

Product Information

12 72 190

KNIPEX NexStrip®

Multi-Tool for Electricians

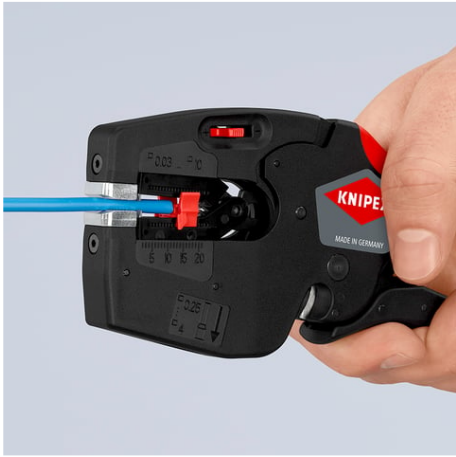


- Perfect crimping: fast and even square crimping for individual wire ferrules, the ratchet crimping mechanism guarantees the required crimping pressure
- Precise stripping: automatically adapts to the respective cable diameter and ensures consistent stripping lengths with the adjustable length stop especially with repetitive work
- Multi-component grips ensure non-slip, comfortable handling
- Quick, precise square crimp of single wire ferrules according to DIN 46228 parts 1+4, self-adjusts for sizes 0.25 – 4 mm² / 2 x 2.5 mm² – 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 mm² (AWG 32-8)
- Clean cut of copper and aluminum conductors fine-stranded up to 10 mm² (AWG 8), solid up to 6 mm² (AWG 10)
- High-quality housing made of glass fibre reinforced plastic
- For the electrical trade: for domestic installations and wiring of electronical devices, such as PLC (programmable logic controller)

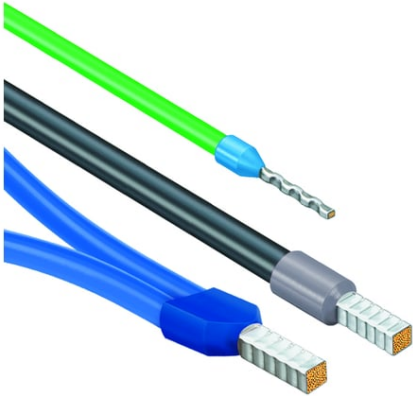
General	
Part No.	12 72 190
EAN	4003773088165
handles	with non-slip plastic grips
Weight	170 g
Dimensions	190 x 17 x 110 mm
REACH compliant	contains SVHC
RoHS compliant	not applicable

Technical changes and errors excepted









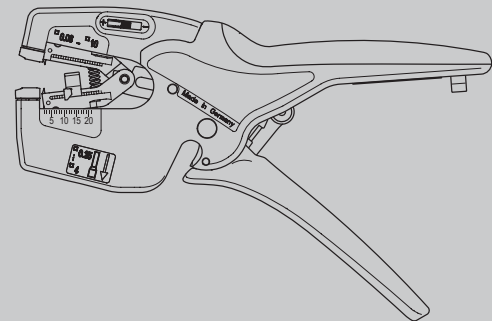
KNIPEX Quality – Made in Germany



Operating instructions

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EN KNIPEX NexStrip®
Multi-Tool for Electricians



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1 General

1.1 Notes on operating instructions

These operating instructions are designed to enable you to use your tool safely and efficiently.

The tool may only be used if it is in technically perfect condition.

As a consequence of technical developments, the illustrations and descriptions contained in these operating instructions may differ slightly from the tool actually delivered.

We do not accept any liability for damage caused by failure to observe these operating instructions.

1.2 Symbols used

All safety instructions in these operating instructions are indicated by corresponding symbols. The signal words at the beginning of each safety instruction express the extent of the Hazard.



Danger!

Danger of severe to fatal injury

This combination of symbol and signal word indicates an imminently hazardous situation that will result in death or serious injury if not avoided.



Warning!

Warning of potentially serious to fatal injury

This combination of symbol and signal word indicates a possibly hazardous situation that may result in death or serious injury if not avoided.



Caution!

Risk of minor injury

This combination of symbol and signal word indicates a dangerous situation that can lead to minor or moderate injury.



Notice!

Indicates possible damage to property or the environment

This combination of symbol and signal word stands for important information that helps to prevent damage to property or the environment.

1.3 Copyright

These operating instructions and all documentation supplied with this tool are protected by copyright and remain the property of KNIPEX.

The reprinting of these instructions, even in extract form, is only permitted with the written consent of C. Gustav Putsch KG.

1.4 Guarantee and warranty

The manufacturer grants a statutory warranty in accordance with the current sales and delivery conditions. No further warranties or assurances are granted.

Within the warranty period, the warranty covers the rectification of all defects that can be traced back to material faults or manufacturing errors.

Wearing parts are excluded from the warranty.

The repair or replacement of a tool shall not result in an extension of the warranty period. Tools shall only be repaired or replaced with "as new" parts, whose function corresponds to that of the old parts. All defective and hence replaced parts are the property of the manufacturer.

Warranty claims shall expire in particular if:

- Damage is caused through improper operation, use for purposes other than those specified by the manufacturer, or poor maintenance.
- Repairs or conversions are carried out by unauthorized persons.
- Original accessories or spare parts from KNIPEX are not used.
- Defective components are not repaired immediately to minimise the extent of the damage and so as not to impair the safety of the tool (obligation to repair).

For the rest, reference is made to the liability and warranty regulations of the current sales and delivery conditions.

2 Safety

2.1 Intended use

The tool is intended for the following uses:

- Stripping single, multi and fine-stranded conductors from 0.03 to 10 mm² / AWG 32 - 8
- Cutting copper and aluminium conductors up to a maximum of 10 mm²
- Crimping single and Twin wire ferrules

The tool must not be used for the following applications:

- Cutting steel

Any use beyond the intended purpose or any unauthorized modification shall be considered improper. The operator shall be liable for damages resulting from improper use.

Intended use also includes adhering to these operating instructions. They must be read in full before use.

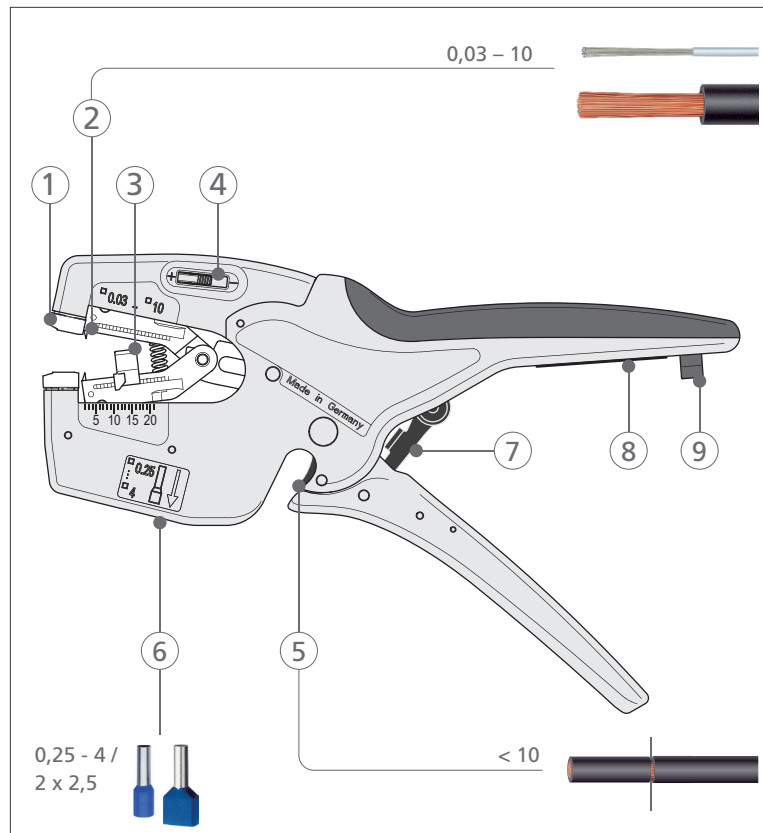


Warning: Sharp blades!

Handling sharp blades is dangerous. For this reason, make sure to handle your tools with care when working.

3 Design and function

3.1 Design



Structure of KNIPEX NexStrip®

- 1 Clamping jaws for cables/conductors
- 2 Knife for stripping
- 3 Adjustable feed stop (3.0 to 17.0 mm)
- 4 Fine adjustment to adjust the knife's cutting depth for special materials or temperature conditions (zero position in the middle)
- 5 Wire cutter for Cu and Al conductors (max. 10.0 mm²)
- 6 Crimping point for wire ferrules (square crimp with metal crimping jaws)
Single wire ferrules: 0.25 – 4.0 mm²
Twin wire ferrules: 2 x 2.5 mm²
- 7 Automatic lock with emergency release
- 8 Labelling field for customisation (on the inside of the handle)
- 9 Tether attachment point for attaching a fall protection device

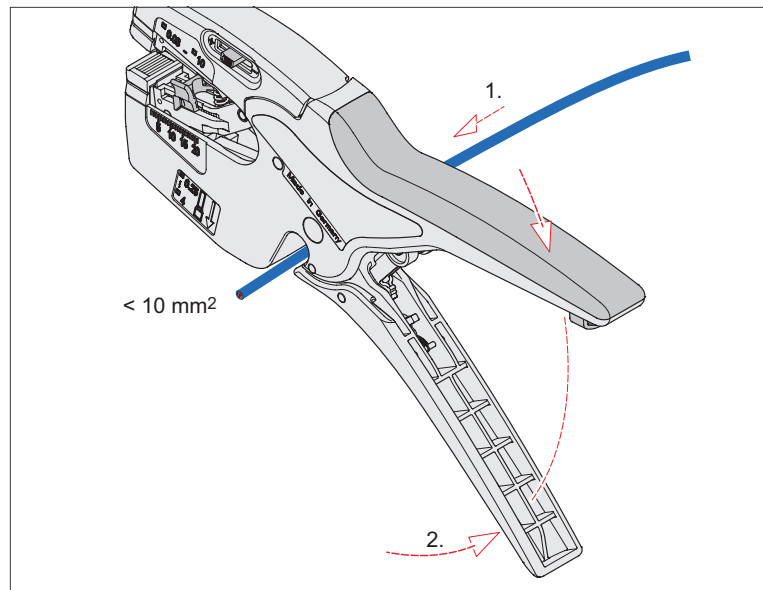
3.2 Function

The KNIPEX NexStrip® is used for cutting and stripping single, multi and fine-stranded conductors.

Loose single and Twin wire ferrules are crimped using a square crimp.

4 Operation

4.1 Cutting cables



Cutting cables

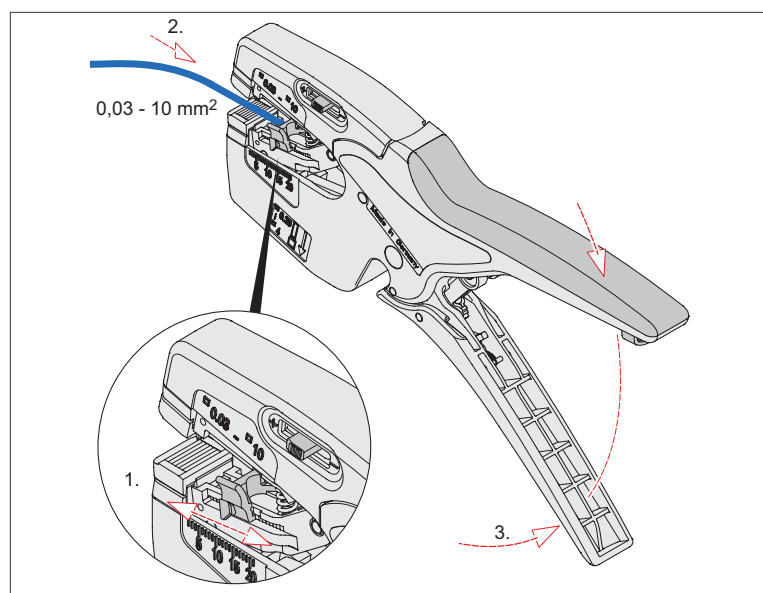
1. Insert the end of the cable to be cut between the two blades of the wire cutter.
2. Firmly press the two handles together.

4.2 Stripping cables (with single, multi and fine-stranded conductors)

Note:

When the feed stop is removed, the cable can be stripped to a maximum length of 20 mm.

- » Set the feed stop to the required length (3 to 17 mm).
- » Insert the end of the cable into the holder.
- » Firmly press the two handles together. The automatic lock is not released again until the handles have been fully pressed together.



Stripping single conductors

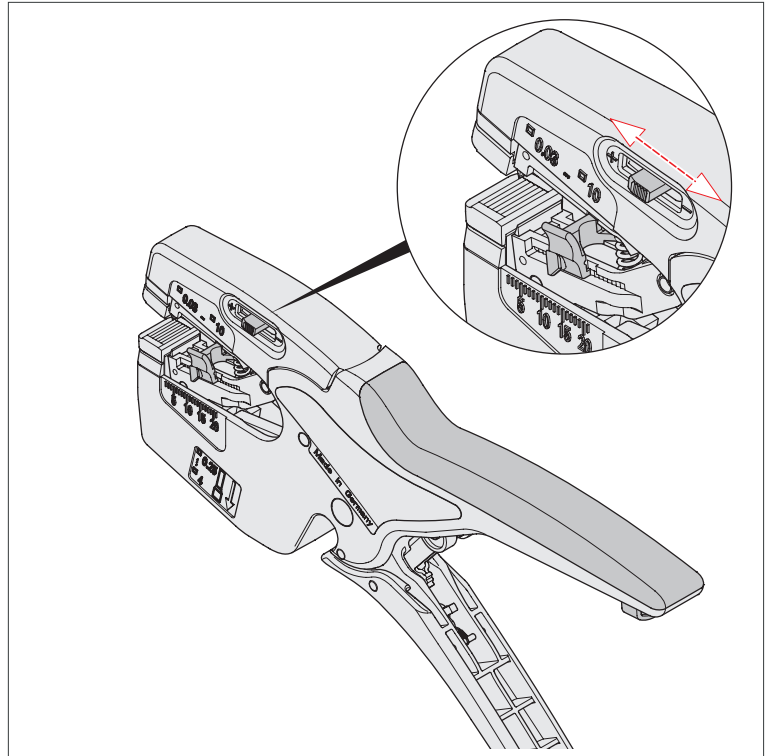
- » Pull the stripped cable out of the holder.

OPERATION

4.2.1 Fine adjustment of the knife

For insulation materials that are difficult to work with or if there are special temperature conditions, it may be necessary to adjust the cutting depth.

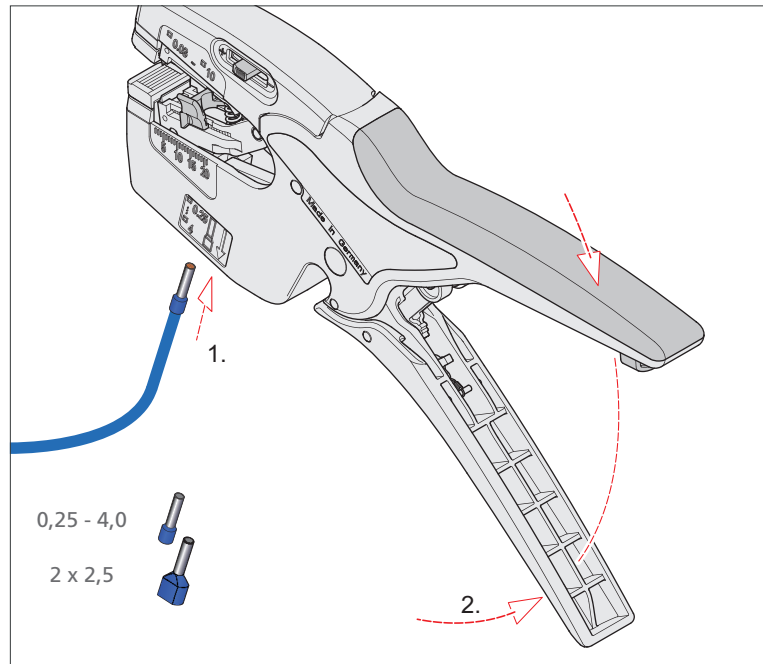
- » Push the fine adjustment slider in the "+" or "-" direction to individually adjust the knife's cutting depth.



Readjusting the cutting depth

4.3 Crimping wire ferrules

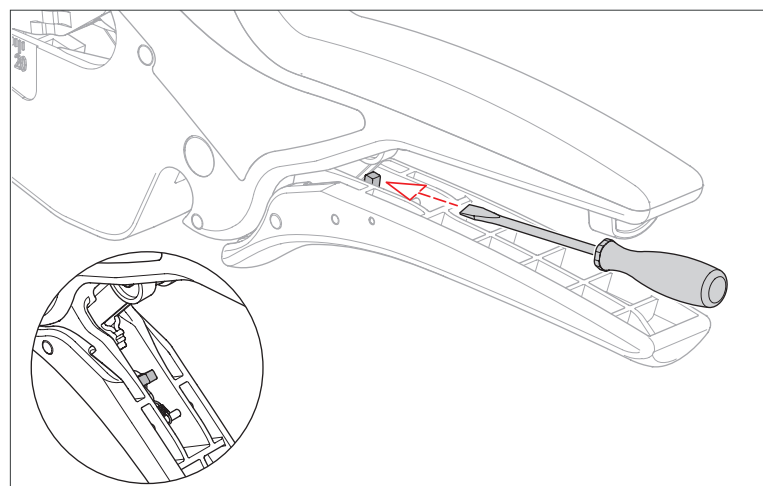
Loose single or Twin wire ferrules can be crimped to cables using the crimping die on the underside of the tool. The square crimp ensures optimal contact in the clamp.



Crimping wire ferrules

1. Insert the wire ferrule and the cable into the crimping die from below.
2. Firmly press the two handles together. In order to ensure consistently high crimping quality, the automatic lock is not released again until the handles have been fully pressed together.

4.3.1 Emergency release of automatic lock



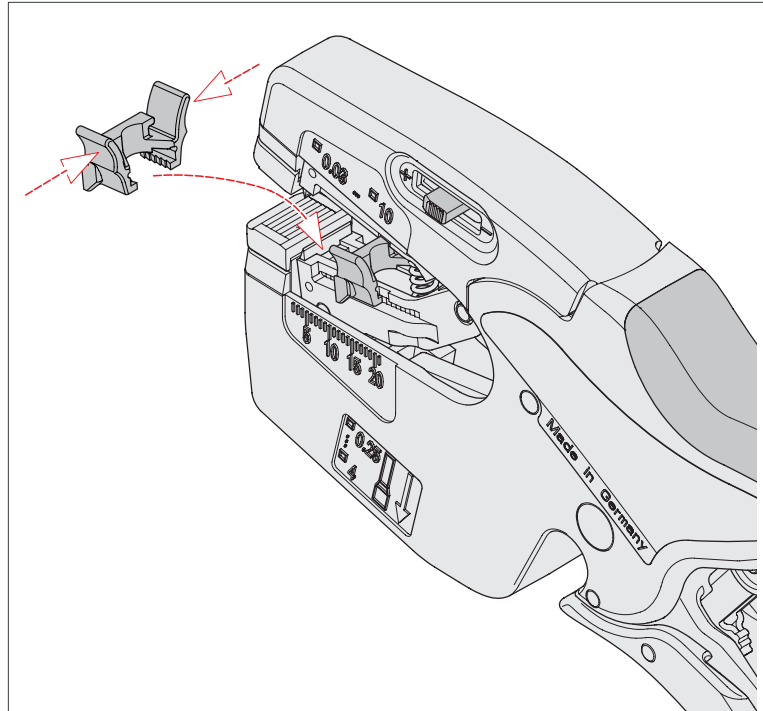
Unlocking automatic lock

If necessary, the automatic lock can be unlocked manually.

- » Use a small screwdriver to press the release pin on the inside of the lower handle.

5 Maintenance

5.1 Changing the feed stop



Replacing the feed stop

1. Press the feed stop together lightly and pull it off the guide.
2. Place the new feed stop on the guide so that it clicks into place.
3. Check if the feed stop can be put into different settings.

6 Technical data

Technical data	Unit	
Item number KNIPEX NexStrip®	–	12 72 190
Item number spare blades block	–	12 49 21
Item number spare length stop	–	12 49 23
Length	mm	195
Weight	g	166
Material body	–	Glass fibre reinforced plastic
Material blade	–	Special tool steel, oil-hardened
Capacity, cutting	mm ²	0.03 ... 10.0
Capacity, stripping	mm ²	0.03 ... 10.0
Capacity, square compression	mm ²	Single wire ferrules: 0.25 – 4.0 mm ² Twin wire ferrules: to 2 x 2.5 mm ²

7 Disposal

The tool can be disposed of as household waste.



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