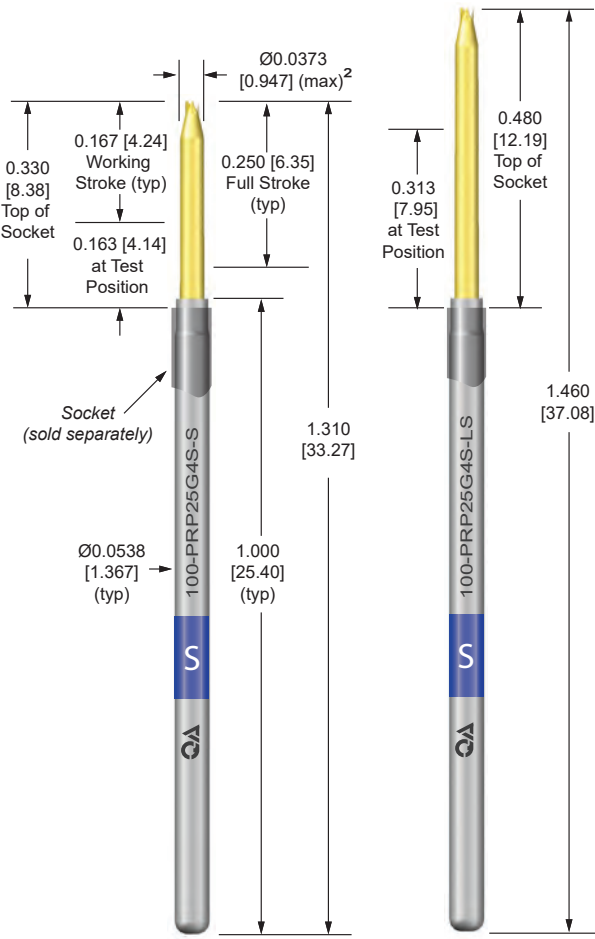




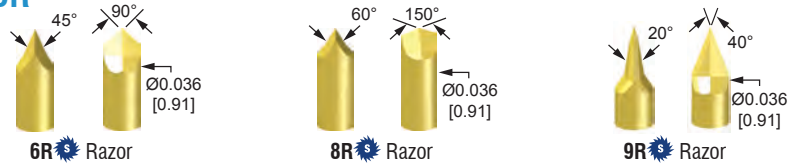
# 100-25 Series

0.100 [2.54] Centers | 0.250 [6.35] Full Stroke

## Long Plunger (-L) Option



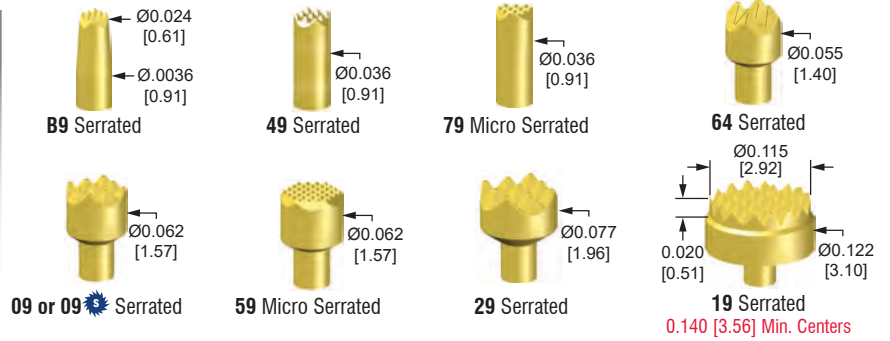
## RAZOR



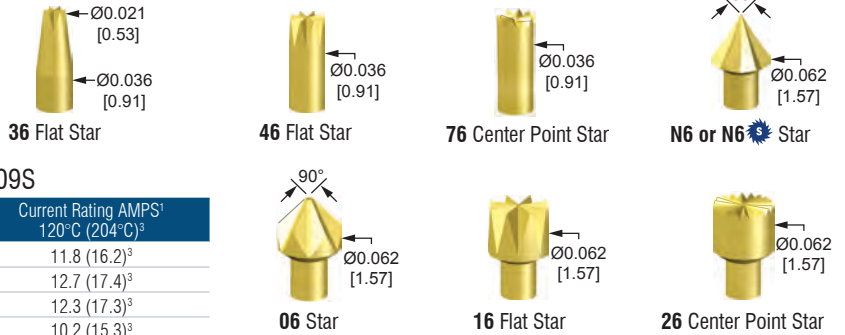
## CHISEL



## SERRATED



## STAR



## PROBE P/N 100-PR-25- example: 100-PRH2509S

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	< 15 mOhms	11.8 (16.2) <sup>3</sup>
V	Nickel silver or phos bronze/OD silver plated	< 20 mOhms	12.7 (17.4) <sup>3</sup>
G	Nickel silver or phos bronze/OD gold plated	< 20 mOhms	12.3 (17.3) <sup>3</sup>
N	Nickel silver/no finish	< 165 mOhms	10.2 (15.3) <sup>3</sup>
H	High conductivity proprietary alloy/gold plated	< 10 mOhms	19.8 (28.3) <sup>3</sup>

Tip Style	Digits	Material/Finish
See Tips		Standard material is heat treated BeCu/gold plated over nickel. (see S option for steel plungers)

Letter	Spring Force	Preload	@ 0.167 [4.24] Stroke	Material	Cycle Life @ 0.167 [4.24] Stroke
L	Low	1.3 [37g/0.36N]	3.5 [99g/0.97N]	SS	1,000,000
S	Standard	1.6 [45g/0.44N]	5.5 [156g/1.53N]	MW	1,000,000
H	High	2.8 [79g/0.78N]	6.5 [184g/1.81N]	SS	1,000,000
Y	Elevated	2.3 [65g/0.64N]	8.1 [230g/2.25N]	MW	1,000,000
X	Extra	3.6 [102g/1.00N]	10.8 [306g/3.00N]	MW	1,000,000
U	Ultra	3.3 [94g/0.92N]	17.1 [485g/4.75N]	MW	100,000

High Preload Spring – Only available with headless steel tip styles and P tube material.

Letter	Spring Force	Preload	@ 0.167 [4.24] Stroke	Material	Cycle Life @ 0.167 [4.24] Stroke
E	High Preload	6.0 [170g/1.67N]	8.0 [227g/2.22N]	SS	1,000,000
F	High Preload	7.6 [215g/2.12N]	11.0 [312g/3.06N]	SS	300,000

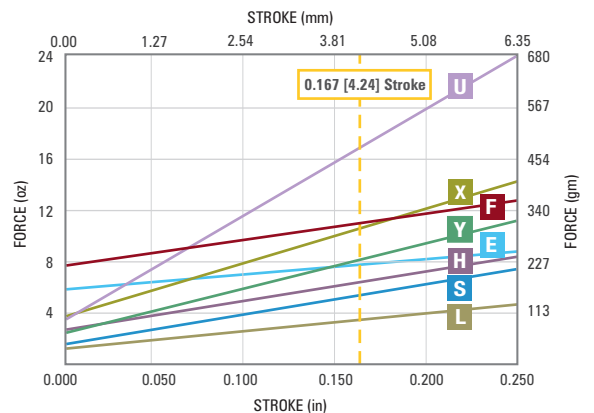
Option	Letter	Description
	B	Curved tube (pylon replacement)
	L	Long plunger. Must select from 100-40 tip styles
	N	No probe lubrication. Removing lubrication greatly reduces cycle life and should only be used in applications outside of the working temperature range, see Testing in Extreme Working Temperatures 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.

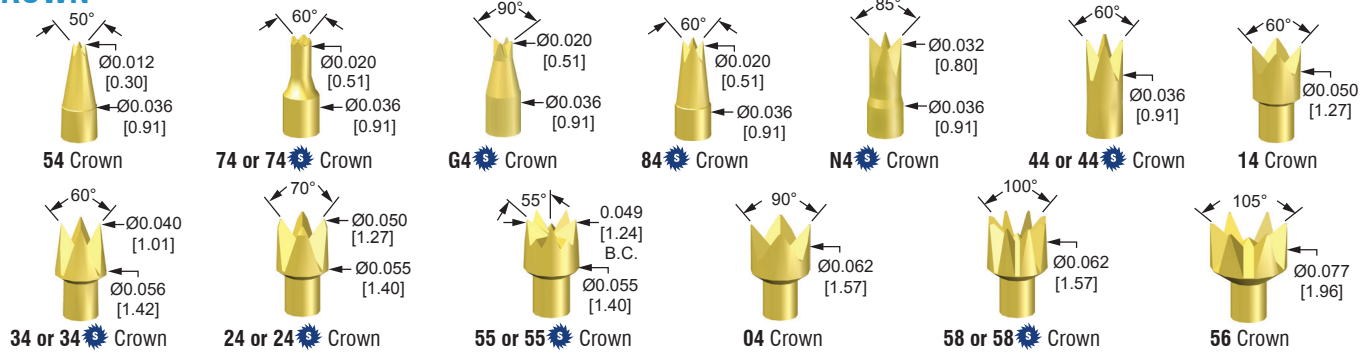
## SPRING FORCE



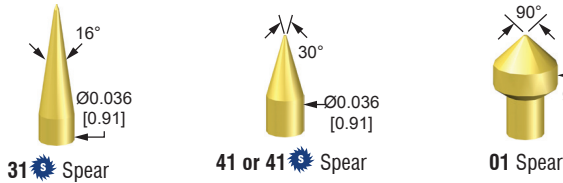
## TOOLS & ACCESSORIES

See pages 75-79 for order information.

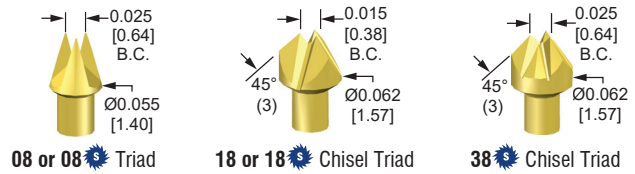
## CROWN



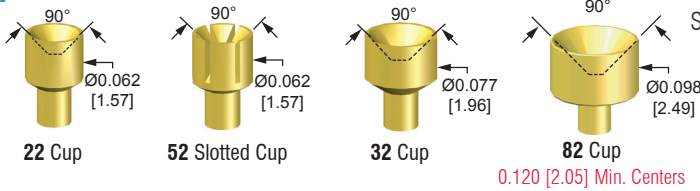
## SPEAR



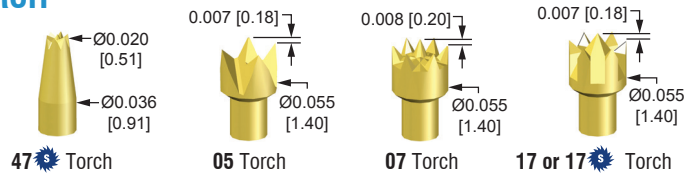
## TRIAD



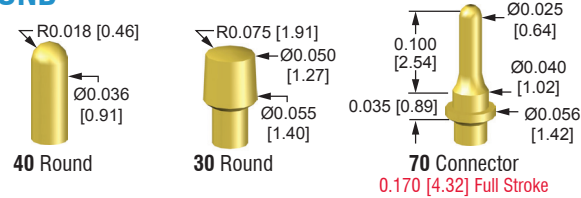
## CUP



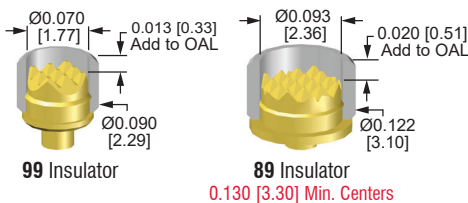
## TORCH



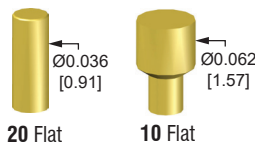
## ROUND



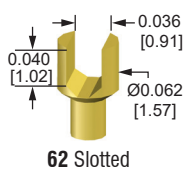
## INSULATOR



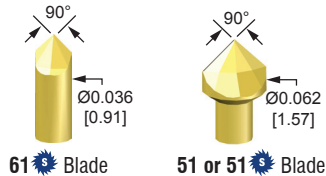
## FLAT



## SLOTTED

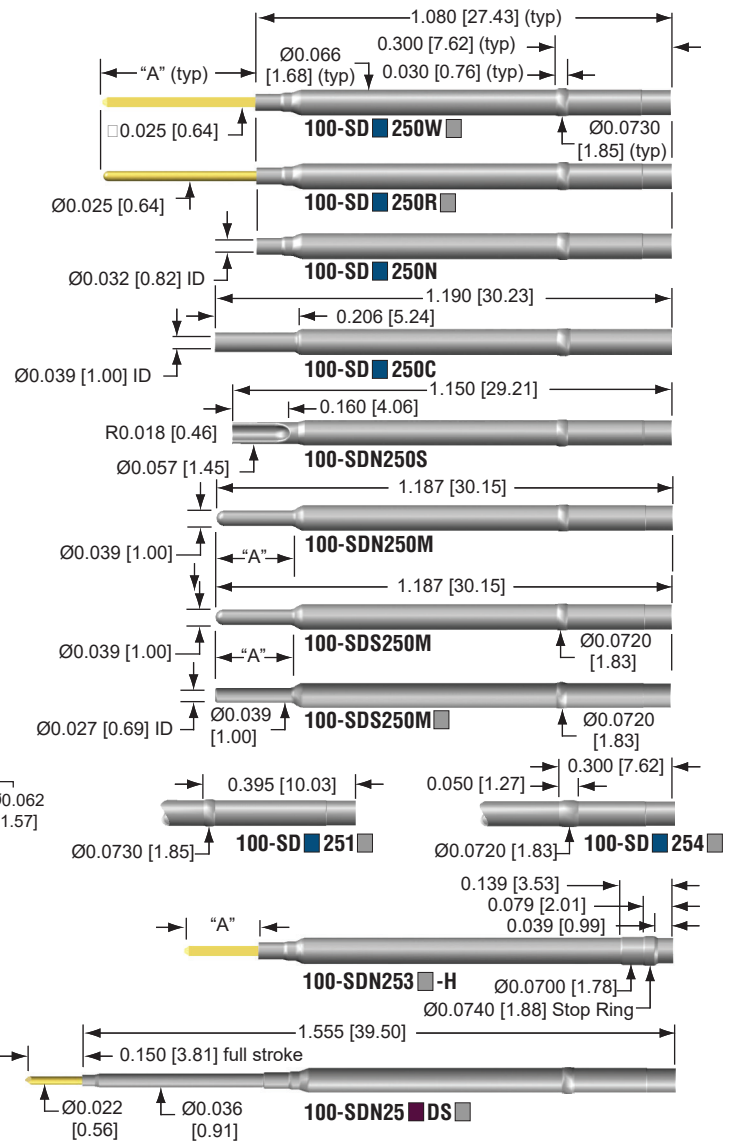


## BLADE



## SOCKETS See page 33 for order information.

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at: 0.0670 / 0.0690 [1.702 / 1.753]; Drill Size 1.75mm



100-25 Series