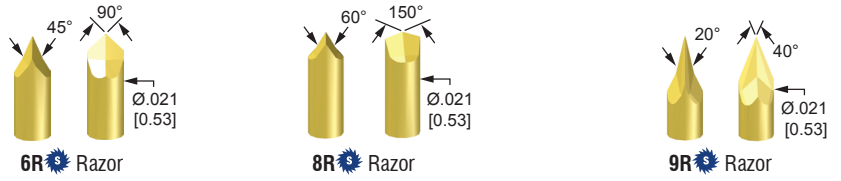
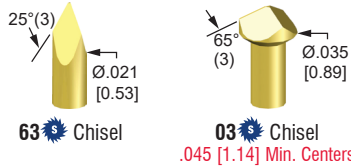


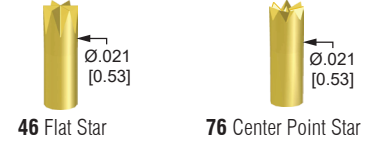
**RAZOR**



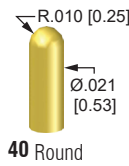
**CHISEL**



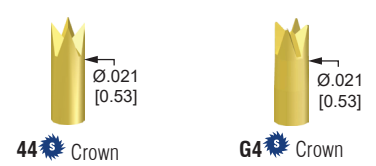
**STAR**



**ROUND**



**CROWN**



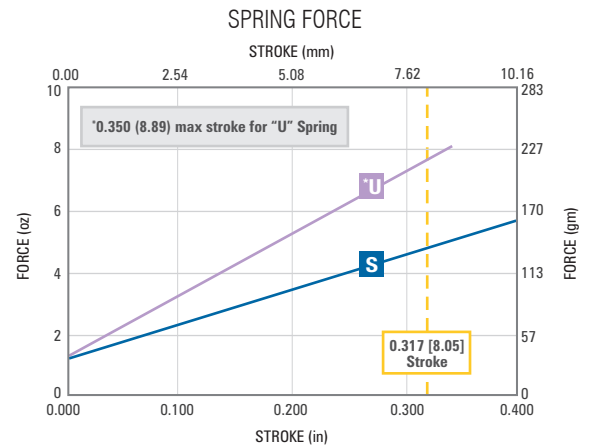
**PROBE P/N X39-PRP40- - example: X39-PRP408RS-S**

Tube	Letter	Material/Finish	Average Resistance	Current Rating <sup>1</sup> SS @ 204°C		
	P	Nickel silver/ID precious metal clad	< 55 mOhms	4.5 Amps		
Tip Style	Digits	Material/Finish				
	See Tips	Standard material is heat treated BeCu/plated gold over nickel (see S option for steel plungers)				
Springs	Letter	Spring Force	Preload @ .317 [8.05] Stroke	Material	Cycle Life @ .317 [8.05] Stroke	
	S	Standard	1.2 [34g/0.33N]	4.8 [136g/1.32N]	SS	100,000
	U <sup>3</sup>	Ultra	1.3 [37g/0.36N]	7.5 [213g/2.09N]	SS	10,000
Option	Letter	Description				
	D	Decreased stroke is .250 [6.35]. Must select from X39-25 series spring with this option				
	N	No probe lubrication. Removing probe lubrication greatly reduces cycle life and should only be used in applications requiring operating temperatures below -55°C.				
	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 choices. Standard lubrication has a 120°C maximum operating temperature limit. Use SS springs with no lubrication (-N) for testing beyond standard lubrication temperature limits up to 204°C. Before using probes near these current limits, please refer to Current Carrying Capacity and Operating Temperature Application Notes.

<sup>2</sup> Maximum plunger OD should be used to calculate minimum guide plate clearance holes.

<sup>3</sup> .350 [8.89] max stroke for U spring.

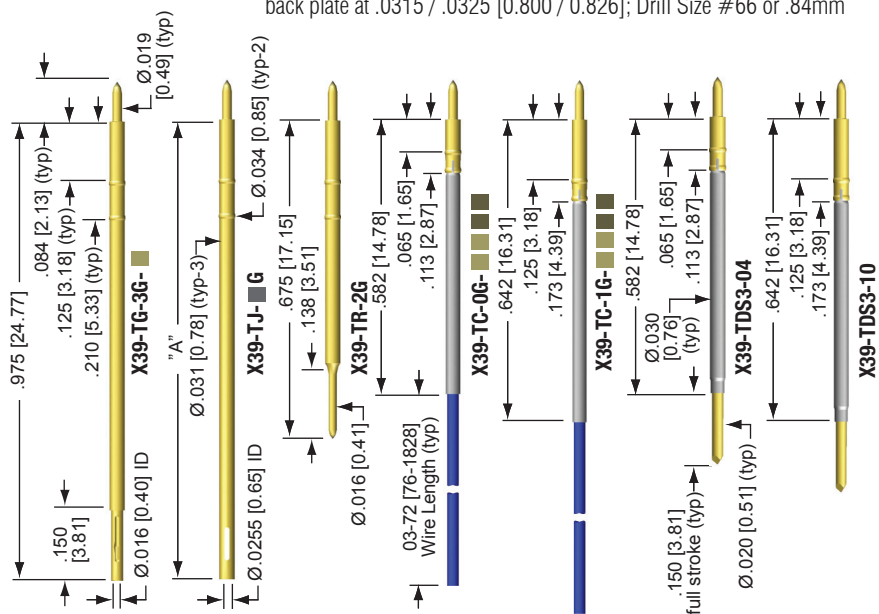


**TOOLS & ACCESSORIES**

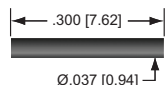
See pages 66-69 for order information.

### TERMINATION PIN

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged in probe plate at .0315 / .0325 [0.800 / 0.826]; Drill Size #66 or .84mm and back plate at .0315 / .0325 [0.800 / 0.826]; Drill Size #66 or .84mm



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

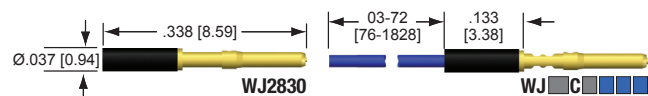


**WG39**

**P/N: WG39**

Description/Material  
To accept 30AWG Kynar solid insulated wire, stripped at .120 [3.05], (not included)  
Nylon sleeve, black

### WIRE JACK For use with J termination pins.



**WJ2830**

**WJ** [Color]

**P/N: WJ** [Color] - [Color] example: WJ28C8230

Digit	Description
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	
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Gray
9	White
Wire Length Available for 28C & 30C Termination	
Specify Length in inches: 03 – 72 [76-1828]	
Option	
Letter	Description
S	Stripped Length 0.000/.669 [0.00/16.99]; Customer to specify in inches

### TERMINATION PIN P/N

**X39-T** [Color] - [Color] - [Color] - [Color] example: X39-TJ-3G

Letter	Material/Finish	
C	Crimped. Termination material: Heat treated BeCu/gold plated over nickel. Tube material: ID precious metal clad.	
DS3	Double-ended for wireless testing. Order by part number above.	
G	Wire Grip. Heat treated BeCu/gold plated over nickel, accepts wire grip sleeve.	
J	Wire Jack. Heat treated BeCu/gold plated over nickel, accepts wire jack.	
R	Round post. Heat treated BeCu/gold plated over nickel.	
Digits	Description	A in (mm)
0	Only available in TC	.582 [14.78]
1	Only available in TC	.642 [16.31]
2	Only available in TR	.675 [17.15]
3	Only available in TJ or TG	.975 [24.77]
4	Only available in TJ	1.100 [27.94]
5	Only available in TJ	1.225 [31.12]
8	Only available in TJ	1.600 [40.64]
Digits	Available for TG Termination Only	
2	X39-TG-3G with WG39 wire grip sleeve	
Digits	Wire Size Available for TC Termination Only	
3	30 AWG Kynar insulated solid wire, pre-attached. Specify color and length	
8	28 AWG Kynar insulated solid wire, pre-attached. Specify color and length	
Wire Colors Available for TC Termination Only		
0	Black	Red
1	Brown	Orange
2	Yellow	Green
3	Blue	Violet
4	Gray	White
Wire Length Available for TC Termination		
Specify Length in inches: 03 – 72 [76-1828]		
(Blank) No option required		

US Patent No. 6,570,399 & 4,865,533

