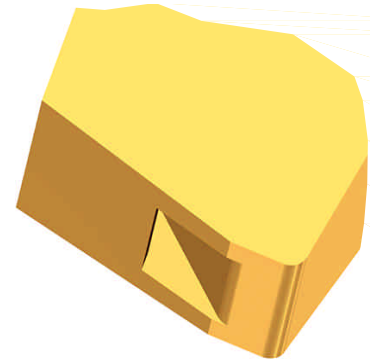
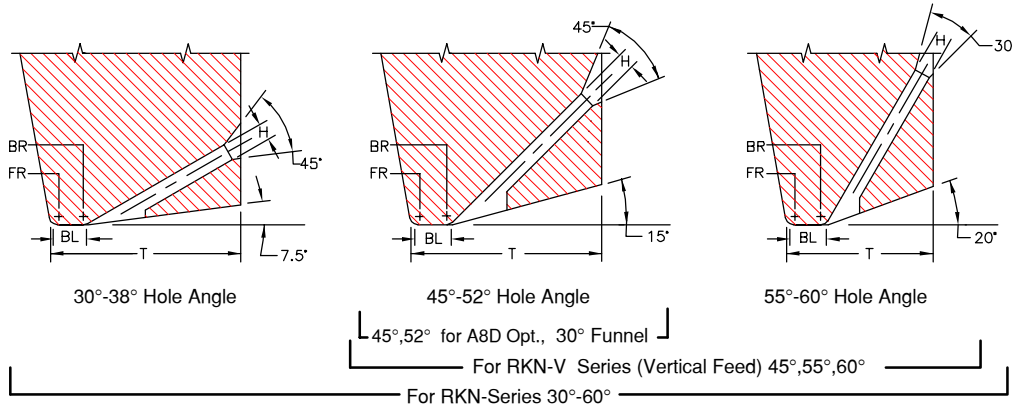


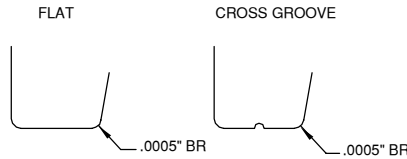
SERIES RKN & RKN-V

RIBBON WIRE

FOR MANUAL AND SEMI-AUTOMATIC BONDERS



	TD		TDF		For Vertical Hole
	in.	mm	in.	mm	
1/16	.0624	1.59	.0460	1.17	X
1/16	.0624	1.59	.0590	1.50	
	.0784	1.99	.0630	1.60	X
	.0784	1.99	.0720	1.83	
3/32	.0937	2.38	.0880	2.24	X
	.1180	3.00	.0985	2.50	
1/8	.1249	3.17	.0937	2.38	
1/8	.1249	3.17	.1180	3.00	



We recommend a .0005" back radius and a cross groove or a flat bond foot when ordering tools for gold wire thermosonic bonding. For more gold wire application information see **Tech Tip**

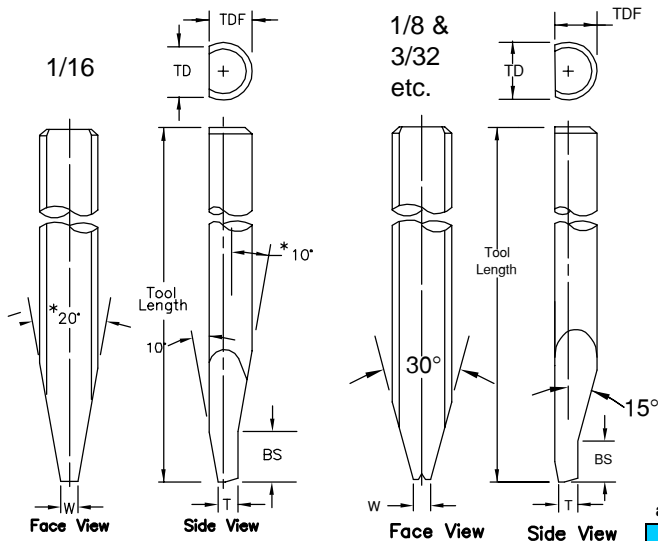
Available Vertical Hole Ø marked with X

RCS-V SERIES VERTICAL FEED DEEP ACCESS

RKN-SERIES RIBBON WIRE

Ribbon Width: .0020" through .030"
Ribbon Thickness: .00025" through .0020"

For all large Ø

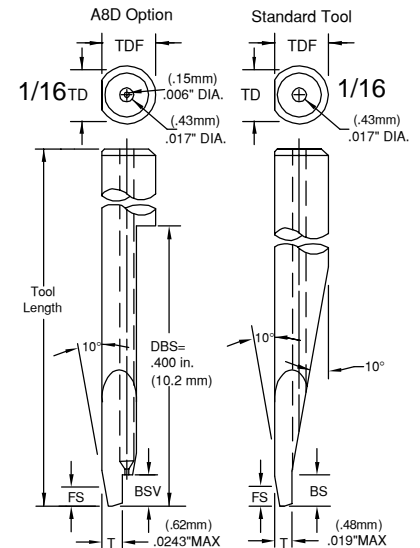


Standard: Ø 1/16, 45° to 52° Hole Angle : BS"=.045" (1.14mm) .
Supplies only to Standard size Ø1/16, larger tool Ø are different.
Standard: (BS) supplied unless otherwise specified. See Tool Options #A3

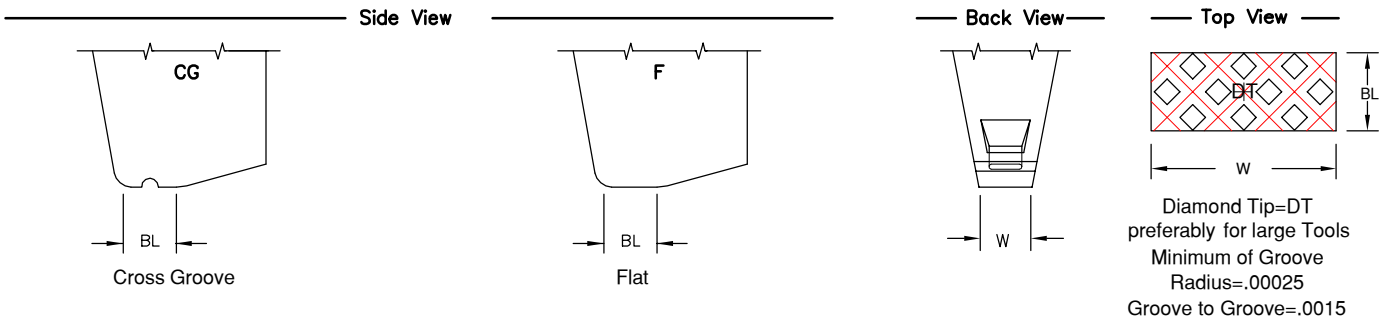
NOTE: We recommend our A8D option for enhanced wire control. Our standard vertical feed has slightly more clearance but less wire control. See Tool Option for illustration. To order just add A8D in space 12.

A8D Option
available for ribbon widths up to .005

Hole Angle	BSV	
	in.	mm
45°	.035	.89
52°	.050	1.27



Standard: Ø1/16 45° to 52° Hole Angle :
FS=.015" (.38mm) BS"=.045" (1.14mm)
Standard: (FS&BS) supplied unless otherwise specified. See Tool Options
No FS if T=MAX



Diamond Tip=DT preferably for large Tools
Minimum of Groove Radius=.00025
Groove to Groove=.0015

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: Material Selection Guide Tech Tip
 - 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°)
- (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-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	.0015	.0020	.0020	.0020	.0020	.0020
	BACK RADIUS	μ	13	13	25	25	25	38	38	38	38	38	51	51	51	51	51
	in.	0	.0005	0	.0005	.0010	0	.0005	.0010	.0015	0	.0005	.0010	.0015	.0020	.0020	
	μ	0	13	0	13	25	0	13	25	38	0	13	25	38	51	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		RKN										FOR RIBBON THICKNESS: .00025" THROUGH .0020"	
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	.0090 229	.0090 229	.0090 229	.0090 229	.0055	140
.0030	76	.00025 through .00125	6.4 32	.0015 38	.0130 330	.0120 305	.0090 229	.0090 229	.0090 229	.0090 229	.0090 229	.0065	165
.0040	102	.00025 through .00125	6.4 32	.0020 51	.0130 330	.0120 305	.0090 229	.0090 229	.0090 229	.0090 229	.0090 229	.0075	191
.0050	127	.0005 through .0020	13 51	.0025 64	.0140 356	.0120 305	.0100 254	.0100 254	.0100 254	.0100 254	.0100 254	.0085	216
.0070	178	.0005 through .0020	13 51	.0030 76	.0140 356	.0130 330	.0100 254	.0100 254	.0100 254	.0100 254	.0100 254	.0125	318
.0100	254	.0005 through .0020	13 51	.0035 89	.0180 483	.0150 381	.0110 279	.0110 279	.0110 279	.0110 279	.0110 279	.0155	394
.0120	305	.0005 through .0020	13 51	.0040 102	.0180 483	.0150 381	.0110 279	.0110 279	.0110 279	.0110 279	.0110 279	.0175	445
.0150	381	.0005 through .0020	13 51	.0040 102	.0180 483	.0150 381	.0110 279	.0110 279	.0110 279	.0110 279	.0110 279	.0205	521
.0200	508	.0005 through .0020	13 51	.0040 102	.0195 495	.0160 406	.0130 330	.0130 330	.0130 330	.0130 330	.0130 330	.0255	648

*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