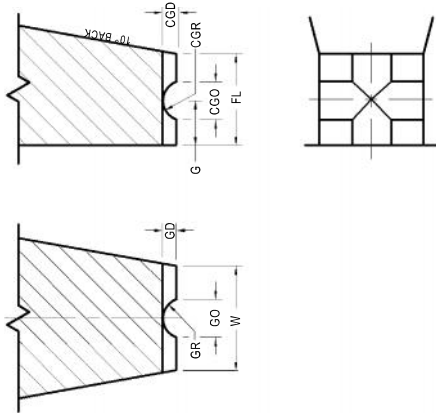


**XGR INSULATED WIRE BONDING WEDGE**



STANDARD DIMENSIONS						
Tool Styles	Foot Length FL in / $\mu$ m $\pm .000215$	Foot Width W in / $\mu$ m $\pm .000215$	Groove Depth GD / CGD in / $\mu$ m $\pm .000113$	Groove Radius GR / CGR in / $\mu$ m (Ref)	Groove Opening Cross Groove GO / CGO in / $\mu$ m $\pm .000215$	Useable Wire Diameter WD in / $\mu$ m (Ref)
XGR	.0035 / 89	.0040 / 102	-.0005 / 13	.0006 / 15	.0012 / 30	.0010 / 25
XGR	.0030 / 76	.0035 / 89	-.0005 / 13	.0006 / 15	.0012 / 30	.0010 / 25
XGR	.0035 / 89	.0040 / 102	-.0005 / 13	.0008 / 20	.0015 / 38	.0010 / 25
XGR	.0030 / 76	.0035 / 89	-.0005 / 13	.0008 / 20	.0015 / 38	.0010 / 25
XGR	.0045 / 114	.0055 / 140	-.0008 / 20	.0010 / 25	.0020 / 51	.0015 / 38
XGR	.0055 / 140	.0060 / 152	-.0008 / 20	.0010 / 25	.0020 / 51	.0015 / 38
XGR	.0045 / 114	.0055 / 140	-.0008 / 20	.0012 / 30	.0023 / 58	.0015 / 38
XGR	.0060 / 152	.0070 / 178	-.0010 / 25	.0012 / 30	.0024 / 61	.0020 / 51
XGR	.0070 / 178	.0080 / 203	-.0010 / 25	.0012 / 30	.0024 / 61	.0020 / 51
XGR	.0060 / 152	.0070 / 178	-.0010 / 25	.0015 / 38	.0028 / 71	.0020 / 51
XGR	.0070 / 178	.0080 / 203	-.0010 / 25	.0015 / 38	.0028 / 71	.0020 / 51

STYLE		
XGR	INSULATED WIRE BONDING WEDGE STANDARD 10° BACK	
MATERIAL		TOOL LENGTH (TL)
<b>C</b>	Cermet composite for Gold Wire (recommened for Low Temperature bonding)	Will rely on specific application requirements (Wire diameter used, bond pad size) – see dimension Table
<b>M</b>	Microley (Osmium-Carbide Alloy) for Gold & Aluminum Wire	S = .437 / 11.1 mm ¾ = .750 / 19.05 mm L = .828 / 21.0 mm 1.00 = 1.00 / 25.4 mm
<b>TI</b>	Titanium Carbide	Longer lengths are available
<b>W</b>	Composite for Gold Wire Tungsten Carbide Ultra Fine Grain for Aluminum Wire	consult Bonder manufacturer for specifications.
FOOT OPTIONS		
<b>M</b>	Matte finish on tip	

HOW TO ORDER	
<b>SPECIFY</b>	<b>Style – Material – Tool Diameter – Tool Length – Foot Design</b> (Specify FL, W, GD, CGD, GR and CGR dimensions) For Special Shank Style refer to page 61.
<b>EXAMPLE</b>	XGR-W-1/16-L-M FL=.0095, W = .0060, GD = CGD = .0008, GR = CGR = .0010