

KNIPEX Quality – Made in Germany



KNIPEX Agriculture Range 2017

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www.knipex.com



**AGRI
TECHNICA** [®]
THE WORLD'S NO. 1

2017

NIRGENDWO LIEGEN INNOVATIONEN NÄHER.
HANNOVER, 12.-18. NOVEMBER | EXKLUSIVTAGE 12.+13. NOVEMBER

Besuchen Sie uns
in Halle 2 Stand A24



Pliers for agriculture

In the field, the workshop, and the barn or anywhere on the farm – the working life of a farmer is very demanding. KNIPEX pliers support the worker in their day to day tasks with robust and strong working equipment that provide greater gripping force without slipping and cutting precision.

Ideal for fencing: The compact KNIPEX CoBolt® bolt cutter saves 60 % of effort on every cut compared to conventional high leverage diagonal cutters and easily cuts spring steel wire. With its profiled gripping surface, wires can be held and pulled securely.

Necessary on every tractor: The KNIPEX Multiple Slip Joint Spanner reliably loosens damaged or rusty nuts without damage. It grips a full range of metric and imperial nut sizes from 10 mm to 32 mm (3/8" to 1 1/4"). The self-locking jaw system with easy one-handed adjustment securely holds the nut without rounding its edges.

Essential for every farm: The KNIPEX Cobra XL® is lighter with a greater gripping capacity than other pipe wrenches. With a length of only 400 mm the Cobra® grips pipes up to 90 mm and nuts up to 95 mm. These robust pliers are easily adjusted at the touch of a button. The teeth (61 HRC) provide a stable grip and high wear resistance.

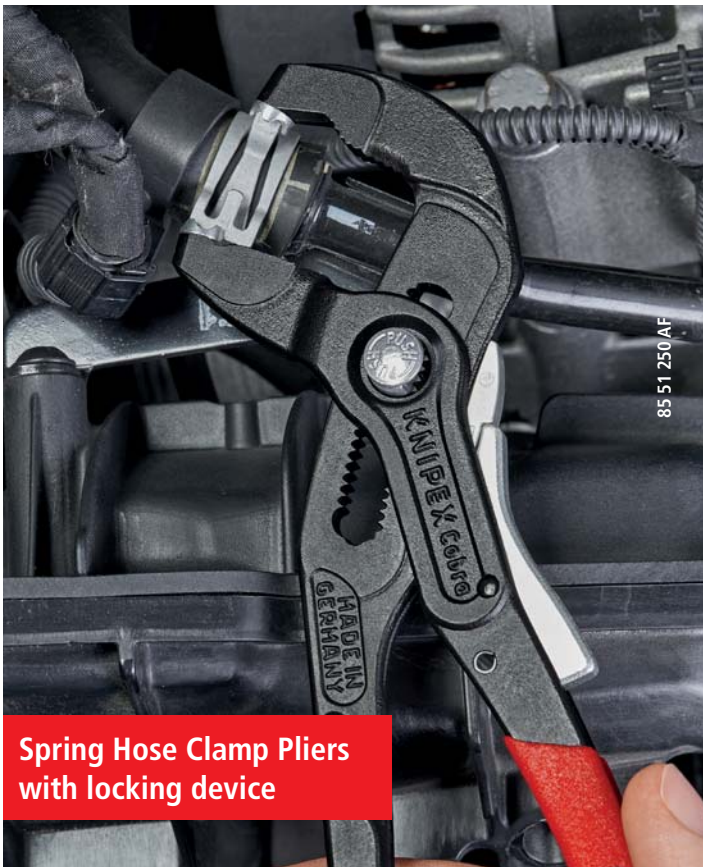
Classic tools for the workshop: KNIPEX High Leverage Combination Pliers cut flat and round material easier and grip with more force than conventional combination pliers. The optimised transmission ratio leads to 35 % less effort required. The cutting edges are specially hardened and, due to their length, also suitable for thicker cable and wire.

Regardless of your needs Sturdy, precise, firm gripping or powerful cutting. For all applications on the farm, inside and outside, traditional or modern – KNIPEX has the ideal plier solution.

Regardless of your needs – cutting, gripping, precision or strength – and for all applications on the farm – KNIPEX has the ideal plier solution.

SYMBOLS

	flat jaws		with lead catcher		electrostatic discharging, dissipative		weight
	half-round jaws		angle		electronics		length
	round jaws		centre cutter		VDE tested, also in compliance with GPSG		soft wire
	flat and pointed jaws		cutting edges with bevel		insulated according to IEC 60900. usable up to 1000 V AC/1500 V DC		medium hard wire
	box joint		cutting edges with small bevel		insulated according to DIN VDE 0680/1. usable up to 1000 V AC / 1500 V DC		hard wire
	bolted joint		cutting edges with very small bevel		conforms to a European directive		piano wire
	smooth gripping surfaces		cutting edges without bevel		mechanically tested in accordance with the equipment and product safety act		Cu- + Al-multi-conductor cable, solid and multi-stranded
	knurled gripping surfaces		for flush cut of soft materials		WEEE marking (Waste Electrical and Electronic Equipment Directive)		wire rope
	cross-hatched, knurled gripping surfaces		New Article		iron		iron
	with opening spring				ribbon cable		ribbon cable
					steel wire armoured cable (SWA)		steel wire armoured cable (SWA)



85 51 250 AF

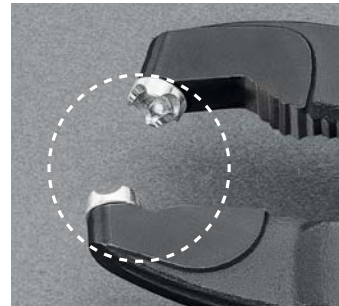
Spring Hose Clamp Pliers with locking device



Spring Hose Clamp Pliers 85 51

NEW

- > 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



85 51 250 AF



85 51 180 A

Now also available in 180 mm length

Article No.	EAN 4003773-	Adjustment positions	Capacity	mm
85 51 180 A N	081159	15	max. 50 mm	180
85 51 250 A	077329	25	max. 70 mm	250
85 51 250 AF	078623	19	max. 70 mm	250
85 59 250 A	077336	Spare parts assortment grip inserts		

Hose Clamp Pliers 85 51
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



85 51 180 C



NEW

Now also available in 180 mm length



Article No.	EAN 4003773-	Adjustment positions	mm
85 51 180 C N	081166	12	180
85 51 250 C	078517	25	250
85 59 250 C	078999	Spare parts assortment grip inserts	



KNIPEX Cobra® Hightech Water Pump Pliers

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- > 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
- > Guard prevents operators' fingers being pinched
- > Chrome vanadium electric steel, forged, multi stage oil-hardened



Cobra® XXL (87 01 560): Reliable and tight gripping of track rods...also without hexagon!



87 26 250

⚡ 1000V

Article No.	EAN 4003773-	Adjustment positions	∅ Inch	∅ mm	↔ mm
87 01 125	069935	13	1	27	125
87 01 150	060116	11	1 1/4	30	150
87 01 180	022015	18	1 1/2	36	180
87 01 250	022022	25	2	46	250
87 01 300	034087	30	2 3/4	60	300
87 01 400	005636	27	3 1/2	95	400
87 01 560	044321	20	4 1/2	120	560
87 26 250	071495	24	2	46	250

KNIPEX Cobra® QuickSet Hightech Water Pump Pliers

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Fully open, push, grab!

Additional fast adjustment on the workpiece by sliding the pliers handle

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

87 22 250

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

Article No.	EAN 4003773-	Adjustment positions	∅ Inch	∅ mm	∅ mm	↔ mm
87 21 250	072775	25	2	50	46	250
87 21 300	078524	25	2 3/4	70	60	300
87 22 250	077794	25	2	50	46	250



Press the button – open pliers completely

Position jaw – simply slide and close pliers

Hinge bolt locks itself with the first workload

QuickSet



Cobra® Set

Hightech
Water Pump Pliers

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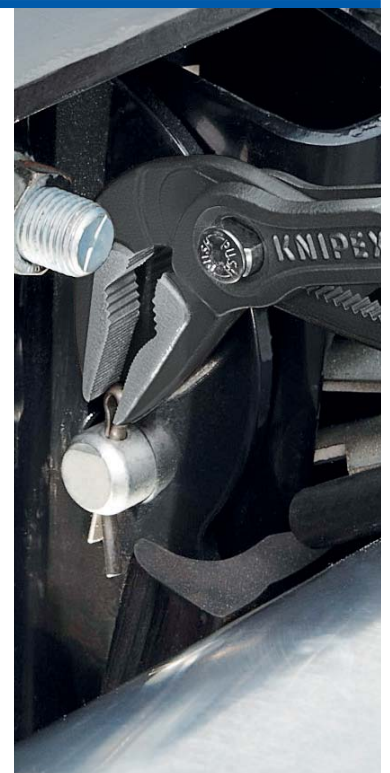
KNIPEX Cobra® ES

Water Pump Pliers extra-slim

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> Pliers grey atramentized, handles with non-slip plastic coating

- > 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



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

Article No.	EAN 4003773-	Adjustment positions	⊘ Inch	⊘ mm	↔ mm
87 51 250	061267	19	1 1/4	34	250

Siphon- and Connector Pliers

81

For siphons, oil filters, plastic pipes and connectors up to 80 mm diameter

Fine adjustment for ideal adaptation to diverse diameters

Robust, heavy duty

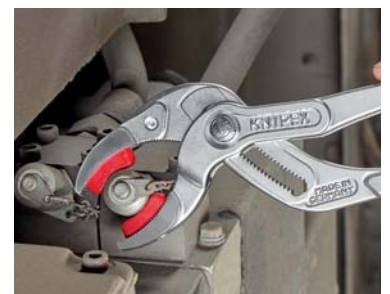
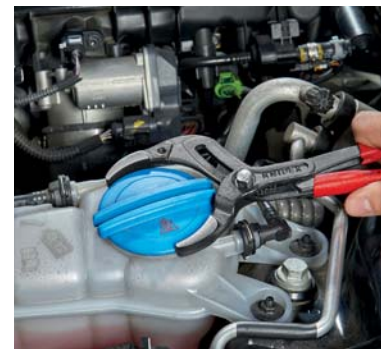
- > Ideal for tightening and loosening siphon screw connections, plastic pipe fittings and round union nuts
- > For connectors and couplings with screw connection, such as Cannon circular connectors
- > For gentle loosening of hoses on nozzles and filter cartridges
- > 25 adjustment positions, box-joint design
- > Ergonomic handle geometry
- > Chrome vanadium electric steel, forged, oil-hardened

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



Article No.	EAN 4003773-	Pliers	Working Capacity Ø mm	Adjustment positions	↔ mm
81 01 250	078463	black atramentized, head polished	25 – 80	25	250
81 03 250	078487	chrome plated	25 – 80	25	250
81 11 250	078470	black atramentized, head polished	10 – 75	25	250
81 13 250	078494	chrome plated	10 – 75	25	250
81 19 250	078500	2 pairs of plastic jaws for 81 11 250 / 81 13 250			

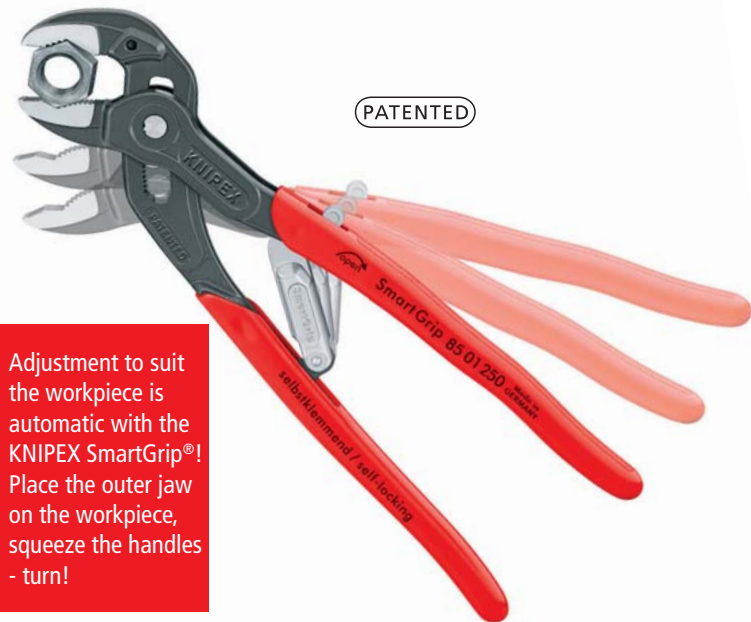
KNIPEX SmartGrip®

Water Pump Pliers with automatic adjustment

85

- > 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 thanks 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
- > 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

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



Multiple Slip Joint Spanner

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- > 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



PATENTED



Article No.	EAN	Adjustment positions	Ø Inch	mm	mm
87 41 250	054566	15	3/8 - 1 1/4	10 - 32	250

KNIPEX TwinKey®

or all standard cabinets and shut-off systems

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10 profiles. 2 crosses. 1 key.
All common locking systems.

- > Multifunctional key for the actuation of locking systems from the areas of facilities engineering (heating and sanitation, air conditioning, electro technology), gas and water supply and shut-off-systems
- > 8-arm version: two 4-way spider keys connected in a space-saving way using magnets
- > Reversible bit: 1.0 x 7 mm slot and PH2 cross slot
- > Key and reversible bit joined by stable stainless steel wire
- > Quality surface coating
- > Weight-optimised zinc die-cast design



Article No.	EAN	mm	mm	Ø mm	mm	mm	mm
00 11 01	074670	5 / 6 - 7 / 8 - 9 / 10 - 11	7 - 8 / 9 - 10 / 11 - 12	3 - 5	6	6 - 9	92

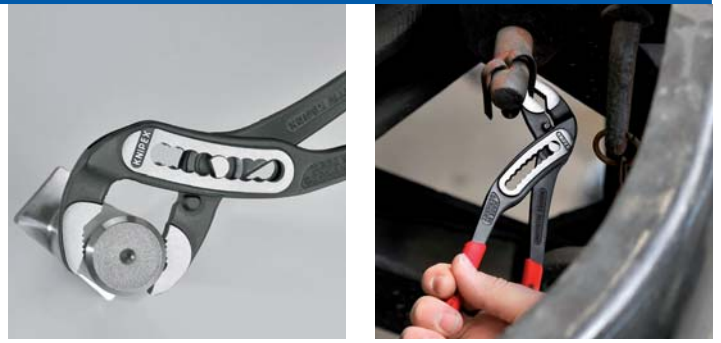


KNIPEX Alligator®

Water Pump Pliers

88

- > 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



88 01 250

Article No.	EAN 4003773-	Adjustment positions	∅ Inch	∅ mm	mm	↔ mm
88 01 180	035480	9	1 1/2	42	36	180
88 01 250	022992	9	2	50	46	250
88 01 300	034094	9	2 3/4	70	60	300

More output and comfort compared to conventional water pump pliers of the same length: 9-notch adjustment positioning for 30 % more gripping capacity. Good access to the workpiece due to slim size of head and joint area.

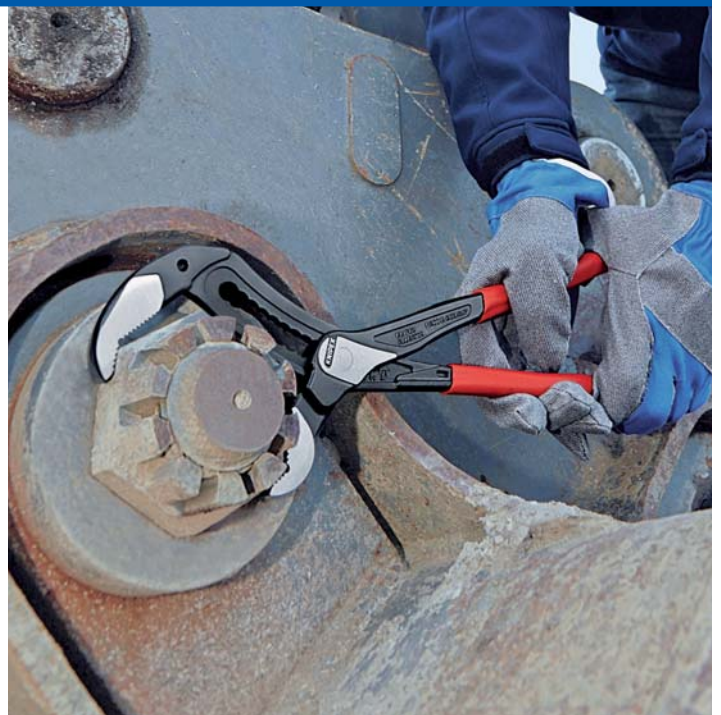
KNIPEX Alligator® XL

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The classic model, 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
- > 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



Article No.	EAN 4003773-	Adjustment positions	∅ Inch	∅ mm	mm	↔ mm
88 01 400	075844	11	3 1/2	90	95	400

Alligator® Set

Water Pump Pliersw

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- > Pliers with polished heads; handles with non-slip plastic coating



Article No.	EAN 4003773-	Content
00 20 09 V03	074809	88 01 180 88 01 250 88 01 300

Bestseller-Set

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- > Pliers with polished heads; handles with non-slip plastic coating and with two-colour multi-component grips



Article No.	EAN 4003773-	Content
00 20 09 V01	073994	03 02 180 Combination Pliers 70 02 160 Diagonal Cutter 87 01 250 Cobra®, Hightech Water Pump Pliers

Pliers and a wrench in a single tool

Replaces the need for sets of metric and imperial spanners

- > Adjustable tightening tool
- > Also excellent for gripping, holding, pressing and bending workpieces
- > Zero backlash jaw pressure prevents damage to edges of sensitive components
- > Push the button for adjustment on the workpiece
- > 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 type principle allows quick and easy tightening and release of all bolted connections
- > Lever transmission greater than 10 : 1 for strong gripping power
- > Chrome vanadium electric steel, forged, oil-hardened



86 03 180



Pliers Wrench, angled shape (86 43 250):
Due to the 15° angled handles, the universal in use pliers wrench creates the necessary space for fingers and knuckles

86 43 250 $\sphericalangle 15^\circ$ **NEW**



86 05 180



Article No.	EAN 4003773-	Adjustment positions	Inch	mm	mm
86 03 125	077497	11	7/8	23	125
86 03 150	069676	14	1	27	150
86 03 180	035466	13	1 3/8	35	180
86 03 250	033837	17	1 3/4	46	250
86 03 300	041429	22	2 3/8	60	300
86 05 150	069928	14	1	27	150
86 05 180	047162	13	1 3/8	35	180
86 05 250	047841	17	1 3/4	46	250
86 43 250 N	081296	17	1 3/4	46	250

86 03 125



Pliers Wrench XL

Pliers and a wrench in a single tool

- > Adjustable tightening tool; Also excellent for gripping, holding, pressing and bending workpieces – Replaces diverse expensive, large open-end wrenches up to AF 85 mm or 3 3/8"
- > 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
- > Push the button for adjustment on the workpiece



Article No.	EAN 4003773-	Adjustment positions	Inch	mm	mm
86 03 400	077312	25	3 3/8	85	400



The unique installation tool now also in 400 mm length.
For opening widths up to 85 mm / 3 3/8"

Precision Circlip Pliers

With inserted tips
for reliable work



Precision Circlip Pliers

48

Precision Circlip Pliers for internal circlips in bore holes

With inserted tips for reliable work

Heavy duty in continuous operation: up to 10 times longer service life compared to turned tips

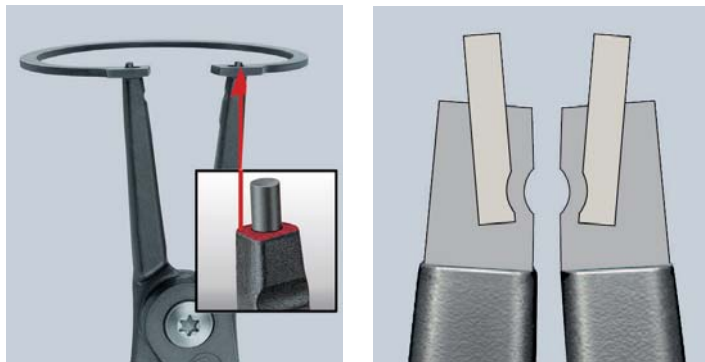
- > Bolted joint: precise, zero backlash operation of pliers
- > Inserted tips: spring steel wire, drawn



Article No.	EAN 4003773-	Description	Size of bore- Ø mm	Tips- Ø mm	↔ mm
48 11 J0	048510	straight tips	8 – 13	0.9	140
48 11 J1	048527	straight tips	12 – 25	1.3	140
48 11 J2	048534	straight tips	19 – 60	1.8	180
48 11 J3	048541	straight tips	40 – 100	2.3	225
48 11 J4	048558	straight tips	85 – 140	3.2	320
48 21 J01	048619	90° angled tips	8 – 13	0.9	130
48 21 J11	048633	90° angled tips	12 – 25	1.3	130
48 21 J21	048640	90° angled tips	19 – 60	1.8	165
48 21 J31	048657	90° angled tips	40 – 100	2.3	210
48 21 J41	048664	90° angled tips	85 – 140	3.2	305
48 31 J1	073864	straight tips	12 – 25	1.3	140
48 31 J2	073871	straight tips	19 – 60	1.8	180

49

Precision Circlip Pliers for external circlips on shafts



Circlips are held reliably: large contact areas and the position of the tips make it difficult for the circlip to bounce off

Tight fit through compression

Article No.	EAN 4003773-	Description	Size of shaft- Ø mm	Tips- Ø mm	↔ mm
49 11 A0	048718	straight tips	3 – 10	0.9	140
49 11 A1	048725	straight tips	10 – 25	1.3	140
49 11 A2	048732	straight tips	19 – 60	1.8	180
49 11 A3	048749	straight tips	40 – 100	2.3	225
49 11 A4	048756	straight tips	85 – 140	3.2	320
49 21 A01	048817	90° angled tips	3 – 10	0.9	130
49 21 A11	048824	90° angled tips	10 – 25	1.3	130
49 21 A21	048831	90° angled tips	19 – 60	1.8	165
49 21 A31	048848	90° angled tips	40 – 100	2.3	210
49 21 A41	048855	90° angled tips	85 – 140	3.2	305
49 31 A1	073895	straight tips	10 – 25	1.3	140
49 31 A2	073901	straight tips	19 – 60	1.8	180



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

48 31 J1/J2 and 49 31 A1/A2: with overexpansion guard (adjustable using end stop), the adjustable stop screw prevents the rings from overstretching

Special Retaining Ring Pliers

for retaining rings on shafts

45

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

Article No.	EAN 4003773-		↔ mm
45 10 170	017370	○ ○	170
45 21 200	031208	○ ○	200

45 21 200:

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



45 10 170:
> For retaining rings with a minimum ring split gap of 3.6 mm



Circlip Pliers

for internal circlips in bore holes

44

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



44 11 J2

Article No.	EAN 4003773-	Description	Size of bore Ø mm	Tips Ø mm	↔ mm
44 11 J0	040286	pliers black atramentized, head polished, handles plastic coated; DIN 5256 C, straight tips	8 – 13	0.9	140
44 11 J1	022862	pliers black atramentized, head polished, handles plastic coated; DIN 5256 C, straight tips	12 – 25	1.3	140
44 11 J2	022879		19 – 60	1.8	180
44 11 J3	033943	pliers black atramentized, head polished, handles plastic coated; DIN 5256 D; 90° angled tips $\sphericalangle 90^\circ$	40 – 100	2.3	225
44 11 J4	042549		85 – 140	3.2	320
44 21 J01	040132	pliers black atramentized, head polished, handles plastic coated; DIN 5256 D; 90° angled tips $\sphericalangle 90^\circ$	8 – 13	0.9	130
44 21 J11	022886		12 – 25	1.3	130
44 21 J21	022893	pliers black atramentized, head polished, handles plastic coated; 45° angled tips $\sphericalangle 45^\circ$	19 – 60	1.8	170
44 21 J31	033769		40 – 100	2.3	215
44 21 J41	043683	pliers black atramentized, head polished, handles plastic coated; 45° angled tips $\sphericalangle 45^\circ$	85 – 140	3.2	300
44 31 J02	066941		8 – 13	0.9	140
44 31 J12	066958	pliers black atramentized, head polished, handles plastic coated; 45° angled tips $\sphericalangle 45^\circ$	12 – 25	1.3	140
44 31 J22	066965		19 – 60	1.8	180
44 31 J32	066972	pliers black atramentized, head polished, handles plastic coated; 45° angled tips $\sphericalangle 45^\circ$	40 – 100	2.3	225
44 31 J42	066989		85 – 140	3.2	310

Circlip Pliers

for external circlips on shafts

46

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



46 11 A2



46 21 A2



46 21 A01

Article No.	EAN 4003773-	Description	Size of bore Ø mm	Tips Ø mm	↔ mm
46 11 A0	033950	pliers black atramentized, head polished, handles plastic coated; DIN 5254 A; straight tips $\sphericalangle \sphericalangle \sphericalangle$	3 – 10	0.9	140
46 11 A1	022909		10 – 25	1.3	140
46 11 A2	022916		19 – 60	1.8	180
46 11 A3	033974		40 – 100	2.3	210
46 11 A4	042532	pliers black atramentized, head polished, handles plastic coated; DIN 5254 B; 90° angled tips $\sphericalangle 90^\circ$ $\sphericalangle \sphericalangle \sphericalangle$	85 – 140	3.2	320
46 21 A01	033967		3 – 10	0.9	125
46 21 A11	023005	pliers black atramentized, head polished, handles plastic coated; DIN 5254 B; 90° angled tips $\sphericalangle 90^\circ$ $\sphericalangle \sphericalangle \sphericalangle$	10 – 25	1.3	125
46 21 A21	022923		19 – 60	1.8	170
46 21 A31	033981	pliers black atramentized, head polished, handles plastic coated; 45° angled tips $\sphericalangle 45^\circ$ $\sphericalangle \sphericalangle \sphericalangle$	40 – 100	2.3	200
46 21 A41	039365		85 – 140	3.2	300
46 31 A02	066996	pliers black atramentized, head polished, handles plastic coated; 45° angled tips $\sphericalangle 45^\circ$ $\sphericalangle \sphericalangle \sphericalangle$	3 – 10	0.9	130
46 31 A12	067009		10 – 25	1.3	130
46 31 A22	067016		19 – 60	1.8	185
46 31 A32	067023		40 – 100	2.3	210
46 31 A42	067030	pliers black atramentized, head polished, handles plastic coated; 45° angled tips $\sphericalangle 45^\circ$ $\sphericalangle \sphericalangle \sphericalangle$	85 – 140	3.2	310

Precision Circlip Pliers Set

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- > High-quality, impact-resistant plastic case
- > Contains common Precision Circlip Pliers for highest requirements
- > 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

Article No.	EAN 4003773-	Content
00 21 25	050131	1 x 48 11 J1 / 48 11 J2 / 48 21 J11 / 48 21 J21. 49 11 A1 / 49 11 A2. 49 21 A11 / 49 21 A21



Precision Circlip Pliers Sets

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

00 20 04 V 01



00 20 03 V 02



00 20 03 SB



00 20 04 SB



Article No.	EAN 4003773-	Content
00 20 03 SB	050100	1 x 48 11 J1 / 48 11 J2 / 49 11 A1 / 49 11 A2
00 20 03 V02	077640	1 x 44 11 J1 / 44 11 J2 / 46 11 A1 / 46 11 A2
00 20 04 SB	062417	1 x 48 11 J1 / 48 11 J2 / 49 11 A1 / 49 11 A2 / 48 21 J11 / 48 21 J21 / 49 21 A11 / 49 21 A21
00 20 04 V01	077633	1 x 44 11 J1 / 44 11 J2 / 46 11 A1 / 46 11 A2 / 44 21 J11 / 44 21 J21 / 46 21 A11 / 46 21 A21

Circlip Pliers Sets

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- > Tool roll made of hard-wearing polyester fabric
- > With practical, adjustable quick release fastener

NEW

00 19 56 V01

- > Four common Circlip Pliers for internal and external circlips

00 19 58 V01

- > Eight established models of circlip pliers for internal and external circlips

00 19 57 V01

- > Four common Precision Circlip Pliers for highest requirements

00 19 58 V02

- > Eight established models of precision circlip pliers for the most demanding requirements

00 19 56 V01



00 19 58 V01



Article No.	EAN 4003773-	Content
00 19 56 V01 N	081548	1 x 44 11 J1 / 44 11 J2 / 46 11 A1 / 46 11 A2
00 19 58 V01 N	081562	1 x 44 11 J1 / 44 21 J2 / 44 21 J11 / 44 21 J21 / 46 11 A1 / 46 11 A2 / 46 21 A11 / 46 21 A21
00 19 57 V01 N	081555	1 x 48 11 J2 / 44 21 J21 / 49 11 A2 / 49 21 A21
00 19 58 V02 N	081579	1 x 48 11 J1 / 48 11 J2 / 48 21 J11 / 48 21 J21 / 49 11 A1 / 49 11 A2 / 49 21 A11 / 49 21 A21

Ear Clamp Pliers

10

Suitable for universal use, for 1-ear and 2-ear clamps (Oetiker system or similar)

- > For the simple and reliable mounting of 1-ear and 2-ear clamps (Oetiker system or similar)
- > 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
- > High-grade special tool steel, forged, oil-hardened

10 99 I220

- > Especially suitable for universal use thanks to the additional side jaw



10 98 I220



10 99 I220

Article No.	EAN 4003773-	Description	↔ mm
10 98 I220	080749	pliers black atramentized, head polished, handles plastic coated	220
10 99 I220	080756		220



Using the front press nib



10 99 I220: Using the side press nib



10 98 I220: Sealing the hose connection on central lubrication



10 99 I220: Sealing the fluid hose on the connecting piece

Long Reach Needle Nose Pliers

DIN ISO 5743. with transverse profiles

28

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

Deep parts can be easily reached using the slim, half-round tips

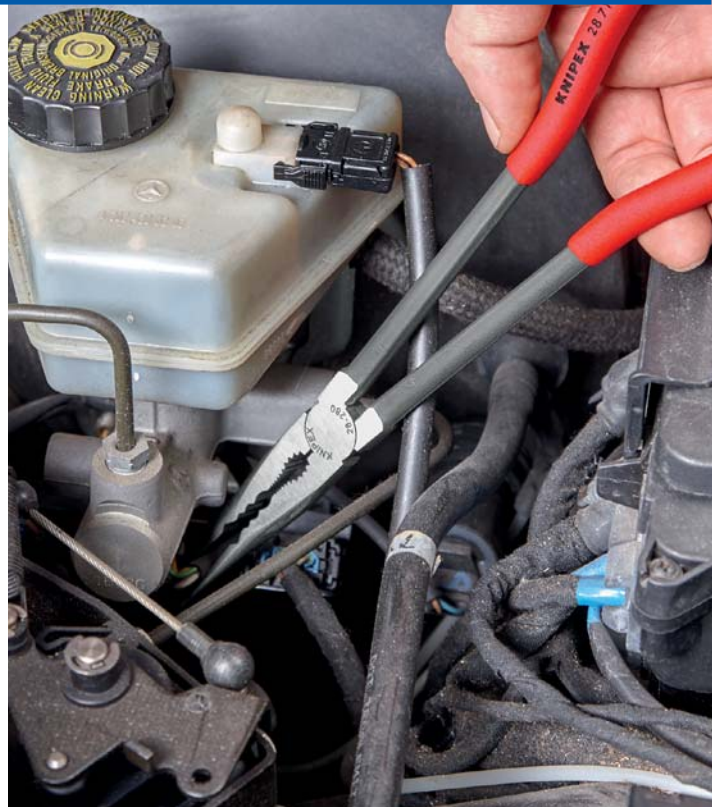
- > Careful yet reliable gripping, holding and guiding of small copper pipes, screws and cables as well as other round parts thanks to milled grooves with smooth surfaces
- > Serrated pipe grip to grip round parts
- > Particularly suitable for work in the automotive trade and in mechanical engineering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



28 71 280



28 81 280



Article No.	EAN 4003773-	Description	↔ mm
28 71 280	079415	head polished, handles plastic coated	280
28 81 280	079422	head polished, handles plastic coated	280

Small High Leverage Combination Pliers with pointed jaw For all common installation and repair work

Handy use when working in confined areas thanks to slim head design and pointed jaws (anti-twist)

Gripping surfaces with special convex contour on one side for secure gripping of flat parts

Milled groove in the gripping area permits small parts such as nails, pins and bolts to be held and pulled

- > The reliable and diverse combination pliers when out and about
- > Easy cutting thanks to the high leverage joint
- > With cutting edges for soft, medium-hard and hard wire
- > Long service life and stable tips; forged from special high grade tool steel, manifold oil-hardened



08 21 145



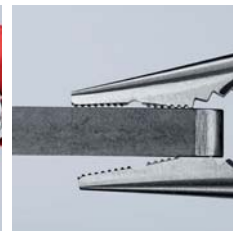
08 25 145



08 26 145



Milled groove in the gripping area



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



Tip keeps its shape even during greater torsional forces



Article No.	EAN 4003773-	Ø mm	Ø mm	Ø mm	mm ²	↔ mm
08 21 145	078951	3.0	2.0	8.0	16.0	145
08 22 145	078968	3.0	2.0	8.0	16.0	145
08 25 145	078975	3.0	2.0	8.0	16.0	145
08 26 145	079361	3.0	2.0	8.0	16.0	145

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

Article No.	EAN 4003773-	Ø mm	Ø mm	Ø mm	mm ²	↔ mm
03 02 160	023203	3.1	2.0	10.0	16.0	160
03 02 180	023197	3.4	2.2	12.0	16.0	180
03 06 180	021926	3.4	2.2	12.0	16.0	180
03 02 200	034940	3.8	2.5	13.0	16.0	200



03 06 180

03 02 200

- > High bending strength of the pliers tips
- > Gripping surfaces cross-hatched, knurled
- > Vanadium electric steel; forged, oil-hardened

38 21 200

- > 40° bent jaws

38 31 200

- > curved tip

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

- > 45° angled, half-round, long jaws, also suitable for gripping spark plugs and round components (spark plug cover "grabber")



38 11 200

38 21 200

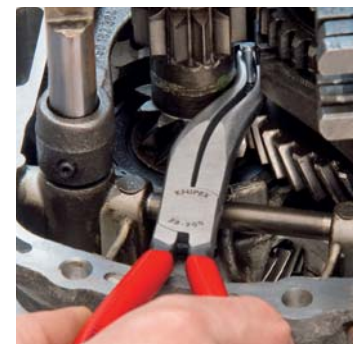
38 31 200

38 71 200

38 91 200



Gentle loosening of hoses in confined areas.



Article No.	EAN	Description	↔ mm
38 11 200	4003773-035169		200
38 21 200	035176		200
38 31 200	040712	head polished, handles plastic coated	200
38 71 200	017202		200
38 91 200	017219		200

Snipe Nose Side Cutting Pliers

(Radio Pliers)

25

- > Suitable for finer gripping and cutting work
- > Half-round, long, tapered jaws
- > 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



Article No.	EAN 4003773-	Description	↔ mm
25 02 140	023159	head polished, handles with multi-component grips	140
25 02 160	023166	head polished, handles with multi-component grips	160
25 21 160	015994	head polished, handles plastic coated	160

25 21 160

25 02 160



Snipe Nose Side Cutting Pliers

(Stork Beak Pliers)

26

Elastic tips: dimensionally stable even when twisted

- > Distortion-tolerant, elastic precision tips
- > Half-round, long, pointed jaws
- > With cutting edges (hardness approx. 61 HRC) for soft, medium-hard and hard wire



26 12 200

26 22 200

26 16 200



Article No.	EAN 4003773-	Description	↔ mm
26 12 200	023142	head polished, handles with multi-component grips	200
26 22 200	023135	head 40° angled; head polished, handles with multi-component grips	200
26 16 200	022831	pliers chrome plated, handles insulated with multi-component grips, VDE-tested	200

Long Nose Pliers

30

- > Heavy-duty and hard-wearing gripping pliers
- > Different jaw styles
- > Chrome vanadium electric steel, forged, oil-hardened

Article No.	EAN 4003773-	Description	↔ mm
30 11 160	023128	head polished, handles plastic coated; long, trapezoidal jaws, knurled gripping surfaces	160
30 21 160	035053	head polished, handles plastic coated; long, half-round jaws, knurled gripping surfaces	160
30 31 160	035077	head polished, handles plastic coated; long, round jaws, smooth gripping surfaces	160



30 21 160

30 11 160

30 31 160

Grip Pliers

41

- > 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



41 04 250



41 34 165

Article No.	EAN 4003773-	○ mm	□ mm	⬡ mm	↔ mm
41 04 180	002741	30	20	30	180
41 04 250	002758	40	20	30	250
41 04 300	022183	65	30	34	300
41 34 165	047858	20	10	24	165

Welding Grip Pliers

42

- > 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



42 34 280



Article No.	EAN 4003773-	Description	□ mm	○ mm	↔ mm
42 14 280	022206	Also for section material with vertical webs up to 25 mm height; pliers bright zinc plated	50	30 – 65	280
42 34 280	022220	Clamps cumbersome workpieces and sections with high webs up to 40 mm; pliers bright zinc plated	90		280

Carpenters' Pincers

50

- > For heaviest duty
- > Specially favoured by craftsmen for their precise workmanship
- > Extreme wear resistance and well balanced
- > Cutting edge hardness approx. 60 HRC
- > Special tool steel, forged, oil-hardened

Article No.	EAN 4003773-		Ø mm	↔ mm
50 00 180	013136	pliers black atramentized, head polished	2.0	180
50 00 300	015710		2.4	300
50 00 210	013143		2.2	210
50 01 250	016267	pliers black atramentized, head polished, handles plastic coated	2.2	250
50 01 300	016915		2.4	300



50 00 210

Hammerhead Style Carpenters' Pincers

51

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

Article No.	EAN 4003773-	↔ mm
51 01 210	023104	210



Farriers' Pincers

(Tear-off Pliers for vehicle bodywork)

55

- > The ideal pliers for the farrier
- > With small head and anvil for redirecting horseshoe-nails
- > 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






Article No.	EAN 4003773-	Description	Head width mm	↔ mm
55 00 300	014072	pliers black atramentized, head polished	20	300



Concreters' Nippers

99

- > To twist and cut wire in one operation: fast, reliable and economical
- > Unobtained precision and long service life make these the most widely purchased concreters' nippers in the world
- > Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC
- > High-grade special tool steel, forged, multi stage oil-hardened






Article No.	EAN 4003773-	Description	 Ø mm	 Ø mm	 mm
99 00 220	013273	pliers black atramentized	2.4	1.6	220
99 00 250	013280	pliers black atramentized	2.4	1.6	250
99 00 280	014096	pliers black atramentized	2.8	1.8	280



Wire Rope Cutters forged

95

- > With two crimping dies for end caps on Bowden cable sheaths and end ferrules for traction cables
- > Comfortable work thanks 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

Article No.	EAN 4003773-	 Ø mm	 Ø mm	 Ø mm	 Ø mm	 mm
95 61 190	040651	7.0	5.0	4.0	2.5	190



KNIPEX CoBolt®

Compact Bolt Cutters

71

- > Precision cutting edges for soft and hard wire as well as piano wire
- > Cuts bolts, nails, rivets, etc. up to 5.2 mm dia.
- > Most efficient joint design ensures exceptional cutting performance with little effort
- > Cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC

71 12 / 22 200

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

71 41 200

- > 20° angled head with joint bar on one side and side cutter for almost flush cutting, with space for gripping



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



71 01 / 02 und 71 12 200
Gripping surface below the joint



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



71 02 200



71 22 200 $\sphericalangle 20^\circ$



71 41 200 $\sphericalangle 20^\circ$

Article No.	EAN 4003773-	Ø mm	Ø mm	Ø mm	Ø mm	\longleftrightarrow mm	
71 01 200	033165	6.0	5.2	4.0	3.6	200	
71 02 200	047056	6.0	5.2	4.0	3.6	200	
71 12 200	066859	\sphericalangle	6.0	5.2	4.0	3.6	200
71 31 200	042327	\sphericalangle	6.0	5.2	4.0	3.6	200
71 22 200	066873	$\sphericalangle 20^\circ$	6.0	5.2	4.0	3.6	200
71 41 200	066897	$\sphericalangle 20^\circ$	6.0	5.2	4.0	3.6	200

KNIPEX CoBolt® XL

Compact Bolt Cutters

71

The compact bolt cutters from KNIPEX now also available with long handles for one and two-hand operation. Up to a 40-fold increase of manual force.

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 high leverage diagonal cutters of the same size
- > 40-fold increase of manual force due to special joint design
- > With gripping surface below the joint for gripping and pulling wires with a diameter as from 1.0 mm

Article No.	EAN 4003773-	Ø mm	Ø mm	Ø mm	\longleftrightarrow mm
71 01 250	079637	5.6	4.0	3.8	250
71 31 250	079644	6.0	4.3	4.2	250



71 01 250

71 31 250

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



71 01 250



71 31 250



Bolt Cutters

71
72

- > 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 dual component handle sleeves
- > Precise adjustment (12 positions) by eccentric bolt
- > High cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle and transmission ratio
- > Bolted cutter head, replaceable
- > Blade: chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
- > Joint: special tool steel, forged
- > Handles: steel tube, powder-coated



71 72 460



71 72 610



71 72 760



71 72 910

Article No.	EAN 4003773-	HRC 19 Ø mm	HRC 40 Ø mm	HRC 48 Ø mm	↔ mm
71 72 460	066750	8	6	5	460
71 72 610	066767	9	8	7	610
71 72 760	066774	11	9	8	760
71 72 910	066781	13	10	9	910



Pipe Cutter

for plastic conduit pipes and hoses

90

- > For cutting thin walled plastic pipes (conduit plastic pipes) and flexible hoses, also with fabric reinforcement, of plastic and rubber up to 25.0 mm / 1" exterior dia.
- > Not suitable for cutting cables
- > With opening spring and locking device
- > Tool body: plastic, fibreglass-reinforced
- > Blades: special tool steel, oil-hardened, interchangeable



Article No.	EAN	Cutting capacities Ø mm	↔ mm
90 20 185	4003773-067122	25	185

Anvil shears

95
5

Versatile, slim cutters with shear-action draw cut for the energy-saving, accurate cutting of soft and fibrous materials

- > 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



Anvil cut with aluminium anvil; blade and anvil can be replaced



Article No.	EAN	↔ mm	Tool	Handles	Blade length mm	⚖ g
94 55 200	4003773-080763	200	chrome plated	with plastic grips	40	290

Combination Shears

95

- > For cutting cardboard, plastics, aluminium, brass and copper foils
- > Precision ground, hardened blades
- > With opening spring and locking device
- > Not suitable for steel wire or iron sheets
- > Shears body: surgical steel, stainless, vacuum-hardened
- > Handles: plastic, impact-proof



Article No.	EAN	↔ mm
95 05 185	4003773-060277	185
95 05 190	019602	190

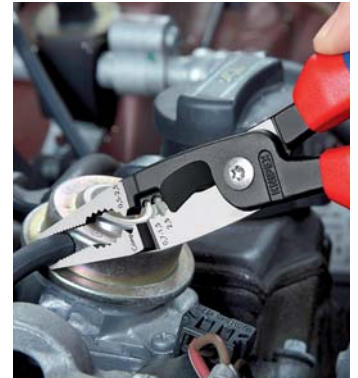
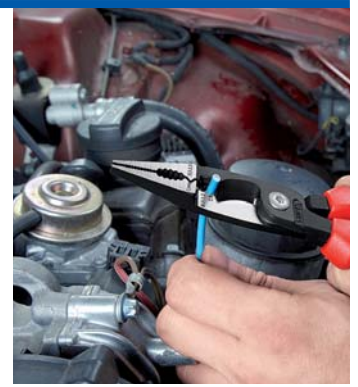
The mobile task force

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

6 functions in one pair of pliers

- > Smooth surfaces near the tips grip single cores without damaging them; serrated gripping surfaces and pipe grip for gripping flat and round material
- > Clear-cut outside edge on the jaw for working on flush-mounted junction boxes and deburring feed-through holes
- > Stripping holes for conductors of 0.75 – 1.5 mm² and 2.5 mm²
- > Crimp die for wire-end ferrules 0.5 – 2.5 mm²
- > Cable shears with (induction-hardened) precision cutting edges for copper and aluminium cables up to 5 x 2.5 mm²/dia. 15 mm
- > Slim dimensions for easy access
- > Bolted joint: precise, zero backlash operation of pliers

13 82 200



Article No.	EAN 4003773-	Pliers	Head	Handles	Cutting capacities		
					Ø mm	mm ²	mm
13 81 200	075240	black atramentized	polished	plastic coated	15	50	200
13 82 200	075080	black atramentized	polished	with multi-component grips	15	50	200

Diagonal Cutters

- > The indispensable diagonal cutter for all-round use
- > High quality material and precise workmanship for long service life
- > Precision cutting edges for soft and hard wire
- > Clean cutting of thin copper wires, also at the cutting-edge tips
- > Cutting edges additionally induction hardened, cutting edge hardness approx. 62 HRC
- > Narrow head style for use in confined areas
- > Vanadium electric steel, forged, multi stage oil-hardened



70 02 160

70 05 160

70 06 160



Article No.	EAN 4003773-	Ø mm	Ø mm	Ø mm	mm
70 02 160	034032	4.0	3.0	2.0	160
70 05 160	039600	4.0	3.0	2.0	160
70 06 160	021995	4.0	3.0	2.0	160
70 02 180	034049	4.0	3.0	2.5	180
70 05 180	043706	4.0	3.0	2.5	180
70 06 180	033813	4.0	3.0	2.5	180

KNIPEX X-Cut®

Compact Diagonal Cutters

Powerful, light and universal

Cuts finest strands as well as multi-core cables and piano wires

- > Box-joint design: highest stability with low weight
- > Doubly supported joint axis for heaviest duty
- > High cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle and transmission ratio
- > Large opening width for thicker cables
- > Cuts precisely, even through fine copper wires
- > Compact, low-weight construction
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



73 05 160






Article No.	EAN 4003773-	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	mm
73 02 160	075127	4.8	3.8	2.7	2.2	12	160
73 05 160	075134	4.8	3.8	2.7	2.2	12	160

Automatic Insulation Stripper

12

- > Compact standard tool at a favourable price for all current cable cross-sections and insulating materials
- > For single, multiple and fine stranded cables of 0.2 up to 6 mm² with standard insulation
- > Adapts automatically to the respective cable cross-section; prevents damage to the conductor
- > Handy shape and low weight provide high operation comfort
- > Narrow head style for use in confined areas
- > With wire cutter for copper and aluminium wires up to 2.5 mm²

Article No.	EAN			
12 62 180	4003773-054573	0.2 – 6	24 – 10	180



Wire cutter for multiple stranded wire cables up to 10.0 mm²

Adjustable length stop




Precise stripping prevents damage to the conductor

Self-Adjusting Insulation Stripper

12

- > For single, multiple and fine stranded conductors with plastic or rubber insulation
- > Cutting depth can be adjusted for different insulation materials
- > Blade: special tool steel, oil-hardened



Article No.	EAN			
12 40 200	4003773-026662	0.03 - 10	32 - 7	200

KNIPEX MultiStrip 10

Automatic Insulation Stripper

12


Stripping without re-adjustment from 0.03 to 10.0 mm²

Universal blade geometry -robust and more durable

Ideal grip design with excellent haptics

Recessed wire cutter

- > Fully automatic adjustment to all single-, multi- and fine-stranded conductors with standard insulation throughout the entire capacity range from 0.03 to 10.0 mm²
- > No manual fine adjustment necessary
- > 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
- > With recessed wire cutter for Cu and Al conductors, stranded up to 10 mm² and single wire up to 6 mm²
- > Particularly smooth-running mechanics and very low weight
- > Replaceable blades block and length stop
- > Handle with soft-plastic zone for a steady grip

Article No.	EAN	Stripping capacities mm ²	AWG	
12 42 195	4003773-054580	0.03 – 10	32 – 7	195



PATENTED

Precise stripping from 0.03 to 10 mm² without re-adjustment

Steel clamping jaws avoid slipping of the cable

Wire cutter for multiple stranded wire cables up to 10.0 mm²



Also for insulated and non-insulated end sleeves (ferrules)
10 / 16 / 25 mm²

Universal indent crimping die for non-insulated connectors

- > Just one tool for the most common crimping applications
- > Crimping dies changed quickly and easily without any additional tool
- > Sorted and protected storage of the interchangeable dies in a round magazine
- > Comfortable, powerful crimping pliers in professional quality
- > Same reliable crimping results as with fixed crimping dies
- > Repetitive, high crimping quality due to precision dies and integral lock (self-releasing mechanism)
- > Chrome vanadium electric steel in special quality, oil-hardened
- > Round magazine: plastic, fibreglass-reinforced



97 33 02



Changing position: service lever opens out for parallel jaw positioning



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



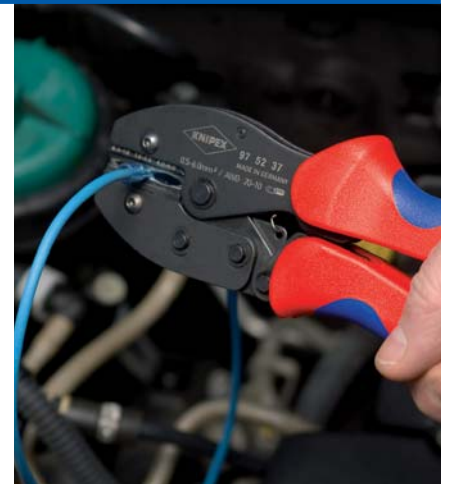
Fold in the service lever and press the pliers – ready for use again

Article No.	EAN					Capacity mm ²	AWG	↔ mm
97 33 01	4003773-066927			MM	KNIPEX MultiCrimp®			250
					non-insulated open plug type connectors (plug width 4.8 + 6.3 mm)	0.5 - 1 1.5 - 2.5 4 - 6	20 - 10	
					insulated terminals, plug connectors + butt connectors	0.5 - 1 1.5 - 2.5 4 - 6	20 - 10	
					End Sleeves (ferrules)	0.25 - 0.75 1 - 1.5 2.5 4 6	23 - 10	
97 33 02	066934			MM	KNIPEX MultiCrimp®			250
					non-insulated open plug type connectors (plug width 4.8 + 6.3 mm)	0.5 - 1 1.5 - 2.5 4 - 6	20 - 10	
					insulated terminals, plug connectors + butt connectors	0.5 - 1 1.5 - 2.5 4 - 6	20 - 10	
					End Sleeves (ferrules)	0.25 - 0.75 1 - 1.5 2.5 4 6	23 - 10	
					End Sleeves (ferrules)	10 / 16 / 25	7 / 5 / 3	
					non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267	0.5 - 1 1.5 - 2.5 4 - 6 10	20 - 7	

KNIPEX PreciForce®

97
52

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



97 52 36

Article No.	EAN 4003773-	Applications		↔ mm
97 52 33	051862	non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267		220
97 52 35	051886	non-insulated open plug type connectors (plug width 4.8 + 6.3 mm) 0.5 – 6 mm²; AWG 20 – 10		220
97 52 36	051893	insulated terminals, plug connectors + butt connectors 0.5 – 6 mm²; AWG 20 – 10		220
97 52 37	063193	heat shrinkable sleeve connectors 0.5 – 6 mm²; AWG 20 – 10		220

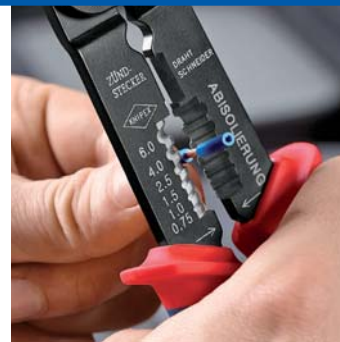
Crimping Pliers

97
21

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



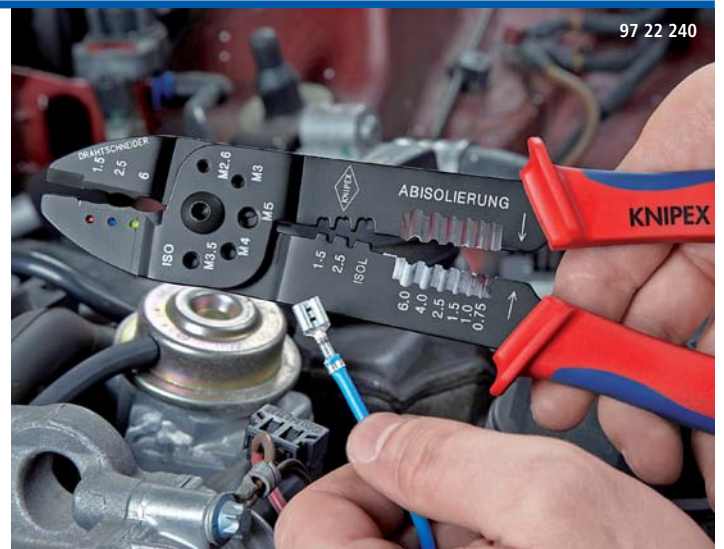
Article No.	EAN 4003773-			Capacity		↔ mm
				mm²	AWG	
97 21 215	019688			0.5 – 6.0	20 – 10	230
97 21 215 B	019695			0.5 – 2.5	20 – 13	230
97 21 215 C	019701			0.5 – 6.0	20 – 10	230

Crimping Pliers

97
22

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

Article No.	EAN 4003773-			Capacity		↔ mm
				mm²	AWG	
97 22 240	070726			0.5 – 6.0	20 – 10	240
97 32 240	079491			0.5 – 2.5	20 – 13	240
				0.5 – 6.0	20 – 10	



97 22 240

Electronic Super Knips®

78

- > Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
- > 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
- > Precision shaped tips cut wires resting on a board from 0.2 mm dia.
- > Joint with stainless steel rivet
- > Extremely smooth movement for minimum operator fatigue
- > With opening spring and opening limiter

Article No.	EAN 4003773-		Cutting capacities		
			Ø mm	Ø mm	mm
78 03 125	035381		0.2 - 1.6	1.0	125
78 61 125	035404		0.2 - 1.6	1.2	125



78 61 125



Electronic Super Knips® XL

78

Additional 15 mm longer version:
greater stability, improved cutting performance

NEW

- > 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
- > Precision shaped tips cut wires resting on a board from 0.2 mm dia.
- > Joint with stainless steel rivet
- > Extremely smooth movement for minimum operator fatigue
- > With opening spring and opening limiter

78 03 140 / 78 03 140 ESD

- > Cutting edge hardness approx. 54 HRC, INOX - stainless steel

78 61 140 / 78 61 140 ESD

- > Cutting-edge hardness approx. 64 HRC, cutting edges additionally induction hardened, special tool steel, oil-hardened in multiple stages



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



78 61 140 ESD



78 03 140

Article No.	EAN 4003773-		Pliers	Head	Handles			
						Ø mm	Ø mm	mm
78 03 140		081647		polished	with multi-component grips	0.2 - 2.1	1.2	140
78 03 140 ESD		081661		polished	with multi-component grips	0.2 - 2.1	1.2	140
78 61 140		081685		burnished	with multi-component grips	0.2 - 2.1	1.4	140
78 61 140 ESD		081708		burnished	with multi-component grips	0.2 - 2.1	1.4	140

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