

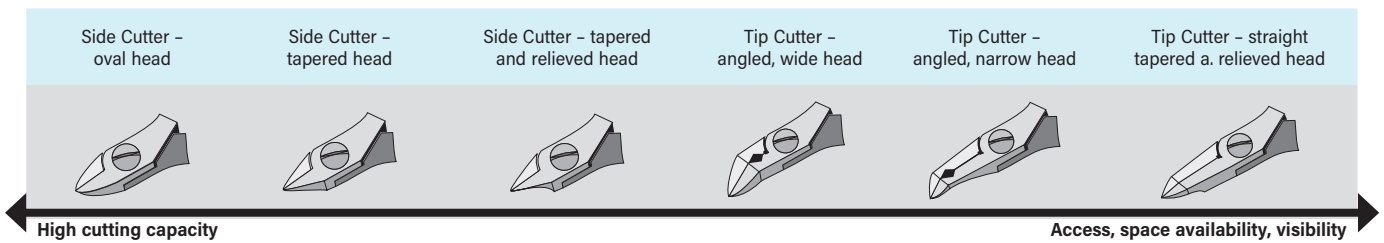


Choosing the right tool

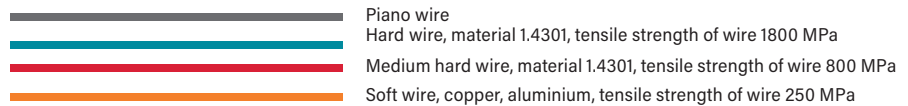
3 Sizes

	Micro		Medium		Maxi	
	Series 600 / 2600	Series 500	Series 2400	Series 800 / 2800		
Width a	9,0 mm	9,0 mm	11,0 mm	11,0 mm	13,5 mm	13,5 mm
Thickness b	6,0 mm	6,0 mm	6,0 mm	6,0 mm	7,2 mm	7,2 mm

How to choose the right tool?



Cutting Capabilities



Type	Type of Cut	mm Inch	Cutting Capacity																		
			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
Series 600 Micro & 2600																					
	612N / 2612N	Semi-flush																			
	622N / 2622N	Flush																			
	622TX	Flush / Carbide																			
	632N / 2632N	Super Full Flush																			
	622NA	Flush																			
	622NB / 2622NB	Flush																			
	676E	Flush																			
	776E	Super Full Flush																			
	632NCF	Super Full Flush	Only for soft materials: silicone, rubber, etc.																		
	670E	Flush																			
	670EP	Flush																			
	670EPF	Flush	Only for micro pitches under 0.5 mm / .019 Inch																		



Type			Type of Cut	Cutting Capacity																			
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	[Capacity bars for 2412E]																			
	2422E		Flush	[Capacity bars for 2422E]																			
	2432E		Super Full Flush	[Capacity bars for 2432E]																			
	2477E		Flush	[Capacity bars for 2477E]																			
	2403E		Flush	[Capacity bars for 2403E]																			
	2404E		Flush	[Capacity bars for 2404E]																			
	2482E		Flush	[Capacity bars for 2482E]																			
	2475E		Flush	[Capacity bars for 2475E]																			
	2470E		Flush	[Capacity bars for 2470E]																			
	2476TX2		Flush / Carbide	[Capacity bars for 2476TX2]																			

Type			Type of Cut	Cutting Capacity																			
Series 500 Medium			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	[Capacity bars for 512N]																			
	512E		Semi-flush	[Capacity bars for 512E]																			
	599T		Semi-flush / Carbide	[Capacity bars for 599T]																			
	522N		Flush	[Capacity bars for 522N]																			
	599E		Flush	[Capacity bars for 599E]																			
	532N		Super Full Flush	[Capacity bars for 532N]																			
	576TX1		Flush / Carbide	[Capacity bars for 576TX1]																			
	503E		Flush	[Capacity bars for 503E]																			
	503ETST 30°		Flush / Carbide	[Capacity bars for 503ETST 30°]																			
	503ETST		Flush	[Capacity bars for 503ETST]																			
	555E 35°		Flush	[Capacity bars for 555E 35°]																			
	555E 40°		Flush	[Capacity bars for 555E 40°]																			
	572E 45°		Flush	[Capacity bars for 572E 45°]																			
	582E 30°		Flush	[Capacity bars for 582E 30°]																			
	582E 45°		Flush	[Capacity bars for 582E 45°]																			
	592E		Flush	[Capacity bars for 592E]																			
	792E		Super Full Flush	[Capacity bars for 792E]																			
	555E		Flush / Carbide	[Capacity bars for 555E]																			
	570E		Flush	[Capacity bars for 570E]																			
	573E		Flush	[Capacity bars for 573E]																			

Type			Type of Cut	Cutting Capacity																			
Series 800 Maxi & 2800			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	[Capacity bars for 812N]																			
	2812N		Semi-flush	[Capacity bars for 2812N]																			
	822N		Flush	[Capacity bars for 822N]																			
	2822N		Flush	[Capacity bars for 2822N]																			
	886E		Flush	[Capacity bars for 886E]																			
	2886E		Flush	[Capacity bars for 2886E]																			
	884E		Flush	[Capacity bars for 884E]																			

Side cutters and tip cutters

Pliers

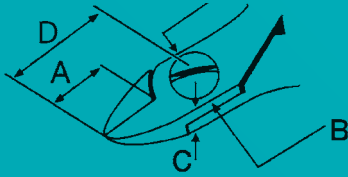
Tweezers

Special tools

Kits




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 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	0.236	6	0.748	19	Ø 0,5	Ø 1,0	Ø 1,6
512E	 Semi-flush	0.472	12	0.433	11	0.236	6	0.748	19	Ø 0,5	Ø 1,0 burnished head	Ø 1,6
522N	 Flush	0.472	12	0.433	11	0.236	6	0.748	19	-	Ø 1,0	Ø 1,6
599E	 Flush	0.472	10	0.433	11	0.236	6	0.669	17	-	Ø 1,0 short, robust head	Ø 1,6
532N	 Perfectly flush cut	0.472	10	0.433	11	0.236	6	0.748	19	-	Ø 0,8	Ø 1,6

Side cutters and tip cutters

Pliers

Tweezers

Special tools

Kits



Side cutter - tapered 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	0.236	6	0.748	19	-	Ø 1,0	Ø 1,3
577E	 Flush	0.472	10	0.433	11	0.236	6	0.669	17	-	Ø 1,0	Ø 1,3

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	0.236	6	0.748	19	-	Ø 1,0	Ø 1,6
504AE	 Flush	0.354	9	0.433	11	0.236	6	0.748	19	-	Ø 0,8	Ø 1,3



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	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	0.236	6	0.827	21	-	Ø 0,6	Ø 1,3




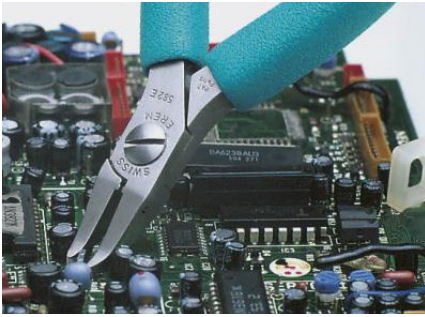
 4.528 Inch / 115 mm

 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	0.236	6	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	0.236	6	1.024	26	-	Ø 0,6	Ø 1,3



4.528 Inch / 115 mm
2.399 oz. / 68 g
30°

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

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	0.236	6	1.024	26		Ø 0,4	Ø 1,0



4.331 Inch / 110 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	0.236	6	0.866	22	-	Ø 0,2	Ø 0,6





Side 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	0.236	6	0.748	19	-	Ø 0,4	Ø 0,8
792E	 Perfectly flush cut	0.472	12	0.433	11	0.236	6	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	0.236	6	1.142	29	-	Ø 0,4	Ø 0,6

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	0.236	6	1.142	29	-	Ø 0,4	Ø 0,8