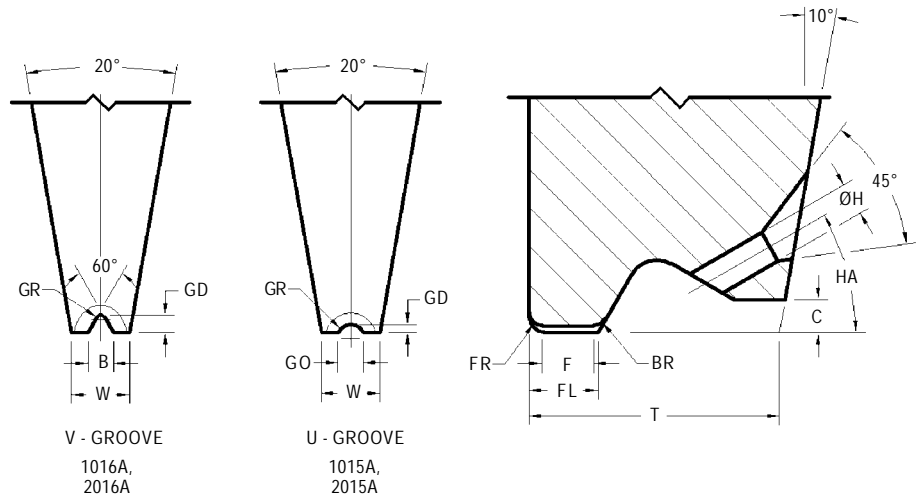


# INLINE GROOVE NOTCH TOOLS

## 1015A, 2015A / 1016A, 2016A STYLE



1015A, 1016A HA = 30°  
2015A, 2016A HA = 45°

### STANDARD DIMENSIONS

Tool Styles	Useable Wire Diameter WD in / $\mu\text{m}$	Hole Diameter H in / $\mu\text{m}$ $\pm .0005/13$	Foot Length FL in / $\mu\text{m}$ $\pm .0005/13$	Front Radius FR in / $\mu\text{m}$ $\pm .0005/13$	Back Radius BR in / $\mu\text{m}$ $\pm .0005/13$	Flat F in / $\mu\text{m}$ (Ref)	Foot Width W in / $\mu\text{m}$ $\pm .0005/13$	Clearance C in / $\mu\text{m}$ (Ref)	Tip Length T in / $\mu\text{m}$ $\pm .0010/25$	Groove Depth GD in / $\mu\text{m}$ $\pm .0002/5$	Groove Opening GO in / $\mu\text{m}$ $\pm .0005/13$
1015A 2015A	.0030 / 75	.0045 / 114	.0090 / 229	.0018 / 46	.0018 / 46	.0065 / 165	.0075 / 191	.0040 / 102	.0350 / 889	.0009 / 23	.0032 / 81
	.0040 / 100	.0060 / 152	.0120 / 305	.0024 / 61	.0024 / 61	.0090 / 229	.0100 / 254	.0040 / 102	.0400 / 1016	.0012 / 30	.0042 / 107
	.0050 / 125	.0075 / 191	.0150 / 381	.0030 / 76	.0030 / 76	.0110 / 279	.0125 / 318	.0040 / 102	.0450 / 1143	.0015 / 38	.0053 / 135
	.0060 / 150	.0900 / 229	.0180 / 457	.0036 / 91	.0036 / 91	.0135 / 343	.0150 / 381	.0040 / 102	.0500 / 1270	.0018 / 46	.0063 / 160
	.0070 / 175	.0105 / 267	.0210 / 533	.0042 / 107	.0042 / 107	.0155 / 394	.0175 / 445	.0040 / 102	.0570 / 1448	.0020 / 51	.0071 / 180
	.0080 / 200	.0120 / 305	.0210 / 533	.0048 / 122	.0048 / 122	.0150 / 381	.0200 / 508	.0040 / 102	.0570 / 1448	.0024 / 61	.0084 / 213
	.0100 / 250	.0150 / 381	.0210 / 533	.0060 / 152	.0060 / 152	.0130 / 330	.0250 / 635	.0040 / 102	.0570 / 1448	.0030 / 76	.0105 / 267
	.0120 / 300	.0180 / 457	.0300 / 762	.0072 / 183	.0072 / 183	.0210 / 533	.0300 / 762	.0060 / 152	.0880 / 2235	.0036 / 91	.0126 / 320
		$\pm .0005/13$	$\pm .0005/13$	$\pm .0005/13$	$\pm .0005/13$	(Ref)	$\pm .0005/13$	(Ref)	$\pm .0010/25$	$\pm .0002/5$	$\pm .0005/13$
1016A 2016A	.0030 / 75	.0045 / 114	.0090 / 229	.0018 / 46	.0018 / 46	.0070 / 178	.0075 / 191	.0040 / 102	.0350 / 889	.0015 / 68	.0033 / 84
	.0040 / 100	.0060 / 152	.0120 / 305	.0024 / 61	.0024 / 61	.0095 / 241	.0100 / 254	.0040 / 102	.0400 / 1016	.0020 / 51	.0044 / 112
	.0050 / 125	.0075 / 191	.0150 / 381	.0030 / 76	.0030 / 76	.0115 / 292	.0125 / 318	.0040 / 102	.0450 / 1143	.0025 / 64	.0055 / 140
	.0060 / 150	.0900 / 229	.0180 / 457	.0036 / 91	.0036 / 91	.0140 / 356	.0150 / 381	.0040 / 102	.0500 / 1270	.0030 / 76	.0066 / 168
	.0070 / 175	.0105 / 267	.0210 / 533	.0042 / 107	.0042 / 107	.0165 / 419	.0175 / 445	.0040 / 102	.0570 / 1448	.0035 / 89	.0077 / 196
	.0080 / 200	.0120 / 305	.0210 / 533	.0048 / 122	.0048 / 122	.0155 / 394	.0200 / 508	.0040 / 102	.0570 / 1448	.0040 / 102	.0088 / 224
	.0100 / 250	.0150 / 381	.0210 / 533	.0060 / 152	.0060 / 152	.0145 / 368	.0250 / 635	.0040 / 102	.0570 / 1448	.0050 / 127	.0110 / 279
	.0120 / 300	.0180 / 457	.0300 / 762	.0072 / 183	.0072 / 183	.0220 / 559	.0300 / 762	.0060 / 152	.0880 / 2235	.0060 / 152	.0132 / 335

## INLINE GROOVE NOTCH TOOLS - GENERAL GUIDELINES ON HOW TO ORDER

STYLE		FEED ANGLE
1015A	Inline and "U" Groove	30°
1016A	Inline and 60° "V" Groove	30°
2015A	Inline and "U" Groove	45°
2016A	Inline and 60° "V" Groove	45°
60° wire feed available with slimline		

WIRE SIZE	MATERIAL
Specify Wire Size	<b>W :</b> Tungsten Carbide Ultra Fine Grain for Aluminum Wire

Tool Dia	TD in / mm ±.0001"/3µm	TDF in / mm ±.0005"/13µm	Specified Length	TL in / mm ±.005"/130µm
1/16	.0624 / 1.585	.0570 / 1.448 *	3/4	.750 / 19.05
1/8	.1249 / 3.172	.0937 / 2.378 ***	L	.828 / 21.0
2mm	.0785 / 1.995 @	.0630 / 1.600 *	1.00	1.000 / 25.4
3mm	.1180 / 2.997	.0985 / 2.502 **	30mm	1.181 / 30.0

NOTE	
*	limited size availability.
**	.110" / 2.79mm TDF supplied if required by foot geometry.
***	.1180" / 3.00mm TDF supplied if required by foot geometry.
@	Tolerance +0 / - .0002" / 5µm

FOOT OPTIONS	
<b>G</b>	The FR and BR are polished and a fine matte finish is within the area of the groove. (Standard)
<b>GM</b>	The FR, BR and groove have a matte finish

HOW TO ORDER	
<b>SPECIFY</b>	<b>Style - Wire - Material - Tool Diameter - Tool Length - Foot Option</b> (For modifications to standard tools, use part number and specify modified dimensions or contact our technical support staff for assistance with your requirements). For Shank Style refer to page 62.
<b>EXAMPLE</b>	1016A - 5 - W - 3mm - L - GM 1015A - 8 - W - 1/8 - L - G 2015A-10 - W - 3MM - 1.00-G 2016A-12 - W - 1/8-1.00-GM