

Wiha Professional ESD.

Precision for Electronic Professionals.

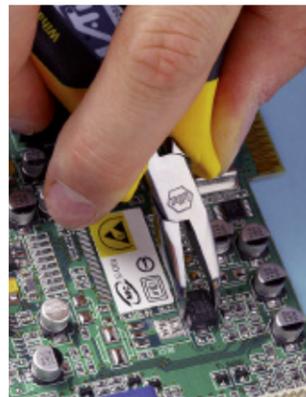


Wiha Professional ESD:

- Drop forged from the best selected, suitable carbon steels for the best technical properties
- Cutting edges are additionally induction hardened up to 64 HRC for maximum service life and cutting results
- Finely mirror polished heads provide safety as there are no flaking chrome particles preventing damage to electronic components. Low glare
- Precision box joint: close fit prevents distortion, low-wear for clearance and jolt-free movement
- Dual leaf springs and extremely ergonomic multi-component handle provide for comfortable, controlled and sensitive work
- Surface resistance of $10^6 - 10^9$ Ohm is appropriate for electronic work in ESD controlled areas as defined in IEC 61340-5-1 standard



The Professional ESD side-cutter with a broad, pointed head cut soft wires flush.



The Professional ESD needle-nose pliers are predominantly used for fine gripping and bending work.

Safety Notice:

Wiha Professional ESD pliers are non-insulated, therefore not suitable for working on live parts.

Side-cutter, Narrow, Pointed Shape.



Z 40 1 04 Diagonal Cutter Professional ESD.

Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Narrow, pointed head.
 Design: Bevelled cutting edges, individually tested, also appropriate for thin, hard wires. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For cutting different hardnesses of wires in places which are difficult to access.

Order-No.	mm	II	○	●	⊖	⊕
26808 4	115	4 ½	1.0	0.6	0.3	60



Z 40 4 04 Diagonal Cutter Professional ESD.

Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Extra narrow, short head for working in particularly restricted spaces.
 Design: Cutting edge almost without bevel for virtually flush cutting, individually tested. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For virtually flush cutting copper wire in flat places which are difficult to reach.

Order-No.	mm	II	○	⊖	⊕
26814 5	115	4 ½	1.0	60	5

Details of cutting results of cutting pliers.

Symbol	Types of wire	Example	Tensile strength ca. N/mm ²
○	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

Side-cutter, Broad, Pointed Shape.



Z 41 1 04 Diagonal Cutter Professional ESD.

Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Wide, pointed head.
 Design: Bevelled cutting edges, also appropriate for hard wires. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: All round electronic diagonal cutter for cutting wires of different hardnesses.

Order-No.	mm	II	○	●	⊖	⊕
26816 9	115	4 ½	1.4	1.0	0.4	60



Z 41 3 04 Diagonal Cutter Professional ESD.

Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Wide, pointed head.
 Design: Cutting edge without bevel for absolute flush cutting. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For absolutely flush cutting of copper wire.

Order-No.	mm	II	○	⊖	⊕
26821 3	115	4 ½	1.0	60	5



Z 41 4 04 Diagonal Cutters Professional ESD with Wire Trapping Spring.

Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Wide, pointed head.
 Design: With fixture for trapping ends of wires which have been cut off. Cutting edge with full flush cutter function for virtually flush cutting. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For virtually flush cutting copper wire, function for trapping cut off wire.

Order-No.	mm	II	○	⊖	⊕
26822 0	115	4 ½	1.2	60	5

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Side-cutter, Semi-circular Shape.



Z 43 1 04 Diagonal Cutter Professional ESD.
 Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Narrow, semi-circular head.
 Design: Cutting edge with full flush cutter function for virtually flush cutting. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For virtually flush cutting of copper wire in places which are difficult to access.

Order-No.	mm	II	○	⌒	⌒
26826 8	115	4 ½	1.2	60	5

Oblique End Cutters.



Z 46 1 04 Oblique End Cutting Nippers Professional ESD.
 Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Wide head, angled at 29°.
 Design: Cutting edge with full flush cutter function for virtually flush cutting. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For virtually flush cutting of soft wires. Can be used horizontally and vertically.

Order-No.	mm	II	○	⌒	⌒
26835 0	115	4 ½	1.2	78	5



Z 44 1 04 Diagonal Cutter Professional ESD.
 Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Wide, semi-circular head.
 Design: Bevelled cutting edges, also appropriate for thin, hard wires. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: All round electronic diagonal cutter for cutting wires of different hardnesses.

Order-No.	mm	II	○	○	○	⌒	⌒
26831 2	115	4 ½	1.4	1.0	0.4	60	5



Z 46 4 04 Oblique End Cutting Nippers Professional ESD.
 Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Extra narrow head.
 Design: Cutting edges angled at 40°. Cutting edge with full flush cutter function for virtually flush cutting. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For virtually flush cutting thin, soft wires in places which are particularly difficult to access.

Order-No.	mm	II	○	⌒	⌒
26838 1	110	4 ¼	0.6	42	5



Z 44 3 04 Diagonal Cutter Professional ESD.
 Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Wide, semi-circular head.
 Design: Cutting edge with full flush cutter function for virtually flush cutting. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For virtually flush cutting of soft wires.

Order-No.	mm	II	○	⌒	⌒
26832 9	115	4 ½	1.2	60	5



Z 47 1 04 End Cutting Nippers Professional ESD.
 Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Extra narrow, slim shape.
 Design: Cutting edge with full flush cutter function for virtually flush cutting. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For virtually flush cutting of soft wires in places which are particularly difficult to access.

Order-No.	mm	II	○	⌒	⌒
26839 8	110	4 ¼	0.6	65	5

End Cutters and Gripping Pliers.



Z 47 2 04 End Cutting Nippers Professional ESD.
 Standards: DIN ISO 9654. IEC 61340-5-1.
 Head shape: Wide head.
 Design: Cutting edge with full flush cutter function for virtually flush cutting. Maximum service life of cutting edge achieved through additional inductive hardening to approx. 64 HRC. With opening spring.
 Material: High alloy carbon steel C 60.
 Application: For frontal, virtually flush cutting of thicker, soft wires.

Order-No.	mm	II	○	⌒	⌒
26840 4	115	4 ½	1.4	65	5



Z 36 0 04 Needle Nose Pliers Professional ESD.
 Standards: DIN ISO 9655. IEC 61340-5-1.
 Head shape: Straight head.
 Design: Fine, semi-circular tips. Ridged gripping surfaces. With opening spring.
 Material: C 45 Special tool steel, hardened and tempered.
 Application: Mainly for precision gripping and bending work.

Order-No.	mm	II	A	B	D	F	⌒	⌒
26799 5	120	4 ¾	9.5	23	6.5	1.4	60	5
27905 9	145	5 ¾	12.0	40	7.5	2.0	93	5



Z 36 1 04 Needle Nose Pliers Professional ESD.
 Standards: DIN ISO 9655. IEC 61340-5-1.
 Head shape: Angled at 45°.
 Design: Fine, semi-circular tips. Smooth gripping surfaces. With opening spring.
 Material: C 45 Special tool steel, hardened and tempered.
 Application: Mainly for precision gripping and bending work.

Order-No.	mm	II	⌒	⌒
26802 2	120	4 ¾	60	5

Gripping Pliers.



Z 37 0 04 Round Nose Pliers Professional ESD.
 Standards: DIN ISO 9655. IEC 61340-5-1.
 Head shape: Round, short jaws.
 Design: Smooth gripping surfaces. With opening spring.
 Material: C 45 Special tool steel, hardened and tempered.
 Application: Mainly for precision gripping and bending work.

Order-No.	mm	II	⌒	⌒
26804 6	120	4 ¾	60	5



Z 38 0 04 Flat Nose Pliers Professional ESD.
 Standards: DIN ISO 9655. IEC 61340-5-1.
 Head shape: Flat, short jaws.
 Design: Smooth gripping surfaces. With opening spring.
 Material: C 45 Special tool steel, hardened and tempered.
 Application: Mainly for precision gripping and bending work.

Order-No.	mm	II	⌒	⌒
26806 0	120	4 ¾	60	5

Wiha Info

A variety of different pliers are required for electronics applications. Simply contact us if you require different models for other applications.