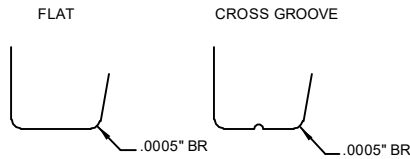
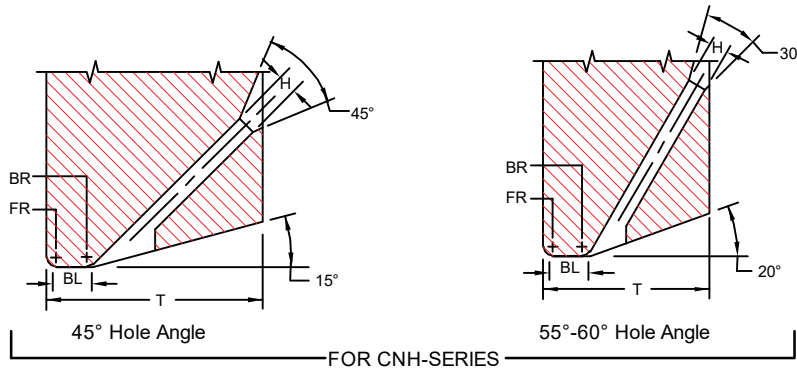


SERIES CNH

FOR AUTOMATIC BONDERS

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

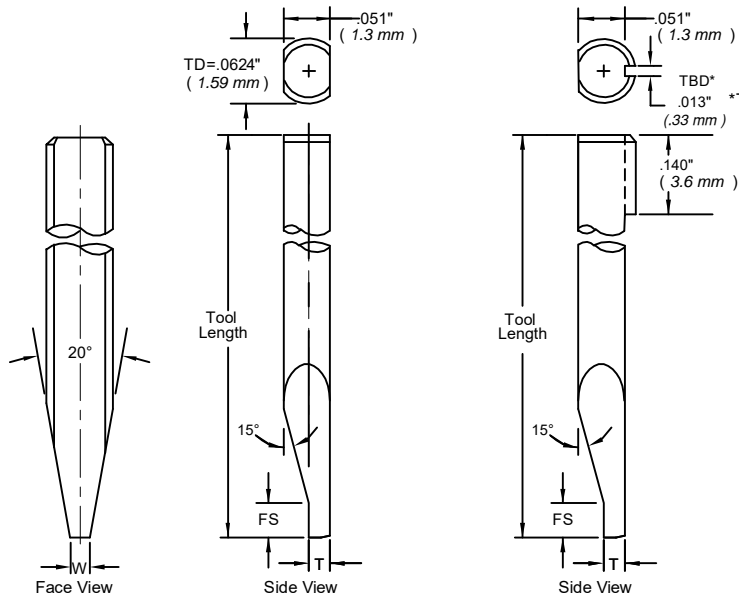


We recommend a .0005" back radius and a cross groove or a flat bond foot when ordering tools for gold wire thermosonic bonding. For more gold wire application information see **Tech Tips**

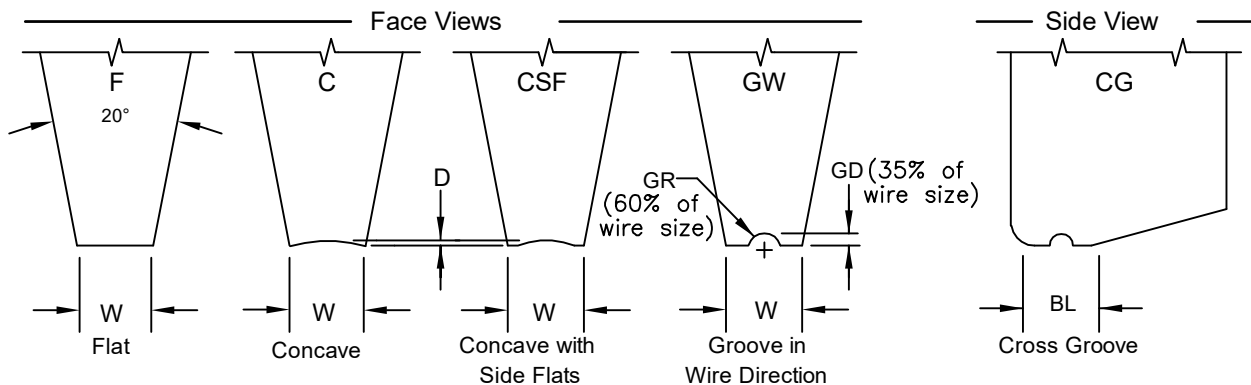
CNH-SERIES

WIRE Ø .0005" through .0020

S1 Option



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



SERIES CNH

SMALL WIRE

ORDERING INFORMATION
SMALL WIRE BONDING WEDGES
FOR GOLD AND ALUMINUM WIRE

SAMPLE PART NUMBER: **M-CN H-D-1/16-3/4-45-CG-2020-M-***

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

1. MATERIAL:

- M = Ceramic
- C = Tungsten Carbide
- T = Titanium

All other: See Material Selection Guide

2. SERIES: CNH

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: 45°,55°,60

(10) S1 and other Option
See Tool Options

(9) 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)

(8) TOOL SIZE: See Standard Chart

(7) FOOT TYPE:

- F = Flat
- C = Concave
- CSF = Concave with Side Flats
(CSF not available with ceramic tools)
- CG = Cross Groove
- GW = Groove in wire direction
(Please specify wire size)

For special sizes or dimensions insert an (X) in the appropriate position of the part number then specify what (X) equals.

Example: M-CN H-X-1/16-3/4-45-F-2020-M (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		CNH SMALL WIRE: FOR WIRE DIAMETERS .0005" THROUGH .0020"											
TS	H	BL		D		T 45°		T(55° 60°)		W		SUGGESTED WD	
Units	in. μ	in. μ	in. μ	in. μ	in. μ	in. μ	in. μ	in. μ	in. μ	in. μ	in. μ	in. μ	in. μ
Tolerance	±.0002 ±5	±.0002 ±5	-.0001 -2.5	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13
1505	.0015 38	.0005 13	.0002 5	.0080 203	.0075 191	.0025 64							
1507	.0015 38	.0007 18	.0002 5	.0080 203	.0075 191	.0025 64							.0005 13
1510	.0015 38	.0010 25	.0002 5	.0090 229	.0080 203	.0025 64							through
1513	.0015 38	.0013 33	.0002 5	.0090 229	.0080 203	.0025 64							.0007 18
1515	.0015 38	.0015 38	.0002 5	.100 254	.0080 203	.0025 64							
1520	.0015 38	.0020 51	.0002 5	.100 254	.0090 229	.0025 64							
Tolerance	±.0002 ±5	±.0002 ±5	-.0001 -2.5	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13	±.0005 ±13
2010	.0020 51	.0010 25	.0002 5	.100 254	.0090 229	.0040 102							
2015	.0020 51	.0015 38	.0002 5	.110 279	.100 254	.0040 102							.0007 18
2020	.0020 51	.0020 51	.0002 5	.110 279	.100 254	.0040 102							through
2025	.0020 51	.0025 64	.0002 5	.120 305	.110 279	.0040 102							.0010 25
2030	.0020 51	.0030 76	.0002 5	.120 305	.110 279	.0040 102							
2520	.0025 64	.0020 51	.0002 5	.120 305	.100 254	.0040 102							
2525	.0025 64	.0025 64	.0002 5	.130 330	.100 254	.0040 102							
2530	.0025 64	.0030 76	.0002 5	.130 330	.110 279	.0050 127							.0013 33
2535	.0025 64	.0035 89	.0002 5	.140 356	.120 305	.0050 127							
2540	.0025 64	.0040 102	.0002 5	.140 356	.120 305	.0050 127							
3020	.0030 76	.0020 51	.0003 8	.130 330	.110 279	.0050 127							
3025	.0030 76	.0025 64	.0003 8	.130 330	.120 305	.0050 127							
3030	.0030 76	.0030 76	.0003 8	.140 356	.120 305	.0050 127							.0015 38
3035	.0030 76	.0035 89	.0003 8	.140 356	.130 330	.0050 127							
3040	.0030 76	.0040 102	.0003 8	.150 381	.130 330	.0050 127							
3525	.0035 89	.0025 64	.0003 8	.150 381	.120 305	.0060 152							
3530	.0035 89	.0030 76	.0003 8	.150 381	.130 330	.0060 152							
3535	.0035 89	.0035 89	.0003 8	.160 406	.130 330	.0060 152							.0020 51
3540	.0035 89	.0040 102	.0003 8	.160 406	.140 356	.0060 152							
3545	.0035 89	.0045 114	.0003 8	.170 432	.140 356	.0060 152							
3550	.0035 89	.0050 127	.0003 8	.170 432	.140 356	.0060 152							

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

TOOL SIZE=TS, WIRE DIAMETER=WD ** To be determined according to the size of FR and BR and Hole Bore Length