



**KNIPEX QUALITY – MADE IN GERMANY**



AVAILABLE  
FROM



[www.testinstrumentsolutions.co.uk](http://www.testinstrumentsolutions.co.uk)

## KNIPEX TwinGrip

### FRONT AND SIDE GRIPPING PLIERS

- ▶ Gripping, tightening and loosening screws with worn heads and threads
  - ▶ Unique combination: Front grip and side grip function, box joint, push button adjustment
  - ▶ High-grip front jaw with robust teeth and high gear ratio at the tip of the mouth
- > Very slim pliers: work even in confined spaces, with slim turning zone for fast screwing
- > Optimised geometry of the side jaw design: with locking effect for maximum grip when loosening and tightening
- > Pinch stop reduces the risk of crushed fingers
- > Durable and resilient thanks to robust box joint
- > Small and handy – also suitable for more delicate work
- > Large front and side gripping capacities: for diameters and width across flats 3 – 16 mm
- > Reliable, frontal gripping of flat workpieces up to 6 mm thanks to three-point system
- > Three-way adjustable slip joint with push button adjustment for precise alteration of gripping capacity

Part No.	 Inch	 mm	Adjustment positions
KN 82 01 150 SB	5/8	16.0	3
KN 82 01 200 SB	7/8	22.0	5
KN 82 01 250 SB	1 1/16	27.0	7
KN 82 02 150 SB	5/8	16.0	3
KN 82 02 200 SB	7/8	22.0	5
KN 82 02 250 SB	1 1/16	27.0	7



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

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

## KNIPEX SmartGrip®

### WATER PUMP PLIERS WITH AUTOMATIC ADJUSTMENT

- > Ideal for frequent changeovers to workpieces of different sizes
- > Automatic adjustment per one-hand operation both for right-handed and left-handed use
- > Good access to the workpiece 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



**PATENTED**

Part No.		 Ø Inch	 Ø mm	 mm
KN 85 01 250 SB		1 1/4	32.0	36.0



## Pliers Wrenches

### PLIERS AND A WRENCH IN A SINGLE TOOL

- ▶ Replaces the need for sets of metric and imperial spanners
- ▶ Smooth jaws for damage free installation of plated fittings – working directly on chrome!
- > Great for gripping, holding, pressing and bending workpieces
- > Zero backlash jaw pressure prevents damage to edges of sensitive components
- > Fast adjustment by pushing a button directly on the workpiece
- > No unintentional shift of the gripping jaws and no slipping of the joint
- > Parallel jaws give a more solid grip; its design allows flexible adjustment of all widths up to the specified maximum size
- > The ratchet type principle allows quick and easy tightening and release of all bolted connections
- > High lever transmission for strong gripping power



Part No.		Inch	mm	Adjustment positions
KN 86 01 180 SB		1 1/2	40.0	15
KN 86 01 250 SB		2	52.0	19
KN 86 01 300 SB		2 1/2	68.0	24
KN 86 02 250 SB		2	52.0	19
KN 86 03 125 SB		7/8	23.0	11
KN 86 03 150 SB		1	27.0	14
KN 86 03 180 SB		1 1/2	40.0	15
KN 86 03 250 SB		2	52.0	19
KN 86 03 300 SB		2 1/2	68.0	24
KN 86 03 400		3 3/8	85.0	25
KN 86 06 250 SB		2	52.0	19
KN 86 09 150	Assortment of spare parts Adjustment for 86 XX 150			
KN 86 09 180	Assortment of spare parts Adjustment for 86 XX 180			

KN 86 03 300 SB



Fast adjustment at the touch of a button



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



## Pliers Wrenches XS

### PLIERS AND A WRENCH IN A SINGLE TOOL

- ▶ Optimum accessibility, even in confined spaces: particularly compact design, very slim head
- ▶ One-handed fine adjustment by pushing for the simplest adjustment to different workpiece sizes
- > Enormous gripping capacity with a tool length of only 100 mm; parallel jaw opening grips continuously up to 21 mm width across flats
- > Robust sliding joint offers high stability and resilience
- > Smooth jaws for the gentle assembly of sensitive fittings and parts with delicate surface finishes: can be used directly on chrome due to the smooth full-surface contact

Part No.		Inch	mm	Adjustment positions
KN 86 04 100 BK		3/4	21.0	10



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

# KNIPEX Cobra®

## HIGHTECH WATER PUMP PLIERS

- ▶ Push the button for adjustment on the workpiece
- ▶ Fine adjustment for optimum adaptation to different sizes of workpieces and a comfortable handle width
- > Self-clamping on pipes and nuts: no slipping on the workpiece, effortless working
- > Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping
- > Box-joint design for high stability due to double guide
- > Reliable catching of the hinge bolt: no unintentional shifting
- > Pinch guard prevents operators' fingers being pinched

### KNIPEX COBRA® – THE HIGH-TECH WATER PUMP PLIERS

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



Part No.	∅ Inch	∅ mm	mm	Adjustment positions
KN 87 01 125 SB	1	30	27	13
KN 87 01 150 SB	1 1/4	30	32	11
KN 87 01 180 SB	1 1/2	42	36	18
KN 87 01 250 SB	2	50	46	25
KN 87 01 300 SB	2 3/4	70	60	30
KN 87 01 400 SB	3 1/2	90	95	27
KN 87 02 250 SB	2	50	46	25
KN 87 09 01	Assortment of spare parts for adjustment for 86/87 XX 250/300 (without 87 2X XXX)			
KN 87 09 100	Spare parts set for 87 0X 100			
KN 87 09 125	Assortment of spare parts for adjustment for 86/87 125			
KN 87 09 150	Assortment of spare parts for adjustment for 87 150			
KN 87 09 180	Assortment of spare parts for adjustment for 87 180			
KN 87 09 400	Assortment of spare parts for adjustment for 87 400			

## 3 pairs of plastic jaws

- ▶ Ideal for protecting round workpieces from marring or scratching
- > The protective jaws prevent damage by covering all of the teeth on the tool
- > Easily and reliably fitted to the gripping jaws and firmly holds in place
- > Smooth gripping surfaces (no teeth)



Part No.	Description
KN 87 09 180 V01	3 pairs of plastic jaws for all 87 XX 180 models (models from 2010)
KN 87 09 250 V01	3 pairs of plastic jaws for all 87 XX 250 models (models from 2007)
KN 87 09 300 V01	3 pairs of plastic jaws for all 87 XX 300 models (models from 2008)



Fine adjustment by pushing a button: fast and comfortable

## KNIPEX Cobra® VDE $\Delta$ 1000V HIGH-TECH WATER PUMP PLIERS, INSULATED

- > Adjustment by sliding one jaw directly on to the workpiece: fast, reliable and comfortable handling
- > Fine adjustment: allows optimum adjustment to differently sized workpieces and comfortable handle position
- > Good access to the workpiece due to slim size of head and joint area
- > Self-clamping on pipes and nuts: no slipping on the workpiece, effortless working



Part No.	∅ Inch	∅ mm	mm	Adjustment positions
KN 87 26 250 SB	2	50	46	24

## KNIPEX Cobra® XS

### WATER PUMP PLIERS

- ▶ Optimum accessibility, even in confined spaces: particularly compact design, very slim head
- ▶ One-handed fine adjustment by pushing for the simplest adjustment to different workpiece sizes
- > Gripping capacity Ø 28 mm, width across flats up to 24 mm – at only 100 mm length
- > Box joint: high quality and durability provided by dual guide
- > Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping



Part No.	Ø Inch	Ø mm	mm	Adjustment positions
KN 87 00 100 BK	1	28	24	11

## KNIPEX Cobra® XXL

### PIPE WRENCH AND WATER PUMP PLIERS

- > Greater gripping capacity but much lower weight than comparable pipe wrenches
- > Fast push-button adjustment directly on the workpiece, no unintentional slipping of the joint
- > Fine adjustment for optimum adaptation to different sizes of workpieces and a comfortable handle width
- > Self-clamping on pipes and nuts: no slipping on the workpiece, effortless working
- > Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping
- > Box-joint design for high stability due to double guide
- > Pinch guard prevents operators' fingers being pinched

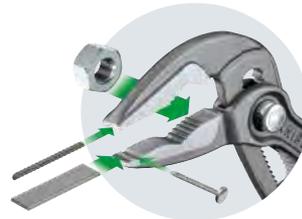


Part No.	Ø Inch	Ø mm	mm	Adjustment positions
KN 87 01 560	4 1/2	115	120	20

## KNIPEX Cobra® ES

### SPECIAL GRIPPING PLIERS FOR CONFINED SPACES: WITH MORE FUNCTIONS AND A NEW 180 MM SIZE

- ▶ Particularly good access to the workpiece due to very slim construction of head and joint area
- ▶ Long, narrow jaws with front gripping serration: longitudinal gripping profile for round parts such as screws and bolts
- ▶ Ideal for service, maintenance and equipment repair, in automotive and general industry
- > Gripping capacity Ø 28 mm, width across flats up to 24 mm – at only 100 mm length
- > Box joint: high quality and durability provided by dual guide
- > Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping



KN 87 51 180 SB



Part No.	Ø mm	Ø inch	mm	inch	max. parallel opening width mm	max. gripping depth mm	Adjustment positions
KN 87 51 180 SB	32	1 1/4	32	1 1/4	30	37	18
KN 87 51 250 SB	40	1 1/2	36	1 3/8	37	45	25

## KNIPEX Alligator®

⚡ 1000 V

### WATER PUMP PLIERS

- ▶ Good access to the workpiece due to slim size of head and joint area
- ▶ More output and comfort compared to conventional water pump pliers of the same length: 9-notch adjustment positioning for 30% more gripping capacity
- > Self-clamping on pipes and nuts: no slipping on the workpiece, effortless working
- > Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping
- > Box-joint design for high stability due to double guide
- > Robust construction, insensitive to dirt; particularly suitable for outdoor work
- > Pinch guard prevents operators' fingers being pinched

Part No.	∅ Inch	∅ mm	mm	Adjustment positions
KN 88 06 250 SB	2	50.0	46.0	9

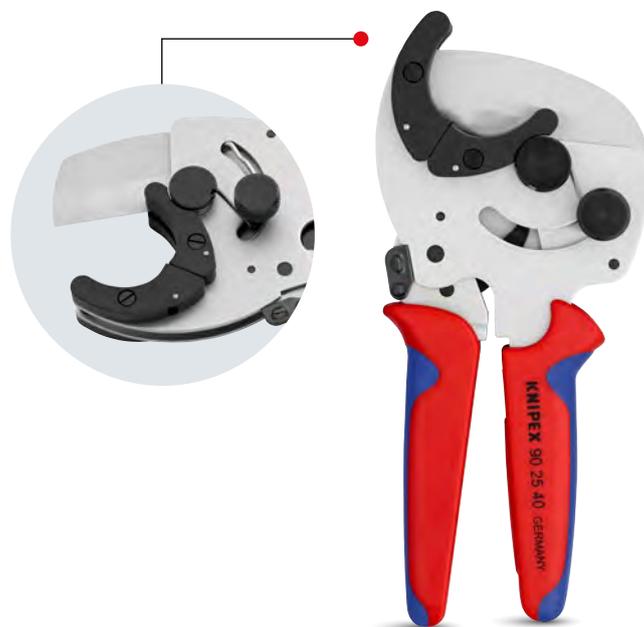


## Pipe Cutter

### FOR COMPOSITE AND PLASTIC PIPES

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

Part No.	Cutting capacities ∅ mm	Blade length mm
KN 90 25 40	40	40



## KNIPEX PlastiCut®

### CUTTER FOR FLEXIBLE HOSES AND PLASTIC CONDUIT PIPES

- ▶ For cutting thin-walled plastic pipe (such as plastic protective outer pipe) and plastic and rubber hose, including fabric-reinforced, up to 25 mm outer diameter
- > Exchangeable blade
- > With opening spring and locking device
- > Ergonomically shaped handles made of glass fibre reinforced plastic
- > Not suitable for cutting cables

Part No.	Cutting capacities ∅ mm
KN 90 20 185 SB	25
KN 90 29 185	Spare blade for 90 20 185



## KNIPEX TwistCut®

### CORRUGATED PIPE CUTTER

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



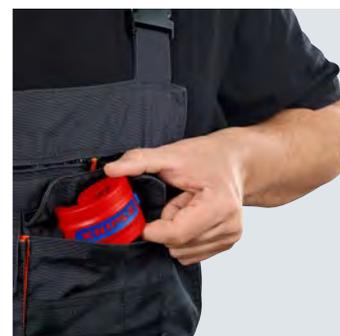
Part No.	Cutting capacities Ø mm
KN 90 22 01 SB	13–32



## KNIPEX BiX

### CUTTERS FOR PLASTIC PIPES AND SEALING SLEEVES

- ▶ Clever pipe cutter: Cuts pipes without shavings and fits comfortably in the hand
- ▶ Can cut high-temperature plastic drain pipes and electrical conduits in next to no time
- ▶ Can be used to cut sealing sleeves during final assembly – close to the wall, standard-compliant
- > Cuts unreinforced plastic pipes from Ø 20 to 56 mm with a wall thickness of up to 2.4 mm
- > Cuts soft plastic pipes and those with foam cores from Ø 20 to 56 mm with a wall thicknesses of up to 3.5 mm
- > Cuts sealing sleeves approx. 2–3 mm from the wall
- > Cuts pipes quickly, cleanly and without shavings
- > Rotatable knife block for cutting plastic pipes (blade in the middle) and sealing sleeves (blade outside)
- > With locking mechanism for safe transport
- > Two spare blades integrated in the tool



Part No.	Cutting values for HT and plastic pipes Ø mm	Cutting values for sealing sleeve Ø mm
KN 90 22 10 BK	20 – 56	20 – 56
KN 90 22 10 E01	Set with 8 spare blades for 90 22 10 BK	

## KNIPEX DP50

### PIPE CUTTER FOR PLASTIC DRAIN PIPES

- ▶ Cut and chamfer all common domestic plastic drain pipes up to Ø 50 mm in a single operation
- ▶ Reversible high-quality ball-bearing steel blade, can be easily replaced
- ▶ Clean cut: no readjusting or deburring required, reducing potential blockages or damages of the seals
- > Cuts high temperature and other plastic pipes with Ø 32, 40 or 50 mm and wall thicknesses up to 2.4 mm
- > Optimum pipe guidance and easy cutting due to self-adjusting rollers with plain bearings
- > Easy positioning due to clear view of cutting point



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



Squeeze the blue lever to position the blade against the pipe

Part No.	Cutting capacities Ø mm
KN 90 23 01 BK	32/40/50

## KNIPEX TubiX®

### PIPE CUTTER FOR THE MOST COMMON PIPES PLUS SWA CABLE

- ▶ Cuts pipes with Ø 6–35 mm (1/4–1 3/8")
- ▶ Removable, precision-ground deburring tool
- ▶ For plumbing, heating and air conditioning: easily cut gas and water pipes made of copper, brass and stainless steel
- ▶ For the electrical trade: cuts rigid steel conduits and strips steel wire armoured cables
- ▶ QuickLock locking mechanism: independent holding and clamping on the tube / SWA cable
- ▶ Comfortable: easy cutting due to high-quality needle bearings in the spring-loaded cutting wheel and guide rolls
- > Precise and quick: easy positioning of the cutting wheel on the pipe / SWA cable
- > Cuts pipes with wall thickness up to 2 mm
- > Quick replacement of the cutting wheel without any tools – spare cutting wheel stored in the handle



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



Spare cutting wheel stored in the handle – quick replacement without any tools



Part No.	Cutting capacities Ø Inch	Cutting capacities Ø mm
KN 90 31 02 SB	1/4 – 1 3/8	6 – 35
KN 90 39 02 V03	5 x Cutting wheel for stainless steel and copper	



For more detail, scan to view SWA stripping demonstration



## SWA CABLE STRIPPING INSTRUCTIONS



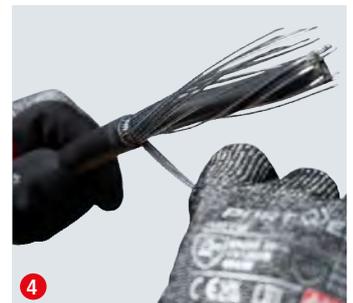
1 Position tool and set blade using QuickLock function ...



2 Score armour by rotating TubiX® clockwise and anti-clockwise ...



3 Remove outer sheath using safety knife ...



4 Break the armoured strands. You are left with a smooth, clean SWA strip with no jagged strands.

## KNIPEX StepCut®

⚡ 1000V

### CABLE SHEARS WITH STEP CUT

- ▶ 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 size
- > 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 5 x 4 mm<sup>2</sup>
- > Cuts without crushing

Part No.	Ø mm	mm <sup>2</sup>	AWG
KN 95 16 160 SB	15	50	1 / 0



## KNIPEX StepCut® XL

⚡ 1000V

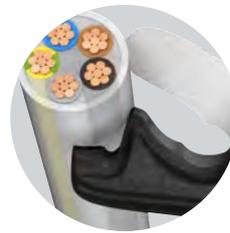
### CABLE SHEARS WITH STEP CUT

- ▶ Large cutting capacity: cuts solid copper or aluminium cables up to 35 mm<sup>2</sup>, stranded cables up to 70 mm<sup>2</sup> and fine stranded cables up to 120 mm<sup>2</sup>
- ▶ Dual cutting areas: Stepped cutting edge holds small and larger cables close to the joint during the cut; the front cutting edge cuts very large cables step by step

- > High-leverage joint, long handles and optimised cutting edges: noticeably easier cutting than with compact cable shears
- > Easy one- or two-handed operation with minimum handle opening for large cable diameters
- > Adjustable, high-leverage bolted joint provides precise and smooth cutting
- > Pinch guard prevents operators' fingers being pinched
- > Cutting edges additionally laser-hardened, cutting edge hardness approx. 56 HRC



Slim head for easier accessibility



Front cutting edge for cutting large cables step by step with ergonomic handle width

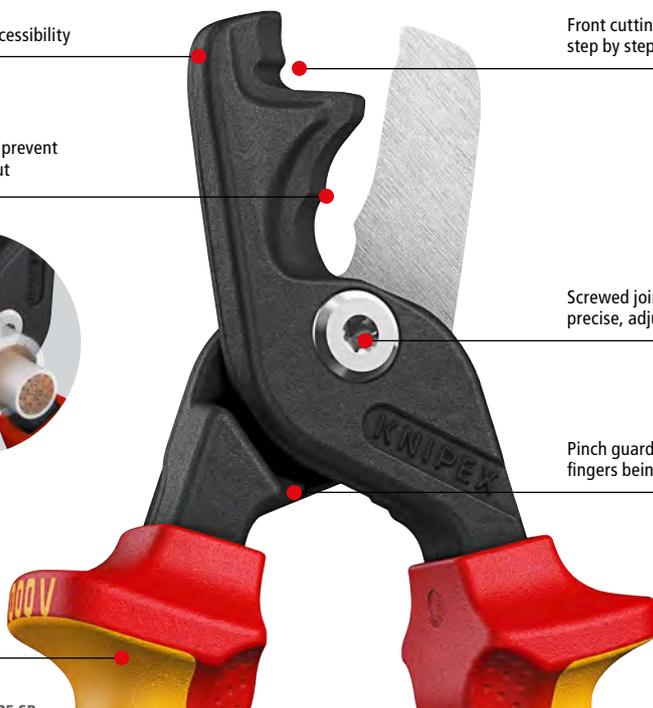
Stepped cutting edges prevent cables from slipping out



Handle shape allows gripping close to the joint and with one hand

Screwed joint: smooth-running, precise, adjustable

Pinch guard prevents operators' fingers being pinched



KN 95 18 225 SB

Part No.	Ø mm	mm <sup>2</sup>	AWG
KN 95 11 225 SB	23.0	70	2 / 0
KN 95 18 225 SB	23.0	70	2 / 0

## Cable Shears

⚡ 1000 V

- ▶ Clean and smooth cut without crushing and deformation
- ▶ Easy cutting with one-hand operation
- ▶ Adjustable bolted joint, self-retaining screw
- > Cuts multi-core stranded copper and aluminium cables up to Ø 15 mm (50 mm<sup>2</sup>)
- > Not suitable for steel wire and hard drawn copper conductors
- > Precision-ground, hardened blades
- > With guard

Part No.	Ø mm	mm <sup>2</sup>	AWG
KN 95 11 165 SB	15.0	50	1/0
KN 95 16 165 SB	15.0	50	1/0
KN 95 26 165 SB	15.0	50	1/0



## Cable Shears

⚡ 1000 V

### WITH TWIN CUTTING EDGE

- > For cutting copper and aluminium cables
- > Not suitable for steel wire and hard drawn copper conductors
- > Precision-ground, hardened blades
- > Clean and smooth cut without crushing and deformation



Part No.	Ø mm	mm <sup>2</sup>	AWG
KN 95 11 200 SB	20.0	70	2/0
KN 95 16 200 SB	20.0	70	2/0



## Cable Cutters

⚡ 1000 V

### (RATCHET ACTION)

- > For cutting copper and aluminium single conductors as well as multiple stranded cables
- > Not suitable for steel wire and wire ropes
- > Precision-ground, hardened blades
- > Clean and smooth cut without crushing and deformation



Part No.	Ø mm	mm <sup>2</sup>	MCM
KN 95 36 250	32.0	240	500
KN 95 36 280	52.0	380	750



## Cable Cutters

⚡ 1000V

### (RATCHET ACTION) FOR STEEL WIRE ARMOURED CABLES (SWA CABLE)

- ▶ Sturdy. Easy to use. Stable.
- ▶ Innovative three-stage ratchet-drive with high leverage for easy cutting in one-hand and two-hand operation
- ▶ Simple handling as a result of low weight and compact design – can be used even in confined areas
- ▶ Pinch guard prevents operators' fingers being pinched
- ▶ For cables with single and multi-wire conductors (conductor classes 1 & 2 according to DIN EN 60228, VDE 0295, IEC 60228)

Part No.	Ø mm	mm <sup>2</sup>	MCM
KN 95 36 315 A	45.0	380	750



## Wire Rope Cutter

### FORGED

- > 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

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

Part No.	Ø mm	Ø mm	Ø mm	mm <sup>2</sup>
KN 95 61 190 SB	10	5.0	4.0	2.5



## KNIPEX CoBolt

### COMPACT BOLT CUTTERS

- ▶ With precision cutting edges for soft, hard and piano wire
- ▶ Cuts bolts, nails, rivets, etc. up to Ø 5.2 mm
- > Efficient joint design ensures exceptional cutting performance with little effort
- > With recess for easier cutting of thicker wires
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Opening spring and locking device are integrated in the handles for comfortable work and safe transport
- > With gripping surface below the joint for gripping and pulling wires from Ø 1.0 mm

Part No.	Ø mm	Ø mm	Ø mm	Ø mm
KN 71 32 200 SB	6.0	5.2	4.0	3.6



## Electricians' Shears

- ▶ Precisely ground blades with fine serration for a clean, non-slip cut
- ▶ Cutting edge with integrated cable cutter
- > With plastic belt pouch
- > Handles with multi-component grips, fibreglass-reinforced
- > Cutting edges made from stainless steel, hardness of cutting edges 56 HRC



Part No.

**KN 95 05 155 SB**

## Angled Electricians' Shears

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



Part No.

**KN 95 05 20 SB**

Angled Electricians' Shears

**KN 00 19 75 LE**

Multi-purpose belt pouch

## Diagonal Cutters for plastics

- > Cutting face flush
- > For nearly flush cutting of moulded plastic components from sprues
- > Cuts soft materials such as lead in a flush cut
- > With opening spring



Part No.

**KN 72 01 160 SB**

## Electricians' Pliers

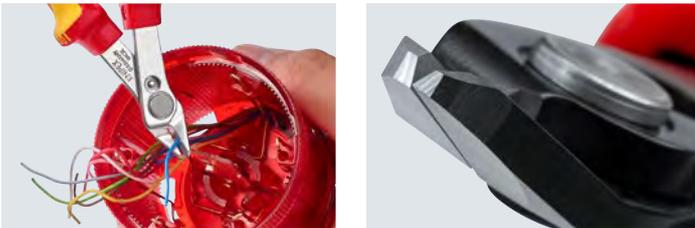
- ▶ The ideal pliers for cable work
- ▶ Suitable for cutting, bending, gripping, crimping and stripping
- > For gripping and bending wire
- > For cutting medium hard and hard wire
- > Precision cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC
- > With precision stripping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



Part No.	Ø mm	Ø mm
KN 13 01 160 SB	2.5	1.6

## Electronic Super Knips

- > Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
- > Ground, very sharp cutting edges without bevel
- > Precision shaped tips cut wires flush to a surface from Ø 0.2 mm
- > Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life



Part No.	Ø mm	Ø mm
KN 78 06 125 SB	0.2–1.6	1.0
KN 78 61 140 SB	0.2–2.1	1.4



KN 78 06 125 SB

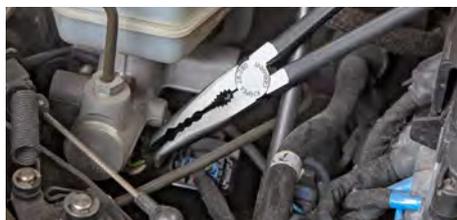
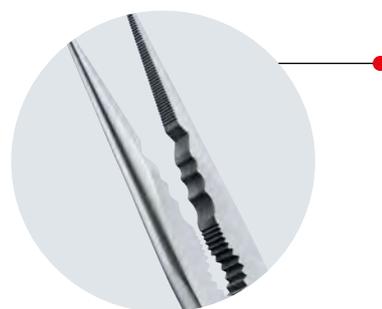
**1000V**

KN 78 61 140 SB  
Electronic Super Knips XL

## Long Reach Needle Nose Pliers

### WITH TRANSVERSE PROFILES

- ▶ For gripping, adjustment and assembly work in hard to reach areas thanks to slim, very long design
- > Careful yet reliable gripping, holding and guiding of small copper pipes, screws and cables as well as other round parts 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



Part No.
KN 28 71 280 SB
KN 28 81 280 SB

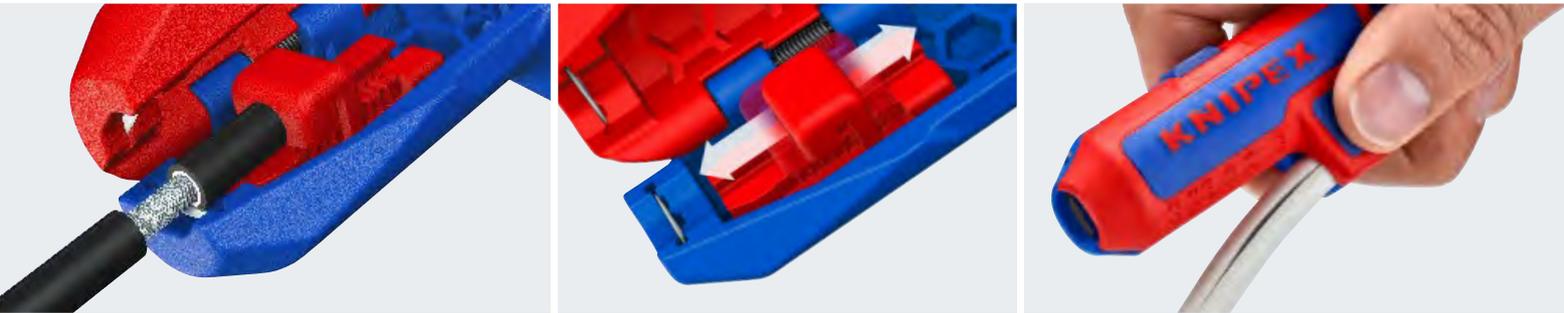
KN 28 71 280 SB

KN 28 81 280 SB



# KNIPEX ErgoStrip® PV

## FAST AND PRECISE CABLE SKINNING AND STRIPPING FOR PHOTOVOLTAIC PROFESSIONALS



► For fast and precise stripping of solar cables with 4 and 6 mm<sup>2</sup> (e. g. H1Z2Z2-K) and all common round and damp-proof installation cables (e.g. NYM cable 3 x 1.5 mm<sup>2</sup> up to 5 x 2.5 mm<sup>2</sup>)

► Length stop for PV cables: adjustable from 6–18 mm for repetitive stripping lengths, suitable for all standard solar connectors

► Innovative, ergonomic pistol grip design for easy cutting, stripping and longitudinal cut of the sheath

Wire stripping mechanism for PVC single conductors (e. g. H07V-K) with cross sections 0.2/0.3/0.8/1.5/2.5/4 mm<sup>2</sup>



Multi-component design with a soft plastic zone for comfortable use and a secure grip



Conical, slimmed down tool ends for better access in confined areas



Convenient insertion of PV cables thanks to opening aid



With opening spring and locking device



### ALSO AVAILABLE IN THE NEW PV INSTALLATION SET



KN 00 31 31 V01 SB

Contents: KNIPEX ErgoStrip® PV stripping tool (16 95 03 SB) and KNIPEX PreciForce crimping pliers (97 52 42) for MC4® and MC4® Evo 2

Part No.		Stripping capacity round cable mm	Stripping capacity solar cable mm <sup>2</sup>	Stripping capacity conductors and strands mm <sup>2</sup>
KN 16 95 03 SB		Ø 8.0–13.0	4/6	0.2–4.0

# KNIPEX ErgoStrip®

## UNIVERSAL STRIPPING TOOL

- > For fast and precise stripping of all common round and damp-proof installation cables (e.g. NYM cable 3 x 1.5 mm<sup>2</sup> up to 5 x 2,5 mm<sup>2</sup>), data cables (e.g. twisted pair) and coax cables
- > Innovative, ergonomic pistol grip design for easy cutting, stripping and longitudinal cut of the sheath
- > Conical, slimmed down tool ends for better access in confined areas
- > Stripping device for cross-sections 0.2/0.3/0.8/1.5/2.5/4 mm<sup>2</sup>
- > Simplified insertion of single wires for stripping using location ridges



KN 16 95 01 SB



KN 16 95 02 SB



PATENTED

Part No.	Stripping capacity round cable Ø mm	Stripping capacity conductors and strands mm <sup>2</sup>	Stripping capacity data cable	Stripping capacity coaxial cable Ø mm
KN 16 95 01 SB	8.0–13.0	0.2–4.0	CAT 5–7, Twisted Pair (UTP/STP)	4.8–7.5
KN 16 95 02 SB	8.0–13.0	0.2–4.0	CAT 5–7, Twisted Pair (UTP/STP)	4.8–7.5

## Stripping Tool

### FOR SPIRAL CUTTING

- > For dismantling round cable sheaths made of PVC, rubber, silicone or PTFE from 6.0 – 29.0 mm dia.
- > Self-tightening holding lever
- > With knurled nut for cutting depth adjustment
- > Changing from circular to longitudinal cutting by turning the tool body



Part No.	Stripping capacities Ø mm
KN 16 30 135 SB	6–29
KN 16 39 135	Spare blade for 16 30 135 SB / 16 30 145 SB

## Stripping Tool

### FOR FLAT AND ROUND CABLES

- > For flat cables up to 12 mm in width
- > For stripping all common round and damp-proof installation cables Ø 4.0 to 13.0 mm (e.g. NYM cable 3 x 1.5 mm<sup>2</sup> up to 5 x 2.5 mm<sup>2</sup>)
- > Stripping device for cross-sections 0.8/1.5/2.5 mm<sup>2</sup> (AWG 20/16/14)
- > With opening spring and locking device



Part No.	Stripping capacities Ø mm	mm <sup>2</sup>	Types of cables
KN 16 64 125 SB	4–13	0.8–2.5	flat cable 12 mm / round cable Ø 4–13 mm

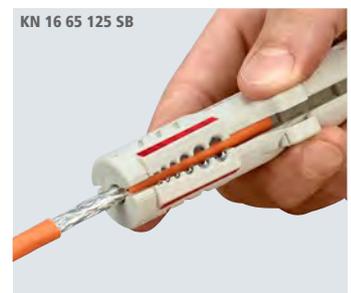
## Stripping Tool

### FOR DATA CABLE

- > For stripping UTP and STP data cables with Ø 4.5 to 10.0 mm
- > Stripping device for cross-sections 0.2/0.3/0.8/1.5/2.5/4 mm<sup>2</sup>
- > Double shell, folding back stripping tool
- > With opening spring and locking device
- > Practical clip for easy transport



Part No.	Stripping capacities Ø mm	mm <sup>2</sup>	Types of cables
KN 16 65 125 SB	4.5–10.0	0.2–4.0	CAT 5, CAT 6, CAT 7, Twisted Pair (UTP/STP)





# KNIPEX EvoStrip

## NOW EVEN BETTER: FASTER, MORE PRECISE AND MORE CONVENIENT AUTOMATIC STRIPPING

- ▶ Particularly easy stripping in the large capacity range from 0.03 to 10 mm<sup>2</sup> cuts cables up to 10 mm<sup>2</sup>
- ▶ No damage to the conductors due to automatic adaptation to different conductor cross-sections

**High-quality, wear-resistant stripping blades** and glass fibre reinforced plastic ensure long-lasting performance. Blades can be replaced quickly and cost-effectively when worn

**Versatile application** due to generous stripping range of 5–22 mm and up to 25 mm without length stop



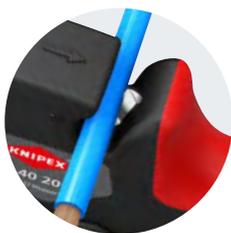
**Adjustable setting wheel in fine increments:** The adjustable cutting depth allows the pliers to master even the most demanding insulation jobs – even under extreme temperature conditions

Raised, **non-slip handle collar** in front of the cable cutter provides reliable grip

**Smooth-running mechanism** guarantees long-term performance, comfortable working due to low noise levels

**MODERN DESIGN – OPTIMISED APPLICATION TECHNOLOGY**

**Top-mounted cable cutter for copper and aluminium conductors** offers maximum visibility: Embossed, visible and tangible arrow always shows the exact cutting position, clean cuts due to optimised cutting edge geometry for finely stranded conductors up to 10 mm<sup>2</sup>, solid conductors up to 6 mm<sup>2</sup>



**With integrated tether attachment point in the handle:** For reliable tool protection when working at height, ANSI-compliant and compatible with KNIPEX Tethered Tools tethering system

Part No.		Stripping capacities mm <sup>2</sup>	AWG
KN 12 40 200		0.03–10.0	32–8

## KNIPEX PreciStrip16

### AUTOMATIC INSULATION STRIPPER

- > Simple, precise stripping of fine wires and solid round cables with a wide capacity range from 0.08 to 16 mm<sup>2</sup> with only one pair of pliers
- > Good grip provided by semi-circular grooved metal holding clamps and exact cut from parabolic stripping blade
- > A patented automatism regulates the depth of the cut; the neutral point of the automatism can be adjusted in fine steps in special operating conditions (insulation material, temperature)



Part No.	mm <sup>2</sup>	AWG
KN 12 52 195 SB	0.08 – 16	28 – 6

## KNIPEX ComStrip

### THE COMPACT WIRE STRIPPER FOR BEGINNERS AND PROFESSIONALS

- ▶ **Perfect entry-level model:** Strips solid, multi-stranded and finely stranded conductors from 0.2 to 6 mm<sup>2</sup> with standard insulation without any need for manual adjustment
- ▶ Fine adjustment **enables precise setting of the cutting depth** for special materials or temperature conditions
- ▶ **With cable cutter** for solid conductors up to 2.5 mm<sup>2</sup>, extended cutting capacity for finely stranded conductors up to 6 mm<sup>2</sup>

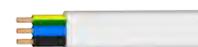


Part No.		Stripping capacities mm <sup>2</sup>	AWG
KN 12 62 180		0.2 – 6.0	24 – 10
KN 12 69 21	1 pair of spare blades for 12 62 180		

## Automatic Insulation Stripper

### FOR FLAT CABLE

- ▶ For stripping PVC-insulated flat cables up to max. 12 mm wide
- ▶ Automatic adaptation to cables from 0.75 mm<sup>2</sup> to 2.5 mm<sup>2</sup>, therefore no damage to the conductors
- ▶ Quick blade change when worn due to maintenance-friendly blade unit
- > Suitable for e.g. Twin & Earth or NM-B cables
- > Cable can be pushed through, therefore also suitable for long stripping distances
- > Low-effort work and maximum transmission of force due to ergonomic two-component handle with soft grip zone
- > Effort-saving due to smooth-running mechanism
- > Robust and lightweight due to tool body made of glass fibre reinforced plastic
- > Body: glass fibre reinforced plastic
- > Blade: special tool steel, oil-hardened



0.75–2.5 mm<sup>2</sup>  
max. 12 mm width

Part No.	Stripping capacities mm <sup>2</sup>	AWG
KN 12 64 180	0.75–2.5	18–14
KN 12 64 180 E01	Set of spare blades for 12 64 180 (models from 2025)	

## Precision Insulation Strippers

### WITH ADAPTED BLADES

- > Form-fit stripping of difficult-to-remove insulating materials made of PTFE, silicone, Radox®, Kapton® and rubber; multi-layer too
- > With additional cable support for a better centring of multi-layer insulated conductors in the stripping profiles
- > A second pair of blades holds the remaining insulation reliably in place
- > Replaceable shaped blade adapted precisely to the respective conductor cross-section
- > With length stop for constant stripping length during repetitive work
- > Blade: special tool steel, oil-hardened
- > Pliers body: steel



Part No.	Stripping capacities mm <sup>2</sup>
KN 12 12 12	4/6/10

# KNIPEX NexStrip®

## MULTI-TOOL FOR ELECTRICIANS

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



The fine adjustment feature allows reliable stripping in all operating conditions like extreme temperatures or special insulating material

The ratchet crimping mechanism ensures the correct crimping pressure



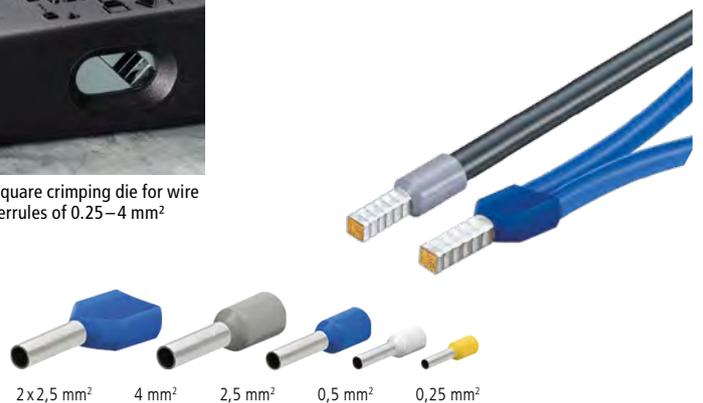
With cable cutter for conductors up to 10 mm<sup>2</sup>



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



Square crimping die for wire ferrules of 0.25–4 mm<sup>2</sup>

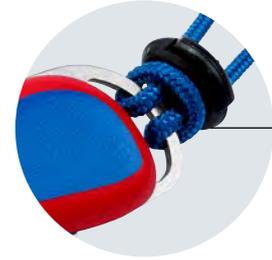


2 x 2,5 mm<sup>2</sup>    4 mm<sup>2</sup>    2,5 mm<sup>2</sup>    0,5 mm<sup>2</sup>    0,25 mm<sup>2</sup>

Part No.	Application	Capacity mm <sup>2</sup>	AWG
KN 12 72 190	Cutting	Cutting up to 10	8
	Stripping	Stripping from 0.03 to 10	
	Square compression	Crimping of single wire ferrules from 0.25 to 4 Crimping of twin wire ferrules 2 x 2,5	32–8

## Folding Knife for Electricians

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



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

**Part No.**  
**KN 16 20 50 SB**

## Stripping Knife

### WITH GUIDE SHOE AND RATCHET FUNCTION

- ▶ Ratchet function: easy cutting even for a variety of cable sheaths
- ▶ Versatile blade with three cutting areas for round and lengthwise cuts
- ▶ Guide shoe protects the conductor insulation under the cable sheath
- > Cuts very hard or tough plastic sheaths up to 7 mm wall thickness
- > Sickle-shaped, replaceable hook blade can be folded for safe transport
- > Blade with four positions: folded, straight, angled and ratcheting
- > Three-stage blade lock for safe handling and transport
- > Ergonomically designed, comfortable handle
- > Integrated tether attachment point for use with KNIPEX Tethered Tool System



For pushing or pulling: two blade segments for lengthwise cutting



Third blade segment for round cutting

Ratchet function enables stripping with more comfort and less effort



Three-stage blade lock with:  
Safety lock, Safety slider,  
Safety push button

Thumb rest for required pressure  
when cutting lengthways

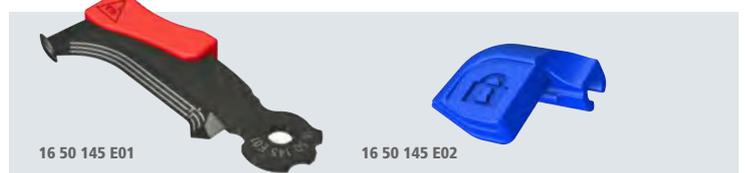
Guide shoe

Tether attachment point  
can be used with KNIPEX  
Tethered Tools System

#### Four grid positions

- ① Transport position
- ② Cutting position for small diameter circumferential cut
- ③ Cutting position for circumferential/longitudinal cut
- ④ Cutting position for longitudinal cut with ratchet

Part No.	Tool
KN 16 50 145 SB	Housing: glass fibre reinforced plastic/soft plastic
KN 16 50 145 E01	Spare blade with glide shoe
KN 16 50 145 E02	Locking the blade lock



# KNIPEX CutiX®

## UNIVERSAL KNIFE

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



No accidental loss of adjustment due to flat sliders fitted in the housing

**Part No.**

KN 90 10 165 BK

KN 90 10 165 E02 Spare blade for 90 10 165 BK (10x)

## Cable Knife

⚡ 1000V

### UNIVERSAL KNIFE

- > Ergonomically designed handle shape with comfortable slip guard
- > Particularly confident grip thanks to slip-proof soft components
- > Thumb recess and "finger hook" at the end of the handle ensure a good transmission of force when the blade is pulled
- > Solid, fixed straight blade
- > Transparent protective cap



**Part No.**

**Blade length mm**

KN 98 52 SB

50

KN 98 54 SB

50

## Stripping Knife

⚡ 1000V

### WITH GUIDE SHOE

- > Ergonomically designed handle shape with comfortable slip guard
- > Particularly confident grip thanks to slip-proof soft components
- > Thumb recess and "finger hook" at the end of the handle ensure a good transmission of force when the blade is pulled
- > Transparent protective cap
- > Solid, fixed hook blade, sickle shaped



**Part No.**

**Blade length mm**

**Radius mm**

KN 98 55 SB

38

23.5



# KNIPEX MultiCrimp PV

## THE CUSTOMIZABLE CRIMPING PLIERS FOR MC4®, MC4® EVO 2 AND MANY OTHER CONNECTORS

- ▶ Universal, high-performance crimping pliers of professional quality for photovoltaic systems
- ▶ Just one tool with three crimping dies for MC4®/MC4® Evo 2, uninsulated cable connectors and wire ferrules
- ▶ Quick and easy change of crimping dies without additional tools

For PV cables, earthing conductors and cabling to the meter cabinet

**Crimping die 97 39 13:** Crimps connections of e.g. earthing cables\* – with crimping die 97 39 13 for uninsulated cable connectors in 0.5–10 mm<sup>2</sup>

**Crimping die 97 39 08:** Crimps conductors from the inverter to the meter cabinet – with crimping die 97 39 08 for insulated and uninsulated wire ferrules in 0.25–6 mm<sup>2</sup>

**Crimping die 97 39 42:** Crimps connectors for PV conductors – with crimping die 97 39 42 for MC4® and MC4® Evo 2 connectors in 4 and 6 mm<sup>2</sup>

Consistently high crimping quality due to precision dies and ratchet mechanism (unlockable)

With practical belt clip



Customizable with optional crimping dies 97 39 05/06/09



97 39 42



97 33 03

Part No.	EAN 4003773-	Head	Handles	Application	Capacity mm <sup>2</sup>	AWG
97 33 03	092599	burnished	with multi-component handles	  MC4®/MC4® Evo 2	4/6	12/10
				  wire ferrules		
				  non-insulated terminals		
97 33 LE	092643	burnished	with multi-component handles	KNIPEX MultiCrimp including empty magazine		
97 39 42	092582	Crimping die for MC4® and MC4® Evo 2 connectors in 4 and 6 mm <sup>2</sup>				
97 39 08	070092	Crimping die for insulated + uninsulated wire end ferrules from 0.25 to 6 mm <sup>2</sup>				
97 39 13	070108	Crimping die for uninsulated cable connectors from 0.5 to 10 mm <sup>2</sup>				

# KNIPEX MultiCrimp

## CRIMPING PLIERS WITH CHANGER MAGAZINE

- ▶ Just one tool to cover standard crimping applications
- ▶ Quick and easy change of crimping dies without additional tools
- > Safe, protected storage for interchangeable inserts in a rotary magazine
- > Comfortable, powerful crimping pliers in professional quality
- > Same reliable crimping results as with fixed crimping dies



KN 97 33 02

The space, cost and weight-saving crimping tool for installation and repair work. Now professionals only need one tool instead of five as before.

Part No.		Application	Capacity mm <sup>2</sup>	AWG	
KN 97 33 01		non-insulated, open flat plug connector (plug width 4.8 + 6.3 mm)	0.5–6	20–10	
		insulated connectors	0.5–6	20–10	
		non-insulated terminals	0.25–6	24–10	
KN 97 33 02		non-insulated, open flat plug connector (plug width 4.8 + 6.3 mm)	0.5–6	20–10	
		insulated connectors	0.5–6	20–10	
		Wire ferrules	0.25–6 10/16/25	24–10 8/6/4	
		non-insulated terminals	0.5–10	20–8	
KN 97 39 05	Die set, for non-insulated open plug type connectors (plug width 4.8 + 6.3 mm)		non-insulated, open flat plug connector (plug width 4.8 + 6.3 mm)	0.5–6	20–10
KN 97 39 06	Die set, for insulated cable connectors		insulated connectors	0.5–6	20–10
KN 97 39 09	Die set, for insulated and non-insulated wire ferrules 10/16/25 mm <sup>2</sup>		Wire ferrules	10/16/25	8/6/4

## Crimping Pliers

- > 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



Part No.		Capacity mm <sup>2</sup>	AWG
KN 97 22 240 SB		0.5–6	20–10
		0.5–2.5	20–14

## Crimping Pliers for Western plugs

- ▶ For data cables in telecommunication and networks
- ▶ For compression of 6- and 8-pole Western plugs type RJ 11/12 and type RJ 45
- ▶ Long design with length cutter and stripping knife for unshielded ribbon telephone cables
- > Quick cutting and stripping of CAT-cables with high-quality blades
- > Precise crimping process thanks to parallel crimping
- > Repetitive, high crimping quality due to ratchet mechanism (unlockable)
- > Force magnified by lever action to ensure fatigue-free working



Part No.	Capacity
KN 97 51 10 SB	RJ 11/12 (6-poles) 9.65 mm RJ 45 (8-poles) 11.68 mm

## Crimp System Pliers

### FOR EXCHANGEABLE CRIMPING DIES

- ▶ Only one tool for almost 1000 crimping applications: usable with all crimping dies and locators 97 49 X X
- ▶ Almost parallel crimping motion
- > Consistently high crimping quality due to precision dies and ratchet mechanism (unlockable)
- > Crimping pressure has been set precisely (calibrated) in the factory and can be adjusted
- > Force magnified by lever action to ensure fatigue-free working
- > Ergonomically designed handles



Part No.
KN 97 43 200 A

## KNIPEX eCrimp

### ELECTROMECHANICAL CRIMP SYSTEM PLIERS FOR EXCHANGEABLE CRIMPING DIES

- > Strong electromechanical drive, no hydraulic components, no leakages
- > Suitable for all crimping dies 97 49 XX as well as more than 1000 special crimping dies and locators for the mechanical Crimp System Pliers (97 43 200)
- > Ergonomically optimised, user-friendly working height during workshop operation
- > LED working light for targeted illumination of the crimping area

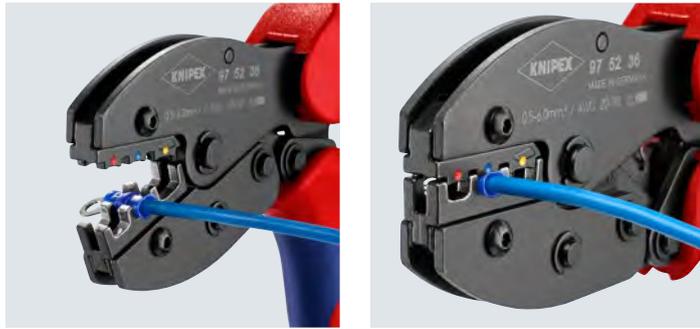


Part No.	Mains voltage/frequency	Connector socket
KN 97 43 E UK	230 V / 50 Hz	CEE 7/16

# KNIPEX PreciForce

## CRIMPING PLIERS

- > Consistently high crimping quality thanks to precision dies and forced locking mechanism (unlockable)
- > 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



KN 97 52 36 SB

Part No.		Application	Capacity mm <sup>2</sup>	AWG
KN 97 52 33 SB		 $\infty$ non-insulated terminals	0.5 – 10	20 – 8
KN 97 52 36 SB		 $\infty$ insulated connectors	0.5 – 6	20 – 10
KN 97 52 42 SB		 $\infty$ for solar cable connectors MC4® & MC4® Evo 2	4 / 6	12 – 10

## Crimping Dies for manual and electromechanical KNIPEX Crimp System Pliers 97 43 XX

### CRIMPING DIES FOR WIRE FERRULES ACCORDING TO DIN 46 228

- > UL approved crimping together with KNIPEX wire ferrules 97 99 330 - 399
- > Application: insulated + non-insulated wire ferrules 10 / 16 / 25 mm<sup>2</sup>

Part No.		Capacity mm <sup>2</sup>	AWG
KN 97 49 09		10/16/25	8/6/4

### CRIMPING DIES FOR NON-INSULATED CABLE CONNECTORS

Application: non-insulated terminals and plug connectors 16 + 25 mm<sup>2</sup>

Part No.		Capacity mm <sup>2</sup>	AWG
KN 97 49 23		16/25	6/4

### CRIMPING DIES FOR PHOTOVOLTAICS

Locator for KNIPEX crimping pliers and dies, MC4® by Stäubli

Part No.		Capacity mm <sup>2</sup>	AWG
KN 97 49 71		4/6/10	12/10/8
KN 97 49 66 1	Locator for 97 49 66 (solar cable connectors MC4®)		
KN 97 49 71 1	Locator for 97 49 71 (solar cable connectors MC4®)		



97 49 71



97 49 66 1



97 49 71 1

## Self-Adjusting Crimping Pliers for wire ferrules

PATENTED

### WITH LATERAL ACCESS

- > Narrow handle width and improved ergonomics
- > For crimping wire ferrules according to DIN 46228 parts 1 + 4
- > Self-adjustment to the size of wire ferrules required
- > Repetitive, high crimping quality due to integral lock (self-releasing mechanism)
- > Tools have been set precisely (calibrated) in the factory

Part No.		Capacity mm <sup>2</sup>	AWG
KN 97 53 04 SB		0.08 – 10/16	28 – 6
KN 97 53 14 SB		0.08 – 10/16	28 – 6

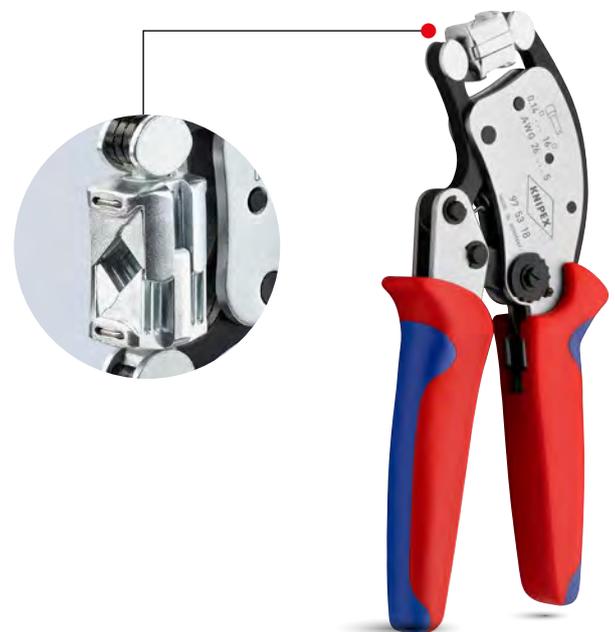


## KNIPEX Twistor16®

### SELF-ADJUSTING CRIMPING PLIERS FOR WIRE FERRULES WITH ROTATABLE DIE HEAD

- ▶ Crimp head can be rotated 360°, with 8 locking positions
- ▶ Square crimp profile, high capacity range from 0.14 to 16 mm<sup>2</sup>
- ▶ Wire ferrules can be crimped from almost any working position
- > Crimping pliers adjust automatically to different cross-sections
- > Crimp opening accessible from both sides, extra-long wire ferrules can be fed in
- > Crimping of Twin wire ferrules up to 2 x 6 mm<sup>2</sup> possible
- > Repetitive, high crimping quality due to ratchet mechanism (unlockable)
- > Light and handy tool, manual force reinforced by toggle lever mechanism

Part No.		Capacity mm <sup>2</sup>	AWG
KN 97 53 18 SB		0.14 – 16	26 – 6



## Crimping Pliers for wire ferrules

⚠ 1000 V

### WITH MANDREL CRIMP

- > Light and slim design
- > Easy crimping due to optimised transmission ratio
- > For crimping wire ferrules according to DIN 46228 parts 1 + 4 from 0.25 to 16 mm<sup>2</sup>
- > Crimping in marked half-round dies for reliable connections between the sleeve and the conductor
- > 9 particularly deep dies with conical side faces

Part No.	Applications	Capacity mm <sup>2</sup>	AWG
KN 97 78 180 SB	Wire ferrules	0.25 – 16	24 – 6



## Tool set for Photovoltaics MC4®

### EQUIPPED FOR CABLING SOLAR SYSTEM

- ▶ Equipped with tools for photovoltaics
- ▶ Precision Insulation Stripper 12 12 11 (1.5 / 2.5 / 4.0 / 6.0 mm<sup>2</sup>) with adapted blades for smaller stripping capacities
- ▶ Cable shears 95 16 165 for copper cables up to Ø 15 mm
- > With Crimp System Pliers 97 43 200 A for interchangeable crimping dies, crimping pressure is precisely set at the factory (calibrated)
- > Without crimping dies - please order separately (see ref. 97 49...) for individual assortment
- > Assembly tool (Allen key) for changing the crimping dies
- > Impact-resistant plastic case
- > Foam insert with recesses for tools, 2 crimping dies (not included) and 2 locators (not included)
- > External dimensions: 345 x 80 x 280 mm (W x H x D)



#### Content

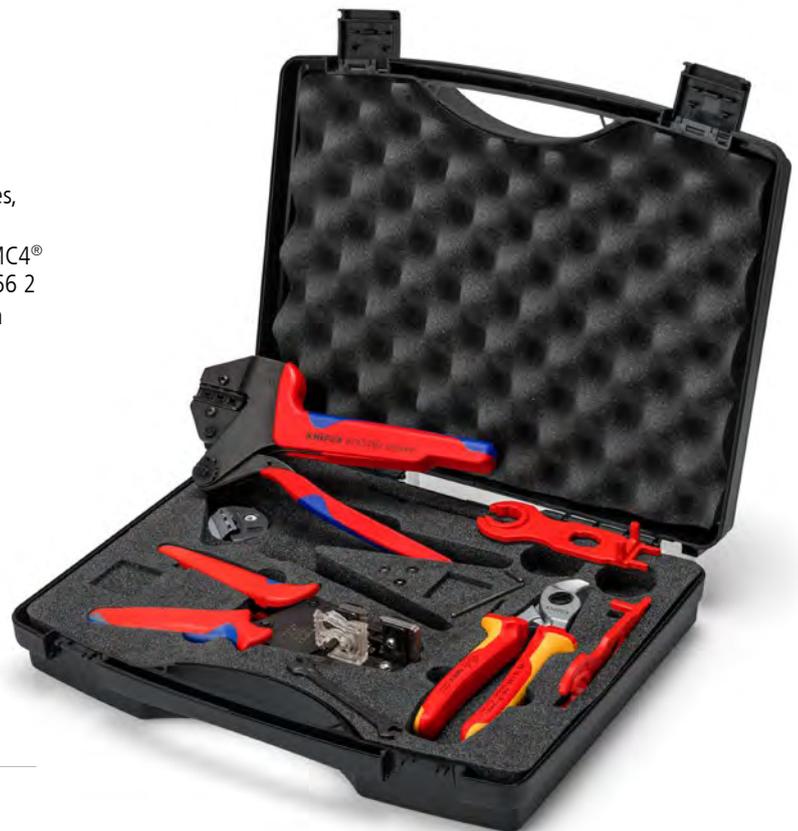
12 12 11 KNIPEX	
95 16 165 KNIPEX	
97 43 200 A KNIPEX	

Part No.	Tool set for Photovoltaics
KN 97 91 01	2,5 – 6.0 mm <sup>2</sup>

## Tool set for Photovoltaics MC4®

### EQUIPPED FOR CABLING SOLAR SYSTEM

- > Crimp System Pliers 97 43 200 A for interchangeable crimping dies, crimping pressure is precisely set at the factory (calibrated)
- > Crimping die 97 49 66 (2.5 / 4.0 / 6.0 mm<sup>2</sup>) for solar connector MC4® (Multi-Contact), locator 97 49 66 1 and assembly tool set 97 49 66 2
- > Precision stripping pliers 12 12 11 (1.5 / 2.5 / 4.0 / 6.0 mm<sup>2</sup>) with adapted blades for smaller stripping capacities
- > Cable shears 95 16 165 for copper cables up to Ø 15 mm
- > Assembly tool (Allen key) for changing the crimping dies
- > Impact-resistant plastic case: external dimensions: 345 x 80 x 280 mm (W x H x D)



#### Content

12 12 11 KNIPEX		97 49 66 KNIPEX	
95 16 165 KNIPEX		97 49 66 1 KNIPEX	
97 43 200 A KNIPEX		97 49 66 2 KNIPEX	

Part No.	Tool set for Photovoltaics
KN 97 91 04 V01	2,5 – 6.0 mm <sup>2</sup>

## Set of Mounting Tools

### FOR SOLAR CABLE CONNECTORS MC4® (MULTI-CONTACT)

- > Set of two mounting tools
- > To loosen and tighten cable glands of MC4® solar plugs
- > To open the locking of MC4® housings (even in case of mounted lock clip)

MC4® is a registered trademark of Stäubli Electrical Connectors AG



Part No.

**KN 97 49 66 2**

## Assortment Boxes

- > Practical dispenser box, stackable and reclosable
- > Handy, transparent dispenser box
- > Rotating lid with opening to remove individual wire ferrules
- > With insulated wire ferrules by DIN colour code
- > Format: Ø 90 mm, height 44 mm



- > With 150 wire ferrules
- > 30 wire ferrules each for 0.25/0.34/0.5/0.75/1 mm<sup>2</sup>

Part No.

**KN 97 99 905**



- > With 450 insulated wire ferrules
- 5 x wire ferrule sets
- > 50 wire ferrules each for 0.5/2.5 mm<sup>2</sup> and 100 for 0.75/1/1.5 mm<sup>2</sup>

Part No.

**KN 97 99 906**



- > With 200 Twin wire ferrules 4 parts
- > 50 wire ferrules for 2x0.75 mm<sup>2</sup> / 2x1 mm<sup>2</sup> / 2x1.5 mm<sup>2</sup> / 2x2.5 mm<sup>2</sup>

Part No.

**KN 97 99 908**

## Screwdrivers

⚡ 1000 V

- > Reduced blade isolation diameter for recessed spring and screw elements
- > Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force

### Screwdrivers (Slim) for slotted screws

Part No.

**KN 98 20 35 SL / KN 98 20 40 SL / KN 98 20 55 SL / KN 98 20 65 SL**

### Screwdriver (Slim) for cross-recessed screws Phillips®

Part No.

**KN 98 24 01 SL / KN 98 24 02 SL**

### Screwdrivers (Slim) for cross-recessed screws Pozidriv®

Part No.

**KN 98 25 01 SL / KN 98 25 02 SL**

### Screwdrivers (Slim) Plus/Minus Phillips®

Part No.

**KN 98 24 01 SLS / KN 98 24 02 SLS**



KN 98 20 65 SL



KN 98 24 02 SL



KN 98 25 02 SL



KN 98 24 01 SLS

## Plastic Nose Pliers

⚡ 1000V

- > Fully insulating to reduce risk of short circuit
- > Class C; range of use up to -40°C
- > Plastic material, fibreglass-reinforced



KN 98 62 02  
Plastic Snipe Nose Pliers



KN 98 62 01  
Plastic Flat Nose Pliers



### Part No.

KN 98 62 01				
KN 98 62 02				

## High Leverage Combination Pliers

- > 35% less effort required than with conventional combination pliers
- > With cutting edges (hardness approx. 63 HRC) for heavy duty
- > Easier work due to optimised leverage
- > Easier cutting, powerful gripping, bending and pulling
- > Long cutting edges for thicker cables



KN 02 02 225 SB



KN 02 06 200 SB  
⚡ 1000V

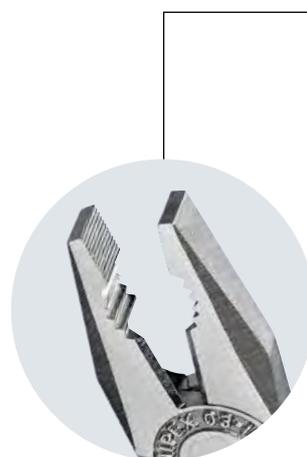


Part No.	Ø mm	Ø mm	Ø mm	mm <sup>2</sup>
KN 02 02 225 SB	3.0	2.5	14.0	25
KN 02 06 200 SB	2.8	2.2	13.0	25

## Combination Pliers

⚡ 1000V

- > 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



KN 03 06 180 SB

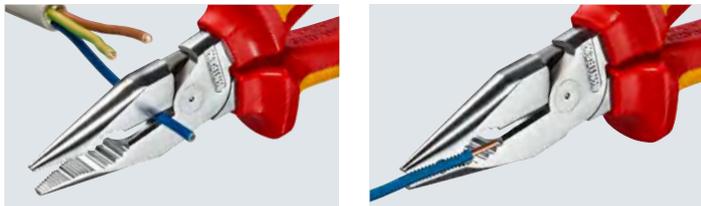


Part No.	Ø mm	Ø mm	Ø mm	mm <sup>2</sup>
KN 03 06 160 SB	3.1	2.0	10.0	16
KN 03 06 180 SB	3.4	2.2	12.0	16
KN 03 06 200 SB	3.8	2.5	13.0	16

## Needle-Nose Combination Pliers

⚡ 1000 V

- > Easy cutting thanks to the high leverage joint
- > 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



Part No.	 Ø mm	 Ø mm	 Ø mm	 mm <sup>2</sup>
KN 08 26 145 SB	3.0	2.0	8.0	16
KN 08 26 185 SB	3.8	3.0	13.0	25



KN 08 26 185 SB

## Insulation Stripper

⚡ 1000 V

### WITH OPENING SPRING, UNIVERSAL

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



Part No.	 Ø mm	 mm <sup>2</sup>	AWG
KN 11 06 160 SB	5	10	8



## Stripping Pliers

⚡ 1000 V

- ▶ Multifunctional – cutting and stripping with one pair of pliers
- > For time-saving stripping of all round sheathed and damp-proof installation cables (e.g. NYM cable)
- > Simplified access especially into deep mounted junction boxes thanks to slim head design and optimally angled cable sheath cutter
- > Strip cables easily and without damage thanks to circular cutting edge with depth limiter



Part No.	 Ø mm	 Ø mm	Stripping capacities Ø mm	Stripping capacities mm <sup>2</sup>
KN 13 46 165 SB	3.2	2.2	8.0–13.0	0.75–1.5/2.5



## Forged Wire Stripper

⚡ 1000V

### FOR METRIC CABLE

- > Versatile 5-in-1 combination pliers for electrical installation: cut cables, strip conductors, twist, deburr and grip
- > Clever stripping: large capacity range, sharply ground stripping profiles and intuitive positioning
- > Innovative cutting geometry: easier cutting, especially of flat cables



Part No.	Ø mm	mm <sup>2</sup>	Stripping capacity for cross-sections mm <sup>2</sup>
KN 13 76 200 ME	15	50	0.75–4 / 6



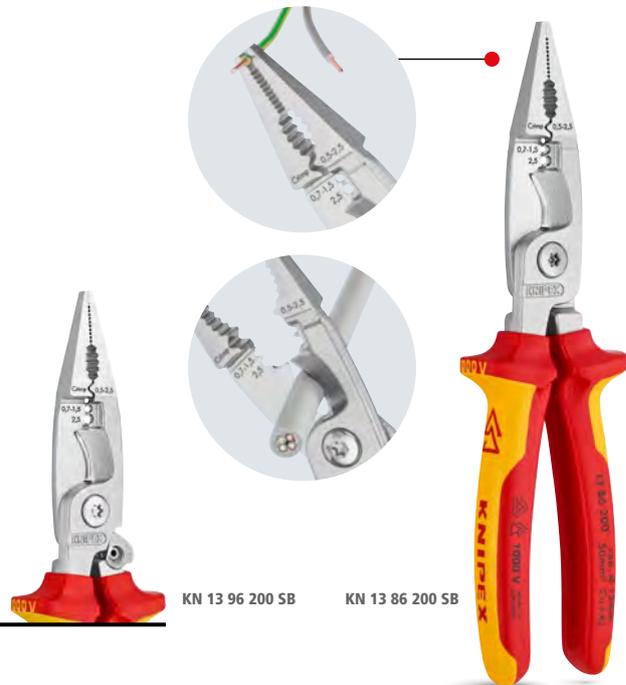
## Pliers for Electrical Installation

⚡ 1000V

- ▶ 6 functions in one pair of pliers
- > Multifunctional pliers for the electrical installation; to grip flat and round material, for bending, deburring, cutting cable, stripping and crimping wire ferrules
- > Smooth surfaces near the tips grip single cores without damaging them; serrated gripping surfaces and pipe grip for gripping flat and round material
- > Stripping holes for conductors of 0.75–1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup>
- > Crimping die for wire ferrules 0.5–2.5 mm<sup>2</sup>

PATENTED

Part No.	Ø mm	mm <sup>2</sup>	Stripping capacity for cross-sections mm <sup>2</sup>	Crimping capacities mm <sup>2</sup>
KN 13 86 200 SB	15.0	50	0.75–1.5 / 2.5	0.5–2.5
KN 13 96 200 SB	15.0	50	0.75–1.5 / 2.5	0.5–2.5



## Diagonal Insulation Stripper

⚡ 1000V

- > With long cutter
- > High cutting capacity due to high leverage joint
- > Precision stripping holes for single conductors of 1.5 and 2.5 mm<sup>2</sup>
- > Convenient cutting of NYM cables up to 5 x 2.5 mm<sup>2</sup>
- > Long tips for ultra fine cutting work also in confined areas
- > Induction-hardened precision blades, cutting edge hardness approx. 60 HRC



Part No.	Ø mm	mm <sup>2</sup>	Stripping capacities mm <sup>2</sup>	AWG
KN 14 26 160 SB	2.5	1.5	1.5–2.5	16 / 14



## Snipe Nose Side Cutting Pliers

### (RADIO PLIERS)

- > Half-round, long, tapered jaws
- > Suitable for finer gripping and cutting work, also on easy and semi-difficult to reach areas
- > Knurled gripping surfaces
- > With cutting edges for soft, medium-hard and hard wire
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC



Part No.	 Ø mm	 Ø mm
KN 25 06 160 SB	2.5	1.6



## Snipe Nose Side Cutting Pliers

### (STORK BEAK PLIERS)

- > Elastic tips: dimensionally stable even when twisted
- > Distortion-tolerant, elastic precision tips
- > Half-round, long, tapered jaws
- > With cutting edges (hardness approx. 61 HRC) for soft, medium-hard and hard wire
- > Vanadium electric steel, forged, multi stage oil-hardened
- > DIN ISO 5745, DIN EN 60900, IEC 60900

Part No.	 Ø mm	 Ø mm
KN 26 16 200 SB	3.2	2.2
KN 26 26 200 SB	3.2	2.2



## Diagonal Cutter

- ▶ Narrow head style for use in confined areas
- > The indispensable diagonal cutter for all-round use
- > High-quality material and precise workmanship for long service life
- > Precision cutting edges for soft and hard wire
- > Clean cutting of thin copper wires, also at the cutting edge tips
- > Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC

Part No.	 Ø mm	 Ø mm	 Ø mm
KN 70 06 140 SB	4.0	2.5	1.8
KN 70 06 160 SB	4.0	3.0	2.0
KN 70 06 180 SB	4.0	3.0	2.5
KN 70 26 160	4.0	-	-

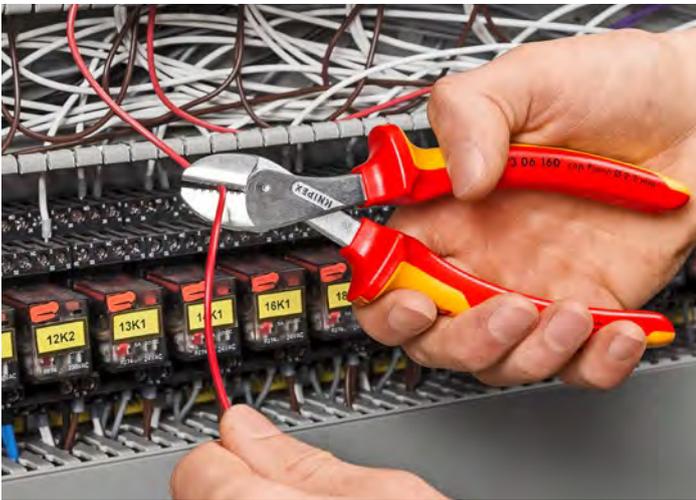


# KNIPEX X-Cut®

⚡ 1000V

## COMPACT DIAGONAL CUTTERS

- ▶ Cuts finest strands as well as multi-core cables and piano wires
- ▶ Powerful, light and universal
- > High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- > Box-joint design: highest stability with low weight
- > Doubly supported joint axis for heavy duty
- > Large opening width for thicker cables
- > Cuts precisely, even through fine copper wires
- > Compact, low-weight construction
- > Universally usable, in the assembly, maintenance and production
- > Precision cutting edges also induction-hardened (hardness approx. 62 HRC), for all wire types including piano wire



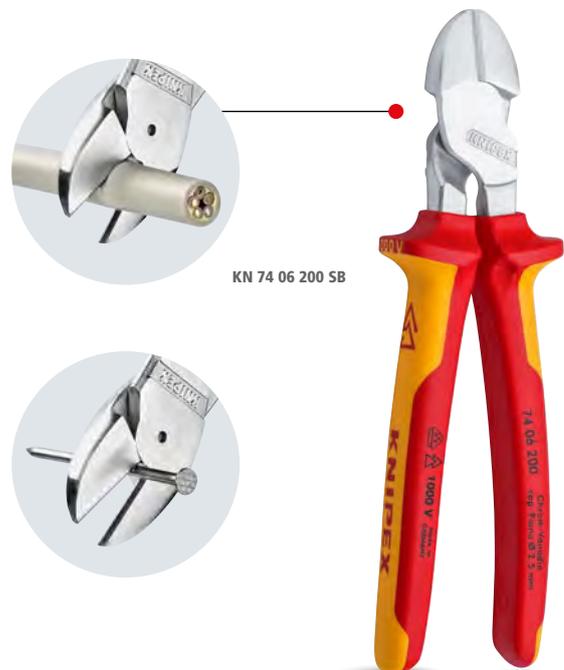
PATENTED

Part No.	 Ø mm	 Ø mm	 Ø mm	 Ø mm	 Ø mm
KN 73 06 160 SB	4.8	3.8	2.7	2.2	12.0

## High Leverage Diagonal Cutter

⚡ 1000V

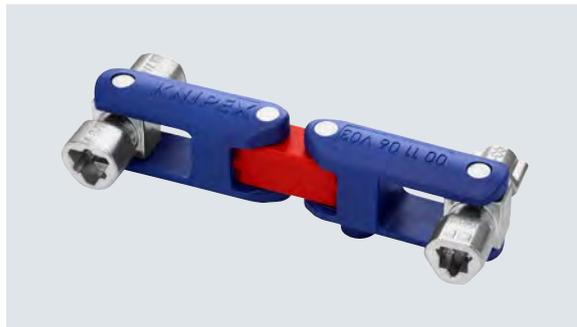
- > For very tough, continuous use
- > High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio
- > Precision cutting edges additionally induction-hardened (cutting edge hardness approx. 64 HRC), for all sorts of wire including piano wire



Part No.	 Ø mm	 Ø mm	 Ø mm
KN 74 06 160 SB	3.4	2.5	2.0
KN 74 06 180 SB	3.8	2.7	2.2
KN 74 06 200 SB	4.2	3.0	2.5
KN 74 06 250	4.6	3.5	3.0

## Control Cabinet Key "DoubleJoint"

- > For locking systems in electrical engineering, the supply of gas and water, air conditioning and ventilation systems, industry, technical installations in buildings, etc.
- > With bit adapter for 1/4" bits with magnet
- > Four different zinc die-cast key profiles in a single key



Part No.	 Ø mm	 Ø mm	 Ø mm
KN 00 11 06 V03	5-8	7-9	3-5

## KNIPEX TwinKey®

### CONTROL CABINET KEY FOR ALL STANDARD CABINETS AND SHUT-OFF SYSTEMS

- ▶ 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

**PATENTED**

Part No.  
**KN 00 11 01**



## KNIPEX Cobra® Set

### HIGH-TECH WATER PUMP PLIERS IN A SET: PLIERS IN SPACE-SAVING ROLL-UP BAG

- ▶ The KNIPEX Cobra® are the legendary high-tech water pump pliers from KNIPEX
- ▶ With their extremely strong self-locking effect, they allow energy-saving work without slipping on the workpiece
- > High-quality tool roll made from durable polyester fabric with hook-and-loop fastener
- > These sets each contain three high-tech water pump pliers of different sizes with slim, plastic-coated handles
- > Dimensions, open (L x H): 430 x 325 mm

#### Part No.

<b>KN 00 19 55 S8</b>	KNIPEX Cobra® Set, 3 Parts	
	88 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers
	88 01 250	
	88 01 300	
<b>KN 00 19 55 S8 LE</b>	Tool roll for KNIPEX Cobra®, empty 4 compartments	



KN 00 19 55 S8 LE  
Also available empty



## KNIPEX TwinGrip Slip Joint Pliers set

### SLIP JOINT PLIERS IN A SET: PLIERS IN SPACE-SAVING ROLL-UP BAG

- ▶ Gripping, tightening and loosening screws with worn heads and threads
- ▶ Work efficiently thanks to a unique combination: Front grip and side grip function, box joint, push button adjustment
- > High-quality tool roll made from durable polyester fabric with hook-and-loop fastener
- > These sets each contain three slip joint pliers of different sizes with slim, plastic-coated handles
- > Dimensions, open (L x H): 430 x 325 mm

#### Part No.

<b>KN 00 19 61 V01</b>	KNIPEX TwinGrip Set, 3 Parts	
	82 01 150	KNIPEX TwinGrip Front and side gripping pliers
	82 01 200	
	82 01 250	
<b>KN 00 19 61 LE</b>	Tool roll for KNIPEX TwinGrip, empty 4 compartments	



KN 00 19 61 LE  
Also available empty



## Mini pliers set

### IN BELT TOOL POUCH 1 X 08 22 145, 1 X 87 01 150

- ▶ For gripping, holding and cutting tasks, both large and small
- > High-quality tool roll made from durable polyester fabric with hook-and-loop fastener
- > These set contain one needle-nose combination pliers, comfort handles and one high-tech water pump pliers, plastic-coated handles
- > Dimensions, open (L x H): 160 x 72 mm

#### Part No.

<b>KN 00 20 72 V06</b>	Mini pliers set, in belt tool pouch	
	08 22 145	Needle-Nose Combination Pliers
	87 01 150	KNIPEX Cobra® High-Tech Water Pump Pliers



## KNIPEX Alligator® Set

- > Tools in a plastic deep-drawn tray with transparent lid
- > Pliers with polished heads; handles with non-slip plastic coating
- > Attractive sales packaging with Euro standard perforation
- > Dimensions (W x H x D): 170 x 370 x 40 mm



## Electric Set

- > Tools in a plastic deep-drawn tray with transparent lid
- > Pliers VDE-tested in conformance with DIN EN/IEC 60900 1000V, pliers chrome-plated, handles with multi-component grips
- > Attractive sales packaging with Euro standard perforation
- > Dimensions (W x H x D): 170 x 370 x 40 mm



⚡ 1000V

### Part No.

<b>KN 00 20 09 V03</b>	KNIPEX Alligator® Set, 3 parts	
88 01 180	KNIPEX Alligator® Water Pump Pliers	
88 01 250		
88 01 300		

### Part No.

<b>KN 00 20 12</b>	Electric Set, 3 parts	
03 06 180	Combination Pliers	
26 16 200	Snipe Nose Side Cutting Pliers (Stork Beak Pliers)	
70 06 160	Diagonal Cutter	

## VDE Screwdriver Set

- Tools in a plastic deep-drawn tray with transparent lid
- Attractive sales packaging with Euro standard perforation
- Burnished tip, insulating multi-component handle, VDE-tested
- Dimensions (W x H x D): 170 x 370 x 40 mm



⚡ 1000V

### Part No.

Part No.		Nominal size
<b>KN 00 20 12 V01</b>	VDE Screwdriver Set, 6 parts	
98 20 30	Screwdrivers for slotted screws	3.0 mm
98 20 40		4.0 mm
98 20 55		5.5 x 125 mm
98 20 65		6,5 mm
98 24 01	Screwdriver for cross recessed screws, Phillips®	PH1
98 24 02		PH2
<b>KN 00 20 12 V05</b>	VDE Screwdriver Set, 6 parts	
98 20 25	Screwdrivers for slotted screws	2.5 mm
98 20 40 SL	Screwdrivers (Slim) for slotted screws	4.0 mm
98 24 01 SLS	Screwdriver (Slim) for Plus/Minus Phillips®	PH/S 1
98 24 02 SLS		PH/S 2
98 25 01 SLS	Screwdriver (Slim) for Plus/Minus Pozidriv®	PZ/S 1
98 25 02 SLS		PZ/S 1

## Electrical Installations Set

- > Tool Sets in a blister
- > This set equips the electrical trade for practically every day-to-day work
- > The KNIPEX ErgoStrip® universal stripping tool, the extremely versatile pliers for electrical installation with cable shears and the powerful diagonal cutter make the perfect team!
- > Dimensions (W x H): 33 x 167 mm



## Set of pliers

- > Delivery of art. no. 00 31 20 V01 contents:
  - 1 x water pump pliers 180 mm,
  - 1 x water pump pliers 250 mm



### Article No.

<b>KN 00 31 30 BK V01</b>	Electrical Installations Set, 3 parts	
13 86 200	Pliers for Electrical Installation	
16 95 01	KNIPEX ErgoStrip®, Universal Stripping Tool	
70 06 160	Diagonal Cutter	

### Part No.

<b>KN 00 31 20 V01</b>	Set of pliers, 2 parts	
87 01 180	KNIPEX Cobra® High-Tech Water Pump Pliers	
87 01 250		

## Tool Case "Basic"

- > Two metal flip locks and a three-digit combination lock for secure locking of the cover
- > Max. payload: 15 kg, volume: 27 litres
- > Document compartment in the cover
- > Two removable tool boards made of dirt-repellent PP twin-fall sheets with 21 tool pockets
- > Base tray, can be fixed by press button, height 50 mm, can be subdivided by inserts; cover plate with 12 large compartments and a flat compartment
- > With a total of 41 inserting options
- > Dimensions, exterior (interior) (W x H x D): 465 (440) x 200 (180) x 410 mm (350) mm

---

Article No.  
KN 00 21 05 LE

---



## Tool Bag "LightPack"

- > Max. payload: 20 kg
- > Can be opened from both sides
- > Made from tough polyester fabric, with zip fasteners and hook-and-loop fastener
- > Tool loops inside
- > Plastic base tray
- > Steel handle with softgrip
- > Shoulder strap (can also be used as belt)
- > Dimensions (W x H x D): 300 x 300 x 380 mm



---

Article No.  
KN 00 21 08 LE

---

## Tool bag "Service"

### EVERYTHING YOU NEED: STORE YOUR TOOLS AND NOTEBOOK SAFELY

- > Lined inside pouch for notebook and DIN A4 documents; also with DIN A4 zipped compartment
- > 90° fold-out front pouch with 8 tool pouches and one small inside pouch
- > Reverse side of the front pouch with 5 tool pouches and 3 pen pouches
- > Removable tool board with 8 tool pouches on the front and 2 rows of elastic loops on the back
- > Adjustable shoulder belt with quick-release fastener
- > Dimensions, exterior (interior) (W x H x D): 460 (410) x 310 (300) x 240 mm



---

Article No.  
KN 00 21 10 LE

---

## KNIPEX Modular X18

**LIGHT, FLEXIBLE AND UNIQUE: THE MODULAR TOOL BACKPACK FOR ALL THOSE WHO MAKE NO COMPROMISES IN THEIR WORK**

- ▶ Fits you and your tools: practical and comfortable due to fully hinged front and back, removable tool board and padding for your back
- ▶ As individual as you are: optimal flexibility due to innovative FIDLOCK® connectors and MOLLE webbing
- ▶ Fit for any challenge: with two separate inner compartments for tools, measuring instruments, notebook or tablet
- > Durable fabric made of sustainable recycled synthetic fibers, splash-proof and easy to clean
- > Waterproof molded bottom made of impact-resistant plastic for a secure upright position when opened and closed, 6 cm high
- > One MOLLE strap on the inside and four MOLLE straps on the outside for attaching any adapters, carabiners and accessories
- > FIDLOCK® connections are fastened or unfastened in no time at all
- > A total of 21 retaining loops and 37 pockets, some with zips
- > Luggage strap for fixing to telescopic handles of tool cases
- > 53 x 34 x 21 cm (H x W x D), empty weight 2.9 kg, tested load capacity up to 15 kg



Removable, half-height tool panel



Separate laptop compartment



FIDLOCK® adapter with fabric loop



Carabiners or FIDLOCK® adapters can be attached to the MOLLE straps and combined in almost any way



37X



21X



2X



Further information on the tool backpack



Article No.  
KN 00 21 50 LE

# KNIPEX Modular X18 Electric

## CONVENIENT TRANSPORT OF THE MOST IMPORTANT TOOLS FOR THE ELECTRICAL TRADE

- ▶ Equipped with 16 KNIPEX tools, a total of 22 brand tools, partly VDE-tested according to DIN EN 60900
- ▶ Max. payload: 15 kg
- ▶ Volume: 18 litres



### Contents

00 11 01 KNIPEX TwinKey®		70 06 160 KNIPEX		98 25 01 SLS KNIPEX		Wera 9 pieces	
08 26 185 KNIPEX		78 06 125 KNIPEX		98 20 35 SL KNIPEX		Stabila	
12 52 195 KNIPEX PreciStrip 16		90 22 10 KNIPEX BIX®		98 20 55 SL KNIPEX		Stabila	
13 86 200 KNIPEX		97 53 14 KNIPEX		98 52 KNIPEX		Lyra	
16 95 01 KNIPEX ErgoStrip®		98 25 01 SL KNIPEX		KNIPEX			
26 26 200 KNIPEX		98 25 02 SL KNIPEX		Picard			

**Article No.**  
**KN 00 21 50 E**

# Exclusive to

## Solar MC4® Crimping Kit

**KIT COMPRISES OF KN 00 21 15 LE – RED KNIPEX TOOL BOX**

- > KN 97 43 200 A – Crimp System Pliers for exchangeable crimping dies with multi-component grips burnished 200 mm
- > KN 97 49 66 2 – Set of Mounting Tools for solar cable connectors MC4® (Multi-Contact) 115 mm
- > KN 97 49 71 – Crimping die for solar cable connectors MC4® (Multi-Contact) MC4® 4.0 mm – 10.0 mm
- > KN 97 49 71 1 – Locator for KN 97 49 71 (solar connectors MC4®)



## Electricians Starter Kit

**KN 00 21 12 LE-00 – KNIPEX BAG**

- > TIS 850 SIKIT – Voltage & Continuity Complete Safe Isolation Kit (TIS 850, TIS PU1, TIS PUK, TIS BKIT)
- > TIS 934 – 50V – 1000 V Audible Voltstick
- > TIS 1000 – Audible Socket Tester
- > KN 16 95 01 SB – KNIPEX ErgoStrip®, Right Handed
- > KN 13 86 200 SB – KNIPEX 5-1 Electrical Installation Pliers
- > KN 70 06 160 SB – KNIPEX 160 mm VDE Diagonal Cutters



MC4® is a registered trademark of Stäubli Electrical Connectors AG



Units 12 to 15, Luddite Way Business Park  
Rawfolds Way, Rawfolds, Cleckheaton  
BD19 5DQ

Tel: 01274 752407  
sales@tis-tic.co.uk  
www.testinstrumentsolutions.co.uk

**KNIPEX-Werk**  
C. Gustav Putsch KG

42337 Wuppertal  
Germany

Tel.: +49 202 47 94-0  
Fax: +49 202 47 74 94

info@knipex.com  
www.knipex.com



Follow us on social media



Google Play



App Store



Our app for your favourite tools