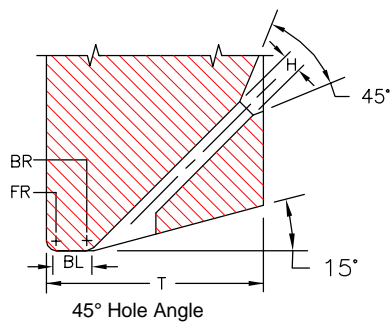


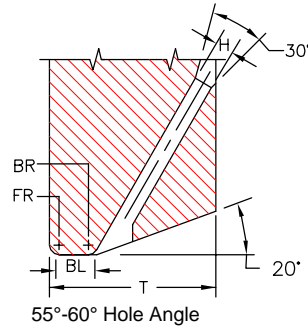
# SERIES RNH

FOR AUTOMATIC BONDERS

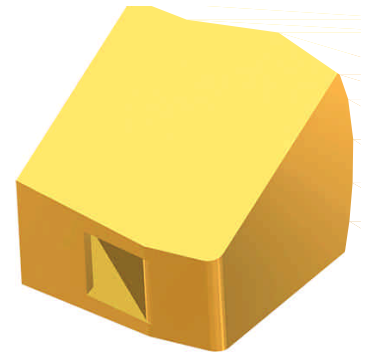
Double Flat, Vertical Feed for Hughes, Palomar, Hesse & Knipps and F&K Delvotec Bonders



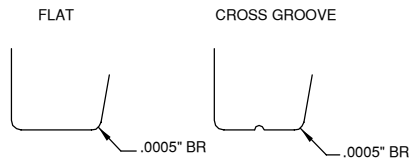
45° Hole Angle



55°-60° Hole Angle



FOR RNH-SERIES

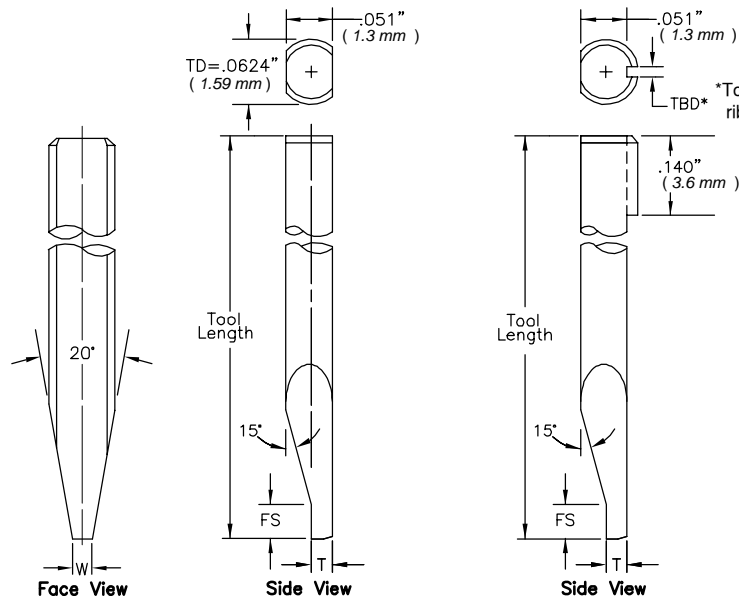


We recommend a .0005" back radius and a cross groove or a flat bond foot when ordering tools for gold wire thermosonic bonding. For more gold wire application information see **Tech Tip**

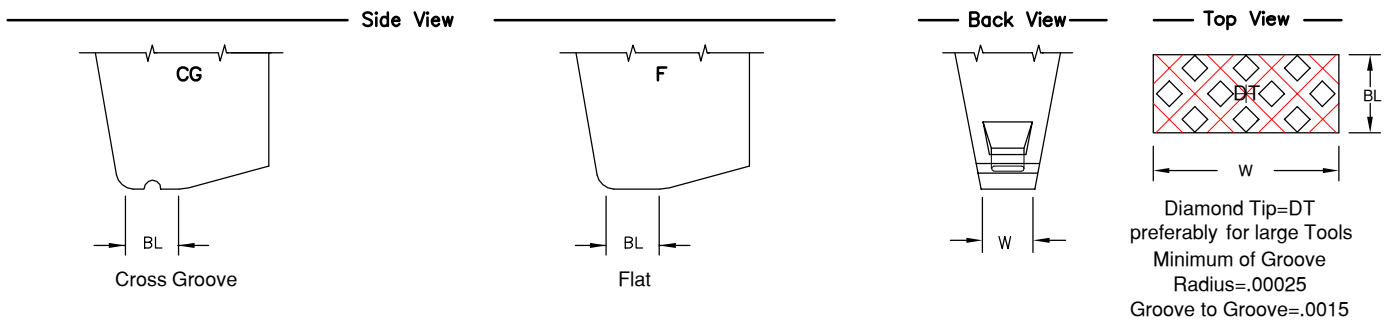
## RNH-SERIES RIBBON WIRE

Ribbon Width: .0020" through .0200"  
Ribbon Thickness: .00025" through .0020"

\* S1 Option



Standard:  $\varnothing$  1/16, Hole Angle: 45°, 55°, 60°, FS"=.015" (.38 mm)



# SERIES RNH

## RIBBON WIRE

### ORDERING INFORMATION

#### RIBBON BONDING WEDGES

#### FOR GOLD AND ALUMINUM WIRE

**SAMPLE PART NUMBER:** M-RNH-D-1/16-1"-45-CG-.5x5-2-M-\*  
**SYMBOL EXPLANATION:** 1 2 3 4 5 6 7 8 9 10 11

1. **MATERIAL:**
  - M = Ceramic
  - C = Tungsten Carbide
  - T = Titanium
  - All other: Material Selection Guide Tech Tips
2. **SERIES:** RNH
3. **FRONT/BACK RADIUS:** See Radius Option Chart  
 \*For special Radius sizes insert an X Please specify FR/BR
4. **SHANK DIA.:** Please Specify Diameter
5. **TOOL LENGTH:** Please Specify Length
6. **HOLE ANGLE:** for RNH (45°,55°,60°)
- (7) **FOOT TYPE:**
  - F = Flat
  - CG = Cross Groove
  - DT = Diamond Tip
  - (Please specify Ribbon size)
- (8) **RIBBON SIZE:** See Standard Chart  
 Example: .0005 x .005 = .5 x 5  
 Thickness x Width
- (9) **Bond Length:** See Standard Chart  
 Example: BL of .0020 = 2  
 Note: We do not recommend bond lengths any larger than .005".
- (10) **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)
- (11) 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-RNH-X-1/16-1"-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	.0020
		μ	13	13	25	25	25	38	38	38	38	51	51	51	51	51	51
BACK RADIUS	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	

STANDARD CHART		RNH		FOR RIBBON THICKNESS: .00025" THROUGH .0020"		WIDTHS: .002" THROUGH .030"					
RIBBON WIDTH	RIBBON THICKNESS	BL		T(45°)		T(55° 60°)		W			
		in.	μ	in.	μ	in.	μ	in.	μ		
<b>Tolerance</b>		±.0002 ±5		±.0005 ±13		±.0005 ±13		+.0002 ±5			
.0020	51	.00025 through .00125	6.4	.0010	25	.0090	229	.0080	203	.0055	140
				.0015	38	.0100	254	.0080	203		
				.0020	51	.0110	279	.0090	229		
				.0025	64	.0115	292	.0100	254		
				.0030	76	.0115	292	.0100	254		
.0030	76	.00025 through .00125	6.4	.0010	25	.0090	229	.0080	203	.0065	165
				.0015	38	.0100	254	.0080	203		
				.0020	51	.0110	279	.0090	229		
				.0025	64	.0115	292	.0100	254		
				.0030	76	.0115	292	.0100	254		
.0040	102	.00025 through .00125	6.4	.0020	51	.0110	279	.0090	229	.0075	191
				.0025	64	.0115	292	.0100	254		
				.0030	76	.0115	292	.0100	254		
				.0035	89	.0120	305	.0100	254		
				.0040	102	.0125	318	.0110	279		
.0050	127	.0005 through .0020	13	.0020	51	.0110	279	.0090	229	.0085	216
				.0025	64	.0115	292	.0090	229		
				.0030	76	.0115	292	.0100	254		
				.0035	89	.0120	305	.0100	254		
				.0040	102	.0125	318	.0110	279		
.0070	178	.0005 through .0020	13	.0025	64	.0120	305	.0100	254	.0125	318
				.0030	76	.0120	305	.0100	254		
				.0035	89	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		
.0100	254	.0005 through .0020	13	.0025	64	.0120	305	.0100	254	.0155	394
				.0030	76	.0120	305	.0100	254		
				.0035	89	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		
.0120	305	.0005 through .0020	13	.0025	64	.0120	305	.0100	254	.0175	445
				.0030	76	.0120	305	.0100	254		
				.0035	89	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		
.0150	381	.0005 through .0020	13	.0025	64	.0120	305	.0100	254	.0205	521
				.0030	76	.0120	305	.0100	254		
				.0035	89	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		
.0200	508	.0005 through .0020	13	.0025	64	.0120	305	.0100	254	.0255	648
				.0030	76	.0120	305	.0100	254		
				.0035	89	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		
				.0040	102	.0125	318	.0110	279		

\*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