

SERIES RKS & RKS-V

RIBBON WIRE

ORDERING INFORMATION
RIBBON BONDING WEDGES
FOR GOLD AND ALUMINUM WIRE

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

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

1. **MATERIAL:**
 - M = Ceramic
 - C = Tungsten Carbide
 - T = Titanium
 - All other: Material Selection Guide Page 5
 2. **SERIES:** RKS
 3. **WIRE FEED:** O = Standard Feed
V = Vertical Feed
 4. **FRONT/BACK RADIUS:** See Radius Option Chart
*For special Radius sizes insert an X Please specify FR/BR
 5. **SHANK DIA.:** Please Specify Diameter
 6. **TOOL LENGTH:** Please Specify Length
 7. **HOLE ANGLE:** for RKS (30°, 38°, 45°, 52°, 55°, 60,°) for RKS-V (45°, 55°, 60,°)
for RKS-V with A8D Opt.(45°, 52°)
 - (12) See Tool Option
 - (11) **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)
 - (10) **Bond Length:** See Standard Chart
Example: BL of .0020 = 2
Note: We do not recommend bond lengths any larger than .005".
 - (9) **RIBBON SIZE:** See Standard Chart
Example: .0005 x .005 = .5 x 5
Thickness x Width
 - (8) **FOOT TYPE:**
 - F = Flat
 - CG = Cross Groove
 - DT = Diamond Tip
- (Please specify Ribbon size)

For special sizes or dimensions insert an (X) in the appropriate position of the part number then specify what (X) equals. Example: M-RKS-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	.0020
	BACK RADIUS	μ	13	13	25	25	25	38	38	38	38	51	51	51	51	51
	in.	0	.0005	0	.0005	.0010	0	.0005	.0010	.0015	0	.0005	.0010	.0015	.0020	
	μ	0	13	0	13	25	0	13	25	38	0	13	25	38	51	

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		
TD	Maximum Ribbon Width	Maximum "T" Dimension
1/16	.0120	.0243
3/32	.0250	.0260
Larger Ribbon Width and "T" Dimensions available upon request		

STANDARD CHART		RKS		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	in.	μ	in.	μ										
Tolerance		±.0002	±5	±.0005	±13	±.0005	±13	±.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	.0110	279	.0090	229																
				.0020	51	.0140	356	.0120	305	.0100	254																
				.0025	64	.0140	356	.0120	305	.0100	254																
.0030	76	.00025 through .00125	6.4 32	.0030	76	.0150	381	.0130	330	.0110	279	.0065	165														
				.0015	38	.0160	406	.0140	356	.0120	279																
				.0020	51	.0160	406	.0140	356	.0120	305																
				.0025	64	.0170	432	.0150	381	.0120	305																
.0040	102	.00025 through .00125	6.4 32	.0030	76	.0170	432	.0155	394	.0125	318	.0075	191														
				.0020	51	.0160	406	.0140	356	.0120	305																
				.0025	64	.0170	432	.0150	381	.0120	305																
				.0030	76	.0170	432	.0155	394	.0125	318																
.0050	127	.0005 through .0020	13 51	.0020	51	.0160	406	.0140	356	.0120	305	.0085	216														
				.0025	64	.0170	432	.0150	381	.0120	305																
				.0030	76	.0170	432	.0155	394	.0125	318																
				.0035	89	.0180	457	.0155	394	.0130	330																
.0070	178	.0005 through .0020	13 51	.0025	64	.0170	432	.0150	381	.0120	305	.0125	318														
				.0030	76	.0170	432	.0155	394	.0125	318																
				.0035	89	.0180	457	.0155	394	.0130	330																
				.0040	102	.0180	457	.0160	406	.0130	330																
.0100	254	.0005 through .0020	13 51	.0025	64	.0170	432	.0150	381	.0120	305	.0155	394														
				.0030	76	.0170	432	.0155	394	.0125	318																
				.0035	89	.0180	457	.0155	394	.0130	330																
				.0040	102	.0180	457	.0160	406	.0130	330																
.0120	305	.0005 through .0020	13 51	.0025	64	.0170	432	.0150	381	.0120	305	.0175	445														
				.0030	76	.0170	432	.0155	394	.0125	318																
				.0035	89	.0180	457	.0155	394	.0130	330																
				.0040	102	.0180	457	.0160	406	.0130	330																
.0150	381	.0005 through .0020	13 51	.0025	64	.0170	432	.0150	381	.0120	305	.0205	521														
				.0030	76	.0170	432	.0155	394	.0125	318																
				.0035	89	.0180	457	.0155	394	.0130	330																
				.0040	102	.0180	457	.0160	406	.0130	330																
.0200	508	.0005 through .0020	13 51	.0025	64	.0170	432	.0150	381	.0120	305	.0255	648														
				.0030	76	.0170	432	.0155	394	.0125	318																
				.0035	89	.0180	457	.0155	394	.0130	330																
				.0040	102	.0180	457	.0160	406	.0130	330																

*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

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 Example: .0005 x .005 = .5 x 5
 Thickness x Width
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	FRONT RADIUS	in.	.0005	.0005	.0010	.0010	.0010	.0015	.0015	.0015	.0015	.0020	.0020	.0020	.0020	.0020
	BACK RADIUS	μ	13	13	25	25	25	38	38	38	38	51	51	51	51	51
	in.	0	.0005	0	.0005	.0010	0	.0005	.0010	.0015	0	.0005	.0010	.0015	.0020	
	μ	0	13	0	13	25	0	13	25	38	0	13	25	38	51	

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				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		
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	.0110	279	.0090	229		
.0030	76	.00025 through .00125	6.4 32	.0020	51	.0140	356	.0120	305	.0100	254	.0065	165
				.0025	64	.0140	356	.0120	305	.0100	254		
.0040	102	.00025 through .00125	6.4 32	.0030	76	.0150	381	.0130	330	.0105	267	.0075	191
				.0035	89	.0150	381	.0130	330	.0105	267		
.0050	127	.00025 through .0020	6.4 51	.0040	102	.0160	406	.0140	356	.0110	279	.0085	216
				.0045	113	.0160	406	.0140	356	.0110	279		
.0070	178	.00025 through .0020	6.4 51	.0050	127	.0170	432	.0150	381	.0120	305	.0125	318
				.0055	139	.0170	432	.0150	381	.0120	305		
.0100	254	.00025 through .0020	6.4 51	.0060	152	.0180	457	.0160	406	.0125	318	.0155	394
				.0065	164	.0180	457	.0160	406	.0125	318		
.0120	305	.00025 through .0020	6.4 51	.0070	178	.0190	483	.0170	432	.0130	330	.0175	445
				.0075	190	.0190	483	.0170	432	.0130	330		
.0150	381	.00025 through .0020	6.4 51	.0080	203	.0200	508	.0180	457	.0135	339	.0205	521
				.0085	215	.0200	508	.0180	457	.0135	339		
.0200	508	.00025 through .0020	6.4 51	.0100	254	.0210	534	.0190	483	.0140	356	.0255	648
				.0105	266	.0210	534	.0190	483	.0140	356		

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