243	98 47 13	249	99 04 250	88
98 13 40	243	98 47 14	249	99 04 280	88
98 13 50	243	98 47 16	249	99 10 250	89
98 13 60	243	98 47 17	249	99 10 300	89
98 14 05	243	98 47 18	249	99 11 250	89
98 14 06	243	98 47 19	249	99 11 300	89
98 14 08	243	98 47 22	249	99 14 250	89
98 15 05	243	98 47 24	249	99 14 300	89
98 15 06	243	98 47 27	249		
98 15 08	243	98 47 3/4"	249		
98 20 10	244	98 47 5/8"	249		
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1	Point
2	Gripping surface
3	Recess (pipe grip)
4	Additional cutting edge
5	Jaw
6	Flank

## Direction and position of the cutting edges

Cutting edge transverse to the longitudinal direction		
Oblique cutting edge position		
Cutting edge in longitudinal direction – diagonal cutter		
Cutting edge in longitudinal direction – centre cutter		

## Cutting edge shapes DIN ISO 5742

With bevel (outside bevel)		
With small bevel (outside bevel)		
With very small bevel (outside bevel)		
Flush cut		
Flush cut		

## Joint types

### Lap joint

With the lap joint, which is used on carpenters' pincers, concretors' nippers and high leverage diagonal cutters, the two halves of the pliers lie on top of each other without being milled out. The pliers handle can thus be designed to be very robust.



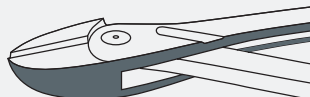
### Single joint

With the single joint, half the thickness of each pliers handle is milled. Both pliers handles can thus be fitted into one another. The outer sides in the rivet area are smooth and not indented.



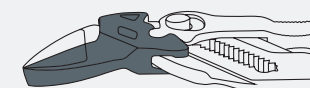
### Box joint

One handle on the pliers is slit. The other handle is pushed through this slot. This joint connection can withstand a high level of load and strain because the joint bolt is supported on both sides and the inside handle is guided on both sides.



### Slip joint

Slip joints enable optimal adaptation of the gripping jaws of pliers to various workpiece sizes. The opening width of the jaws is increased or decreased for this purpose. This occurs through shifting the two pliers handles with respect to one another.



## Safety instruction

- > Each tool should only be used for its specified purpose.
- > When using cutting pliers: beware of wire ends flying off. Wear protective goggles and – if needed – gloves. Be aware of bystanders!
- > Only handles marked with the symbol 1000 V are insulating.



## Care instructions

A drop of oil (e.g. Ballistol®) on the polished surfaces and in the joint keeps your pliers in good working order and extends their service life!



## Basic jaw shapes

Flat nose pliers



Snipe nose pliers



Round nose pliers



## Examples of different handle types on a pair of pliers



**Straight handles, fully-metal design without plastic grips**  
are used when the hand must be placed at various positions when gripping. This is often the case with carpenters' pliers and concretors' nippers.



**S-shaped handles, thin plastic coatings**  
render pliers slip resistant and pleasant to grip. They support a precise hand position, which can be useful in screwing motions, for example. The typical handle for water pump pliers.



**Curved handles, thin plastic coatings**  
support the hand at the front and rear. This is always beneficial where high forces are required, for example with diagonal cutters.



**Multi-component grips**  
Compared to handles with a thin plastic coating, comfort handles offer the hand a larger contact surface, enabling better distribution of force and thus making work more comfortable. The red, hard component ensures a firm grip on the thumb body, the softer blue component ensures ergonomic contact with fingers and the heel of the hand.



**Comfort Handles**  
The third, grey component in the thumb rest allows more control due to its special surface texture. The ends of the handles each have a KNIPEXtend interface for extending the functionality, for example with TetheredTool Clips for attaching fall protection devices.



**VDE\*-insulated handles, multi-component grips**  
Insulated grips for working on electrical systems. Approved to DIN EN/IEC 60900, these pliers comply with significantly more stringent technical and safety standards.



**VDE\*-insulated handles with dip-insulation**  
The dipped VDE-handles guarantee the same electrical protection as other VDE insulated handles. In particular, energy companies use these different looking VDE-pliers to help prevent the wrong tool from being used.











**ESD\*\*-grips, multi-component grips**  
Dissipative sleeves enable a gradual, controlled equalisation of any prevailing differences in electric potential between the operator and sensitive electronic components.

\* Association for Electrical, Electronic and Information Technologies









\*\* electrostatic discharge

## Cutting value table

Article No.	Length mm	 Ø mm	 Ø mm	 Ø mm	 Ø mm	Page
01 0	160			2.0	1.5	14
	190			2.5	2.0	14
	180			2.5	2.0	11
02 0	200			2.8	2.2	11
	225			3.0	2.5	11
	140		2.8	1.8		10
03 0	160		3.1	2.0		10
	180		3.4	2.2		10
	200		3.8	2.5		10
08 0	250		3.8	2.5		10
	110		2.5	1.6		14
	145		3.0	2.0		12
08 2	185		3.8	3.0		12
	240		4.6	3.0		15
	160		2.5	1.6		40
13 0	165		3.2	2.2		41
14 2	160	2.5	1.5			48
19 0	130		2.2	1.6		52
25 01/03	125		2.2	1.6		55
25 0/21/25/26	140		2.5	1.6		55
26 1/26 2	160		2.5	1.6		55
	200		3.2	2.2		56
	160		1.8			86
50 0	180		2.0			86
	210		2.2			86
	225		2.2			86
51 01	250		2.2			86
	210		2.2			86
	300	2.0–3.0				87
61 0	200	1.0–6.0	4.0	3.5	3.0	110
62 12	120	0.3–1.0	0.7			273
64 0	115	2.0	1.0	0.6		272
64 11/12	115	1.4	0.8			272
64 22	115	0.8				272
64 32	120	1.5	1.0	0.5		272
64 42	115	1.5	1.0	0.5		272
64 52	115	1.3				272
64 62	120	0.6				272
64 72	120	1.5				272
67 0	140	4.0	3.1	2.0	1.5	111
	160	4.5	3.4	2.5	2.0	111
	200	5.0	3.8	3.0	2.5	111
68 01	160	4.0	2.8	2.3		111
	180	4.0	3.2	2.5		111
	200	4.0	3.5	2.8		111
70	280	4.5	4.0	3.2		111
	110	3.0	2.0	1.2		96
	125	3.0	2.3	1.5		96
71	140	4.0	2.5	1.8		96
	160	4.0	3.0	2.0		96
	180	4.0	3.0	2.5		96
71 31	160	5.3	4.4	3.2	3.0	104
	200	6.0	5.2	4.0	3.6	105, 106
	250		5.6	4.0	3.8	107
71 31	160	5.3	4.8	3.6	3.3	104
	250		6.0	4.3	4.2	107

Article No.	Length mm	 Ø mm	 Ø mm	 Ø mm	 Ø mm	Page
72 62	200	6.0				93
73 0	160	4.8	3.8	2.7	2.2	99
73 7	180	5.5	4.6	3.2	3.0	102
74 0	140		3.1	2.0	1.5	100
	160		3.4	2.5	2.0	100
	180		3.8	2.7	2.2	100
	200		4.2	3.0	2.5	100
	250		4.6	3.5	3.0	100
74 91	250	5.0	5.0	3.8	3.5	103
75 02/12	125	0.2–1.3	1.0	0.6	0.4	265
75 22	125	0.2–1.3	0.9	0.4	0.3	265
75 52	125	0.2–0.8	0.5	0.3		265
76 01/03/05/12	125	0.4–3.0	2.3	1.5	0.6	98
76 22	125	0.4–2.5				98
76 81	125	0.4–1.7	1.3	0.8		98
77 01	115	0.3–1.6	1.2	0.6		269
77 02	115	0.3–1.6	1.2	0.6		269, 270
	120	2.0	1.4	1.0	0.6	271
	130	0.3–2.0	1.5	0.8		269, 270
77 11/12	135	2.2	1.6	1.2	0.8	271
	115	0.3–1.6	1.2	0.6		269, 270
	115	0.3–1.3	1.0			269
77 21	115	0.3–1.3	1.0			269
77 22	115	0.3–1.3	1.0			269
77 32	115	0.3–1.3	1.0	0.5		269, 270
	120	1.6	1.0	0.6	0.2	271
	130	0.3–2.0	1.3	0.6		269, 270
77 41	115	1.3	0.8			269
77 42	115	0.3–1.3	0.8			269, 270
	130	0.3–1.6	1.3			269, 270
	115	0.3–1.0	0.8	0.5		269, 270
77 52	115	0.3–0.8				269, 270
77 72	115	0.3–0.8				269, 270
77 82	130	0.3–1.6	1.3			269, 270
78 03/06/13	125	0.2–1.6	1.0			262
78 03	140	0.2–2.1	1.2			264
78 23	125	0.2–1.0	0.6			262
78 31/41	125	0.2–1.0				262
78 61/71	125	0.2–1.6	1.2			262
78 61	140	0.2–2.1	1.4			264
78 81/91	125	0.2–1.6	1.2	0.6		262
79 02	120	0.2–1.4	1.0	0.6		266, 267
79 02	125	0.2–1.7	1.3	0.7		266, 267
79 12	125	0.3–1.7	1.3	1.0	0.6	266, 267
79 22	120	0.1–1.3	0.8			266, 267
79 22	125	0.1–1.7	1.0			266, 267
79 32	125	0.2–1.5	1.1	0.6		266, 267
79 42	125	0.1–1.5	0.8			266, 267
79 52	125	0.2–1.3	0.9	0.5		266, 267
79 62	125	0.1–1.3	0.8			266, 267
95 6	190			4.0	2.5	178
99 0	200		1.8	1.4		88
	220		2.4	1.6		88
	250		2.4	1.6		88
99 1	280		2.8	1.8		88
	300		3.1	1.8		88
	250		3.3	1.8		89
	300		3.8	2.0		89

## Wire classes

	Material examples	Type of wire	Tensile strength		
			N/mm <sup>2</sup>	kp/mm <sup>2</sup>	
	Copper, plastics	soft	220	22	
	Nail, wire pin	medium-hard	750	75	
	Wire rope strand, steel wire	hard	1800	180	
	Spring steel wire	piano wire	2300	230	

### Note

The maximum values always indicate the performance limit under the most favourable cutting conditions, when the wire is placed as near as possible to the joint.

Structure of article number



Example of the item number on the pliers handle

Basic model e. g. KNIPEX Cobra® Hightech Water Pump Pliers	Style e. g. straight	Finish e. g. head polished, handles with multicomponent grips	Length e. g. 250 mm	Accessory e. g. Tethered- Tools- range
87	0	2	250	T
























Safe working: very stable tether attachment, firmly welded to the handle grip for attaching a safety cord or adaptor sling























Head / handles





















0	Pliers black atramentized, head polished	
1	Head polished, handles plastic coated	
2	Head polished, handles with multi-component grips	
3	Pliers chrome plated, handles plastic coated	
4	Pliers chrome plated	
5	Pliers chrome plated, handles with multicomponent grips	
6	Pliers chrome plated, handles insulated with multi-component grips, VDE-tested	
7	Pliers chrome plated, handles with dipped insulation, VDE-tested	



## Pictograms

	Packing unit
<b>SB / BK</b>	Carded pliers with euro holes
<b>ESD</b> 	Electrostatic discharging, dissipative
<b>1000 V</b> 	Insulated according to IEC 60900, usable up to 1000 V AC/1500 V DC
	VDE tested, also in compliance with GPSG (Equipment and Product Safety Act)
	Cu- + Al-multi-conductor cable, solid and multi-stranded
	Wire rope
	Ribbon cable
	Steel wire armoured cable (SWA)
	ACSR cable
	Soft wire
	Medium hard wire
	Hard wire
	Piano wire
	Square crimp automatic
	Hexagonal crimp automatic
	Four mandrel crimp
	Mandrel crimp
	Trapezoid crimp
	Oval crimp
	F-crimp
	Trapezoid indent crimp

	W-crimp
	Hexagonal crimp
	Square crimp
	Tyco crimp
	Western crimp
	Trapezoidal crimp front
	Hexagon
	Hexagonal screw
	Slotted screw
	Cross recessed screw
	PlusMinus cross recessed screw
	Pozidriv cross recessed screw
	Torx
	Capacity double-bit key
	Internal square 3/8"
	Internal square 1/2"
	Hexagonal socket
	12-point
	Driving Square
	Bit holder 1/4" (hexagon socket)
	With opening spring
	With lead catcher

	Internal circlip
	Exterel circlip
	Retaining ring, straight
	Retaining ring, diagonal
	Grip ring
	Flat jaws
	Flat and pointed jaws
	Half-round jaws
	Round jaws
	Angle
	Smooth gripping surfaces
	Smooth-serrated gripping surfaces
	Knurled gripping surfaces
	Cross-hatched, knurled gripping surfaces
	Centre cutter
	Cutting edges with bevel
	Cutting edges with small bevel
	Cutting edges with very small bevel
	Cutting edges without bevel
	For flush cut of soft materials

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