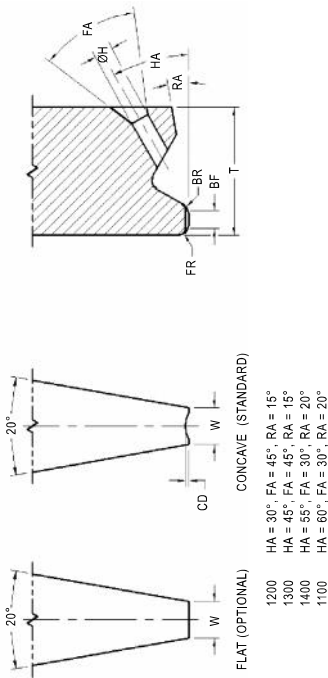


The 0° back bonding wedge is designed for use with aluminum wire in all conventional bonding machines. The 0° back angle is designed to solve problems of package wall height clearance around the lead.

The notched tip minimizes wire drag during the looping formation preventing heel cracks and broken wires.



Tool Styles	Hole / Bond Flat	Hole H in / µm ±.0002/5	Bond Flat BF in / µm ±.0002/5	Front Radius FR in / µm ±.0001/3	Back Radius BR in / µm ±.0001/3	STANDARD DIMENSIONS		Foot Width W 1200, 1300 in / µm ±.0002/5	Foot Width W 1400, 1100 in / µm ±.0002/5	Tip Thickness T 1200 in / µm ±.0005/13	Tip Thickness T 1300 in / µm ±.0005/13	Tip Thickness T 1400 / 1100 in / µm ±.0005/13	Usable Wire Diameter in / µm
						Foot Width W 1200, 1300 in / µm ±.0002/5	Foot Width W 1400, 1100 in / µm ±.0002/5						
2025	.0020 / 51	.0025 / 64	.0010 / 25	.0010 / 25	.0010 / 25	.0040 / 102	.0065 / 165	.0150 / 381	.0140 / 356	.0120 / 305	.0007 / 18 through .0013 / 33		
2030	.0020 / 51	.0030 / 76	.0010 / 25	.0010 / 25	.0010 / 25	.0040 / 102	.0065 / 165	.0150 / 381	.0140 / 356	.0120 / 305	.0010 / 25 through .0013 / 33		
2520	.0025 / 64	.0020 / 51	.0010 / 25	.0010 / 25	.0010 / 25	.0040 / 102	.0065 / 165	.0150 / 381	.0140 / 356	.0120 / 305	.0010 / 25 through .0013 / 33		
2525	.0025 / 64	.0025 / 64	.0010 / 25	.0010 / 25	.0010 / 25	.0040 / 102	.0065 / 165	.0150 / 381	.0140 / 356	.0120 / 305	.0010 / 25 through .0013 / 33		
2530	.0025 / 64	.0030 / 76	.0010 / 25	.0010 / 25	.0010 / 25	.0040 / 102	.0065 / 165	.0150 / 381	.0140 / 356	.0120 / 305	.0010 / 25 through .0013 / 33		
2535	.0025 / 64	.0035 / 89	.0015 / 38	.0015 / 38	.0015 / 38	.0050 / 127	.0065 / 165	.0180 / 457	.0150 / 381	.0140 / 356	.0010 / 25 through .0013 / 33		
2540	.0025 / 64	.0040 / 102	.0015 / 38	.0015 / 38	.0015 / 38	.0050 / 127	.0065 / 165	.0180 / 457	.0150 / 381	.0140 / 356	.0010 / 25 through .0013 / 33		
3020	.0030 / 76	.0020 / 51	.0015 / 38	.0015 / 38	.0015 / 38	.0050 / 127	.0065 / 165	.0200 / 508	.0180 / 457	.0180 / 457	.0015 / 38 through .0017 / 40		
3025	.0030 / 76	.0025 / 64	.0015 / 38	.0015 / 38	.0015 / 38	.0050 / 127	.0065 / 165	.0200 / 508	.0180 / 457	.0180 / 457	.0015 / 38 through .0017 / 40		
3030	.0030 / 76	.0030 / 76	.0015 / 38	.0015 / 38	.0015 / 38	.0050 / 127	.0065 / 165	.0200 / 508	.0180 / 457	.0180 / 457	.0015 / 38 through .0017 / 40		
3035	.0030 / 76	.0035 / 89	.0015 / 38	.0015 / 38	.0015 / 38	.0050 / 127	.0065 / 165	.0200 / 508	.0180 / 457	.0180 / 457	.0015 / 38 through .0017 / 40		
3040	.0030 / 76	.0040 / 102	.0015 / 38	.0015 / 38	.0015 / 38	.0050 / 127	.0065 / 165	.0200 / 508	.0180 / 457	.0180 / 457	.0015 / 38 through .0017 / 40		
3530	.0035 / 89	.0030 / 76	.0020 / 51	.0020 / 51	.0020 / 51	.0060 / 152	.0065 / 165	.0220 / 559	.0200 / 508	.0210 / 533	.0017 / 40 through .0022 / 55		
3535	.0035 / 89	.0035 / 89	.0020 / 51	.0020 / 51	.0020 / 51	.0060 / 152	.0065 / 165	.0220 / 559	.0200 / 508	.0210 / 533	.0017 / 40 through .0022 / 55		
3540	.0035 / 89	.0040 / 102	.0020 / 51	.0020 / 51	.0020 / 51	.0060 / 152	.0065 / 165	.0220 / 559	.0200 / 508	.0210 / 533	.0017 / 40 through .0022 / 55		
3545	.0035 / 89	.0045 / 114	.0020 / 51	.0020 / 51	.0020 / 51	.0060 / 152	.0065 / 165	.0220 / 559	.0200 / 508	.0210 / 533	.0017 / 40 through .0022 / 55		
3550	.0035 / 89	.0050 / 127	.0020 / 51	.0020 / 51	.0020 / 51	.0060 / 152	.0065 / 165	.0220 / 559	.0200 / 508	.0210 / 533	.0017 / 40 through .0022 / 55		
1200B	.0020 / 51	.0025 / 64	.0015 / 38	.0010 / 25	.0010 / 25	.0040 / 102	.0065 / 165	.0150 / 381	.0140 / 356	.0140 / 356	.0007 / 18 through .0013 / 33		
1300B	.0020 / 51	.0030 / 76	.0015 / 38	.0010 / 25	.0010 / 25	.0040 / 102	.0065 / 165	.0150 / 381	.0140 / 356	.0140 / 356	.0010 / 25 through .0013 / 33		
1400B	.0025 / 64	.0020 / 51	.0015 / 38	.0010 / 25	.0010 / 25	.0040 / 102	.0065 / 165	.0150 / 381	.0140 / 356	.0120 / 305	.0010 / 25 through .0013 / 33		
1100B	.0025 / 64	.0025 / 64	.0015 / 38	.0010 / 25	.0010 / 25	.0050 / 127	.0065 / 165	.0150 / 381	.0140 / 356	.0140 / 356	.0010 / 25 through .0013 / 33		
2530	.0025 / 64	.0030 / 76	.0015 / 38	.0010 / 25	.0010 / 25	.0050 / 127	.0065 / 165	.0200 / 508	.0140 / 356	.0140 / 356	.0010 / 25 through .0013 / 33		

- For wire diameters .0010"/25µm or less consider the Microwave Bonding Tools
- Microwave Style Tool is recommended for Hole = .0020" and BF = .0020" and below.

STYLE		FEED ANGLE
1200	SLIMLINE BACK	30°
1300		45°
1400		55°
1100		60°

MATERIAL	HOLE / BOND FLAT	TOOL LENGTH (TL)
C Cermet composite for Gold Wire (recommended for Low Temperature bonding)	Will rely on specific application requirements (wire diameter used, bond pad size) – see dimension Table	S = .437 / 11.1 mm ¼ = .750 / 19.05 mm
M Microloy (Osmium-Carbide Alloy) for Gold & Aluminum Wire	* For Oval Hole options please specify HH (Hole Height) & HW (Hole Width)	L = .828 / 21.0 mm 1.00 = 1.00 / 25.4 mm
TI Titanium Carbide Composite for Gold Wire		Longer lengths are available consult Bondor manufacturer for specifications.
W Tungsten Carbide Ultra Fine Grain for Aluminum Wire		

FOOT OPTIONS	
Concave (Standard)	The Concave Depth (CD) is typically 10 to 15% of the usable wire diameter. There are small side flats on the edges to reduce edge chipping and minimize tool marks on the bond pad if the wire is missing.
CG	The FR and BR are polished. A fine matte finish within the area of the BF (Most Commonly Specified)
CM	The FR, BR and BF are matte.
Flat (Optional)	
F	The FR and BR are polished. A fine matte finish within the area of the BF (Most Commonly Specified)
FM	The FR, BR and BF are matte. Special foot options are available. Consult the factory for recommended dimensions for special foot options.
CG	The FR and BR are polished. A fine matte finish is within the area of the BF. Not recommended for BF smaller than .0020"/50µm
CGM	The FR and BR and BF are matte. Not recommended for BF smaller than .0020"/50µm

HOW TO ORDER	
SPECIFY	Style – Material – Hole/Bond Flat – Tool Length – Foot Option (For modifications to standard tools, use part number and specify modified dimensions) or contact our technical support staff for assistance with your requirements. For Special Shank Style refer to page 61.
EXAMPLE	1200A-W-2525-L-C 1200B-W-2530-S-C 1300A-W-2020-3/4-FM 1110A-W-2025-S-C