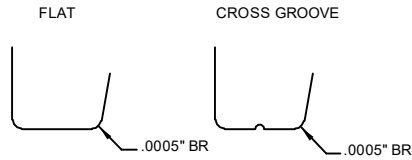
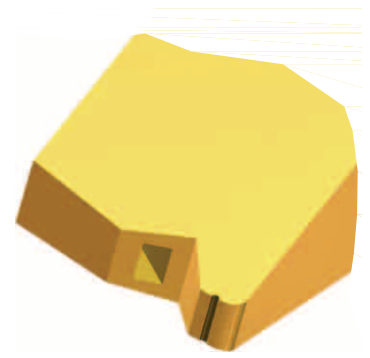
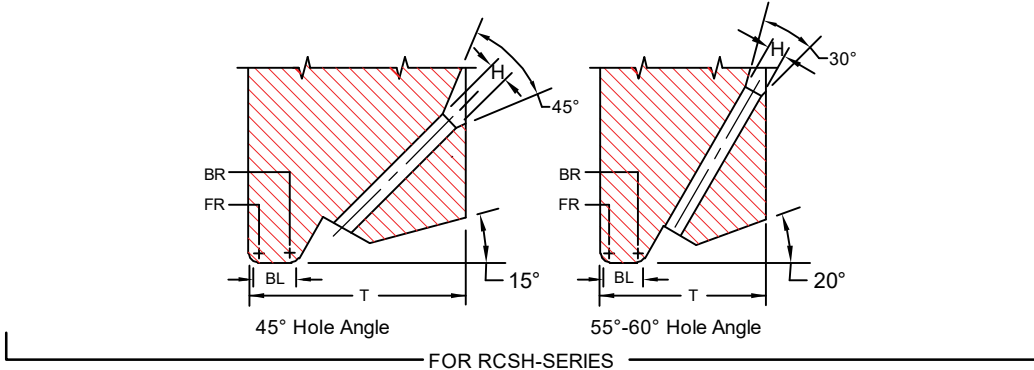


SERIES RCSSH

FOR MANUAL AND SEMI-AUTOMATIC BONDERS

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

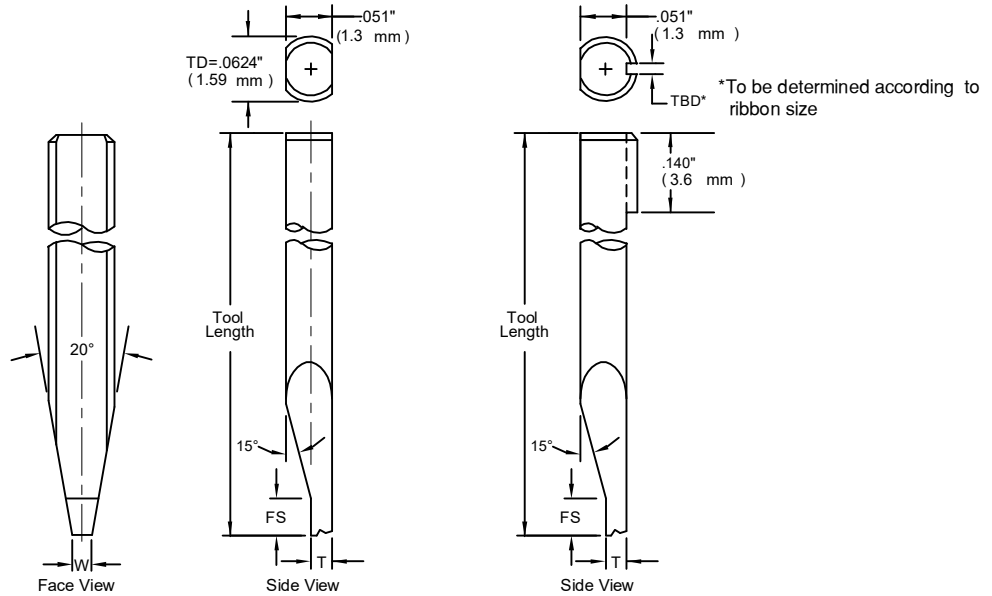


We recommend a .0005" back radius and a cross groove or a flat bond foot when ordering tools for gold wire thermosonic bonding. For more gold wire application information see **Tech Tip**

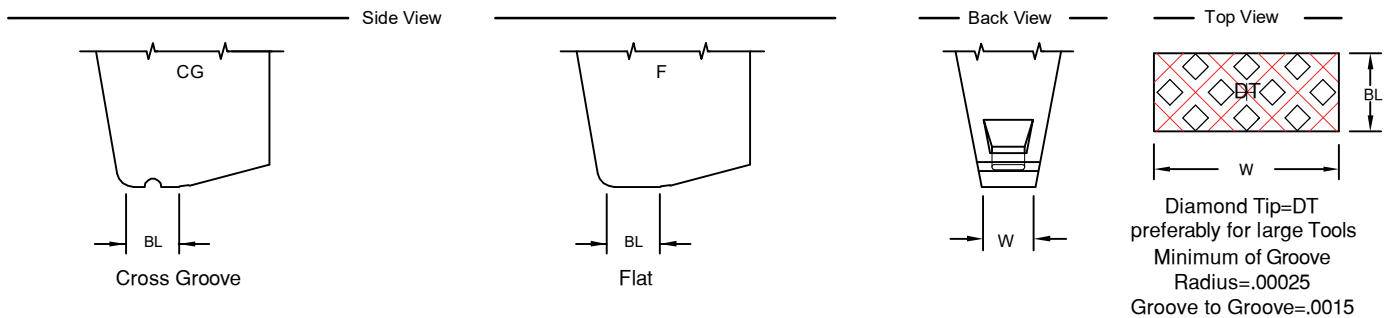
RCSSH-SERIES RIBBON WIRE

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

* S1 Option



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



SERIES RCSH

RIBBON WIRE

ORDERING INFORMATION
RIBBON BONDING WEDGES
FOR GOLD AND ALUMINUM WIRE

SAMPLE PART NUMBER: M-RCSH-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: See Material Selection Guide
 2. **SERIES:** RCSH _____
 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 RCSH (45°,55°,60°) _____
- (12) See Tool Option
- (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)
- (9) **Bond Length:** See Standard Chart
 Example: BL of .0020 = 2
 Note: We do not recommend bond lengths any larger than .005".
- (8) **RIBBON SIZE:** See Standard Chart
 Example: .0005 x .005 = .5 x 5
 Thickness x Width
- (7) **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-RCSH-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 |
| | μ | 13 | 13 | 25 | 25 | 25 | 38 | 38 | 38 | 38 | 51 | 51 | 51 | 51 | 51 |
| BACK RADIUS | 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 |

| STANDARD CHART | | RCSH | | 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 | | |
| Tolerance | | ±.0002 | ±5 | ±.0005 | ±13 | ±.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 | .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 | | |
| .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 | | |
| .0050 | 127 | .0005 through .0020 | 13 | .0025 | 64 | .0115 | 292 | .0090 | 229 | .0085 | 216 |
| | | | | .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 | | |
| .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 | | |
| .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 | | |
| .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 | | |
| .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 | | |

*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