

# NEWS 2014



KNIPEX Quality – Made in Germany




Product videos



# KNIPEX 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"

- excellent 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
- lever transmission greater than 10 : 1 for strong gripping power

adjustable tightening tool - replaces diverse expensive, large open-end wrenches up to AF 85 mm or 3 3/8"

parallel jaws give a more solid grip; its design allows flexible adjustment up to a maximum size of AF 85 or 3 3/8"

smooth jaws, for damage free installation of quality union joints made from brass, red brass, stainless steel or chrome-plated material

zero backlash jaw pressure prevents damage to edges of sensitive components

the ratchet type principle allows quick and easy tightening and release of bolted connections

push the button for adjustment on the workpiece



Pliers head = original size

No.	EAN	↔ mm		Pliers	Handles	Inch	mm	Adjustment positions	Capacities			g
									B1 mm	B2 mm	B3 mm	
86 03 400	077312	400		nickel plated	plastic coated	3 3/8	85	25	12.5	16	20	1460



Product video



# KNIPEX Spring Hose Clamp Pliers

 A single pair of pliers for standard, space-saving, wire clamps and for spring band rings up to 70 mm dia.

- rotatable, universal grip inserts for reliably gripping the clamps in all positions
- extremely good leverage which allows clamps to be opened easily without great effort
- quick-set adjustment: adjusts by shifting directly onto the workpiece
- slim head design; narrow head width, rotatable grip inserts: an ideal tool, especially in confined areas
- can be used for standard, space-saving, spring wire hose clamps and for spring band clamps up to 70 mm nominal size
- maximum jaw opening 80 mm; allows more than 40 mm clamping range

## The proven features of the Cobra® also apply to the KNIPEX Spring Hose Clamp Pliers

- less effort required due to extremely good transmission ratio
- first class guard to prevent fingers being pinched
- reliable gripping with hand-friendly handle position
- fine adjustment ensures a precise fit to suit the most diverse clamp sizes
- opens at the touch of a button
- box-joint design: high stability due to the double guidance



No.	EAN 4003773-	↔ mm	Adjustment positions	Capacity	⚖ g
85 51 250 A	077329	250	25	max. 70 mm	365
85 59 250 A	077336	Spare parts assortment grip inserts			



Original size

## KNIPEX Mini Pliers Wrench

Pliers and a wrench in a single tool

- ▶ Particularly suitable for working on small bolted connections.
- Excellent access in very confined areas.



### The pliers wrenches

- adjustable tightening tool
- excellent for gripping, holding, pressing and bending workpieces
- parallel jaws give a more solid grip
- replaces the need for sets of metric and imperial spanners (up to 23 mm / 7/8")
- smooth jaws for damage free installation of plated fittings
- zero backlash jaw pressure prevents damage to edges of sensitive components
- push the button for adjustment on the workpiece
- reliable catching of the hinge bolt: no unintentional shifting
- the ratchet type principle allows quick and easy tightening and release of bolted connections
- lever transmission greater than 10 : 1 for strong gripping power

Product video



No.	EAN 4003773-	↔ mm		Inch	mm	Adjustment positions	Capacities			g
							B1 mm	B2 mm	B3 mm	
86 03 125	077497	125		7/8	23	11	3.0	5.0	9.5	105

# KNIPEX Crimping Pliers for end sleeves (ferrules)

for crimping end sleeves (ferrules)

according DIN 46228 parts 1 + 4 from 0.25 to 16 mm<sup>2</sup>

NEW as VDE version.

Improved leverage for 30 % easier crimping.

Light and slim design.



No. 97 71 180



No. 97 72 180

- crimping in marked half-round dies for reliable connections between the sleeve and the conductor
- 9 particularly deep dies with conical side faces



0,75 mm<sup>2</sup>



6 mm<sup>2</sup>



16 mm<sup>2</sup>



OLD

NEW



- improved leverage for 30% easier crimping

- light and slim design

No.	EAN 4003773-	↔ mm			Capacity mm <sup>2</sup>	AWG	g
97 71 180	040668	180			0.25 - 16	23 - 5	214
97 72 180	060185	180			0.25 - 16	23 - 5	255
97 78 180	072003	180			0.25 - 16	23 - 5	273



## KNIPEX CoBolt®

Improved cutting performance.

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

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

Micro-structured cutting edge



Gripping surface below the joint



### Compact Bolt Cutters

- 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 effective joint design ensures exceptional cutting performance with minimum effort
- cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC

Product video



No.	EAN 4003773-	↔ mm		Handles	Cutting capacities				⚖ g
					● Ø mm	◐ Ø mm	◑ Ø mm	○ Ø mm	
71 01 200	033165	200	✂	plastic coated	6.0	5.2	4.0	3.6	335
71 02 200	047056	200	✂	with slim multi-component grips	6.0	5.2	4.0	3.6	372
71 12 200	066859	200	✂	with slim multi-component grips	6.0	5.2	4.0	3.6	375

# KNIPEX Cobra® QuickSet

 Additional fast adjustment on the workpiece also without pressing the push-button.

The Cobra® QuickSet combines all proven properties of the KNIPEX Cobra® with an additional push function which makes it easier to work in very confined and inaccessible areas.

Adjustment directly on the workpiece is possible by simply sliding the pliers handle. The hinge bolt locks itself with the first workload. The gripping width of the pliers is then fixed and can only be adjusted by pressing the button.

The hinge bolt must be released by pressing the button and the pliers must be completely opened once to activate the QuickSet function again.

# QuickSet



Press the button – open pliers completely



Position jaw – simply slide and close pliers




The hinge bolt locks itself with the first workload

## Improved Cobra® functions

- self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
- fine adjustment for optimum adaptation to different sizes of workpieces and a comfortable handle width
- push the button to open apart from the workpiece
- good access to the workpiece due to slim size of head and joint area
- gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping
- box-joint design: high stability due to the double guidance
- reliable catching of the hinge bolt: no unintentional shifting
- guard prevents operators' fingers being pinched



Cobra® QuickSet button

No.	EAN 4003773-	↔ mm		⌀ Inch	⌀ mm	⬡ mm	Adjustment positions	⚖ g
87 21 250	072775	250		2	50	46	25	335
87 22 250	077794	250		2	50	46	25	364

Product video





## KNIPEX MultiStrip 10

PATENTED

Stripping without re-adjustment  
from 0.03 to 10.0 mm<sup>2</sup>

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

- fully automatic adjustment to all single-, multi- and fine-stranded conductors with PVC insulation and a number of special insulations throughout the entire capacity range from 0.03 to 10.0 mm<sup>2</sup>
- no manual fine adjustment required, no damage to the conductors
- the clamping jaws made of steel hold the cable in a way that prevents slipping without damaging the remaining insulation
- with recessed wire cutter for copper and aluminium conductors, multi-stranded up to 10 mm<sup>2</sup> and single-stranded up to 6 mm<sup>2</sup>
- particularly smooth-running mechanics and very low weight
- replaceable blades block and length stop



Wire cutter for multiple stranded wire cables up to 10.0 mm<sup>2</sup>

### 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.



Clamping jaws made of steel avoid slipping of the cable



Precise stripping from 0.03 to 10.0 mm<sup>2</sup> without re-adjustment



No.	EAN 4003773-	↔ mm		Stripping capacities mm <sup>2</sup>	AWG	△ g
12 42 195	054580	195	MM	0.03 - 10	32 - 7	136
12 49 21	057581	Spare blades block for 12 42 195 Automatic Insulation Stripper				
12 49 23	057604	Spare length stop for 12 42 195 Automatic Insulation Stripper				

# Self-Adjusting Crimping Pliers for End Sleeves (ferrules)

PAT. PEND.

with lateral access

**Expanded capacity of square crimping for end sleeves (ferrules) up to 16 mm<sup>2</sup>**

Manual force reduced by 20 %.

Narrow handle width and improved ergonomics.



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



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

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



**97 53 04:**  
square crimping for optimum contact areas in the clamp connection

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

Manual force reduced by 20 %.

Narrow handle width and improved ergonomics.



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



**97 53 14:**  
hexagonal crimping for optimum positioning in confined areas

- for crimping end sleeves (ferrules) according to DIN 46228 parts 1 + 4
- self-adjusting adaptation to the desired end sleeve (ferrule) size:  
no wrong crimps caused by using the wrong die
- repetitive, high crimping quality due to integral lock (self-releasing mechanism)
- tools have been set precisely (calibrated) in the factory
- optimum transmission of force thanks to toggle lever for fatigue-reduced operation
- handy shape and low weight provide high operation comfort

No.	EAN 4003773-	↔ mm			Applications	Capacity mm <sup>2</sup>	AWG	⚖ g
97 53 04	028017	180			insulated + non-insulated end sleeves (ferrules)	0.08 - 10 + 16	28 - 7 + 5	405
97 53 14	041474	180				0.08 - 10	28 - 7	405



## KNIPEX TwinForce®

PATENTED

► Additional version with opening spring to simplify reapplication and for repetitive cutting.

### The High Performance Diagonal Cutter

- 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



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

No.	EAN 4003773-	↔ mm	Cutting capacities				g
			Ø mm	Ø mm	Ø mm	Ø mm	
73 72 180 F	077657	180	5.5	4.6	3.2	3.0	255



## Cobra® Hightech Water Pump Pliers Alligator® Water Pump Pliers

► New, slim multi-component grips without collar for better handling and easier transport.

### Benefits of the KNIPEX Water Pump Pliers:

- 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: low wear and stable gripping
- box-joint design: high stability because of the double guide
- guard prevents operators' fingers being pinched

No.	EAN 4003773-	↔ mm	Adjustment positions	□	□	□	g
				Ø Inch	Ø mm	mm	
87 02 250	040316	250	25	2	50	46	370
87 05 250	005681	250	25	2	50	46	370
88 02 250	019282	250	9	2	50	46	350
88 05 250	035497	250	9	2	50	46	350

## KNIPEX MultiCrimp®

Now also for insulated and non-insulated end sleeves (ferrules) 10 / 16 / 25 mm².

Universal indent crimping die for non-insulated connectors.

- crimping pliers with round magazine and five interchangeable crimping dies
- 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)



97 33 02



No.	EAN 4003773-	↔ mm				Applications	Capacity mm²	AWG	g
97 33 02	066934	250			MM	KNIPEX MultiCrimp®			870
						non-insulated, open plug-type connectors (plug width 4.8 + 6.3 mm)	0.5 - 1.0 1.5 - 2.5 4.0 - 6.0	20 - 10	
						insulated terminals and plug connectors	0.5 - 1.0 1.5 - 2.5 4.0 - 6.0	20 - 10	
						insulated + non-insulated End Sleeves (ferrules)	0.25 - 0.75 1.0 - 1.5 2.5 4.0 6.0	23 - 10	
						insulated + non-insulated End Sleeves (ferrules)	10 / 16 / 25	7 / 5 / 3	
						non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267	0.5 - 1.0 1.5 - 2.5 4.0 - 6.0 10.0	20 - 7	

## KNIPEX End Cutting Nipper 280 mm

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 induction hardened, hardness approx. 61 HRC

No.	EAN 4003773-	↔ mm		Cutting capacities			g
				Ø mm	Ø mm	Ø mm	
68 01 280	077664	280		4.5	4.0	3.2	467



## Tool bag, empty



Compact tool bag for the service technician.

- perfectly fits in the KNIPEX Big Twin 00 21 40 LE / 00 21 41 LE and other standard tool cases
- with 8 tool pouches and 7 tool straps
- slip-through back strap to attach to a trolley



No.	EAN 4003773-	Dimension		exterior depth mm	 g
		exterior width mm	exterior height mm		
00 21 11 LE	077718	410	60	290	450

## Tool case "Robust"



Fit to fly case made from impact-resistant polypropylene


- dustproof, airtight, watertight
- air pressure compensation valve
- temperatures ranging from -40° up to +80° C
- padlock eyelets
- document compartment; tool panels with 35 push-in compartments which can be filled with tools
- 2 aluminium dividers to customize the bottom tray
- 30 kg maximum load



Two-stage locks, easy to open – also with one hand



Automatic pressure compensation valve, permeable to air while keeping out water

No.	EAN 4003773-	Dimension			 g
		exterior (interior) width mm	exterior (interior) height mm	exterior (interior) depth mm	
00 21 35 LE	077565	470 (437)	190 (172)	370 (307)	4800



## Electricians Shears

Precision-finish ground blades with fine serration.

Cutting edge with integrated cable cutter.

With plastic belt case.



- universal shears for electricians
- with multi-component handles
- cutting edges made from stainless steel (56 HRC)

No.	EAN	↔ mm	⚖ g
95 05 155 SB	4003773-077725	160	110



## 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



No.	EAN	↔ mm	Application	⚖ g
97 40 20 SB	4003773-077626	175	for F, BNC and RCA-plugs	430

Size X after compression	plugs	
17 - 24 mm		F (RG 59/6)
30 - 37 mm		BNC (RG 59/6)
22 - 29 mm		RCA (59/6)
35 - 42 mm		F (RG 11)





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