

SERIES RKN & RKN-V

RIBBON WIRE

ORDERING INFORMATION
RIBBON BONDING WEDGES
FOR GOLD AND ALUMINUM WIRE

SAMPLE PART NUMBER: M-RKN-O-D-1/16-1-45-CG-.5x5-2-M- *

SYMBOL EXPLANATION: 1 2 3 4 5 6 7 8 9 10 11 12

- MATERIAL:**
 M = Ceramic
 C = Tungsten Carbide
 T = Titanium
 All other: See Material Selection Guide
- SERIES:** RKN
- WIRE FEED:** O = Standard Feed
 V = Vertical Feed
- FRONT/BACK RADIUS:** See Radius Option Chart
 *For special Radius sizes insert an X Please specify FR/BR
- SHANK DIA.:** Please Specify Diameter
- TOOL LENGTH:** Please Specify Length
- HOLE ANGLE:** for RKN (30°, 38°, 45°, 52°, 55°, 60°) for RKN-V (45°, 55°, 60°)
 for RKN-V with A8D Opt.(45°, 52°)
- FOOT TYPE:** F = Flat
 CG = Cross Groove
 DT = Diamond Tip
 (Please specify Ribbon size)
- Bond Length:** See Standard Chart
 Example: BL of .0020 = 2
 Note: We do not recommend bond lengths any larger than .005".
- RIBBON SIZE:** See Standard Chart
 Example: .0005 x .005 = .5 x 5
 Thickness x Width
- FOOT FINISH:**
 M = Matte finish (FR, BR, & Bond Flat)
 P = Polish finish (FR, BR, & Bond Flat)
 MP = Polish finish (FR, BR), and Matte finish (Bond Flat)
- (12) See Tool Option**

For special sizes or dimensions insert an (X) in the appropriate position of the part number then specify what (X) equals. Example: M-RKN-O-X-1/16-3/4-45-CG-.5x5-2-M-A7 (X) FR=.0012, BR=.0007

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

For Vertical Feed: Tmax. for Dia. 1/16 = .0190 and for A8D: Tmax=.0243, Supplies only to Standard size Ø1/16, larger tool Ø are different.

Size Restrictions for Vertical Feed Tools		
STANDARD		
TD	Maximum Ribbon Width	Maximum *T* Dimension
1/16	.0150	.0190
3/32	.0300	.0210
A8D Option, RW up to .0070		
TD	Maximum Ribbon Width	Maximum *T* Dimension
1/16	.0070	.0243
A8D Option, RW .0080 and larger		
TD	Maximum Ribbon Width	Maximum *T* Dimension
1/16	.0120	.0190
Larger Tool Ø, Ribbon Width and *T* Dimensions available upon request		
RW = Ribbon Width		

STANDARD CHART				RKN		FOR RIBBON THICKNESS: .00025" THROUGH .0020" WIDTHS: .002" THROUGH .030"											
RIBBON WIDTH		RIBBON THICKNESS		BL		T(30°38°)		T(45° 52°)		T(55° 60°)		W					
in. μ		in. μ		in. μ		in. μ		in. μ		in. μ		in. μ					
Tolerance				±.0002 ±5		±.0005 ±13		±.0005 ±13		±.0005 ±13		±.0002 ±5					
.0020	51	.00025 through .00125	6.4 32	.0010 25		.0130 330		.0110 279		.0090 229		.0055	140				
				.0015 38		.0130 330		.0120 305		.0090 229							
				.0020 51		.0130 330		.0120 305		.0090 229							
				.0025 64		.0140 356		.0120 305		.0100 254							
				.0030 76		.0140 356		.0130 330		.0100 254							
.0030	76	.00025 through .00125	6.4 32	.0010 25		.0160 406		.0130 330		.0100 254		.0065	165				
				.0015 38		.0170 432		.0140 356		.0100 254							
				.0020 51		.0170 432		.0140 356		.0110 279							
				.0025 64		.0180 457		.0150 381		.0110 279							
				.0030 76		.0180 457		.0155 394		.0120 305							
.0040	102	.00025 through .00125	6.4 32	.0020 51		.0170 432		.0140 356		.0110 279		.0075	191				
				.0025 64		.0180 457		.0150 381		.0110 279							
				.0030 76		.0180 457		.0155 394		.0120 305							
				.0005 through .0020		13	.0020 51		.0170 432		.0140 356			.0110 279			
				.0025 64			.0180 457		.0150 381		.0110 279						
.0050	127	.0005 through .0020	13 51	.0030 76		.0180 457		.0155 394		.0120 305		.0085	216				
				.0035 89		.0190 483		.0160 406		.0120 305							
				.0025 64		.0180 457		.0150 381		.0110 279							
				.0030 76		.0180 457		.0155 394		.0120 305							
				.0035 89		.0190 483		.0160 406		.0120 305							
.0070	178	.0005 through .0020	13 51	.0025 64		.0180 457		.0150 381		.0110 279		.0125	318				
				.0030 76		.0180 457		.0155 394		.0120 305							
				.0035 89		.0190 483		.0160 406		.0120 305							
				.0040 102		.0195 495		.0160 406		.0130 330							
				.0025 64		.0180 457		.0150 381		.0110 279							
.0100	254	.0005 through .0020	13 51	.0030 76		.0180 457		.0155 394		.0120 305		.0155	394				
				.0035 89		.0190 483		.0155 394		.0120 305							
				.0040 102		.0195 495		.0160 406		.0130 330							
				.0025 64		.0180 457		.0150 381		.0110 279							
				.0030 76		.0180 457		.0155 394		.0120 305							
.0120	305	.0005 through .0020	13 51	.0035 89		.0190 483		.0160 406		.0120 305		.0175	445				
				.0040 102		.0195 495		.0160 406		.0130 330							
				.0025 64		.0180 457		.0150 381		.0110 279							
				.0030 76		.0180 457		.0155 394		.0120 305							
				.0035 89		.0190 483		.0160 406		.0120 305							
.0150	381	.0005 through .0020	13 51	.0040 102		.0195 495		.0160 406		.0130 330		.0205	521				
				.0025 64		.0180 457		.0150 381		.0110 279							
				.0030 76		.0180 457		.0155 394		.0120 305							
				.0035 89		.0190 483		.0160 406		.0120 305							
				.0040 102		.0195 495		.0160 406		.0130 330							
.0200	508	.0005 through .0020	13 51	.0025 64		.0180 457		.0150 381		.0110 279		.0255	648				
				.0030 76		.0180 457		.0155 394		.0120 305							
				.0035 89		.0190 483		.0160 406		.0120 305							
				.0040 102		.0195 495		.0160 406		.0130 330							
				.0030 76		.0180 457		.0155 394		.0120 305							

*Other sizes available upon request *All dimensions and tolerances are for reference only

"T" To be determined according to the size of FR and BR and Hole Bore Length

Accelonix BV
Luchthavenweg 18b • NL-5657 EB •
Eindhoven • The Netherlands •
T: +31 40 750 1650 • E: info@accelonix.nl