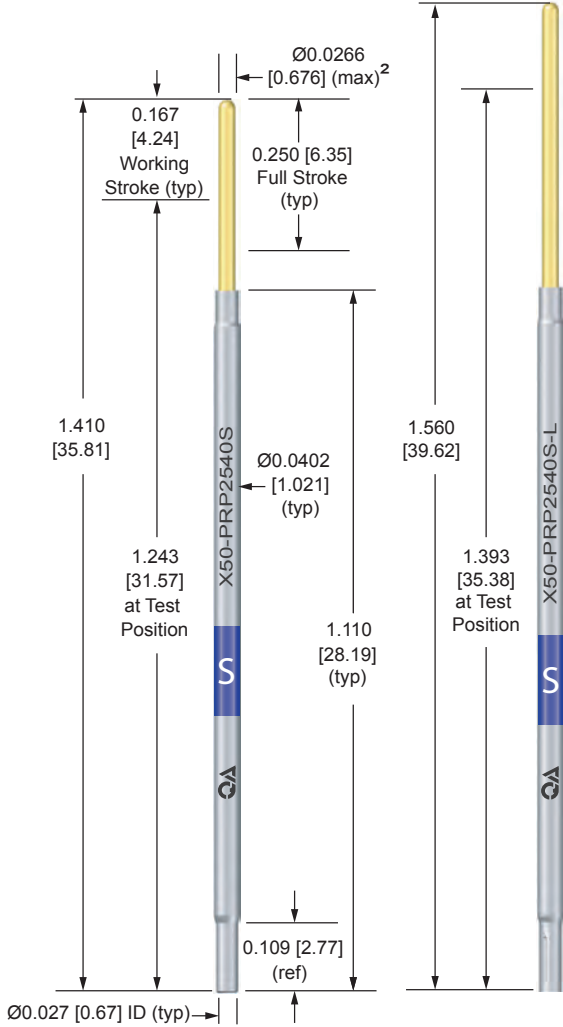




# X50-25 Series

0.050 [1.27] Centers | 0.250 [6.35] Full Stroke

## Long Plunger (-L) Option

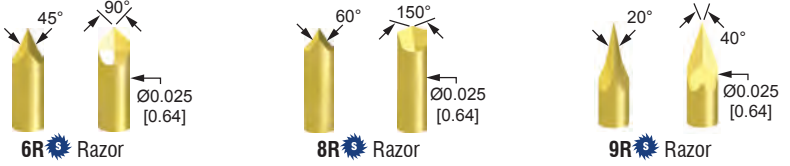


## PROBE P/N X50-PRP25 [Color Code] - example: X50-PRP2584X-S

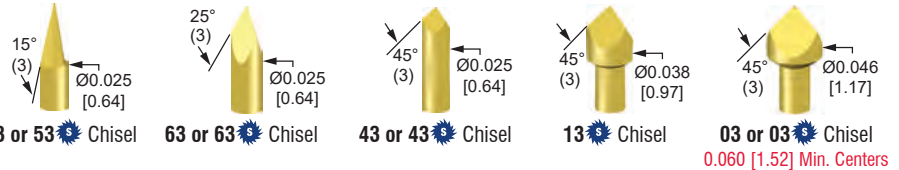
Tube	Letter	Material/Finish	Average Resistance	Current Rating AMPS <sup>1</sup> 120°C (204°C) <sup>3</sup>			
P		Nickel silver/ID precious metal clad	< 35 mOhms	5.6 (7.8) <sup>3</sup>			
Tip Style	Digits	Material/Finish					
See Tips	Standard material is heat treated BeCu/plated gold over nickel. (see S option for steel plungers)						
Spring	Letter	Spring Force	Preload	@ 0.167 [4.24] Stroke	Material	Cycle Life @ 0.167 [4.24] Stroke	
	L	Low	1.5 [43g/0.42N]	3.1 [88g/0.86N]	MW	1,000,000	
	S	Standard	2.7 [77g/0.75N]	5.5 [156g/1.53N]	MW	1,000,000	
	H	High	2.7 [77g/0.75N]	7.0 [198g/1.95N]	SS	1,000,000	
	Y	Elevated	3.1 [88g/0.86N]	8.0 [227g/2.22N]	MW	250,000	
	X	Extra	2.7 [77g/0.75N]	10.1 [286g/2.81N]	MW	100,000	
	High Preload Spring – Only available with headless  steel tip styles.						
	E	High Preload	5.0 [142g/1.39N]	8.0 [227g/2.22N]	SS	300,000	
F	High Preload	6.0 [170g/1.67N]	10.0 [283g/2.78N]	SS	300,000		
Option	Letter	Description					
	L	Long plunger. Must select from X50-40 tip styles					
	N	No probe lubrication. Removing lubrication greatly reduces cycle life and should only be used in applications outside of the working temperature range, see Testing in Extreme Working Temperatures application note for more details. <sup>3</sup>					
	S	Heat treated steel/plated gold over nickel (see tip style for availability)					
	(Blank)	No option required					

<sup>1</sup> Current rating is affected by spring material and lubrication choice. Please refer to Current Carrying Capacity and Testing in Extreme Working Temperature applications notes for more details.  
<sup>2</sup> Maximum plunger OD should be used to calculate minimum guide plate clearance holes.  
<sup>3</sup> Working Temperature Range: -55°C to 120°C with lubrication. SS springs can be used up to 204°C without lubrication.

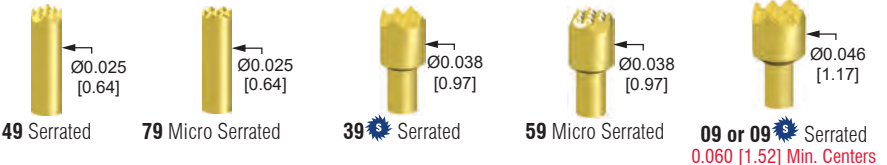
## RAZOR



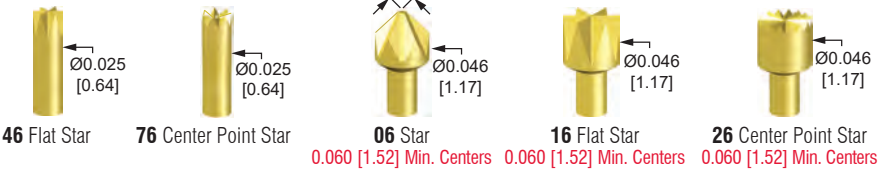
## CHISEL



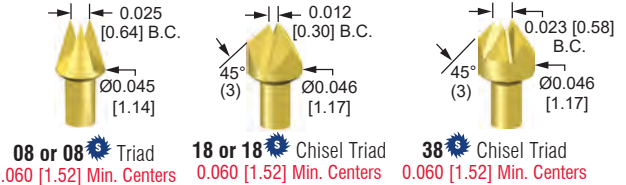
## SERRATED



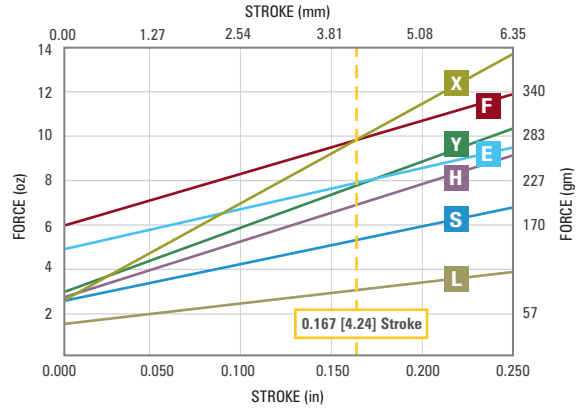
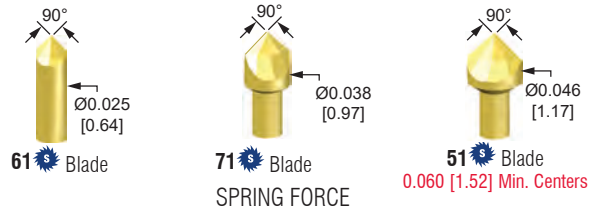
## STAR



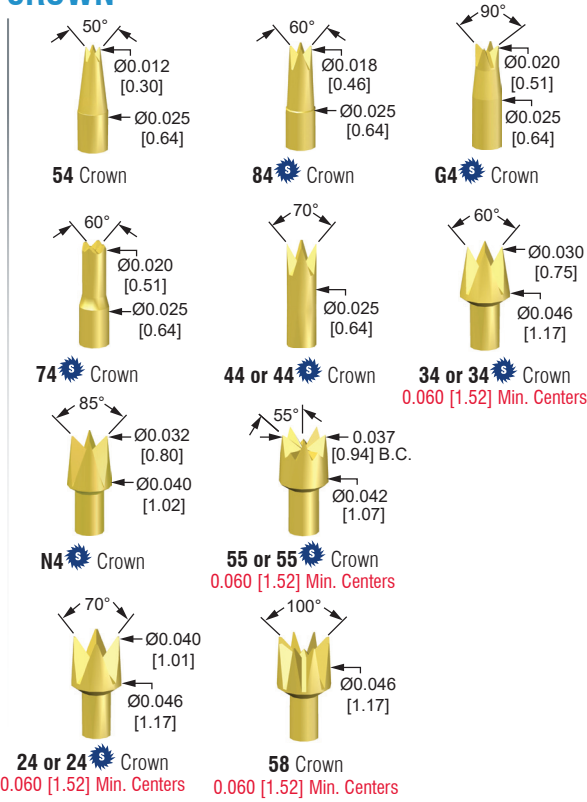
## TRIAD



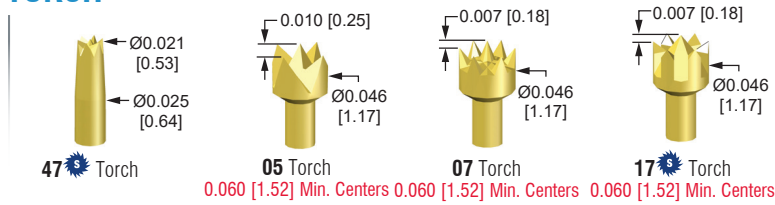
## BLADE



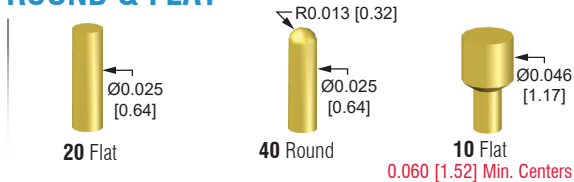
## CROWN



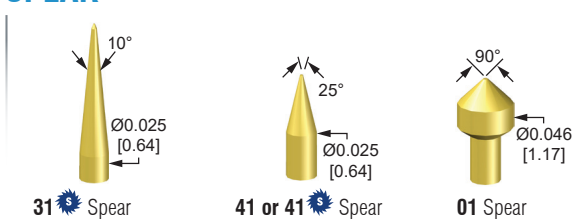
## TORCH



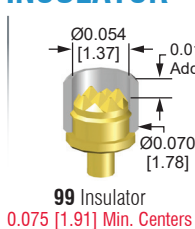
## ROUND & FLAT



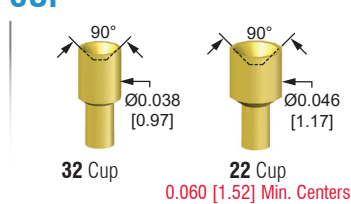
## SPEAR



## INSULATOR



## CUP

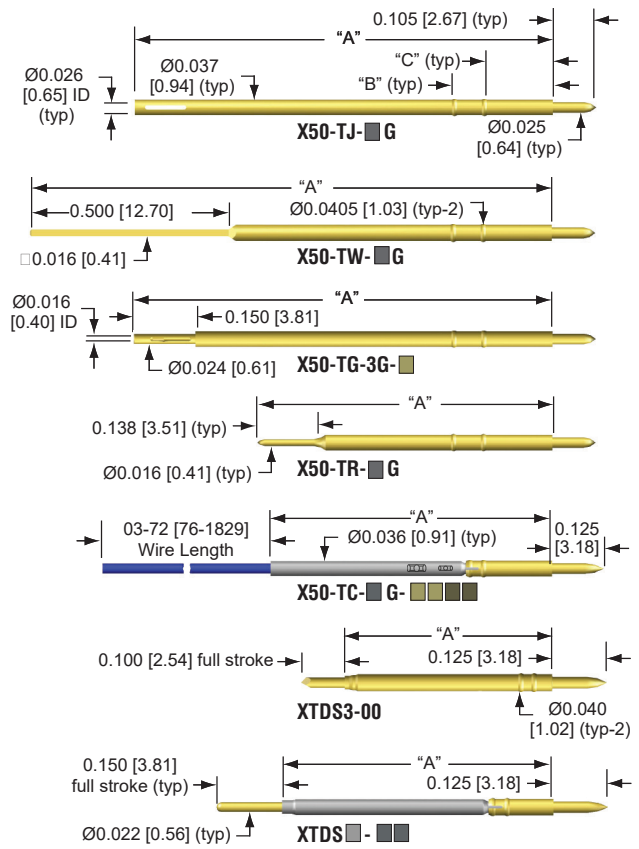


## TOOLS & ACCESSORIES

See pages 75-79 for order information.

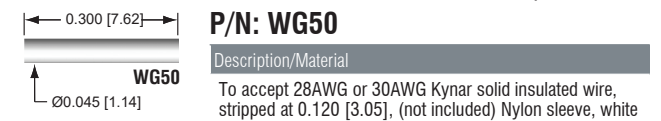
## TERMINATION PIN See page 61 for order information.

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged in probe plate at 0.0415 / 0.0430 [1.054 / 1.092]; Drill Size #57 or 1.1mm and back plate at 0.0380 / 0.0390 [0.965 / 0.990]; Drill Size 1.0mm

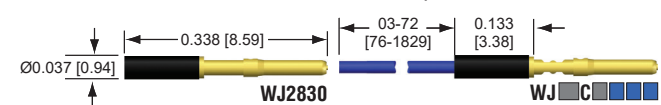


X50-25 Series

## WIRE GRIP SLEEVE For use with G termination pins.



## WIRE JACK For use with J termination pins.



P/N: WJ- example: WJ28C8230

Digit	Description
Size 2830	Wire Jack only (customer to crimp wire) brass/gold plated with nylon insulator.
28C8	28 AWG Kynar insulated solid wire, pre-attached, specify color and length.
30C3	30 AWG Kynar insulated solid wire, pre-attached, specify color and length.
Colors Available for 28C & 30C Termination	
Wire 0	Black
Wire 1	Brown
Wire 2	Red
Wire 3	Orange
Wire 4	Yellow
Wire 5	Green
Wire 6	Blue
Wire 7	Violet
Wire 8	Gray
Wire 9	White
Wire Length Available for 28C & 30C Termination	
Specify Length in inches: 03 - 72 [76-1829]	
Option	Description
S	Stripped Length 0.000/0.669 [0.00/16.99]; Customer to specify in inches

