

# Wiha Electronic.

Precision for standard applications.

Hard, comfortable elastomer zones ensure low friction in the movement range of the fingers

Harmonious design of the front part of the handle for an optimum finger hold

The robust, ergonomic handle is carefully fixed to the pliers

Glare free gunmetal finish

Precision ground cutting edges

Arms made of soft, non-slip elastomer are gentle on the parts of the hand that are sensitive to pressure

The attractive wire cutter range which is suited to price conscious electronic professionals and demanding electronics DIY enthusiasts.

Use the Electronic diagonal cutter for the absolutely flush cutting of soft wires.

The Electronic long-nose pliers from Wiha hold small components and bend wires.



## Wiha Electronic.

- Die cut from high quality C70 steel, fundamental for the best technical properties
- Hardened in a feedback controlled atmosphere. Smooth surface without residue or distortions
- Precision ground cutting edges, ideal for smooth cuts and light-weight action cutting
- Depending on model, cutting edge hardness between 56 and 63 HRC, for good cutting results and long service life of cutting edge
- Glare free phosphatised heads. No risk of electronic components being damaged by flaking chrome particles
- Lay-on, riveted precision joint
- Individually inspected
- Patented opening spring with gentle resistance during cutting for sensitive work
- Velvet-soft, cadmium-free plastic handles with slim and ergonomic shape. Lies perfectly in the hand

## Diagonal cutters, wide shape.



### Z 41 1 03 Diagonal cutters Electronic.

Head shape: Wide, pointed head.  
 Design: Cutting edge with full flush cutter function.  
 With opening spring.  
 Material: C 70 special tool steel.  
 Application: For an absolutely flush cut of soft wires in the electronics industry.

Order-No.	mm	mm	mm	mm	mm	€/pc.
26818 3	138	5 ½	1.3	70	5	12.90

## Diagonal cutters, wide shape with wire trapping spring.



### Z 41 6 03 Diagonal cutters Electronic with wire trapping spring.

Head shape: Wide, pointed head.  
 Design: Cutting edge with full flush cutter function.  
 With opening spring and fixture for collecting ends of wires that have been cut off.  
 Material: C 70 special tool steel.  
 Cutting edges approx. 56 HRC.  
 Application: For an absolutely flush cut of soft wires in the electronics industry.

Order-No.	mm	mm	mm	mm	mm	€/pc.
26825 1	138	5 ½	1.3	80	5	14.60



### Z 41 3 03 Diagonal cutters Electronic.

Standards: DIN ISO 9654.  
 Head shape: Wide, pointed head.  
 Design: Cutting edge with semi-flush cutter function, thus also appropriate for medium hard wires.  
 Strong design for soft wires up to ø 2.0 mm.  
 With opening spring.  
 Material: C 70 special tool steel. Cutting edges > 60 HRC.  
 Application: Universal small diagonal cutter for cutting soft and medium hard wires in the electronics and precision mechanical engineering industries.

Order-No.	mm	mm	mm	mm	mm	€/pc.
26815 2	138	5 ½	2.0	0.8	80	19.20

## Wiha Info

Electronics pliers with cutting edges are designed especially for cutting soft to medium hard wires.

The diameters of materials which your electronics pliers are able to cut depend not only on the material selected and the hardness of the cutting edges but also depend greatly on the geometry of the cutting edges:

- Pliers with the full flush cutter function may cut off wires smoothly and flushly but are only appropriate for soft copper wires (99.85% pure copper)
- Pliers with the semi-flush and normal bevelled cutting edges function on the other hand may not cut in a totally flush manner but can cut thin iron wires or even medium hard steel wire
- You will find details of precise cutting results in the individual figures of pliers

### Details of cutting results of cutting pliers.

Symbol	Types of wire	Example	Tensile strength ca. N/mm <sup>2</sup>
○	Soft wire	Copper, aluminium	220 - 250
◐	Medium hard wire	Iron nail	750 - 800
◑	Hard wire	Spring wire, steel nails	1.600 - 1.800
●	Piano wire	Hardened spring steel	2.200 - 2.300

Test wires standardised in DIN ISO 5744

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## Diagonal cutters, narrow shape.



### Z 40 0 03 Micro diagonal cutter Electronic.

Head shape: Extra narrow, short head for working in particularly restricted spaces.  
 Design: Cutting edge with full flush cutter function.  
 With opening spring.  
 Material: C 70 special tool steel.  
 Application: For absolutely flush cutting of soft wires in places which are difficult to access in the electronics industry.

Order-No.	mm	II	○	⌋	⌋	€/pc.
26812 1	118	4 ½	0.8	60	5	13.40

## Diagonal cutters.



### Z 46 0 03 Oblique cutting nippers Electronic.

Head shape: Wide, pointed head.  
 Design: Cutting edge with full flush cutter function.  
 With cutting edge at 48° for cutting obliquely from above or from the side.  
 Material: C 70 special tool steel.  
 Application: For absolutely flush cutting of soft wires in places which are difficult to access in the electronics industry.

Order-No.	mm	II	○	⌋	⌋	€/pc.
26833 6	138	5 ½	1.3	70	5	13.50



### Z 40 1 03 Diagonal cutters Electronic with wire trapping spring.

Head shape: Narrow, pointed head.  
 Design: Cutting edge with full flush cutter function.  
 With opening spring and fixture for collecting ends of wires that have been cut off.  
 Material: C 70 special tool steel.  
 Application: For absolutely flush cutting of soft wires in places which are difficult to access in the electronics industry.

Order-No.	mm	II	○	⌋	⌋	€/pc.
26813 8	128	5	1.0	70	5	15.10



### Z 46 0 03 Micro oblique cutting nippers Electronic.

Head shape: Extremely narrow, short head for working in particularly restricted spaces.  
 Design: Cutting edge with full flush cutter function.  
 Edge at 30° to face end of pliers for cutting obliquely from above or from the side.  
 Material: C 70 special tool steel.  
 Application: For absolutely flush cutting of soft wires in places which are difficult to access in the electronics industry.

Order-No.	mm	II	○	⌋	⌋	€/pc.
26830 5	118	4 ½	0.6	60	5	17.10

## Details of cutting results of cutting pliers.

Symbol	Types of wire	Example	Tensile strength ca. N/mm²
○	Soft wire	Copper, aluminium	220 - 250
◐	Medium hard wire	Iron nail	750 - 800
◑	Hard wire	Spring wire, steel nails	1.600 - 1.800
●	Piano wire	Hardened spring steel	2.200 - 2.300

Test wires standardised in DIN ISO 5744

## Needle nose pliers.



### Z 36 0 03 Pointed pliers Electronic.

Head shape: Narrow, short head.  
 Design: With plain inside jaws. Width at tip is only 1.2 mm.  
 Material: C 70 special tool steel.  
 Application: For holding small components as well as for holding and angling wires.

Order-No.	mm	II	70	5	€/pc.
26801 5	135	5 ½	70	5	14.30

## Stripping pliers.



**NEW**

### Z 49 2 03 Electronic stripping pliers.

Head shape: Wide, long head with ridged gripping surface, shears blade and firm wire stripping stations.  
 Design: Wire stripping stations: 0.8 / 1.0 / 1.3 / 1.6 / 2.0 / 2.6 mm, AWG 20 / 18 / 16 / 14 / 12 / 10. With opening spring and locking mechanism.  
 Material: C 70 special tool steel.  
 Application: For gripping, cutting and stripping of wires with diameter.

Order-No.	mm	II	Ø	AWG	70	5	€/pc.
33471 0	180	7	0.81 - 2.59	20 - 10	70	5	15.60



**NEW**

### Z 49 7 03 Electronic stripping pliers.

Head shape: Wide, long head with ridged gripping surface, shears blade and firm wire stripping stations.  
 Design: Wire stripping stations: 0.4 / 0.5 / 0.6 / 0.8 / 1.0 / 1.3 mm, AWG 26 / 24 / 22 / 20 / 18 / 16. With opening spring and locking mechanism.  
 Material: C 70 special tool steel.  
 Application: For gripping, cutting and stripping of wires with diameter.

Order-No.	mm	II	Ø	AWG	70	5	€/pc.
33472 7	180	7	0.4 - 1.3	26 - 16	70	5	15.60

## Wiha Info

A variety of different pliers are required for electronics applications.

Simply contact us if you require different models for other applications.