



# 512N

Product no.: 512N

Side cutter - oval head



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.



[source images](#)

## The Perfect Cut - Strong, sharp and precise, every time

The Weller Erem Series 500 Micro is a full range of medium sized, robust, precision cutters with a wide range of head shapes. The cutters are manufactured from high grade tool steel. The cutting edges are hardened to Rockwell 63-65 HRC. The precision cutters have a nonreflecting surface, are ESD safe and resharable.

Type	Type of Cut	Cutting Capacity
<b>Series 500 Medium</b>		
mm 0,03 0,1 0,2 0,3 0,4 0,5 0,6 0,7 0,8 0,9 1,0 1,1 1,2 1,3 1,4 1,5 1,6 1,7 1,8 1,9 2,0		
Inch .001 .003 .007 .011 .015 .019 .023 .027 .031 .035 .039 .043 .047 .051 .055 .059 .062 .066 .070 .074 .078		
	512N  Semi Flush	[Bar chart showing cutting capacity for 512N]
	512E  Semi Flush	[Bar chart showing cutting capacity for 512E]
	599T  Semi Flush / Carbide	[Bar chart showing cutting capacity for 599T]
	522N  Flush	[Bar chart showing cutting capacity for 522N]
	599E  Flush	[Bar chart showing cutting capacity for 599E]
	532N  Super Full Flush	[Bar chart showing cutting capacity for 532N]
	576TX1  Flush / Carbide	[Bar chart showing cutting capacity for 576TX1]
	503E  Flush	[Bar chart showing cutting capacity for 503E]
	503ETST 30°  Flush / Carbide	[Bar chart showing cutting capacity for 503ETST]
	504AE  Flush	[Bar chart showing cutting capacity for 504AE]
	555E 35°  Flush	[Bar chart showing cutting capacity for 555E]
	572E 40°  Flush	[Bar chart showing cutting capacity for 572E]
	582E 45°  Flush	[Bar chart showing cutting capacity for 582E]
	593AE 30°  Flush	[Bar chart showing cutting capacity for 593AE]
	575E 45°  Flush	[Bar chart showing cutting capacity for 575E]
	592E  Flush	[Bar chart showing cutting capacity for 592E]
	792E  Super Full Flush	[Bar chart showing cutting capacity for 792E]
	576TX  Flush / Carbide	[Bar chart showing cutting capacity for 576TX]
	570E  Flush	[Bar chart showing cutting capacity for 570E]
	573E  Flush	[Bar chart showing cutting capacity for 573E]
for vertical tip cutting		





**Technical Data**

Length mm	115
Length of cutting edges mm	12
Head width mm	11
Head thickness mm	6
Head length mm	19
Max. cutting capability – hard wire mm	Ø 0,5
Weight in oz	2.318
Length of cutting edges Inches	0.472
Head width Inches	0.433
Head thickness Inches	0.236
Head length Inches	0.748
ESD-safe	on
Cut	Semi-flush
Max. cutting capability – medium hardness mm	Ø 1,0
Max. cutting capability – copper wire mm	Ø 1,6
Length inches	4.528
Weight in g	65.7
Erem applications	Microelectronic