SERIES F-103A

Four Sides Radius Tab Tool

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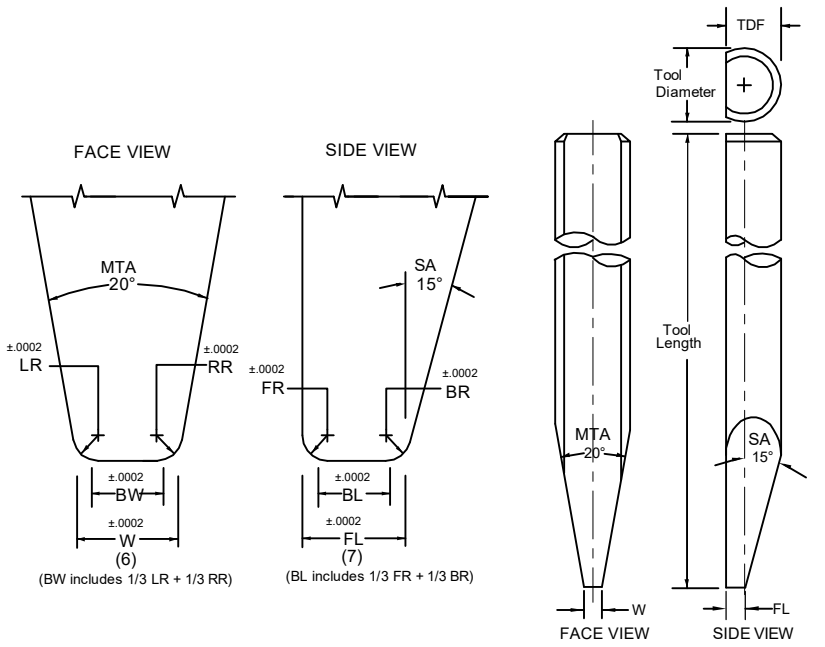

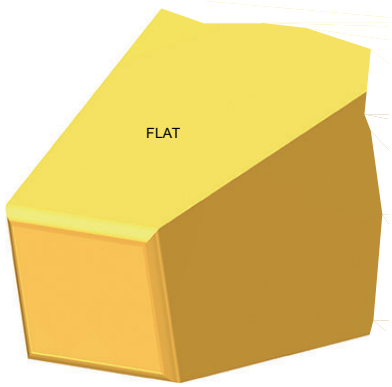

MTA = MAIN TAPER ANGLE
SA = SIDE VIEW ANGLE

Special dimensions available upon request.
Dimensions not shown please specify.

We recommend ceramic material for all gold wire bonding for optimum results.

	TD		TDF	
	in.	mm	in.	mm
1/16	.0624	1.59	.0460	1.17
	.0784	1.99	.0630	1.60
3/32	.0937	2.38	.0880	2.24
	.1180	3.00	.0985	2.50
1/8	.1249	3.17	.0937	2.38
1/8	.1249	3.17	.1180	3.00

SAMPLE PART NUMBER: M-F-103A-1/16-1-.004X.004-M-E-E
SYMBOL EXPLANATION: 1 2 3 4 5 6 7 8 9 10

1. **MATERIAL:**
   M = Ceramic
   C = Tungsten Carbide
   T = Titanium
   All other: See Material Selection Guide
2. **SERIES: F**
3. **STYLE: 103A**
4. **TOOL DIAMETER:** Please specify
5. **TOOL LENGTH:** Please specify
6. **BOND WIDTH: (BW)** Please specify (include 1/3 FR + 1/3 BR)
7. **BOND LENGTH: (BL)** Please specify (includes 1/3 FR + 1/3 BR)
8. **FOOT FINISH:**
   M = Matte, better coupling for thermosonic gold bonding
   P = Polished FR, BR, & Bond Flat for thermocompression gold bonding
   MP= Polished FR, BR, and Matte Bond Flat. For ultrasonic aluminum bonding.
9. **FRONT/BACK RADIUS:** See Option Chart below.
10. **LEFT/RIGHT RADIUS:** See Option Chart below.

RADIUS OPTION CHART	OPTION LETTER			A	B	C	D	E	F	G	H	I	J	K	L	M	N
	FRONT RADIUS	LEFT RADIUS	in.	.0005	.0005	.0010	.0010	.0010	.0015	.0015	.0015	.0015	.0020	.0020	.0020	.0020	.0020
	FR	LR	µ	13	13	25	25	25	38	38	38	38	51	51	51	51	51
	BACK RADIUS	RIGHT RADIUS	in.	0	.0005	0	.0005	.0010	0	.0005	.0010	.0015	0	.0005	.0010	.0015	.0020
	BR	RR	µ	0	13	0	13	25	0	13	25	38	0	13	25	38	51