

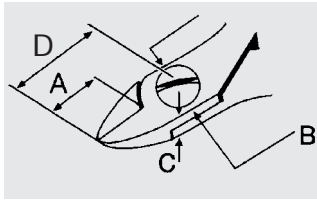
Side Cutters and Tip Cutters

Series 600 Micro

- Miniature cutters
- Offers a wide variety of head shapes for access in difficult to reach areas
- Suitable for SMD and leads (670EP, 670EPF)
- Made from high grade tool steel with cutting edges hardened to 63-65HRc
- Non reflecting surface, ESD safe, resharpenable



Series 600 Micro



A = length of cutting edges
 B = head width
 C = head thickness
 D = head length



Tip cutter Straight short relieved head	Tip cutter Pointed relie- ved head	Side cutter Tapered head	Side cutter Oval head
← Visibility and accessibility		Robustness, high cutting capacity →	

Side cutter – oval head



110 mm / 4.331 Inch
 48 g / 1.69 oz.

- This is the most widely used head shape.
- It is robust and size for size offers the highest cutting capacity.

Model	Cut	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter		
		A	B	C	D	Hard wire	Medium hardness	Copper wire
612N	Semi-flush	9 .354	9 .354	6 .236	15 .590	0.5 .019	0.8 .031	1.3 .051
622N	Flush	9 .354	9 .354	6 .236	15 .590	–	0.8 .031	1.3 .051
632N	Super full flush	9 .354	9 .354	6 .236	15 .590	–	0.7 .027	1.3 .051



Wire quality, see P. 38

Side Cutters and Tip Cutters


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Side cutter – tapered head





 110 mm / 4.331 Inch
 48 g / 1.69 oz.

- 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	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter	
		A	B	C	D	Medium hardness	Copper wire
622NA	 Flush	9	9	6	15	0.7	1.0
		.354	.354	.236	.590	.027	.039

Tip cutter – pointed relieved head



 110 mm / 4.331 Inch
 48 g / 1.69 oz.



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

Model	Cut	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter	
		A	B	C	D	Medium hardness	Copper wire
622NB	 Flush	9	9	6	15	0.6	0.8
		.354	.354	.236	.590	.023	.031
676E	 Flush	9	9	6	15	Model same as 622NB, but with short, robust head	
		.354	.354	.236	.590		
776E	 Super full flush	9	9	6	15	0.6	0.8
		.354	.354	.236	.590	.023	.031
632NCF	 Super full flush	9	9	6	15	For soft material such as small silicone tubes, miniature rubber seals or for cutting soft synthetic parts	
		.354	.354	.236	.590		






Tip cutter – straight short relieved head



 110 mm / 4.331 Inch
 48 g / 1.69 oz.

■ Suitable for cutting SMD and micro-package contacts.

Model	Cut	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter		
		A	B	C	D	Medium hardness	Copper wire	
670E	 Flush	9 .354	9 .354	6 .236	18 .709	0.5 .019	0.8 .031	
670EP	 Flush	9 .354	9 .354	6 .236	18 .709	0.4 .015	0.6 .023	High-precision working on SMD and micro-package contacts up to 0.25 mm/.010 Inch
670EPF*	 Flush	3 .354	9 .354	6 .236	18 .709	Model same as 670EP, but smaller version only for micro pitches under 0.5 mm/.019 Inch (see also P. 40)		

*Not available in North America