

# Cutters



## Erem will impress you

### Induction hardened blades in Rockwell hardness 63 – 65 HRC

- for exceptionally long life

### Internal patented Erem Magic Spring

- constant spring force
- more than 1 million cutting cycles guaranteed

### High Precision screw joint

- smooth cutting action
- wobble free operation with no blade overlap

### Erem Cut

- special cutting blade for achieving the desired cutting shape

### MagicSense shaped handle with Softtouch feature

- for high comfort, better grip and added safety

### EMOS maximum opening stop

- limits blade opening to 5 mm maximum
- reduces operator fatigue by preventing excessive hand spread

# Advantages, Specifications and Listings

## Technology

### Special tool steel

Machined from high grade laminated tool steel for strength and toughness

### Invisible Erem Magic Spring licensed

- return Magic Spring internally mounted
- constant opening and closing force
- 1 million operations guaranteed

### Selflocking screwing system

- machined surfaces hold together by an interlocking precision screw
- ensures wobble free operation
- eliminates blade overlap

### Blade opening limited to 5 mm

reduces operator fatigue by limiting the handle spread

## Cut – blade specificity

### Blade hardening

by induction heat treatment to 63–65 HRc Rockwell to impart strength and long life



#### 1. Semi Flush

for general cutting applications in which the shape of the cut is not important. Leaves a wedge shape on the material to be cut. For hard and soft wires, robust and long lasting.



#### 2. Flush

for soft steel and copper wires. The cutting effort is reduced and the component is subjected to less shock. A much smaller wedge shape is left on the material to be cut. Used for general purpose cutting, or where greater precision is required.



#### 3. Super Full Flush

This cut provides absolutely flush wire ends. For copper wires. Reducing pressure on sensitive components and shock absorbing.

## Service

### Resharpener

Free of charge resharpener on almost all cutters that have failed through normal wear (up to 3 times)

### Erem guarantees

perfect functioning of cutters / pliers and the quality of the steel. Each tool being made with care and precision.



ESD safe

## Series 2400 MagicSense

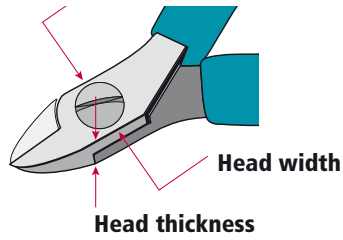
### Grips

- soft for operator and reduce fatigue
- firm for increased operator control
- non slip for better grip

### Ergonomic shape


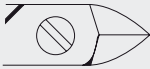





- automatically positions the operators hand to spread pressure evenly over the tool handles to reduce the incidence of trauma disorders to the fingers, hand, wrist and arm

# Erem Series



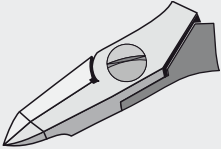
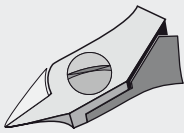
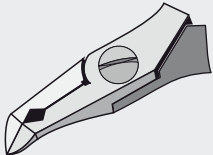
Erem offers the right head size to suit every application. There are three main sizes: Micro, Medium and Maxi.

Each head size is available in different head shapes.

Micro	Medium		Maxi
			
<b>Serie 600</b>	<b>Serie 2400 MagicSense</b>	<b>Serie 500</b>	<b>Serie 800</b>
			
<b>Size</b>			
Head width 9,0 mm	Head width 11,0 mm	Head width 11,0 mm	Head width 13,5 mm
Head thickness 6,0 mm	Head thickness 6,0 mm	Head thickness 6,5 mm	Head thickness 7,5 mm
<p>Miniature cutter for applications in microelectronics and for fine wires. Offers a large variety of head shapes for very good access even to hard-to-reach areas.</p>	<p>Medium-size cutter. Combines robustness, visibility and accessibility. Large variety of head shapes for precision working in hard-to-reach areas. The Series 2400 MagicSense offers an optimised ergonomic shape and an improved grade of hardness.</p>		<p>The strongest and most robust head size for general cutting applications in electronics, cuts large wire diameters.</p>

# How to choose the right tool?

Erem offers the right head shape to suit your application. The head shapes differ in terms of shape and design. There are six basic shapes:

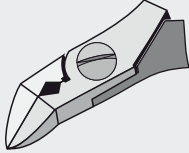
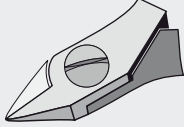
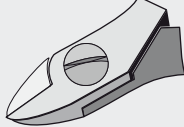
Shape	Tip Cutter Straight relieved head	Tip Cutter Pointed relieved head	Tip Cutter Angled, narrow head
<b>Visibility and accessibility</b> Cutting at the outermost tip of the cutter			
	This head is suitable for horizontal and vertical cuts. The long tips facilitate cutting in hard-to-reach areas.	This is the narrowest head shape. The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.	The angled head provides for precise cuts at different working angles.
<b>Series 600 Micro</b>	670E*, 670EP*, 670EPF* (p. 25)	622NB, 632NCF, 676E, 776E (p. 25)	
<b>Series 2400 MagicSense</b>	2470E (p. 27)		2475E, 2482E (p. 27)
<b>Series 500 Medium</b>	570E, 573E** (p. 31)	592E, 792E (p. 31)	555E, 572E, 575E, 582E, 593AE (p. 30)
<b>Series 800 Maxi</b>		884E (p. 33)	

\* very short head

\*\* straight head for vertical working

## Wire definition

- Piano wire, stainless spring steel wire, material 1.4310, tensile strength 2000–2400 MPa
- Hard wire, stainless steel wire, material 1.4301, tensile strength 1800 MPa
- Medium-hard wire, stainless steel wire, material 1.4301, tensile strength 800 MPa
- Soft wire, copper, aluminium, tensile strength 250 MPa

	Tip Cutter Angled wide head	Side Cutter Tapered head	Side Cutter Oval head
			
	The angled head provides for precise cuts at different working angles.	One side of the cutter is tapered, enabling the user to work even in hard-to-reach areas without reducing the cutting capacity.	This is the standard head shape. It is used for all cutting jobs in easy-to-reach areas. The solid head provides for a high cutting capacity and is characterised by its robustness.
		622NA (p. 24)	612N, 622N, 632N (p. 24)
	2403E, 2404E (p. 27)	2477E (p. 26)	2412E, 2422E, 2432E (p. 26)
	503E, 504E (p. 29)	577E, 595E (p. 29)	512E, 512N, 522N, 532N, 599E (p. 28)
		886E (p. 33)	812N, 822N, 896E (p. 32)

**High cutting capacity**  
Cutting over the full length of the cutter

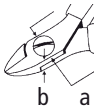
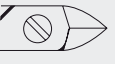
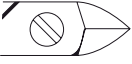

**Erem offers carbide cutters for (see P. 34/35) for cutting high-hardness wire (piano wire).**

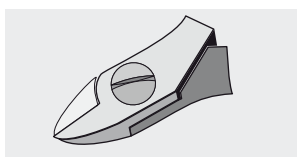
# Cutters

## Side- and Tip Cutters

### Series 600 Micro – high grade tool steel, ESD safe, resharpenable

Miniature cutters for extremely fine electronics offering improved access into confined areas.

	Micro	Medium	Maxi	
				
	<b>Series 600</b>	<b>New</b> Series 2400 MagicSense	Series 500	Series 800
Width a	9,0 mm	11,0 mm	11,0 mm	13,5 mm
Thickness b	6,0 mm	6,0 mm	6,5 mm	7,5 mm



### Side Cutters – oval head

The most common cutting head for standard cutting applications. The robust cutting head allows high cutting capability.



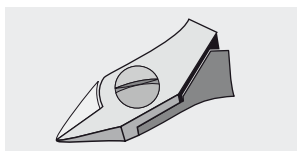
Model/Order No.	Description
<b>612N</b>	Side cutter semi flush cut, small head for very good access, medium hard wire 0,8 mm, hard wire 0,5 mm, Cu 1,3 mm, 110 mm, 48 g



<b>622N</b>	Side cutter flush cut, small head for very good access, medium hard wire 0,8 mm, Cu 1,3 mm, 110 mm, 48 g
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<b>632N</b>	Side cutter super full flush cut, small head for very good access, medium hard wire 0,7 mm, Cu 1,3 mm, 110 mm, 48 g
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### Side Cutters – tapered head

Small tapered head for cutting application in dense working areas.



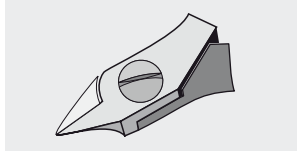
Model/Order No.	Description
<b>622NA</b>	Side cutter flush cut, medium hard wire 0,7 mm, Cu 1,0 mm, 110 mm, 48 g

Optional: Safety lead device + 12,60 Euro holds wire scraps after cutting.

Note: For all side cutters series 500, 600 and 2400. Add "W" when ordering, e. g. 595EW  
Wire definitions see p. 22

# Cutters

## Side- and Tip Cutters



### Tip Cutters – tapered and relieved head

Fine cutter head. One side is cut away for access even in confined areas.



Model/Order No.	Description
<b>622NB</b>	Side cutter flush cut, super fine relieved head, allows very good access, medium hard wire 0,6 mm, Cu 0,8 mm, 110 mm, 48 g



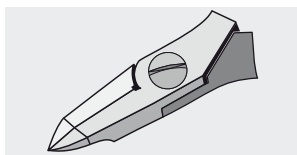
<b>676E</b>	Side cutter flush cut, same as 622NB, short cutting head and more robust medium hard wire 0,6 mm, Cu 0,8 mm, 110 mm, 48 g
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<b>776E</b>	Side cutter super full flush cut, miniature side cutter, super fine relieved head, allows very good access, medium hard wire 0,6 mm, Cu 0,8 mm, 110 mm, 48 g
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<b>632NCF</b>	Side cutter super full flush cut, only for soft materials 110 mm, 48 g
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### Tip Cutters – straight tapered and relieved head

Fine cutter head allows access even in confined areas.



Model/Order No.	Description
<b>670E</b>	Tip cutter, flush cut, vertical, short head, medium hard wire 0,5 mm, Cu 0,8 mm, 110 mm, 48 g



<b>670EP</b>	Tip cutter, flush cut, vertical, very precise, short head, for PCBs and micro packages up to 0,25 mm, medium hard wire 0,4 mm, Cu 0,6 mm, 110 mm, 48 g
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<b>670EPF</b>	Same as 670EP, but finer version for micro pitches under 0,5 mm, short head, 110 mm, 48 g
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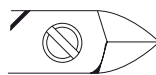
# Cutters

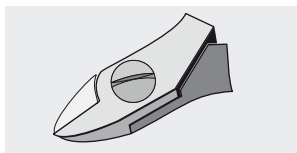
## Side- and Tip Cutters

**NEW**

### Series 2400 MagicSense – high grade tool steel, ESD safe, resharpenable

Medium size. Combines robustness, view and accessibility. The series 2400 MagicSense offers optimal ergonomic shape and very high hardness grade.

	Micro	Medium	Maxi
			
	<b>Series 600</b> <b>New</b>	<b>Series 2400 MagicSense</b>	<b>Series 500</b>
Width a	9,0 mm	11,0 mm	11,0 mm
Thickness b	6,0 mm	6,0 mm	6,5 mm



### Side Cutters – oval head

The most common cutting head for standard cutting applications. The robust cutting head allows high cutting capability.



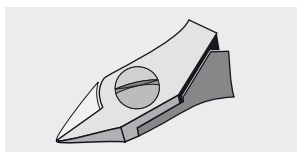
Model/Order No.	Description
<b>2412E</b>	Semi flush cut, robust cutting head for general cutting applications, high cutting capability, medium hard wire 1,0 mm, hard wire 0,5 mm, Cu 1,6 mm, 130 mm



<b>2422E</b>	Flush cut, robust head for general cutting applications, high cutting capability, for soft wire, medium hard wire 1,0 mm, Cu 1,6 mm, 130 mm
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<b>2432E</b>	Super full flush cut, rasor blades cut medium hard wire 0,8 mm, Cu 1,6 mm, 130 mm
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### Side Cutters – tapered head

Small tapered head for cutting application in dense working areas.

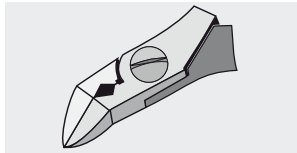


Model/Order No.	Description
<b>2477E</b>	Flush cut, tapered head, for cutting application in dense working areas, medium hard wire 1,0 mm, Cu 1,3 mm, 127 mm

Wire definitions see p. 22

# Cutters

## Side- and Tip Cutters

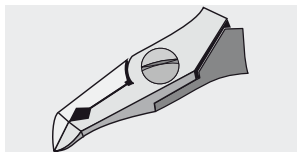


### Tip Cutters – angled, wide head

Angled head for precision, reach and operator visibility.



Model/Order No.	Description
2403E	Flush cut, blunt and robust cutting head, very precise cut, tip cutter for general cutting applications, angled 30° medium hard wire 1,0 mm, Cu 1,6 mm, 130 mm
2404E	Flush cut, same as 2403E, but with fine and rounded head, angled 30° medium hard wire 0,8 mm, Cu 1,3 mm, 130 mm

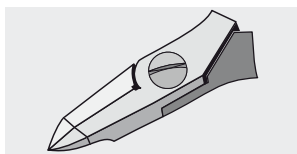


### Tip Cutters – angled, narrow head

Angled head for precision, reach and operator visibility.



Model/Order No.	Description
2482E	Flush cut, medium size, especially for cutting on circuit boards and DIL, for 90° and 180° operation cuts, angled 45° medium hard wire 0,6 mm, Cu 1,2 mm, 135 mm
2475E	Flush cut, for fine work at hybrid or micro component, allows very good access, angled 45° medium hard wire 0,4 mm, Cu 0,6 mm, 135 mm



### Tip Cutters – straight, tapered and relieved head

Long, fine straight, tapered head for good access to narrow places.



Model/Order No.	Description
2470E	Flush cut, angled head, for horizontal cutting and good access to narrow places, tip cutter for cutting at the extreme tip, medium hard wire 0,4 mm, Cu 0,6 mm, 140 mm

Optional: Safety lead device + 12,60 Euro holds wire scraps after cutting.

Note: For all side cutters series 500, 600 and 2400. Add "W" when ordering, e. g. 595EW

Info: Pliers of series 2400 MagicSense see chapter pliers.

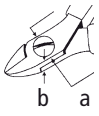

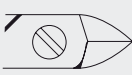
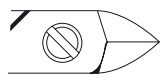
Wire definitions see p. 22

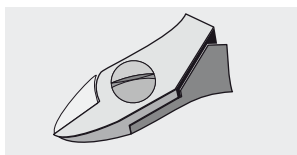
# Cutters

## Side- and Tip Cutters

### Series 500 Medium – high grade tool steel, ESD safe, resharpenable

Medium size. Combines robustness, view and accessibility. Big variety of cutting heads for precise cutting in dense working areas.

	Micro		Medium	Maxi
				
	<b>Series 600</b>	<b>New</b> <b>Series 2400</b> <b>MagicSense</b>	<b>Series 500</b>	<b>Series 800</b>
Width a	9,0 mm	11,0 mm	11,0 mm	13,5 mm
Thickness b	6,0 mm	6,0 mm	6,5 mm	7,5 mm



### Side Cutters – oval head

The most common cutting head for standard cutting applications. The robust cutting head allows high cutting capability.



#### Model/Order No.

#### Description

**512N**

Side cutter semi flush cut, economical line, robust, for general cutting applications and precise working, high cutting capability, medium hard wire 1,0 mm, hard wire 0,5 mm, Cu 1,6 mm, 115 mm, 67 g



**512E**

Side cutter semi flush cut, same as 512N but burnished head, medium hard wire 1,0 mm, hard wire 0,5 mm, Cu 1,6 mm, 115 mm, 67 g



**522N**

Side cutter flush cut, economical line, robust, for general cutting applications and precise working, high cutting capability, medium hard wire 1,0 mm, Cu 1,6 mm, 115 mm, 67 g



**599E**

Side cutter flush cut, with short and robust head, medium hard wire 1,0 mm, Cu 1,6 mm, 115 mm, 67 g

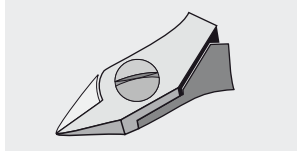


**532N**

Side cutter super full flush cut, for precise cutting, with very sharp cut, medium hard wire 0,8 mm, Cu 1,6 mm, 115 mm, 67 g

# Cutters

## Side- and Tip Cutters



### Side Cutters – tapered head

The small tapered cutter allows cutting in dense working areas.



#### Model/Order No.

#### Description

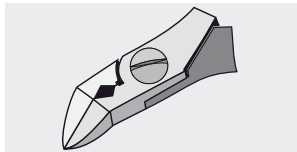
595E

Side cutter flush cut, small tapered head for cutting in dense working areas, medium hard wire 1,0 mm, Cu 1,3 mm, 115 mm, 67 g



577E

Side cutter flush cut, small short tapered head for cutting in dense working areas, medium hard wire 1,0 mm, Cu 1,3 mm, 115 mm, 67 g



### Tip Cutters – angled, wide head

Angled head for precision, reach and operator visibility.



#### Model/Order No.

#### Description

503E

Tip cutter flush cut 30°, wide and robust cutting head but precise cut, for general cutting applications, medium hard wire 1,0 mm, Cu 1,6 mm, 110 mm, 67 g



504AE

Tip cutter flush cut 30°, same as 503E but with fine rounded head, medium hard wire 0,8 mm, Cu 1,3 mm, 110 mm, 67 g

Optional: Safety lead device + 12,60 Euro holds wire scraps after cutting.

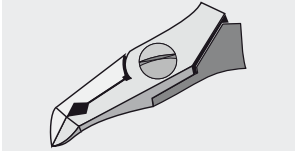
Note: For all side cutters series 500, 600 and 2400. Add "W" when ordering, e. g. 595EW

Info: Pliers of series 500 see chapter pliers.

Wire definitions see p. 22

# Cutters

## Side- and Tip Cutters



### Tip Cutters – angled, narrow head

Angled head for precision, reach and operator visibility.



#### Model/Order No.

#### Description

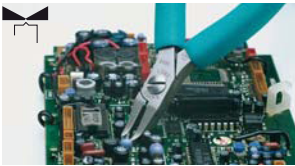
**555E**

Tip cutter flush cut 35°, small cutting head, strong version, for cutting applications in confined areas where high cutting capacity is required, medium hard wire 0,6 mm, Cu 1,3 mm, 120 mm, 68 g



**572E**

Tip cutter flush cut 40°, relieved jaws for easier access, medium hard wire 0,6 mm, Cu 1,3 mm, 115 mm, 68 g



**582E**

Tip cutter flush cut 45°, ideal for working on PCBs or cutting component leads, „Anti Overbite System“ avoids blades overlapping, medium hard wire 0,6 mm, Cu 1,3 mm, 115 mm, 68 g



**582EW**

flush cut, small tapered head for access even in confined areas, same as 582E but with safety lead service, medium hard wire 0,6 mm, Cu 1,3 mm, 115 mm, 67 g



**593AE**

Tip cutter flush cut 30°, cut easily DIL leads from the rear, cut pins on dense PCBs, medium hard wire 0,4 mm, Cu 1,0 mm, 115 mm, 68 g



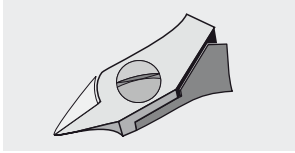
**575E**

Tip cutter flush cut 45°, very small cutting head, for dedicate work on hybrid circuits or micro modules, medium hard wire 0,2 mm, Cu 0,6 mm, 110 mm, 67 g

Wire definitions see p. 22

# Cutters

## Side- and Tip Cutters



### Tip Cutters – tapered and relieved head

Fine cutter head. One side is cut away for access even in confined areas.



#### Model/Order No.

#### Description

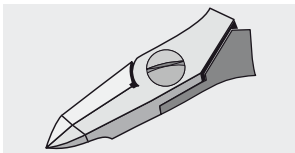
592E

Side cutter flush cut,  
medium hard wire 0,4 mm, Cu 0,8 mm,  
115 mm, 67 g



792E

Side cutter super full flush cut, very sharp cut,  
medium hard wire 0,4 mm, Cu 0,6 mm,  
115 mm, 67 g



### Tip Cutters – straight, tapered and relieved head

Fine and narrow cutter head allows access in confined areas.



#### Model/Order No.

#### Description

570E

Tip cutter flush cut, horizontal  
for cutting at extreme tips,  
medium hard wire 0,4 mm, Cu 0,6 mm,  
120 mm, 67 g

### Tip Cutters – oval head for vertical tip cutting



#### Model/Order No.

#### Description

573E

Tip cutter flush cut, for soft wire,  
Cu 0,8 mm,  
120 mm, 67 g

Optional: Safety lead device + 12,60 Euro holds wire scraps after cutting.


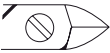

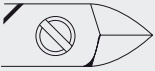
Note: For all side cutters series 500, 600 and 2400. Add "W" when ordering, e. g. 595EW

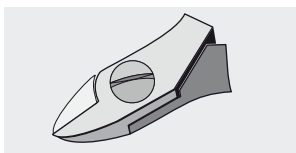
# Cutters

## Side- and Tip Cutters

### Series 800 Maxi – high grade tool steel, ESD safe, resharpenable

The strongest and toughest series. Cut relatively large wire sizes.

	Micro	Medium	Maxi
			
	Series 600	<b>New</b> Series 2400 MagicSense	Series 500
Width a	9,0 mm	11,0 mm	11,0 mm
Thickness b	6,0 mm	6,0 mm	6,5 mm
			Series 800



### Side Cutters – oval head

The most common cutting head for standard cutting applications. The robust cutting head allows high cutting capability.



**Model/Order No.**  
**812N**

#### Description

Side cutter semi flush cut, robust head,  
medium hard wire 1,2 mm, hard wire 0,6 mm, Cu 1,8 mm,  
120 mm, 67 g



**896E**

Side cutter semi flush cut, for hard wire,  
Kovar wire, connector pins,  
medium hard wire 1,2 mm, hard wire 0,6 mm, Cu 1,8 mm,  
120 mm, 67 g



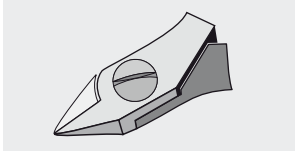
**822N**

Side cutter flush cut,  
medium hard wire 1,2 mm, Cu 1,8 mm,  
120 mm, 67 g

Wire definitions see p. 22

# Cutters

## Side- and Tip Cutters

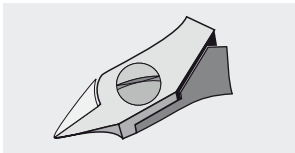


### Side Cutters – tapered head

Small tapered head for cutting application in dense working areas.



Model/Order No.	Description
886E	Side cutter flush cut, with robust, tapered head, medium hard wire 1,0 mm, Cu 1,8 mm, 120 mm, 83 g



### Tip Cutters – tapered and relieved head

The smallest head shape. One side is cut away for access even in confined areas.



Model/Order No.	Description
884E	Side cutter flush cut, with robust, tapered head, medium hard wire 0,8 mm, Cu 1,8 mm, 120 mm, 81 g

Optional: Safety lead device + 12,60 Euro holds wire scraps after cutting.

Note: For all side cutters series 500, 600 and 2400. Add "W" when ordering, e. g. 595EW

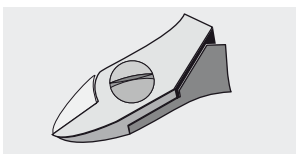


# Cutters

## Side- and Tip Cutters

### Tungsten Hard Metal Cutters – high grade tool steel, ESD safe, resharpenable

High grade tool steel, Tungsten Carbide blades, for constant load. High precision side cutter for stainless and hard wires like Nickel plated wire and cored-wire electrode. Piano until 60 HRC.

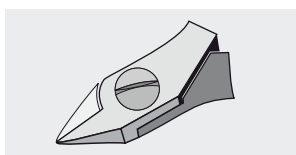


#### Side Cutters – oval head

The most common cutting head for standard cutting applications. The robust cutting head allows high cutting capability.



Model/Order No.	Description
622TX	Flush cut, miniature side cutter, small head, piano wire 0,2 mm, medium hard wire 0,6 mm, hard wire 0,4 mm, Cu 1,2 mm, 115 mm, 67 g
599T	Semi flush cut, robust side cutter, Tungsten Carbide blades, for standard cutting applications, high cutting capability, piano wire 0,6 mm, medium hard wire 1,0 mm, hard wire 0,8 mm, Cu 1,5 mm, 115 mm, 67 g
599TF	Flush cut, robust side cutter, Tungsten Carbide blades, for standard cutting applications, high cutting capability, piano wire 0,6 mm, medium hard wire 1,0 mm, hard wire 0,8 mm, Cu 1,5 mm, 115 mm, 67 g



#### Side Cutters – tapered head

Small tapered head for cutting application in dense working areas.



Model/Order No.	Description
595T	Side cutter semi flush cut, Tungsten Carbide blades, piano wire 0,4 mm, medium hard wire 0,8 mm, hard wire 0,6 mm, Cu 1,5 mm, 115 mm, 67 g
595TF	Side cutter flush cut, Tungsten Carbide blades, piano wire 0,4 mm, medium hard wire 0,8 mm, hard wire 0,6 mm, Cu 1,5 mm, 115 mm, 67 g



Wire definitions see p. 22

# Cutters

## Side- and Tip Cutters

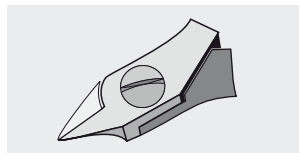
### Side Cutters – tapered head (continued)



Model/Order No.	Description
2476TX1	Flush cut, small head allows very good access, fine tips, high precision side cutter series 2400 (MagicSense) for piano wire 0,3 mm, medium hard wire 0,5 mm, hard wire 0,4 mm, Cu 1,0 mm



576TX1	Flush cut, small head allows very good access, fine tips, high precision side cutter for piano wire 0,3 mm, medium hard wire 0,5 mm, hard wire 0,4 mm, Cu 1,0 mm
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### Tip Cutters – tapered and relieved head

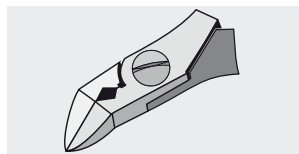
The smallest head shape. One side is cut away for access even in confined areas.



Model/Order No.	Description
2476TX	Flush cut, high precision tip cutter series 2400 (MagicSense), very fine tips, piano wire 0,1 mm, medium hard wire 0,3 mm, hard wire 0,2 mm, Cu 1,0 mm



576TX	Flush cut, high precision tip cutter, Tungsten Carbide blades, very fine tips, piano wire 0,1 mm, medium hard wire 0,3 mm, hard wire 0,2 mm, Cu 1,0 mm, 115 mm, 67 g
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### Tip Cutters – angled, wide head

Angled head for precision, reach and operator visibility.



Model/Order No.	Description
503ET	Tip cutter semi flush cut 30°, Tungsten Carbide blades, wide and robust head but fine cut, piano wire 0,4 mm, medium hard wire 0,8 mm, hard wire 0,6 mm, Cu 1,2 mm, 110 mm, 67 g



503ETF	Same as 503ET but flush cut, Tungsten Carbide blades, piano wire 0,4 mm, medium hard wire 0,8 mm, hard wire 0,6 mm, Cu 1,2 mm, 110 mm, 67 g
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# Cutters

## Specials / Pneumatic Side + Tip Cutters

### Specials – high grade tool steel, ESD safe



Model/Order No.	Description
147A	Side cutter semi flush cut, compound action, Cu 1,8 mm, 120 mm, 100 g



884EPCM	Side cutter flush cut, for PCB separation only, 115 mm, 79 g
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632NCF	Miniature side cutter super full flush cut, ergonomical line, designed for soft materials like small Silicone tubing, miniature rubber gaskets or cutting of molded soft synthetic parts, 110 mm, 67 g
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599FO	Side cutter for Kevlar silks only, 115 mm, 67 g
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599TFO	Side cutter semi flush cut, high grade tool steel, Tungsten Carbide blades, for cutting fibre optics, Kevlar, vectran braided wires or small stainless wires, 115 mm, 67 g
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### Pneumatic Side + Tip Cutters



Model/Order No.	Description
1500BSF	Pneumatic cutter housing, 130 mm, 130 g

# Cutters

## Pneumatic Side + Tip Cutters

### Cutting Heads for 1500BSF Side Cutters – Oval Head



Model/Order No.	Description
	Cutting head semi flush cut, high grade tool steel, max. Cu 1,6 mm



<b>1522N</b>	Cutting head flush cut, high grade tool steel, max. Cu 1,6 mm
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### Side Cutters – Tapered Head



Model/Order No.	Description
<b>1522NA</b>	Cutting head flush cut, high grade tool steel, max. Cu 1,4 mm

### Side Cutters – relieved head



Model/Order No.	Description
<b>1522NB</b>	Cutting head flush cut, high grade tool steel, max. Cu 1,2 mm

### Tip Cutters – angled head



Model/Order No.	Description
<b>1503E</b>	Cutting head flush cut 30°, high grade tool steel, max. Cu 1,2 mm

# Cutters

## Distance Cutters

### Distance Cutters – high grade tool steel, ESD safe Fixed Cutting Height (= F)



Model/Order No.	Description
530E06	Distance cutter, flush cut, F = 0,6 mm, max. Cu 1,2 mm, 120 mm, 67 g
530E08	Distance cutter, flush cut, F = 0,8 mm, max. Cu 1,2 mm, 120 mm, 67 g
530E10	Distance cutter, flush cut, F = 1,0 mm, max. Cu 1,2 mm, 120 mm, 67 g
530E12	Distance cutter, flush cut, F = 1,2 mm, max. Cu 1,2 mm, 120 mm, 67 g
530E13	Distance cutter, flush cut, F = 1,3 mm, max. Cu 1,2 mm, 120 mm, 67 g
530E15	Distance cutter, flush cut, F = 1,5 mm, max. Cu 1,2 mm, 120 mm, 67 g
530E18	Distance cutter, flush cut, F = 1,8 mm, max. Cu 1,2 mm, 120 mm, 67 g
530E20	Distance cutter, flush cut, F = 2,0 mm, max. Cu 1,2 mm, 120 mm, 67 g

# Cutters

## Distance Cutters

### Distance Cutters – high grade tool steel, ESD safe Fixed Cutting Height (= F), angle 45°



Model/Order No.	Description
549E	Distance cutter, flush cut, F = 1,5 mm, max. Cu 1,2 mm, 120 mm, 67 g
549E10	Distance cutter, flush cut, F = 1,0 mm, max. Cu 1,2 mm, 120 mm, 67 g
549E12	Distance cutter, flush cut, F = 1,2 mm, max. Cu 1,2 mm, 120 mm, 67 g

### Distance Cutters – high grade tool steel, ESD safe Adjustable Cutting Height (= V)



Model/Order No.	Description
530E15A	Distance cutter, flush cut, V = 1,2 to 6 mm, max. Cu 1,2 mm, 120 mm, 70 g
573EB	Distance cutter, plastic anvil, flush cut, V = 0 to 5 mm, max. Cu 0,8 mm, 115 mm, 70 g