

## Product Information

# 12 62 180

### KNIPEX ComStrip

Automatic insulation stripper

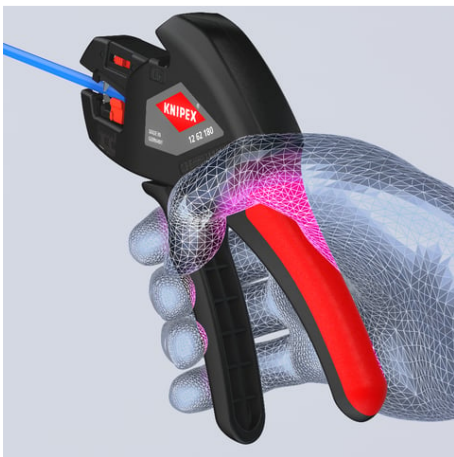
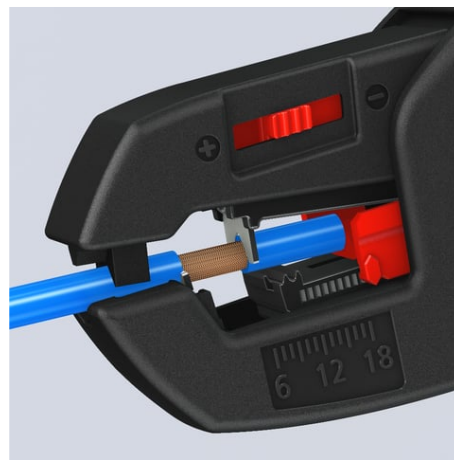


AWM

- 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>
- With adjustable length stop from 6 to 18 mm for consistently accurate stripping lengths
- Compact and handy tool with slim head for use in hard-to-reach work areas
- Low-effort work and maximum transmission of force thanks to ergonomic two-component handle with soft grip zone
- Robust and lightweight thanks to tool body made of glass fibre reinforced plastic
- Durable blades, can be replaced when worn

General	
Part No.	12 62 180
EAN	4003773054573
Weight	151 g
Dimensions	180 x 75 x 21 mm
REACH compliant	does not contain SVHC
RoHS compliant	not applicable
Technical details	
Stripping capacities in square millimetres	0.2 – 6.0 mm <sup>2</sup>
AWG	24 – 10

Technical changes and errors excepted

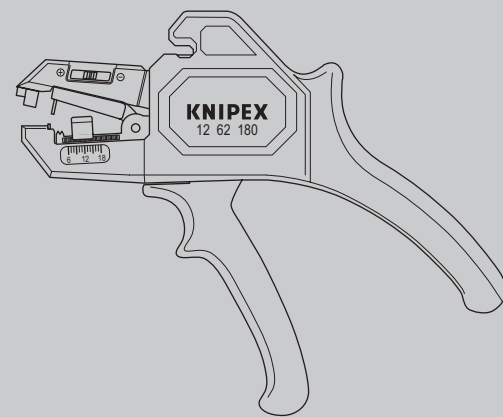




## Operating instructions

12 62 180

**EN** **Automatic Insulation Stripper**  
for stripping fine-stranded wire to solid  
round cables



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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!**

**Level 1 risk source**

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



**Warning!**

**Level 2 risk source**

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



**Caution!**

**Level 3 risk source**

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 KNIPEX Werk 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 mm<sup>2</sup> / AWG 32 – 7
- Cutting copper and aluminium conductors up to max. 10 mm<sup>2</sup> (multi-stranded) and 6 mm<sup>2</sup> (single-strand)

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.



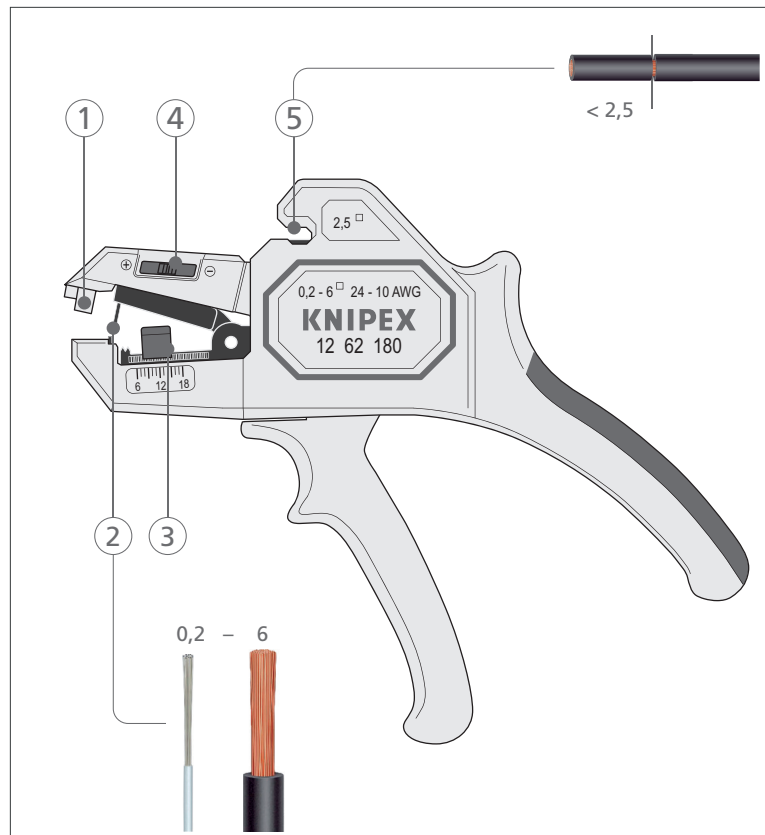
### **Warning!**

#### **Danger from 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



Design of the stripping tool

- 1 Holder for cables / conductors
- 2 Blades for wire stripping
- 3 Adjustable feed stop (4.0 to 18.0 mm)
- 4 Fine adjustment of the blade depth for special materials or temperature requirements
- 5 Wire cutter for fine-stranded copper and aluminium conductors (max. 2.5 mm<sup>2</sup>)

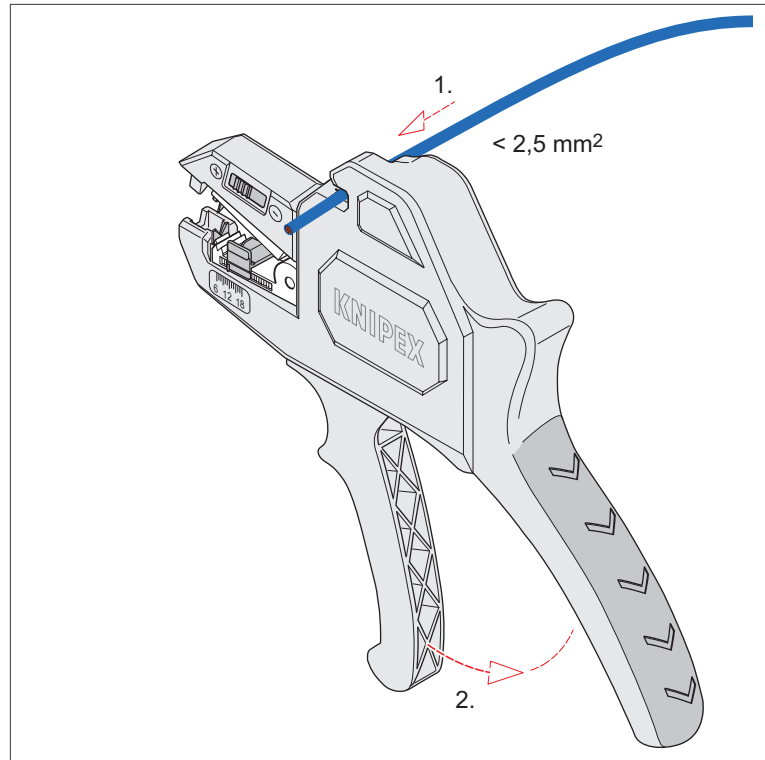
#### 3.2 Function

Solid, stranded and fine-stranded conductors are shortened and stripped with the automatic wire stripper.



## 4 Operation

### 4.1 Cutting cables

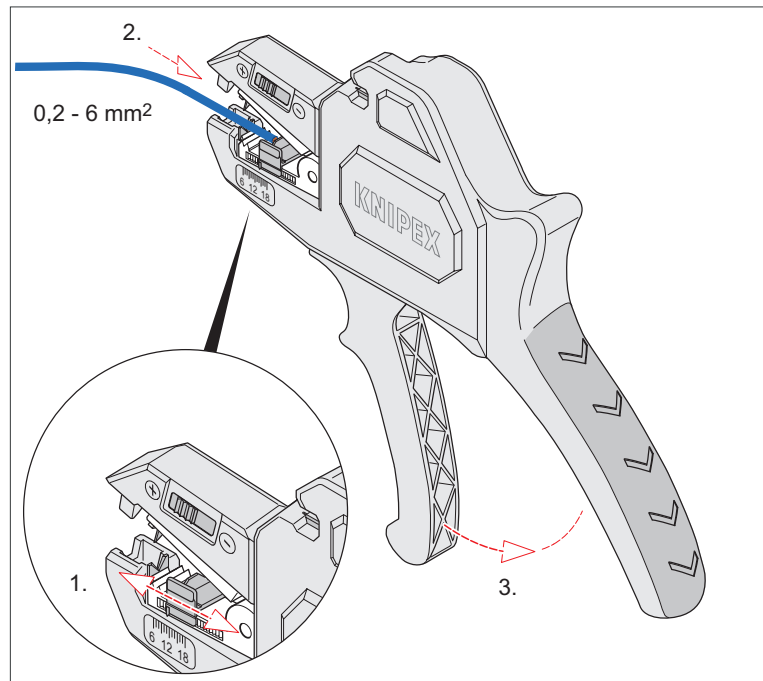


Trim cable

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)

- » Set the length stop to the required size (4 to 18 mm).
- » Insert the end of the cable into the holder.
- » Firmly press the two handles together.

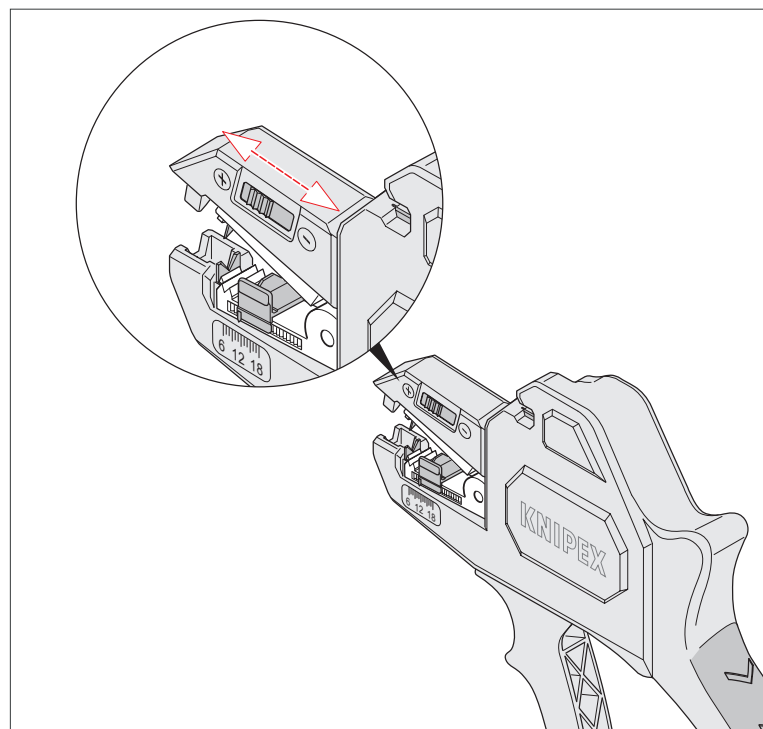


Stripping single conductors

- » Pull the stripped cable out of the holder.

With special materials or temperature conditions, it may be necessary to readjust the cutting depth.

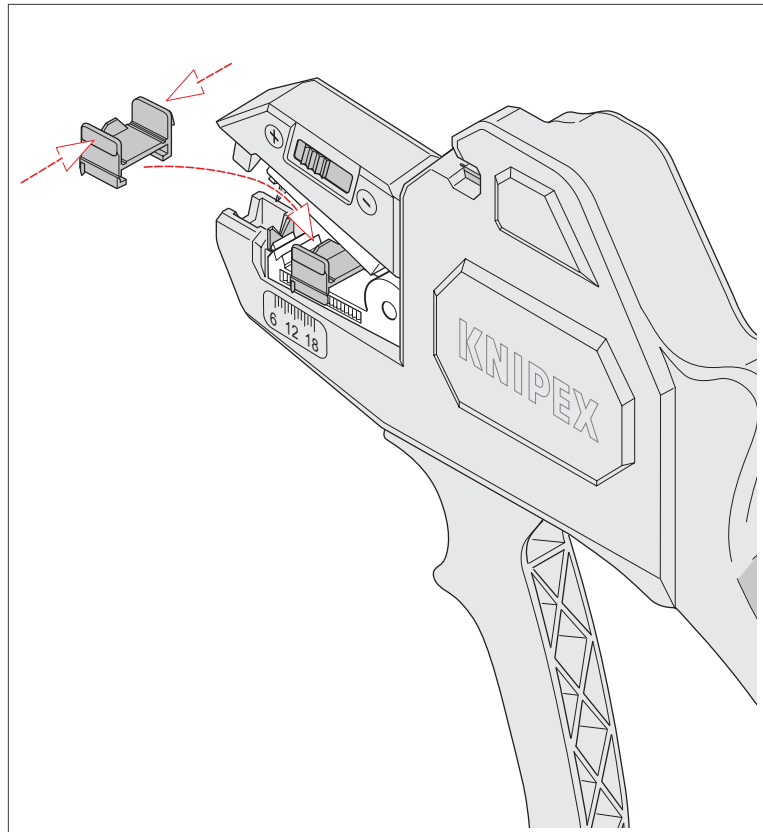
- » To do this, slide the fine adjustment slider to the left ("+" direction)



Readjusting the cutting depth

## 5 Maintenance

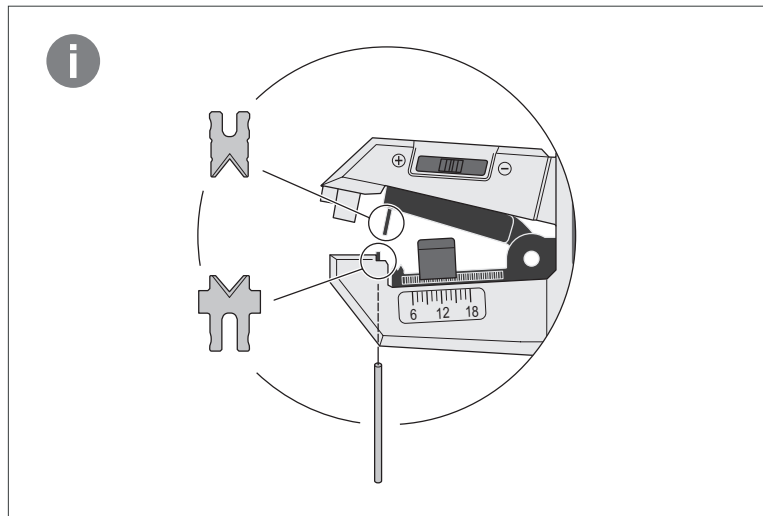
### 5.1 Changing the feed stop



Replacing the feed stop

1. Press the feed stop together lightly and pull it off the guide.
2. Place the new length stop onto the guide and gently press it together until it clicks into place.
3. Check whether the feed stop can be moved.

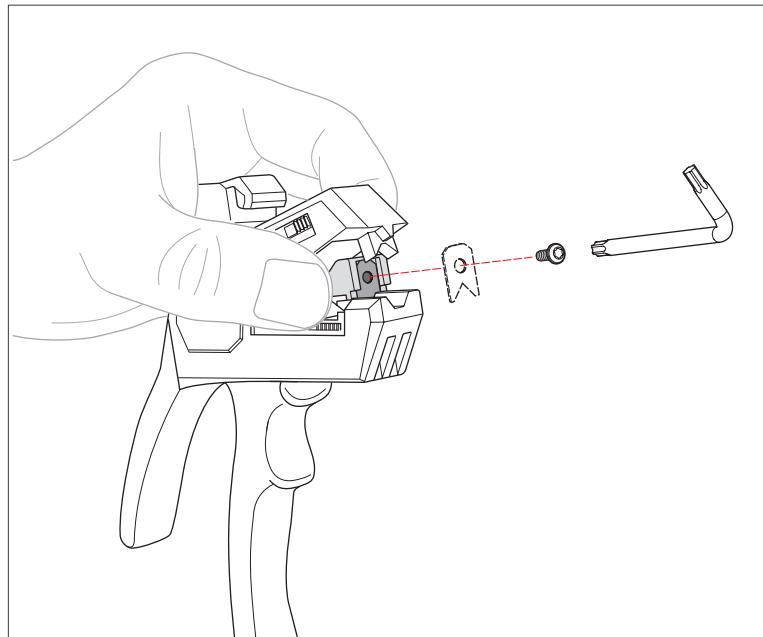
## 5.2 Replacing blades



Installation info

### 5.2.1 Changing the upper blade (screw-on blade version)

1. Press down on the top of the blade unit to access the screw on the front of the top blade. If necessary, use a small screwdriver to press down on the top of the blade unit.
2. Unscrew the screw and remove the worn blade.

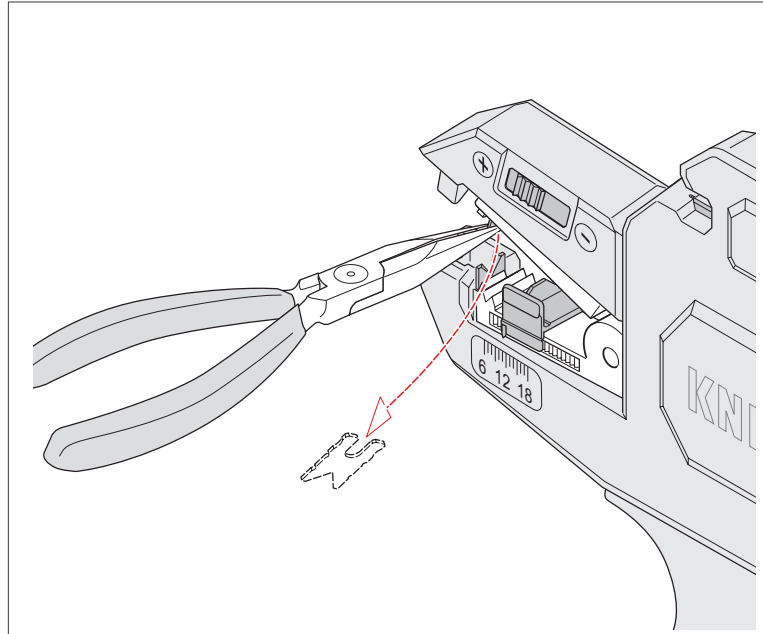


Removing the upper blade (screw-on blade version)

3. Put the new blade in same place and screw it tight.  
**Note:** Pay attention to the correct position. The cutting edges of the blade must point inwards (into the tool).

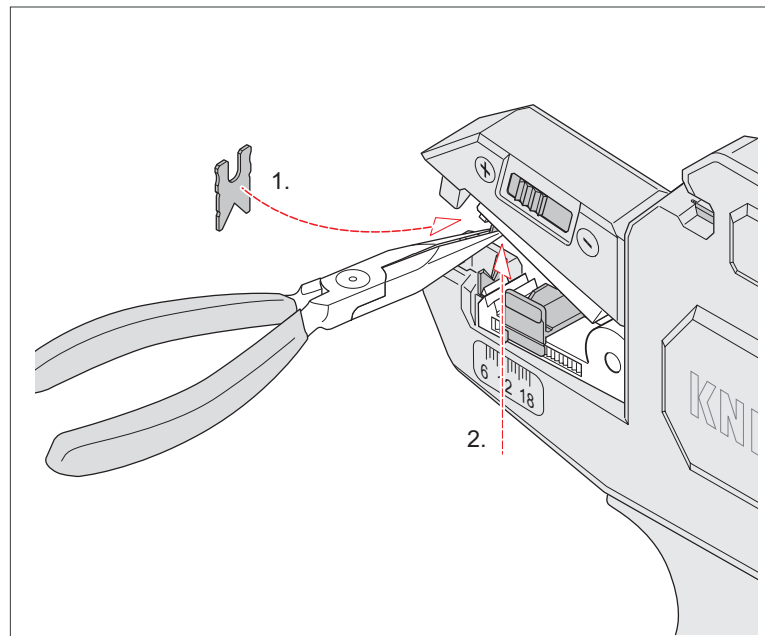
## 5.2.2 Changing the upper blade (push-in blade version)

1. Use a small flat nose pliers to pull out the top blade.



Removing the upper blade (push-in blade version)

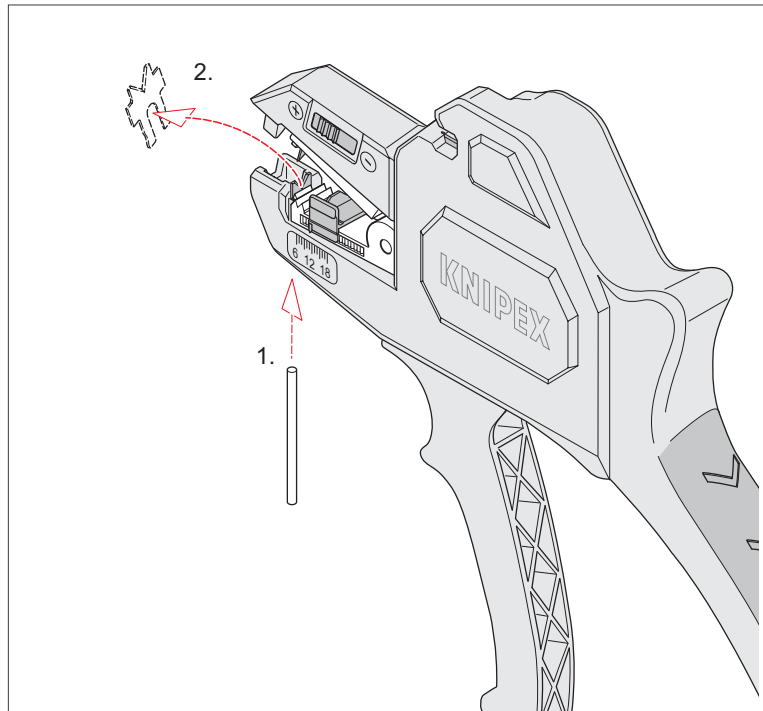
2. Use the flat nose pliers to push the new blade in at the same position. If necessary, press down a little with the pliers.  
**Note:** Pay attention to the correct position. The cutting edges of the blade must point inwards (into the tool).



Installing the upper blade (push-in blade version)

## 5.2.3 Replacing the bottom blade

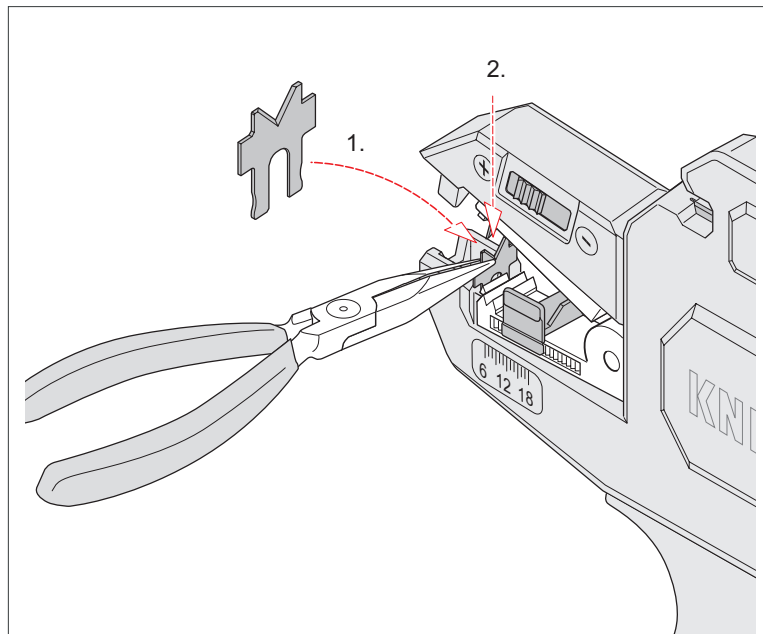
1. Use the metal pin provided to slide the bottom blade out from below.



Remove the bottom blade

2. Use the flat nose pliers to push the new blade in at the same position from above. If necessary, press down a little with the pliers.

**Note:** Pay attention to the correct position. The cutting edges of the blade must point outwards (away from the tool).



Installing the bottom blade

3. Dispose of the used blades properly.
4. Check that the wire stripper is working correctly by stripping a cable.

## 6 Technical data

Technical data	Unit	
Item number Pliers	–	12 62 180
Item number spare blades (upper blade pushed in)	–	12 69 21
Item number spare blades (upper blade screwed on)	–	12 69 21
Item number Spare length stop	–	12 69 23
Length	mm	180
Weight	g	151
Body material	–	Glass fibre reinforced plastic
Knife material	–	Special tool steel, oil-hardened
Capacity	mm <sup>2</sup>	0.2 ... 6.0
AWG	–	24 – 10

## 7 Disposal

The tool can be disposed of as household waste.



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