Side cutters and tip cutters

FOR ALMOST EVERY APPLICATION

Internal patented Erem Magic Spring

The Magic Spring system used in Erem precision tools is unique. It is integral to the cutting head and provides a constant closing and re-opening force.

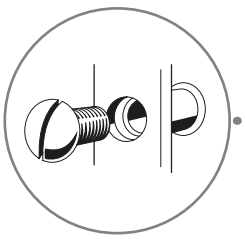
It is highly reliable, makes the tools easy to use and reduces operator fatigue.

- Reduce costs thanks to long life
- Constant spring force
- Guarantees more than 1 million operations

High-precision screw joint

This self locking screw joint system gives a smooth cutting and opening action and ensures that there is no blade overlap or play.

- Smooth jaw action with no play
- Smooth cutting operation with no jaw overlapping



Induction-hardened cutting edges

The cutting blades of Erem cutters are hardened to Rockwell 63-65 HRc by an induction-heating process.

- High durability thanks special material selection

Special tool steel

Erem electronics tools are made from bright steel. They are not drop forged. The special tool steel is made using a unique Swiss processing technique.

- The bright tool steel gives additional strength and toughness to the tools to promote a long service life.

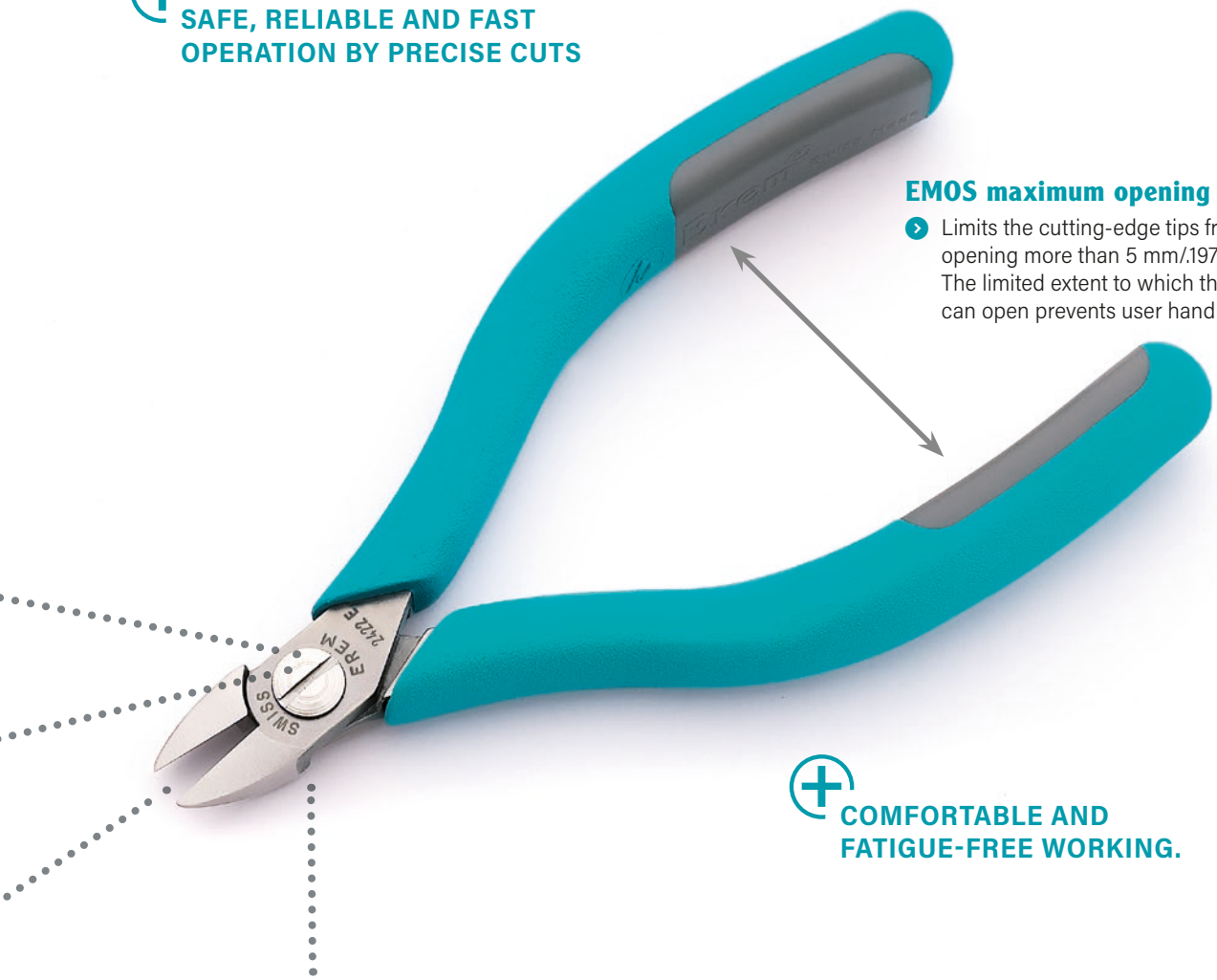
ESD-safe

The interchangeable foam-cushion handles are ESD-safe and are fitted as standard on all Erem cutters and pliers.

Ergonomically shaped handles

- For high comfort, better grip and added safety.

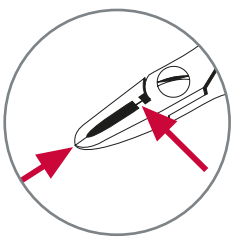
SAFE, RELIABLE AND FAST OPERATION BY PRECISE CUTS



EMOS maximum opening stop

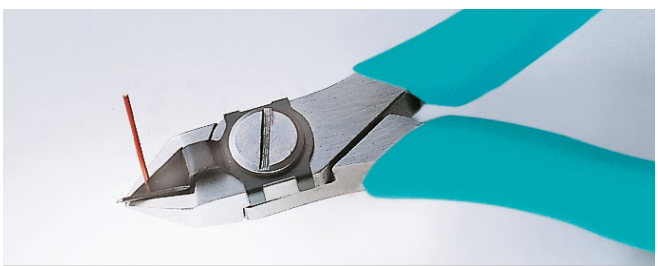
- Limits the cutting-edge tips from opening more than 5 mm/.197 inch. The limited extent to which the handles can open prevents user hand fatigue.

COMFORTABLE AND FATIGUE-FREE WORKING.



Erem cutting-edge protection for tip cutters

All tip cutters are fitted with a special stop system which prevents the cutting edges from overlapping.



Safety device for holding wire scraps

This safety device for side cutters holds wire scraps securely after cutting. Available on most 500, 600 and 2400 series cutters (oval head). Order suffix "W" e.g. 595EW.

Cut shape

There are three blade options, which determine the shape left on a lead after cutting.

Semi-flush

This cut leaves a pyramidal tip at the end of the wire. It is particularly suitable for standard jobs where the final shape does not play a significant role. Cutters with this cut are suitable for both soft copper wires and very hard wires such as stainless steel.

Flush

This cut leaves a much smaller tip at the end of the wire than the semi-flush cut – without reducing the cutting ability. The cutting edges are finer than on semi-flush cutters. The effort exerted when cutting is less and the load on the component is reduced. Flush wire ends reduce the effort needed to fit components on printed-circuit boards. Erem guarantees precise cutting even after frequent use.

Super full flush

Only Erem offers you a super full flush cut. This cut provides absolutely flush wire ends.
No rework is needed. Cutters with this cut are absolutely precision-ground and sharpened. The effort exerted when cutting is low, as is the load on the component caused by the cut. Soldering tags in soldering-bath procedures are prevented. Cutters of this type are used in applications for microelectronics, space travel or medical technology. These cutters are suitable for soft wires.

Erem | Competitor

Service

Re-sharpening
Erem is your service partner. All Erem side and tip cutters except those with carbide insert blades can be re-sharpened up-to three times. Carriage charges will apply.

Replacement parts
Erem cutters and pliers and their component parts are warranted against manufacturing defects. Magic springs, precision joint components are available as spare parts.

Choosing the right tool

Visibility and accessibility

	Micro **Series 600**	Medium **Series 2400 MagicSense**	Medium **Series 500**	Maxi **Series 800**	**Tungsten-carbide cutters**
	Miniature cutters for fine wires.	Medium-size cutters. Combines robustness, visibility and accessibility. Optimized ergonomic shape and an improved grade of hardness.		The strongest and most robust head size cuts large wire diameters.	
Tip cutter Straight relieved head • Horizontal and vertical cuts • Cutting in hard-to-reach areas	✓	✓	✓		
Tip cutter Pointed relieved head • Narrowest head shape • Optimum access even to extremely hard-to-reach areas	✓		✓	✓	✓
Tip cutter Angled narrow head • Precise cuts at different working angles		✓	✓		
Tip cutter Angled wide head • Precise cuts at different working angles	✓	✓	✓		✓
Side cutter Tapered head • Straight edges and taper to a point • Access to difficult to reach areas without reducing the cutting ability	✓	✓	✓	✓	✓
Side cutter Oval head • Cutting in easy accessable areas • Offers the highest cutting capacity		✓	✓	✓	✓

High cutting ability

Choosing the right tool

Size

Micro
Series 600

Medium
Series 2400, Series 500

Maxi
Series 800

Head shape

Oval head

Tapered head

Pointed relieved head

Cut

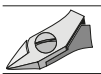
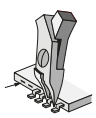
Semi-flush

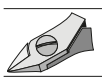
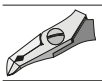
Flush

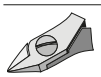
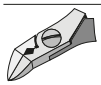
Super Full Flush

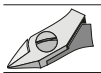
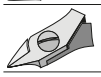
Wire quality

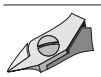
Piano wire, stainless spring steel wire, material 1.4310, tensile strength 2000–2400 MPa
Hard wire, stainless steel wire, material 1.4301, tensile strength 1800 MPa
Medium-hard wire, stainless steel wire, material 1.4301, tensile strength 800 MPa
Soft wire, copper, aluminium, tensile strength 250 MPa

Model	Cut	Cutting capability
Micro Series 600		mm / Inch: 0,03 .0001 · 0,1 .003 · 0,2 .007 · 0,3 .011 · 0,4 .015 · 0,5 .019 · 0,6 .023 · 0,7 .027 · 0,8 .031 · 0,9 .035 · 1,0 .039 · 1,1 .043 · 1,2 .047 · 1,3 .051 · 1,4 .055 · 1,5 .059 · 1,6 .062 · 1,7 .066 · 1,8 .070 · 1,9 .074
 **612N**	Semi-flush	
622N	Flush	
632N	Super Full Flush	
 **622NA**	Flush	
622NB	Flush	
 **676E**	Flush	
776E	Super Full Flush	
632NCF	Super Full Flush	Only for soft materials: silicone, rubber, etc.
 **670E**	Flush	
670EP	Flush	for micro housing
670EPF	Flush	Only for micro pitches under 0.5 mm / .019 Inch

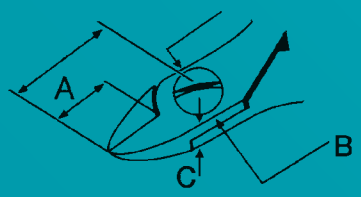
Medium Series 2400 MagicSense		mm / Inch: 0,03 .0001 · 0,1 .003 · 0,2 .007 · 0,3 .011 · 0,4 .015 · 0,5 .019 · 0,6 .023 · 0,7 .027 · 0,8 .031 · 0,9 .035 · 1,0 .039 · 1,1 .043 · 1,2 .047 · 1,3 .051 · 1,4 .055 · 1,5 .059 · 1,6 .062 · 1,7 .066 · 1,8 .070 · 1,9 .074
 **2412E**	Semi-flush	
2422E	Flush	
2432E	Super Full Flush	
 **2477E**	Flush	
 **2403E** 30°	Flush	
2404E 30°	Flush	
 **2482E** 45°	Flush	
2475E 45°	Flush	
 **2470E**	Flush	

Model		Cut	Cutting capability
Medium Series 500			mm / Inch: 0,03 .0001 · 0,1 .003 · 0,2 .007 · 0,3 .011 · 0,4 .015 · 0,5 .019 · 0,6 .023 · 0,7 .027 · 0,8 .031 · 0,9 .035 · 1,0 .039 · 1,1 .043 · 1,2 .047 · 1,3 .051 · 1,4 .055 · 1,5 .059 · 1,6 .062 · 1,7 .066 · 1,8 .070 · 1,9 .074
	**512N**	Semi-flush	
	512E	Semi-flush	
	522N	Flush	
	599E	Flush	
	532N	Super Full Flush	
	**595E**	Flush	
	577E	Flush	
	**503E**	Flush	
	504AE	Flush	
	**555E** 35°	Flush	
	572E 40°	Flush	
	582E 45°	Flush	
	582EW	Flush	
	593AE 30°	Flush	
	575E 45°	Flush	
	**592E**	Flush	
	792E	Super Full Flush	
	**570E**	Flush	
	573E	Flush	For vertical cutting

Maxi Series 800			mm / Inch: 0,03 .0001 · 0,1 .003 · 0,2 .007 · 0,3 .011 · 0,4 .015 · 0,5 .019 · 0,6 .023 · 0,7 .027 · 0,8 .031 · 0,9 .035 · 1,0 .039 · 1,1 .043 · 1,2 .047 · 1,3 .051 · 1,4 .055 · 1,5 .059 · 1,6 .062 · 1,7 .066 · 1,8 .070 · 1,9 .074
	**812N**	Semi-flush	
	896E	Semi-flush	
	822N	Flush	
	**886E**	Flush	
	**884E**	Flush	

Tungsten-carbide cutters			mm / Inch: 0,03 .0001 · 0,1 .003 · 0,2 .007 · 0,3 .011 · 0,4 .015 · 0,5 .019 · 0,6 .023 · 0,7 .027 · 0,8 .031 · 0,9 .035 · 1,0 .039 · 1,1 .043 · 1,2 .047 · 1,3 .051 · 1,4 .055 · 1,5 .059 · 1,6 .062 · 1,7 .066 · 1,8 .070 · 1,9 .074
	**622TX**	Flush	
	599T	Semi-flush	
	599TF	Flush	
	**595T**	Semi-flush	
	595TF	Flush	
	2476TX1	Flush	
	576TX1	Flush	
	**2476TX**	Flush	
	576TX	Flush	
	**503ET** 30°	Semi-flush	
	503ETF 30°	Semi-flush	

Series 600 Micro



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter - oval head

4.331 Inch / 110 mm
1.69 oz. / 48 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and size for size offers the highest cutting capacity.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
612N	Semi Flush	0.354	9	0.354	9	0.236	6	0.590	15	Ø 0,5	Ø 0,8	Ø 1,3
T622N	Flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,8	Ø 1,3
632N	Super full flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,7	Ø 1,3
622NA	Flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,7	Ø 1,0

Tip cutter – pointed relieved head

4.331 Inch / 110 mm
1.69 oz. / 48 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
622NB	Flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,6	Ø 0,8
676E	Flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,6	Ø 0,8
776E	Super full flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,6	Ø 0,8
632NCF	Super full flush	0.354	9	0.354	9	0.236	6	0.590	15	suitable for precision cuts on soft materials, e.g. small silicone tubes, precision connector seals, miniature rubber seals, soft synthetic parts		

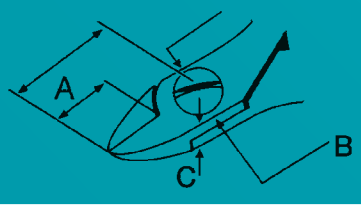
Tip cutter - straight short relieved head

4.331 Inch / 110 mm
1.69 oz. / 48 g

- Suitable for cutting SMD and micro-package contacts.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
670E	Flush	0.354	9	0.354	9	0.236	6	0.709	18	-	Ø 0,5	Ø 0,8
670EP	Flush	0.354	9	0.354	9	0.236	6	0.709	18		Ø 0,5	Ø 0,6
670EPF	Flush	0.354	9	0.354	9	0.236	6	0.709	18	-	Ø 0,4	Ø 0,6

Series 2400 MagicSense



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter – oval head

5.118 Inch / 130 mm
2.47 oz. / 70 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and size for size offers the highest cutting capacity.
- Erem cutters and pliers with ergonomic handle.
- The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2412E	Semi Flush	0.472	12	0.433	11	0.236	6	0.748	19	Ø 0,5	Ø 1,0	Ø 1,6
2422E	Flush	0.472	12	0.433	11	0.236	6	0.748	19	-	Ø 1,0	Ø 1,6
2432E	Super full flush	0.472	12	0.433	11	0.236	6	0.748	19	-	Ø 0,8	Ø 1,6

Side cutter - tapered

5 Inch / 127 mm
2.469 oz. / 70 g

- The jaws of the cutter have straight edges and taper to a point.
- This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.
- Erem cutters and pliers with ergonomic handle. The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2477E	Flush	0.472	12	0.433	11	0.236	6	0.742	19	-	Ø 1,0	Ø 1,3

Tip cutter - angled wide head

5 Inch / 127 mm
2.469 oz. / 70 g
30°

- The angled head provides for precise cuts at different working angles.
- Erem cutters and pliers with ergonomic handle. The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2403E	Flush	0.354	9	0.433	11	0.236	6	0.748	19	-	Ø 1,0	Ø 1,6
											wide, robust head, fine cut	
2404E	Flush	0.354	9	0.433	11	0.236	6	0.787	20	-	Ø 0,8	Ø 1,3
											same as 2403E, but with pointed rounded head	

Tip cutter - angled narrow head

5.315 Inch / 135 mm
2.539 oz. / 72 g
45°

- The angled head provides for precise cuts at different working angles.
- Erem cutters and pliers with ergonomic handle. The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2482E	Flush	0.236	6	0.433	11	0.236	6	1.024	20	-	Ø 0,6	Ø 1,2
										suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications		
2475E	Flush	0.157	4	0.433	11	0.236	6	0.866	22	-	Ø 0,4	Ø 0,6
											suitable for fine cutting work on hybrid circuits of miniature components	

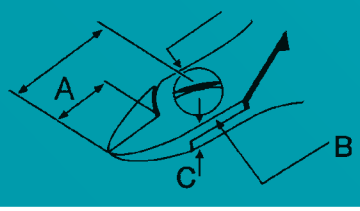
Tip cutter - straight long relieved head

5.512 Inch / 140 mm
2.539 oz. / 72 g

- This head is suitable for horizontal and vertical cuts.
- The long tips facilitate cutting in hard-to-reach areas.
- Erem cutters and pliers with ergonomic handle. The ergonomic handle and special materials ensure a soft feel, operating comfort and safety.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
2470E	Flush	0.157	4	0.433	11	0.236	6	1.142	29	-	Ø 0,4	Ø 0,6
2676E	Flush	0.354	9	0.354	9	0.236	6	0.590	15	-	Ø 0,6 mm / .023 Inch	Ø 0,8 mm / .031 Inch

Series 500 Medium



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter - oval head

4.528 Inch / 115 mm
2.363 oz. / 67 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and size for size offers the highest cutting capacity.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
512N	Semi Flush	0.472	12	0.433	11	0.256	6.5	0.748	19	Ø 0,5	Ø 1,0	Ø 1,6
512E	Semi Flush	0.472	12	0.433	11	0.256	6.5	0.748	19	Ø 0,5	Ø 1,0	Ø 1,6 burnished head
522N	Flush	0.472	12	0.433	11	0.256	6.5	0.748	19	-	Ø 1,0	Ø 1,6
599E	Flush	0.472	10	0.433	11	0.256	6.5	0.669	17	-	Ø 1,0	Ø 1,6 short, robust head
532N	Super full flush	0.472	10	0.433	11	0.256	6.5	0.748	19	-	Ø 0,8	Ø 1,6

Side cutter - tapere head

4.528 Inch / 115 mm
2.363 oz. / 67 g

- The jaws of the cutter have straight edges and taper to a point.
- This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
595E	Flush	0.472	12	0.433	11	0.256	6.5	0.748	19	-	Ø 1,0	Ø 1,3 tapered head
577E	Flush	0.472	10	0.433	11	0.256	6.5	0.669	17	-	Ø 1,0	Ø 1,3 tapered, short head

Tip cutter - angled wide, robust head

4.331 Inch / 110 mm
2.363 oz. / 67 g
30°

- The angled head provides for precise cuts at different working angles.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
503E	Flush	0.354	9	0.433	11	0.256	6.5	0.748	19	-	Ø 1,0	Ø 1,6 wide, robust head
504AE	Flush	0.354	9	0.433	11	0.256	6.5	0.748	19		Ø 0,8	Ø 1,3 pointed, rounded head

Tip cutter - angled narrow head

4.724 Inch / 120 mm
2.399 oz. / 68 g
35°

- The angled head provides for precise cuts at different working angles.
- Narrow, robust head, suitable for working with high cutting force in confined areas.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
555E	Flush	0.236	6	0.433	11	0.256	6.5	0.945	24	-	Ø 0,6	Ø 1,3

4.528 Inch / 115 mm
2.399 oz. / 68 g
40°

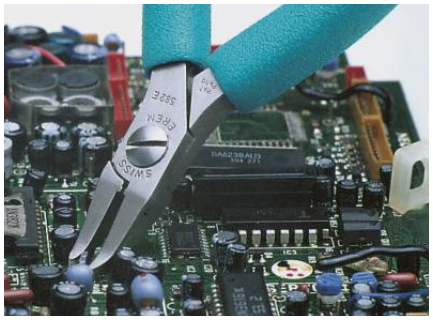
- Relieved cutting edge for easy access.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
572E	Flush	0.236	6	0.433	11	0.256	6.5	0.827	21	-	Ø 0,6	Ø 1,3

4.528 Inch / 115 mm
2.399 oz. / 68 g
40°

- Suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications

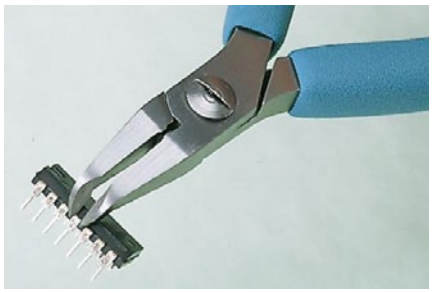
Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
582E	Flush	0.236	6	0.433	11	0.256	6.5	1.024	26	-	Ø 0,6	Ø 1,3



4.528 Inch / 115 mm
2.364 oz. / 67 g
45°

- Suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications.
- With safety device for wire scraps.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
582EW	Flush	0.236	6	0.433	11	0.256	6.5	1.024	26	-	Ø 0,6	Ø 1,3



4.528 Inch / 115 mm
2.399 oz. / 68 g

- High precision tip cutter, bent.
- Practical rework tool.
- For cutting DIL contacts directly on the component.
- Ideal for densely printed baords.
- Non-reflecting surface
- ESD-safe
- One screwdriver included for fine adjustments.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
593AE	Flush	0.157	4	0.433	11	0.256	6.5	1.024	26		ø 0,4	ø 1,0

4.528 Inch / 115 mm
2.363 oz. / 67 g
45°

- Suitable for fine cutting work on hybrid circuits or miniature components.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
575E	Flush	0.157	4	0.433	11	0.256	6.5	0.866	22	-	Ø 0,2	Ø 0,6

Tip cutter - pointed relieved head

4.528 Inch / 115 mm
2.363 oz. / 67 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
592E	Flush	0.472	12	0.433	11	0.256	6.5	0.748	19	-	Ø 0,4	Ø 0,8
792E	Super full flush	0.472	12	0.433	11	0.256	6.5	0.748	19	-	Ø 0,4	Ø 0,6

Tip cutter - straight long relieved head

4.724 Inch / 120 mm
2.363 oz. / 67 g

- This head is suitable for horizontal and vertical cuts.
- The long tips facilitate cutting in hard-to-reach areas.
- For cutting at extreme tips

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
570E	Flush	0.157	4	0.433	11	0.256	6.5	1.142	29	-	Ø 0,6	Ø 1,2

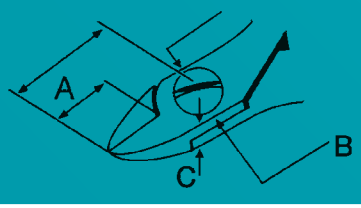
Tip cutter - straight head for vertical use

4.724 Inch / 120 mm
2.363 oz. / 67 g

- Tip cutter for fine wire, Cu 0,8 mm

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
573E	Flush	0.157	4	0.433	11	0.256	6.5	1.142	29	-	Ø 0,4	Ø 0,6

Series 800 Maxi



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter - oval head

4.724 Inch / 120 mm
2.363 oz. / 67 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and size for size offers the highest cutting capacity.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
812N	Semi Flush	0.590	15	0.531	13.5	0.295	7.5	0.827	21	Ø 0,6	Ø 1,2	Ø 1,8
896E	Semi Flush	0.590	15	0.531	13.5	0.295	7.5	0.827	21	Ø 0,6	Ø 1,2 for cutting hard wires, kovar, connector pins	Ø 1,8
822N	Flush	0.590	15	0.531	13.5	0.295	7.5	0.827	21	-	Ø 1,2	Ø 1,8

Side cutter - tapered head

4.724 Inch / 120 mm
2.928 oz. / 83 g

- The jaws of the cutter have straight edges and taper to a point. This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
886E	Flush	0.590	15	0.531	13.5	0.295	7.5	0.827	21	-	Ø 1,0	Ø 1,8

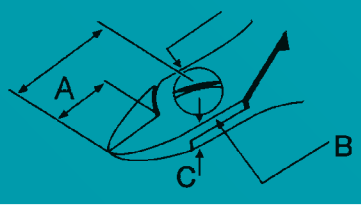
Tip cutter - pointed relieved head

4.724 Inch / 120 mm
2.857 oz. / 81 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	A		B		C		D		Max. cutting capability in mm		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Hard wire	Medium hardness	Copper wire
884E	Flush	0.590	15	0.531	13.5	0.295	7.5	0.827	21	-	Ø 0,8	Ø 1,6

Tungsten-carbide cutters



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Side cutter - oval head, Miniature cutter

4.528 Inch / 115 mm
2.36 oz. / 67 g

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and size for size offers the highest cutting capacity.

Model	Cut	A		B		C		D		Max. cutting capability in mm			
		Inch		Inch	mm	Inch	mm	Inch	mm	Piano wire	Hard wire	Medium hardness	Copper wire
622TX	Flush	0.315	8	0.354	9	0.236	6	0.590	15	Ø 0,2	Ø 0,4	Ø 0,6	Ø 1,2 miniature cutter
599T	Flush	0.472	12	0.433	11	0.256	6.5	0.748	19	Ø 0,6	Ø 0,8	Ø 1,0	Ø 1,5
599TF	Semi Flush	0.472	12	0.433	11	0.256	6.5	0.748	19	Ø 0,6	Ø 0,8	Ø 1,0	Ø 1,5

Side cutter - tapered head

4.528 Inch / 115 mm

2.36 oz. / 67 g

- The jaws of the cutter have straight edges and taper to a point.
- This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.

Model	Cut	A		B		C		D		Max. cutting capability in mm			
		Inch		Inch	mm	Inch	mm	Inch	mm	Piano wire	Hard wire	Medium hardness	Copper wire
595T	Semi Flush	0.472	12	0.433	11	0.256	6.5	0.748	19	Ø 0,4	Ø 0,6	Ø 0,8	Ø 1,5
595TF	Flush	0.472	12	0.433	11	0.256	6.5	0.748	19	Ø 0,4	Ø 0,6	Ø 0,8	Ø 1,5
2476TX1	Flush	0.433	11	0.433	11	0.236	6	0.011	19	Ø 0,3	Ø 0,4	Ø 0,5	Ø 1,0
2447P					9		6.5						
2448P					-		-						
576TX1	Flush	0.433	11	0.433	11	0.256	6.5	0.011	19	Ø 0,3	Ø 0,4	Ø 0,5	Ø 1,0

Tip cutter - pointed relieved head

4.528 Inch / 115 mm

2.36 oz. / 67 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.
- Series 2400 MagicSense model

Model	Cut	A		B		C		D		Max. cutting capability in mm			
		Inch		Inch	mm	Inch	mm	Inch	mm	Piano wire	Hard wire	Medium hardness	Copper wire
576TX	Flush	0.433	11	0.433	11	0.256	6.5	0.748	19	Ø 0,1	Ø 0,2	Ø 0,3	Ø 1,0

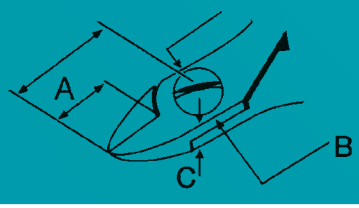
Tip cutter - angled wide head

4.331 Inch / 110 mm
2.36 oz. / 67 g
30°

- The angled head provides for precise cuts at different working angles.

Model	Cut	A		B		C		D		Max. cutting capability in mm			
		Inch		Inch	mm	Inch	mm	Inch	mm	Piano wire	Hard wire	Medium hardness	Copper wire
503ET	Semi Flush	0.354	9	0.433	11	0.256	6.5	0.748	19	Ø 0,4	Ø 0,6	Ø 0,8	Ø 1,2
503ETF	Flush	0.354	9	0.433	11	0.256	6.5	0.787	20	Ø 0,4	Ø 0,6	Ø 0,8	Ø 1,2

Special applications



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

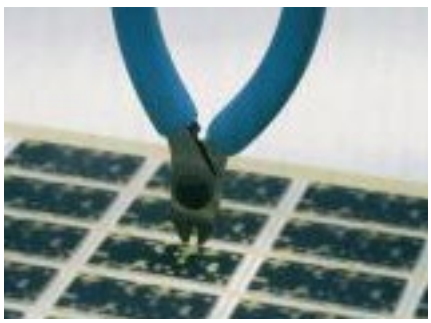
Special applications: hard wires

4.724 Inch / 120 mm
3.527 oz. / 100 g

- Side cutter with compound action.
- For cutting hard wires with minimal effort

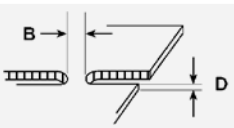
Model	Cut	A		B		C		Max. cutting capacity in mm	
		Inch	mm	Inch	mm	Inch	mm	Copper wire	
147A	Semi Flush	0.472	12	0.413	10.5	0.295	7.5	Ø 1,8	for cutting hard wires with minimal effort

Special applications: cutting printed-circuit boards



4.528 Inch / 115 mm
2.787 oz. / 79 g

Model		D max.		B max.	
		Inch	mm	Inch	mm
884EPCM	Flush	0.0591	1.5	0.078	2.0



Special applications: Kevlar® silks

4.528 Inch / 115 mm
2.36 oz. / 67 g

- Side cutter, suitable for cutting Kevlar® silks.
- Side cutter, suitable for cutting Kevlar® silks, VectranTM-sheathed wires, optical fibres and small stainless wires.

Model	Cut	B		B		C		D	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
599F0		0.472	12	0.433	11	0.256	6.5	0.748	19

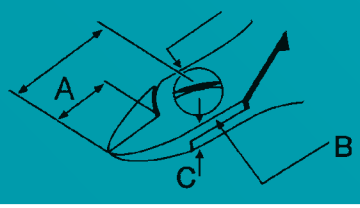
Special applications: Special tool steel

4.528 Inch / 115 mm
2.36 oz. / 67 g

- Side cutter for cutting Kevlar® silks, Vectran™-sheated wires, optical fibres and small stainless wires.
- Side cutter with cutting edges made from tungsten carbide.

Model	Cut	B		B		C		D	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
599TF0	Semi Flush	0.472	12	0.413	10.5	0.256	6.5	0.748	19

Pneumatic side and tip cutters



A = Length of cutting edges
B = Head width
C = Head thickness
D = Head length

Pneumatic side cutter and tip cutter

5.118 Inch / 130 mm
4.59 oz. / 130 g

- Pneumatic cutter
- Handy, light and precise
- Extremely versatile thanks to a selection of different cutting heads
- Easily interchangeable cutting heads
- Suitable for cutting conventional components, soft metals or small plastic parts
- Pneumatic-cutter housing

Model	Diameter		
	Inch	mm	
1500BSF	1.102	28	requires 4- 6 bar oil-free clean compressed air

Side cutter - oval head for 1500BSF

1.16 oz. / 35 g

- This is the standard head shape.
- It is used for all cutting jobs in easy-to-reach areas.
- The oval head provides for a high cutting capacity and is characterised by its robustness.

Model	Cut	A		B		C		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
1512N	Semi Flush	0.394	10	0.413	10.5	0.256	6.5	Ø 1,6
1522N	Flush	0.394	10	0.413	10.5	0.256	6.5	Ø 1,6

Side cutters - tapered head cutting head for 1500 BSF

1.16 oz. / 35 g

- The edges of the cutter head are straight and taper to a point, allowing access to hard to reach area.

Model	Cut	A		B		C		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
1522NA	Flush	0.354	9	0.413	10.5	0.256	6.5	Ø 1,4

Pointed relieved head for 1500 BSF

1.12 oz. / 32 g

- This is the narrowest head shape.
- The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas.

Model	Cut	A		B		C		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
1522NB	Flush	0.354	9	0.413	10.5	0.256	6.5	Ø 1,2

Cutting head for 1500 BSF - tip cutter - angled head

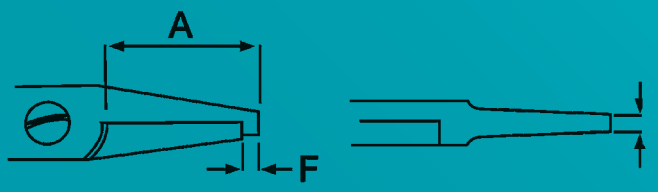
1.34 oz. / 38 g

30°

- The angled head provides for precise cuts at different working angles.

Model	Cut	A		B		C		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
1503E	Flush	0.472	12	0.413	10.5	0.256	6.5	Ø 1,2

Distance cutters



A = Jaw length
B = Width of tips
F = Cutting length

Distance cutter - fixed cutting length

Distance cutter copper wire to a length of 1.5 mm/.059 Inch

4.724 Inch / 120 mm
2.36 oz. / 67 g

- Special tool steel
- ESD-safe
- Fixed cutting length
- Reduces mechanical shock on components

Model	Cut	A		E		F		Max. cutting capacity in mm	
		Inch	mm	Inch	mm	Inch	mm	Copper wire	
530E15	Semi Flush	0.787	20	0.118	3	0.059	1.5	Ø 1,2	cuts copper wire to a length of 1,5 mm / 0,059 Inch
530E13	Flush	0.787	20	0.118	3	0.051	1.3	Ø 1,2	cuts copper wire to a length of 1,3 mm / 0,051 Inch
530E08	Flush	0.787	20	0.118	3	0.031	0.8	Ø 1,2	cuts copper wire to a length of 0,8 mm / 0,031 Inch
530E06	Flush	0.787	20	0.118	3	0.023	0.6	Ø 1,2	cuts copper wire to a length of 0,6 mm / 0,023 Inch

Distance cutter

Distance cutter, cuts wire to a length of 1.5 mm/.059 Inch

4.724 Inch / 120 mm
2.36 oz. / 67 g
45°

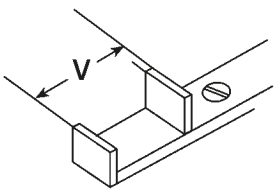
- Special tool steel
- ESD-safe
- Fixed length distance cutter
- Tapered 45°

Model	Cut	A		E		F		Max. cutting capacity in mm
		Inch	mm	Inch	mm	Inch	mm	Copper wire
549E	Flush	0.787	20	0.118	3	0.059	1.5	Ø 1,2
549E10	Flush	0.787	20	0.118	3	0.039	1	Ø 1,2
549E12	Flush	0.787	20	0.118	3	0.047	1.2	Ø 1,2

Distance cutter, variable cutting length

Distance cutter, variable cutting length from 1.2 mm to 6 mm/ 047 to .236 Inch

4.724 Inch / 120 mm
2.47 oz. / 70 g



- Special tool steel
- ESD-safe
- Variable cutting length (= V)
- With protective stop screw

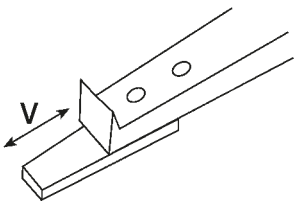
Model	Cut	A		E		V		
		Inch	mm	Inch	mm	Inch	mm	Copper wire
530E15A	Flush	0.787	20	0.177	4.5	0,047 - 0,236	1,2 - 6	Ø 1.2

Distance cutter - variable cutting length

Distance cutter with variable cutting length from 0 mm to 5 mm/ 0 to .197 Inch

4.528 Inch / 115 mm

2.47 oz. / 70 g



- Special tool steel
- ESD-safe
- Variable cutting length (= V)
- With protective stop screw
- Interchangeable plastic stop protects the printed-circuit board against damage

Model	Cut	A		E		V		
		Inch	mm	Inch	mm	Inch	mm	Copper wire
573EB	Flush	0.787	20	0.177	4.5	0 - 0,197	0 - 5	Ø 0.8