

KNIPEX Quality – Made in Germany



# New Products 2020





# New Products 2020



**KNIPEX Pliers Wrench | p. 12**

Less weight, more performance

**KNIPEX Cobra® XS | p. 4**

Now in a 100 mm model



**KNIPEX TubiX®  
Pipe Cutter | p. 6**

Faster, easier and more precise: cuts copper, brass and stainless steel pipes



**KNIPEX CoBolt® S | p. 14**

160 mm length, now with recess for round materials

## KNIPEX PreciStrip16 | p. 8

Automatic Insulation Stripper



## KNIPEX StepCut | p. 10

Innovative step cut



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# KNIPEX Cobra® XS

Only 100 mm in length:  
anything but a toy!



The slim head provides firm grip even in tight spaces



Gripping capacity  
**Ø 28 mm**



Work with only one hand: open, slide in, it fits!





# KNIPEX Cobra® XS

Grips like a big tool: The smallest water pump pliers in the world with full functional capability

**NEW**  
PATENTED



87 00 100

- ▶ Optimum access in the narrowest spaces: an especially compact design with a very slim head
- ▶ Single-handed fine adjustment by sliding for optimal fitting to various workpiece sizes
- ▶ Long-lasting secure grip ensured by high wear resistance

- > Gripping capacity Ø 28 mm (1"), 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 specially hardened teeth, hardness approx. 60 HRC
- > 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

## The KNIPEX Cobra® Family has grown

In every size: perfect tightening, gripping, holding, pressing and bending with the ingenious self-locking effect



87 00 100

87 01 125

87 01 150

87 01 180

87 01 250

87 01 300

87 01 400

87 01 560



Self-locking and durable – all part of genuine KNIPEX water pump pliers



The KNIPEX Cobra® XS grips nuts up to 24 mm and other workpieces as large as Ø 28 mm



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

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Adjustment positions	⊘ Inch	⊘ mm	⚖ g
<b>87 00 100</b>	<b>N</b> 085836	100		grey atramentized	polished	embossed, rough surface	11	1	24	62
<b>87 00 100 BK</b>	<b>N</b> 085843	100				embossed, rough surface	11	1	24	87
<b>87 01 125</b>	069935	125				with non-slip plastic coating	13	1	27	85
<b>87 01 150</b>	060116	150					11	1 1/4	30	145
<b>87 01 180</b>	022015	180					18	1 1/2	36	170
<b>87 01 250</b>	022022	250					25	2	46	335
<b>87 01 300</b>	034087	300					30	2 3/4	60	530
<b>87 01 400</b>	<b>U</b> 005636	400					27	3 1/2	95	1214
<b>87 01 560</b>	044321	560					20	4 1/2	120	2750

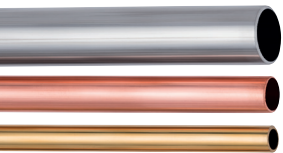


# KNIPEX TubiX® Pipe Cutter

**Faster, easier and more precise:  
cuts copper, brass and stainless steel pipes**

- ▶ QuickLock one-hand locking mechanism: slide on, cut – finished!
- ▶ Easy one-handed pushing for quick adjustment to different tube sizes
- ▶ Comfortable: easy cutting due to high-quality needle bearings in the cutting wheel and guide rolls

- > Cuts pipes from Ø 6 - 35 mm (1/4" - 1 3/8") with wall thickness up to 2 mm
- > Cutting wheel made of high-grade ball-bearing steel
- > Practical quick replace system for the cutting wheel – with spare wheel stored under the feeding barrel
- > With precision-ground deburring tool, easy to remove
- > For the electric trade: Also suitable to cut rigid steel conduits
- > Light and durable metal enclosure of magnesium



For cutting copper, brass and stainless steel pipes with wall thickness up to 2 mm and diameters of 6-35 mm (1/4" - 1 3/8")



Speed in everyday operation: the QuickLock one-hand locking mechanism enables the cutting wheel to slide onto any pipe diameter with a single press of the thumb



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

The spring-loaded cutting wheel can be pushed and fixed on the diameter of the pipe with the one-hand locking mechanism



High-quality needle bearings enable the cutting wheel and the four guide rollers to operate virtually without any friction during the cutting – cuts stainless steel pipes with particular ease

## Four steps to success – how the KNIPEX TubiX® pipe cutter helps you in your work



1 Cutting now made easy: position the opened KNIPEX TubiX® ...



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



3 Tighten and cut with a swift twist and then readjust using the ergonomic blue feeding barrel ...



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

Article No.	EAN	↔ mm	Ø mm	Ø Inch	g
90 31 02 SB <b>N</b>	084686	180	6 - 35	1/4" - 1 3/8"	375
90 31 02 BK <b>N</b>	084907	180	6 - 35	1/4" - 1 3/8"	375
90 39 02 V01 <b>N</b>	085874	Cutting wheel INOX Cu for 90 31 02			8
90 39 02 V02 <b>N</b>	085881	Deburring tool for 90 31 02			7
90 39 02 V03 <b>N</b>	086307	5x Cutting wheel INOX Cu for 90 31 02			25



# KNIPEX TubiX® Pipe Cutter

Faster, easier and more precise cutting



**QuickLock  
one-hand  
locking  
mechanism:**

Precise positioning,  
independent holding  
and clamping on  
the tube



Capacity of  
0.08–16 mm<sup>2</sup>

## KNIPEX PreciStrip 16

Automatically strips insulation – and thanks to additional zero correction, it also grips where automatic devices would otherwise fail

**KNIPEX**<sup>®</sup>

12 52 195

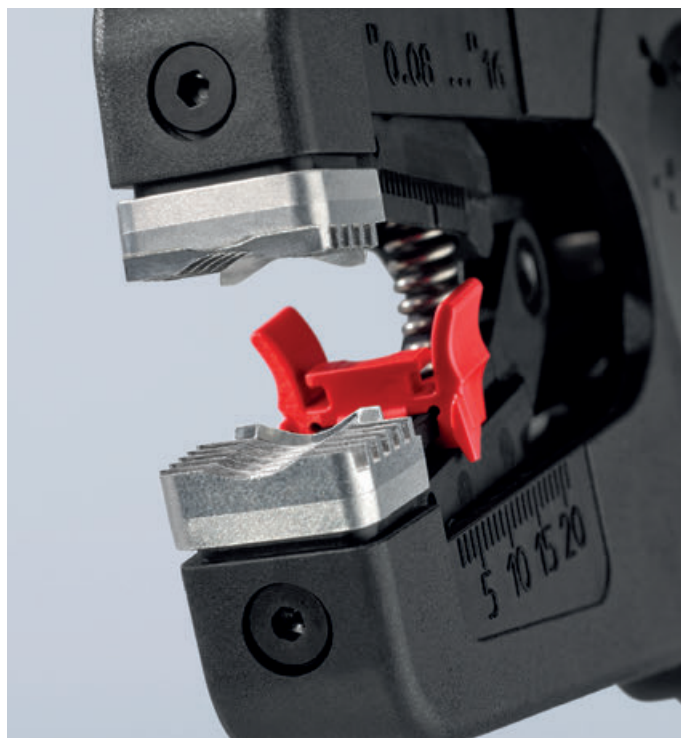
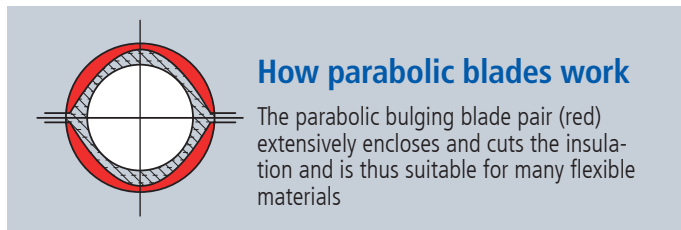


# KNIPEX PreciStrip16

Properly stripped away:  
with deft precision, strip everything from very fine  
to thick cables with stranded or solid conductors

- ▶ Simple, precise stripping of fine stranded 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 and exact cut from parabolic stripping blade
- ▶ Fine adjustable zero correction of the blade setting to special material requirements, e.g. due to large temperature differences

- > With cable cutter for stranded wire from 0.08 to 16 mm<sup>2</sup>
- > With tether attachment point, suitable for KNIPEX Tethered Tools accessories
- > Inscription area for customisation
- > With adjustable length stop for precision work repeated accurately each time
- > Comfortable operation with ergonomic dual-component handle
- > Easily replaceable blade cassette

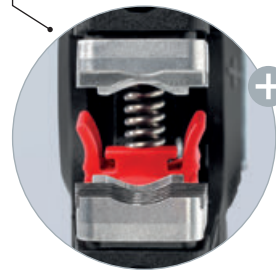


Semi-circular grooved holding clamp for better grip that holds practically any insulation material securely in place

**NEW**  
PAT. PEND.



12 52 195



Parabolic blade separates the insulation first and then automatically pulls it back



Customisable using the inscription area



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



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

Article No.	EAN	↔ mm	⊗ mm <sup>2</sup>	⊗ AWG	⚖ g
12 52 195	085829	195	0.08 - 16	28 - 5	180
12 52 195 SB	085997	195	0.08 - 16	28 - 5	180
12 49 31	086000	Spare blade pair for 12 52 195			10

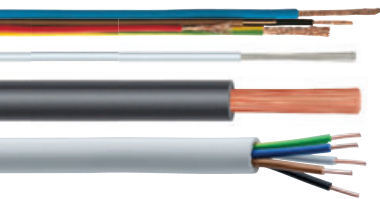


# KNIPEX StepCut – Cable Shears

Cable cutting made easy:  
innovative step cutting separates wires  
one by one to save energy

- ▶ 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 mm<sup>2</sup>)
- > Cuts solid copper and aluminium cables up to 5x4 mm<sup>2</sup>
- > 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 at least 56 HRC
- > High-grade special tool steel, forged, oil-hardened



**NEW**  
PAT. PEND.



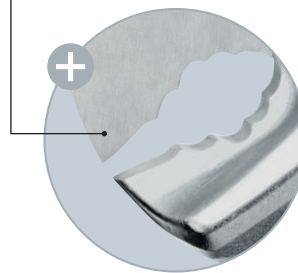
95 11 160



95 12 160



95 16 160



The gradations cut wires one after the other, without crushing



Cuts solid Cu- and Al-cable up to 5 x 4 mm<sup>2</sup>



Bolted joint: precise, smooth-running, durable; with pinch guard



Article No.	EAN 4003773-	↔ mm	Tool	Handles	Cutting capacities			⚖ g
					⊘ mm	⊘ mm <sup>2</sup>	AWG	
95 11 160	N 085904	160	burnished	plastic coated	15,0	50	1 / 0	180
95 11 160 SB	N 085911	160	burnished	plastic coated	15,0	50	1 / 0	205
95 12 160	N 085928	160	burnished	with multi-component grips	15,0	50	1 / 0	220
95 12 160 SB	N 085935	160	burnished	with multi-component grips	15,0	50	1 / 0	245
95 16 160	N 085966	160	⚡ 1000V ⚡	insulated with multi-component grips, VDE-tested	15,0	50	1 / 0	225
95 16 160 SB	N 085898	160	⚡ 1000V ⚡	insulated with multi-component grips, VDE-tested	15,0	50	1 / 0	250



# KNIPEX StepCut

Additionally hardened, precision-ground blades:  
lighter, cleaner cut without crushing

Innovative  
step cut



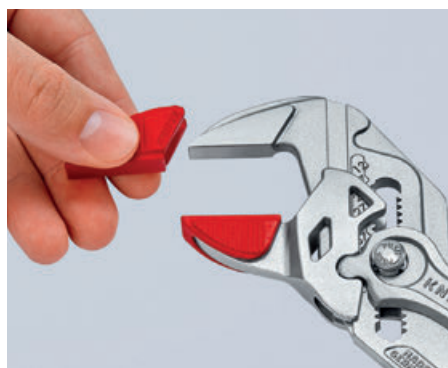


## Pliers Wrench – 300 mm length

Now optimised: Less weight, more performance, with a larger opening width and a practical laser-cut adjustment scale

- ▶ Higher capacity: Continuous gripping in all wrench sizes up to 68 mm (maximum 2 1/2") with use of two additional adjustment positions
  - ▶ Noticeably less weight, 80 grams lighter with the same stability
  - ▶ Practical adjustment scale: A laser-cut (metric and imperial) enables pre-setting to the width across flats
- > Replaces a whole set of spanners – metric and imperial
  - > Smooth jaws for damage-free installation of plated fittings - working directly on chrome!
  - > Reliable catching of the hinge bolt: no unintentional shifting
  - > Lever transmission greater than 10:1 for strong gripping power
  - > Chrome vanadium electric steel, forged, oil-hardened

For especially sensitive surfaces:  
plastic protective jaw covers are available as accessories for all optimised pliers wrenches



### Even better: the optimised pliers wrench

The new versions of the tried-and-tested pliers wrench. You will recognise them **1** by the offset jaws, **2** the laser-cut scale for pre-setting of width across flats



86 01 180 and  
86 03 180

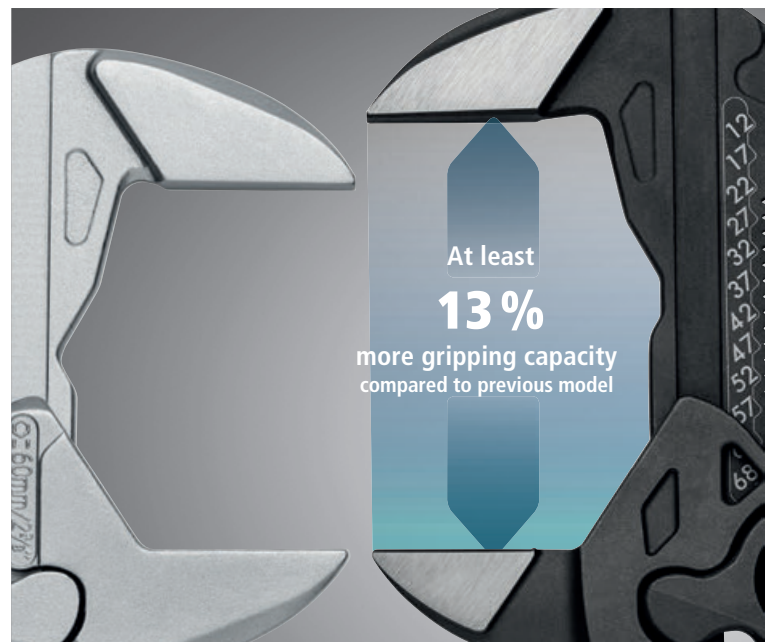
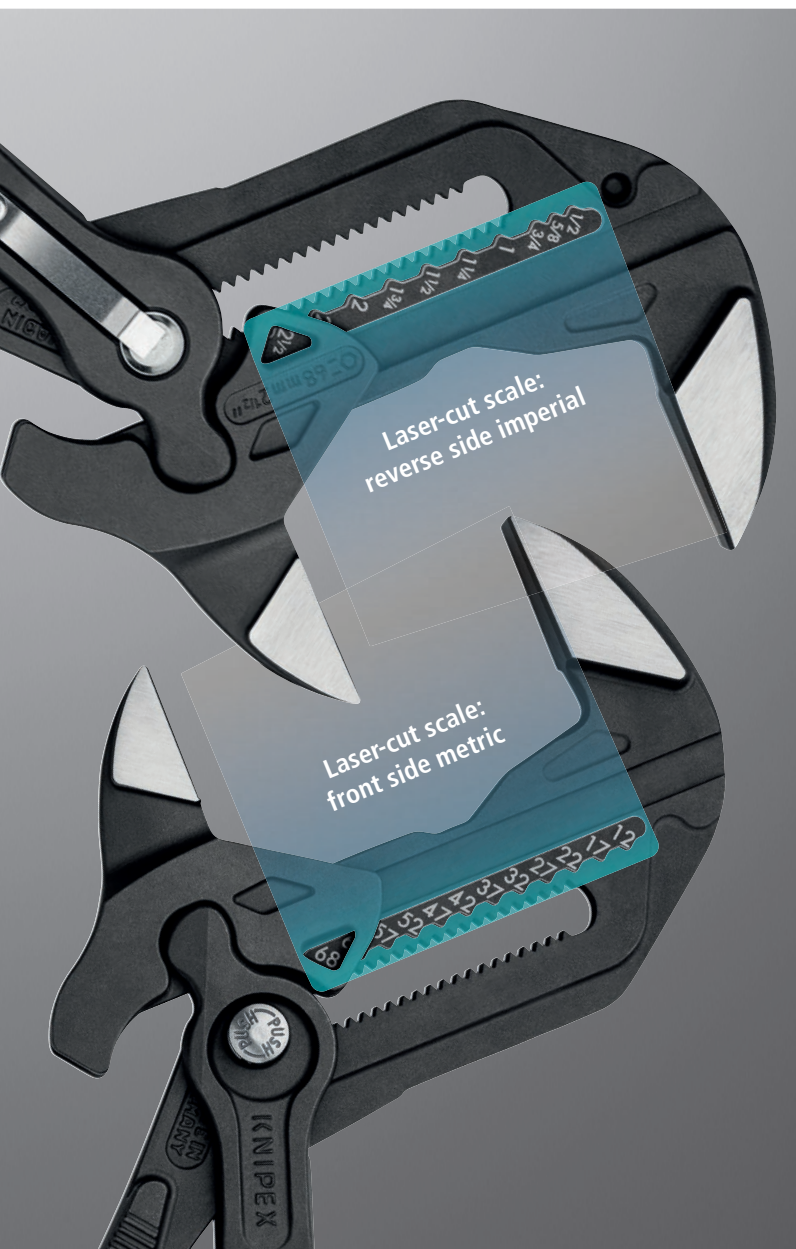
86 01 250 and  
86 03 250

86 01 300  
(from May 2020)

Article No.	EAN 4003773-	↔ mm		Pliers	Head	Handles	Adjustment positions	⊠ Inch	⊠ mm	⚖ g
86 01 180	<b>N</b> 084273	180	⊠	grey atramentized	polished	with non-slip plastic coating	15	1 ½	40	230
86 01 180 SB	<b>N</b> 084303	180	⊠	grey atramentized	polished	with non-slip plastic coating	15	1 ½	40	230
86 01 250	082385	250	⊠	grey atramentized	polished	with non-slip plastic coating	19	2	52	457
86 01 250 SB	082637	250	⊠	grey atramentized	polished	with non-slip plastic coating	19	2	52	457
86 01 300	<b>N</b> 041429	300	⊠	grey atramentized	polished	with non-slip plastic coating	24	2 ½	68	645
86 01 300 SB	<b>N</b> 084679	300	⊠	grey atramentized	polished	with non-slip plastic coating	24	2 ½	68	645
86 02 180	<b>N</b> 084280	180	⊠	grey atramentized	polished	with multi-component grips	15	1 ½	40	240
86 02 180 SB	<b>N</b> 084310	180	⊠	grey atramentized	polished	with multi-component grips	15	1 ½	40	240
86 02 250	082392	250	⊠	grey atramentized	polished	with multi-component grips	19	2	52	468
86 02 250 SB	082644	250	⊠	grey atramentized	polished	with multi-component grips	19	2	52	468
86 03 180	<b>U</b> 035466	180	⊠	chrome plated		plastic coated	15	1 ½	40	230
86 03 180 SB	<b>U</b> 028819	180	⊠	chrome plated		plastic coated	15	1 ½	40	230
86 03 250	033837	250	⊠	chrome plated		plastic coated	19	2	52	462
86 03 250 SB	022091	250	⊠	chrome plated		plastic coated	19	2	52	462
86 05 180	<b>U</b> 047162	180	⊠	chrome plated		with multi-component grips	15	1 ½	40	250
86 05 180 SB	<b>U</b> 052180	180	⊠	chrome plated		with multi-component grips	15	1 ½	40	250
86 05 250	047841	250	⊠	chrome plated		with multi-component grips	19	2	52	485
86 05 250 SB	052029	250	⊠	chrome plated		with multi-component grips	19	2	52	485
86 06 250	082408	250	⊠	chrome plated		insulated with multi-component grips, VDE-tested	19	2	52	515
86 06 250 SB	082651	250	⊠	chrome plated		insulated with multi-component grips, VDE-tested	19	2	52	515
86 09 180 V01	<b>N</b> 085805	3 pairs of plastic jaws for all 86 XX 180 mm models (models from 2019)								9
86 09 250 V01	084143	3 pairs of plastic jaws for all 86 XX 250 mm models (models from 2018)								18
86 09 300 V01	<b>N</b> 085812	3 pairs of plastic jaws for all 86 XX 300 mm models (models from 2020)								24



# All advantages of the optimised pliers wrenches at a glance:





# Compact and robust: The KNIPEX CoBolt® family

Most bolt cutters derive their brutal cutting power mainly from their large size. Much unlike the "pocket bolt cutters" of the CoBolt® family: They are handy and get the job done! In compact sizes of 160, 200 or 250 millimetres, they cut through even the hardest piano wires, thanks to precision cutting edges and efficient joints.



The practical gripping surface assists in gripping and pulling wires



The integrated opening spring in the 32 series models (e.g. 71 32 200) make frequent cutting easy: can be locked quickly for safe transport



## Optimum access:

With its slim head, the KNIPEX CoBolt® cuts where other bolt cutters will not even come close.



## 20°

angled head

on CoBolt®, e.g. 71 41 200, enables cutting close to surfaces – no injury to hands on rough walls!



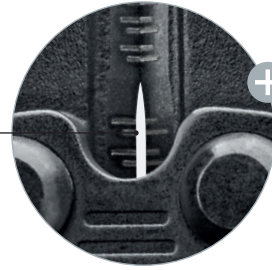
## KNIPEX CoBolt® S – with recess

Tiny titan with 25-fold leveraging of hand strength – just right for round material

- ▶ Heavy-duty cutting edge with recess slices through the hardest round materials in only one cutting action
  - ▶ 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. up to Ø 4.8 mm
  - > Cutting edge hardness approx. 64 HRC
  - > Less physical effort due to efficient lever action mechanism
  - > Slippage of cutting material reduced by 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 thanks to better leverage close to the fulcrum
  - > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



71 31 160



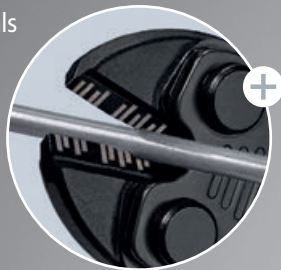
**NEW**

With recess in the cutting edge

### Ideal for round materials: the KNIPEX CoBolt® with recess

The recess enables round materials to be placed closer to the joint when cutting. The improved leverage makes easy work of cutting through even very hard materials with less effort.

Available in lengths of  
 160 mm – item no. 71 31 160  
 200 mm – item no. 71 31 200  
 250 mm – item no. 71 31 250



### Ideal for flat materials: the KNIPEX CoBolt® without recess

The cutting edge without the recess provides optimum cutting for flat materials. The lasered cutting edge also keeps the cutting material from slipping.

Available in lengths of  
 160 mm – item no. 71 01 160  
 200 mm – item no. 71 01 200  
 250 mm – item no. 71 01 250



Article No.	EAN 4003773-	↔ mm	Pliers	Handles	Cutting capacities				⚖ g
					⊘ mm	⊘ mm	⊘ mm	⊘ mm	
<b>71 31 160</b>	084587	160	grey atramentized	plastic coated	5,3	4,8	3,6	3,3	195
<b>71 31 160 SB</b>	085850	160	grey atramentized	plastic coated	5,3	4,8	3,6	3,3	195



## Pipe Cutter for plastic composite pipes

Clean cut: cuts aluminium composite and plastic pipes with great precision

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

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



Article No.	EAN 4003773-	↔ mm	Cutting capacities Ø mm	⚖ g
90 25 185	084839	185	12 - 25	175
90 25 185 SB	086093	185	12 - 25	175
90 29 01	031932	Spare blade		24



90 25 185



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

## Pipe Cutter for multilayer and pneumatic hoses

Perfect cutting results: the hose and pipe cutter for professional users

- ▶ 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 thanks to low force required and automatic opening thanks to the spring mechanism

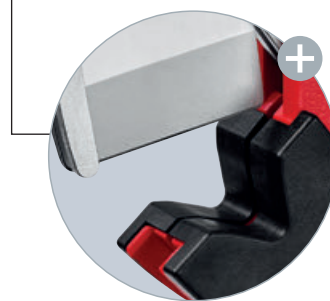
- > Easily exchangeable blades
- > With opening spring and locking device
- > Ergonomically shaped handles made of fibreglass-reinforced plastic
- > Not suitable for cutting cables
- > Blade made of high-strength special grade steel, oil-hardened and tempered



Article No.	EAN 4003773-	↔ mm	Cutting capacities Ø mm	⚖ g
90 10 185	084846	185	4 - 20	175
90 10 185 SB	086086	185	4 - 20	175
90 29 01	031932	Spare blade		24



90 10 185



The wide support lips automatically align pipes perfectly at right angles to the blade



Thanks to the ergonomic handles, smooth joint and the opening spring, you can cut flexible pipes or pneumatic hoses with little effort



# KNIPEX Crimping Pliers

Also suitable for reliable crimping of twin wire ferrules

## From thin to twin: reliable crimping of wire ferrules with continuous precision

Twin ferrules serve as a solderless connection of two stranded conductors to a single connection point. When it comes to crimping, KNIPEX has a selection of ideally suitable tools: with precision dies for all common ferrule sizes and precisely adjusted crimping pressure. Important note for self-adjusting crimping pliers 97 53 09: wire ferrules for individual stranded conductors are standardised according to DIN 46228, but twin ferrules are not and their dimensions can vary as required. To ensure effortless crimping with self-adjusting crimping pliers, use only twin wire ferrules with a diameter of up to 6.6 mm, such as 97 99 377 from KNIPEX.



### 97 52 18

#### Crimping pliers also for two-handed use

- > Up to 30% less manual force required compared to standard crimping tools thanks to lever transmission
- > Two-hand operation for easy crimping of large wire cross-sections
- > For twin wire ferrules



### 97 43 200 A with 97 49 18

#### Crimping system pliers with crimping die for twin wire ferrules

- > Almost parallel crimping motion
- > Consistently high crimping quality thanks to precision dies and forced locking mechanism (unlockable)
- > Application: Twin wire ferrules for holding two flexible wires 2 x 6/2 x 10/2 x 16 mm<sup>2</sup>

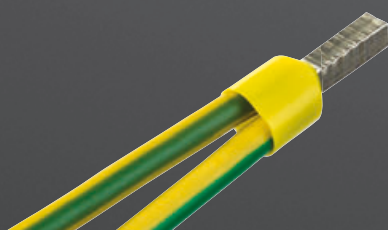
### 97 53 09

#### Self-adjusting crimping pliers for front loading wire ferrules

- > Frontal insertion of the wire ferrules into the pliers
- > For crimping wire ferrules according to DIN 46228 (part 1 + 4: with and without plastic sleeve)
- > For twin wire ferrules 2 x 10 mm<sup>2</sup> and up to Ø 6.6 mm



For further information  
go to [www.knipex.com](http://www.knipex.com)





## Siphon and Connector Pliers

Now with more grip: increased grip on the workpiece thanks to two-component plastic inserts

- ▶ Fine adjustment for ideal adaptation to diverse diameters up to 75 mm
- ▶ For connectors, oil filters, plastic pipes and siphons
- ▶ 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-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

Now revised



81 11 250



81 13 250



81 19 250

### New: Two components for a tighter grip

The innovative plastic inserts now consist of two components: the soft blue one "sticks" gently on the material, while the hard red one ensures the best support of the blue component

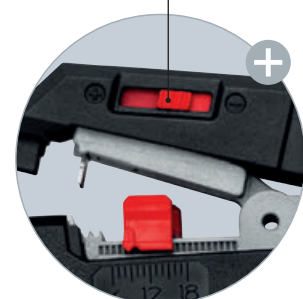
Article No.	EAN 4003773-	↔ mm	Pliers	Head	Handles	Working capacity Ø mm	Adjustment positions	⚖ g
81 11 250	078470	250	black atramentized	polished	with non-slip plastic coating	10 - 75	25	355
81 11 250 SB	078890	250	black atramentized	polished		10 - 75	25	355
81 13 250	078494	250	chrome plated			10 - 75	25	355
81 13 250 SB	078913	250	chrome plated			10 - 75	25	355
81 19 250	078500	2 pairs of plastic jaws for 81 11 250/81 13 250						5

## Automatic Insulation Stripper

Work faster: Adjusts automatically to most cable types, with fine adjustment for special materials

- ▶ Strips cables with standard materials without any need for manual adjustment
- ▶ Fine adjustment enables accurate setting of the blades to special materials or temperature requirements
- ▶ 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 mm<sup>2</sup> with standard insulation
- > Narrow head style for use in confined areas
- > With wire cutter for copper and aluminium wires up to 2.5 mm<sup>2</sup>
- > With adjustable length stop from 6.0 - 18.0 mm for cutting the same stripping lengths during repetitive work
- > Body: plastic, fibreglass-reinforced
- > Blades: special tool steel, oil-hardened, interchangeable

Now revised: with fine adjustment!



Article No.	EAN 4003773-	↔ mm	⊗	AWG	⚖ g
12 62 180	054573	180	0.2 - 6.0 mm <sup>2</sup>	24 - 10	151
12 62 180 SB	060178	180	0.2 - 6.0 mm <sup>2</sup>	24 - 10	151
12 69 21	060093	1 pair of spare blades for 12 62 180			2
12 69 23	067115	Spare length stop for 12 62 180			2



## Crimping Pliers for Western plugs

For telephone cables and Western plugs: the tried-and-tested pliers now offer even better crimping performance!

- ▶ New: improved opening mechanism, optimised design, less weight
- ▶ Can be used to crimp 4-, 6- and 8-pin Western plugs
- ▶ For cutting and stripping flat, unshielded telephone cables
- > Precise crimping process thanks to parallel crimping
- > Repetitive, high crimping quality due to integral lock (self-releasing mechanism)
- > High transmission of force thanks to lever action for fatigue-reduced working
- > For Western plug type RJ 10 (7.65 mm wide), RJ 11/12 (9.65 mm wide) and RJ 45 (11.68 mm wide)
- > With length cutter and stripping knife for ribbon cables 6 and 12 mm length
- > Head burnished, two-colour dual component handles
- > With additional stripping device for round cables

Article No.	EAN		↔	mm	capacity	g
97 51 12	043188			200	RJ 10/11/12/45	533
97 51 12 SB	044406			200	RJ 10/11/12/45	533

Now revised



97 51 12



One for all: three separate crimping dies enable you to crimp all standard Western plugs

## KNOWLEDGE OF PLIERS

### 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.

### 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. WD-40®) on the polished surfaces and in the joint keeps your pliers in good working order and extends their service life!





## 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- Programm
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

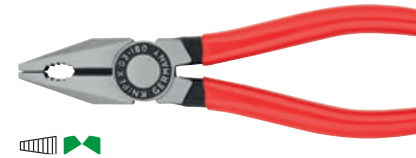
0

Pliers black  
atramentized,  
head polished



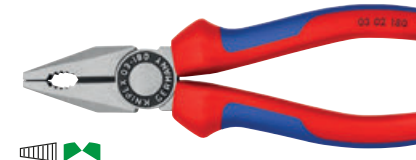
1

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

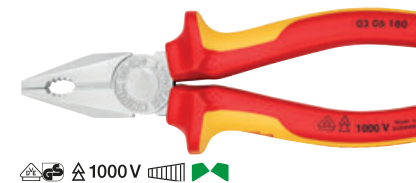
Pliers chrome  
plated, handles with  
multicomponent  
grips



6

Pliers chrome plated,  
handles insulated with  
multi-component grips,  
VDE-tested

DIN EN/IEC 60900



7




































































Pliers chrome plated,  
handles with dipped  
insulation, VDE-tested

DIN EN/IEC 60900





# Pictograms

	Packing unit		Trapezoid indent crimp		Internal circlip
<b>SB</b>	Carded pliers		W-crimp		External circlip
<b>BK</b>	Pliers in a blister		F-crimp narrow		Retaining ring, straight
<b>ESD</b> 	Electrostatic discharging, dissipative		Hexagonal crimp		Retaining ring, diagonal
	Insulated according to IEC 60900, usable up to 1000 V AC/1500 V DC		Square crimp		Grip ring
	VDE tested, also in compliance with GPSG (Equipment and Product Safety Act)		Tyco crimp		Flat jaws
	Cu- + Al-multi-conductor cable, solid and multi-stranded		Western crimp		Flat and pointed jaws
	Wire rope		Trapezoidal crimp front		Half-round jaws
	Ribbon cable		Hexagon		Round jaws
	Steel wire armoured cable (SWA)		Hexagonal screw		Angle
	ACSR cable		Slotted screw		Smooth gripping surfaces
	Soft wire		Cross recessed screw		Smooth-serrated gripping surfaces
	Medium hard wire		PlusMinus cross recessed screw		Knurled gripping surfaces
	Hard wire		Pozidriv cross recessed screw		Cross-hatched, knurled gripping surfaces
	Piano wire		Torx		Centre cutter
	Square crimp automatic		With driving square 3/8"		Cutting edges with bevel
	Hexagonal crimp automatic		With driving square 1/2"		Cutting edges with small bevel
	Four mandrel crimp		Internal square 3/8"		Cutting edges with very small bevel
	Mandrel crimp		Internal square 1/2"		Cutting edges without bevel
	Trapezoid crimp		Hexagonal socket		For flush cut of soft materials
	Oval crimp		12-point		Mechanically tested in accordance with the Equipment and Product Safety Act
	F-crimp		With opening spring		Conforms to a European directive
	Mandrel crimp narrow		With lead catcher		WEEE marking (Waste Electrical and Electronic Equipment Directive)

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