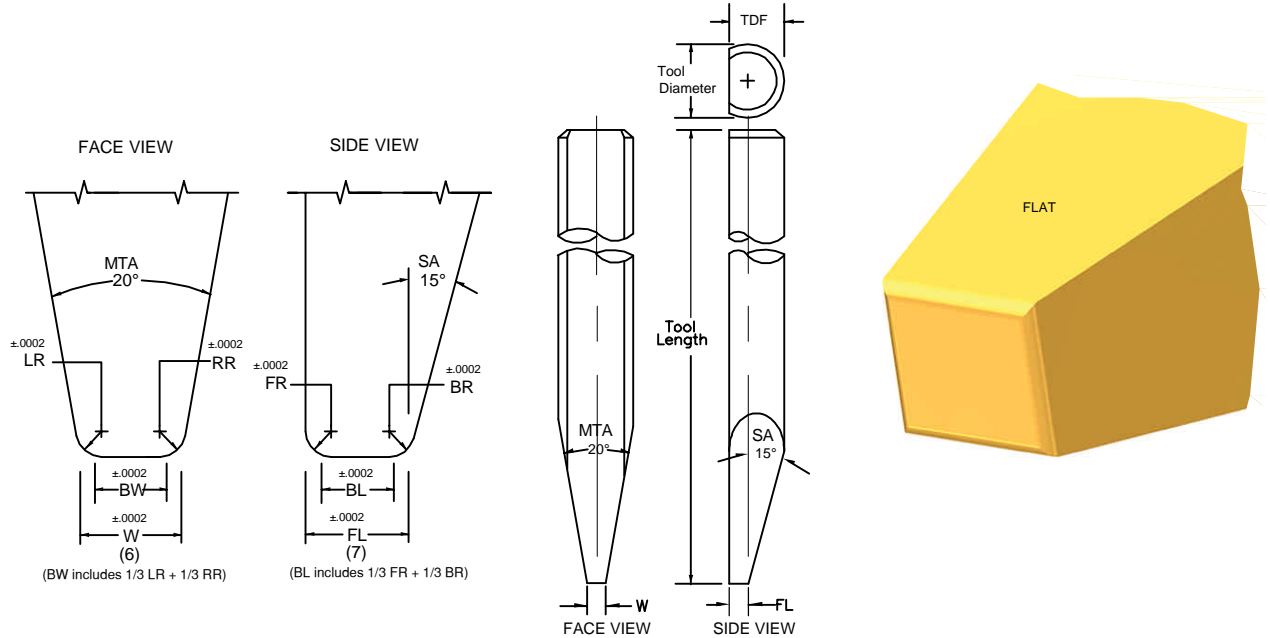


SERIES F-103A

Four Sides Radius Tab Tool



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-.004-.004-M-E-E

SYMBOL EXPLANATION: 1 2 3 4 5 6 7 8 9 10

- MATERIAL:**
 - M = Ceramic
 - C = Tungsten Carbide
 - T = Titanium
 - All other: Material Selection Guide **Tool Tips**
- SERIES:** F
- STYLE:** 103A
- TOOL DIAMETER:** Please specify
- TOOL LENGTH:** Please specify
- BOND WIDTH: (BW)** Please specify (include 1/3 FR + 1/3 BR)
- BOND LENGTH: (BL)** Please specify (includes 1/3 FR + 1/3 BR)
- 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.
- FRONT/BACK RADIUS:** See Option Chart below.
- 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
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