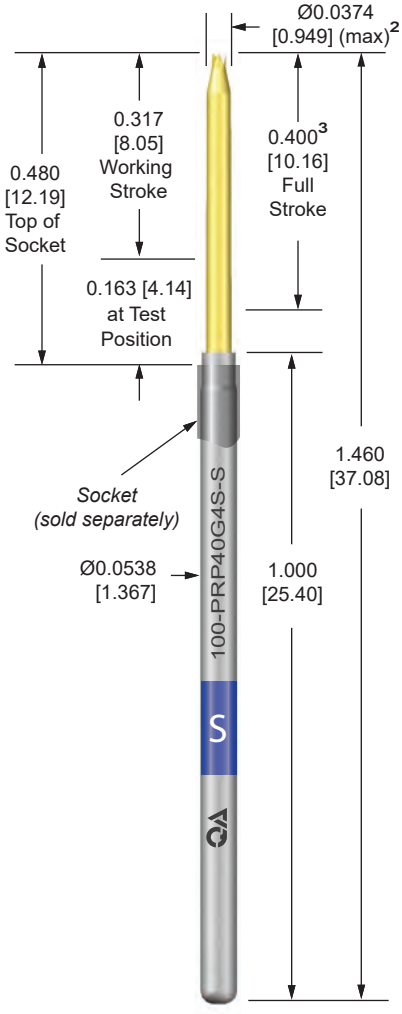
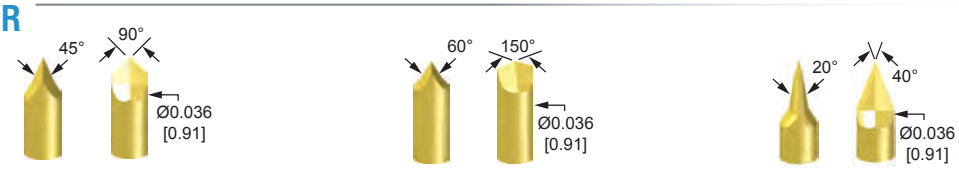
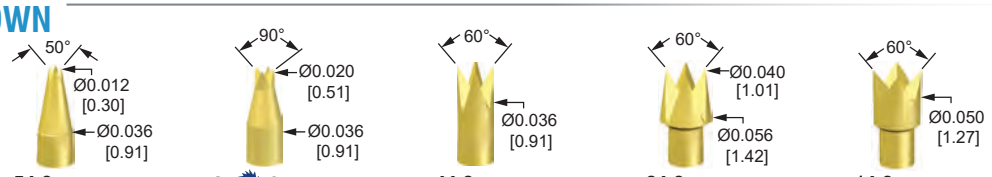


RAZOR

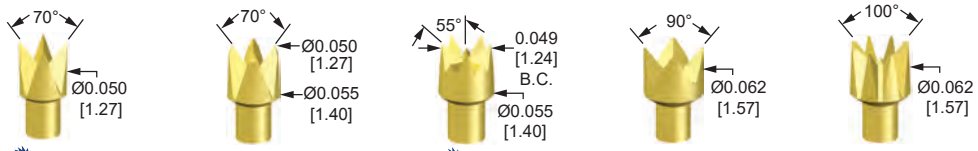


6R $ Razor | **8R** $ Razor | **9R** $ Razor

CROWN



54 Crown | **G4** $ Crown | **44** Crown | **34** Crown | **14** Crown



94 $ Crown | **24** Crown | **55** $ Crown | **04** Crown | **58** Crown

SERRATED

49 Serrated | **79** Micro Serrated | **09** Serrated | **19** Serrated

0.150 [3.81] Min. Centers

STAR

46 Flat Star | **76** Center Point Star | **06** Star

PROBE P/N 100-PR■40■■■-■ example: 100-PRP4003L

	Letter	Material/Finish	Average Resistance	Current Rating AMPS[1] 120°C (204°C)[4]
Tube	P	Nickel silver/ID precious metal clad	< 20 mOhms	10.2 (14.3)[4]
	V	Nickel silver or phos bronze/OD silver plated	< 20 mOhms	12.7 (17.5)[4]
	G	Nickel silver or phos bronze/OD gold plated	< 20 mOhms	12.2 (17.5)[4]
	N	Nickel silver/no finish	< 375 mOhms	8.8 (13.2)[4]
	H	High conductivity proprietary alloy/gold plated	< 15 mOhms	15.9 (22.0)[4]

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

	Letter	Spring Force	Preload	@ 0.317 [8.05] Stroke	Material	Cycle Life @ 0.317 [8.05] Stroke
Spring	L	Low	0.8 [23g/0.22N]	3.0 [85g/0.83N]	MW	1,000,000
	S	Standard	1.5 [43g/0.42N]	5.7 [162g/1.58N]	SS	500,000
	H[3]	High	2.0 [57g/0.56N]	7.0 [198g/1.95N]	SS	300,000
	U[3]	Ultra	2.5 [71g/0.70N]	8.1 [230g/2.25N]	MW	10,000

	Letter	Description
Option	B	Curved tube (pylon replacement)
	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.[4]
	S	$ Heat treated steel/plated gold over nickel (see tip style for availability)
	(Blank)	No option required

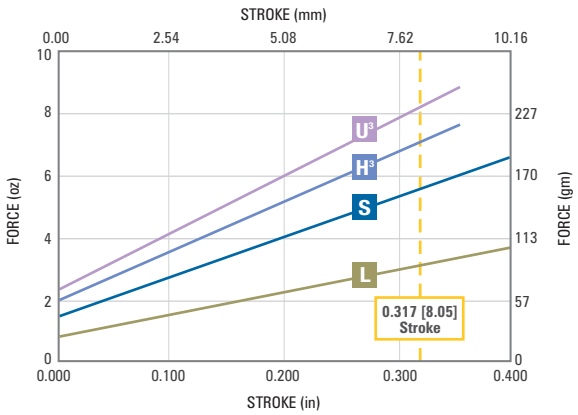
[1] Current rating is affected by spring material and lubrication choice. Please refer to Current Carrying Capacity and Testing in Extreme Working Temperature applications notes for more details.

[2] Maximum plunger OD should be used to calculate minimum guide plate clearance holes.

[3] 0.350 [8.89] max stroke for H & U spring.

[4] Working Temperature Range: -55°C to 120°C with lubrication. SS springs can be used up to 204°C without lubrication.

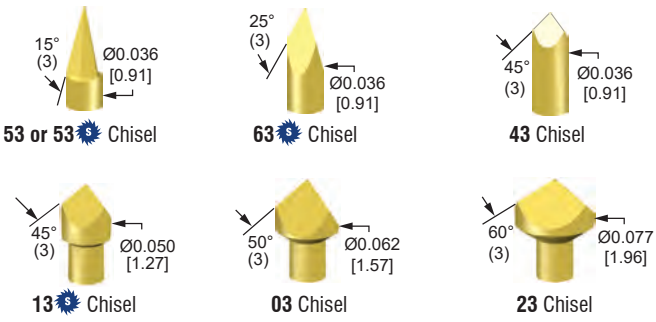
SPRING FORCE



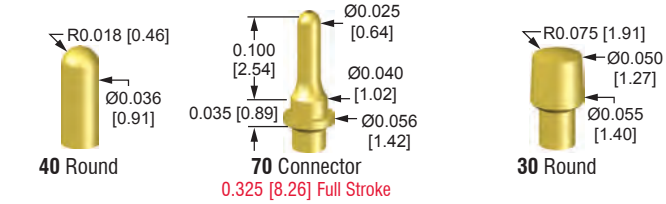
TOOLS & ACCESSORIES

See pages 75-79 for order information.

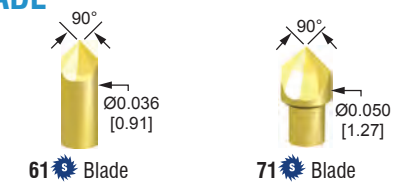
CHISEL



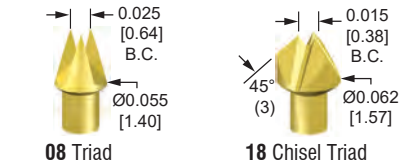
ROUND



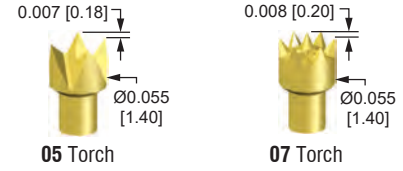
BLADE



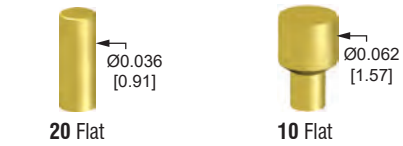
TRIAD



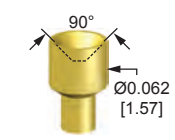
TORCH



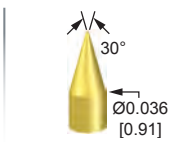
FLAT



CUP

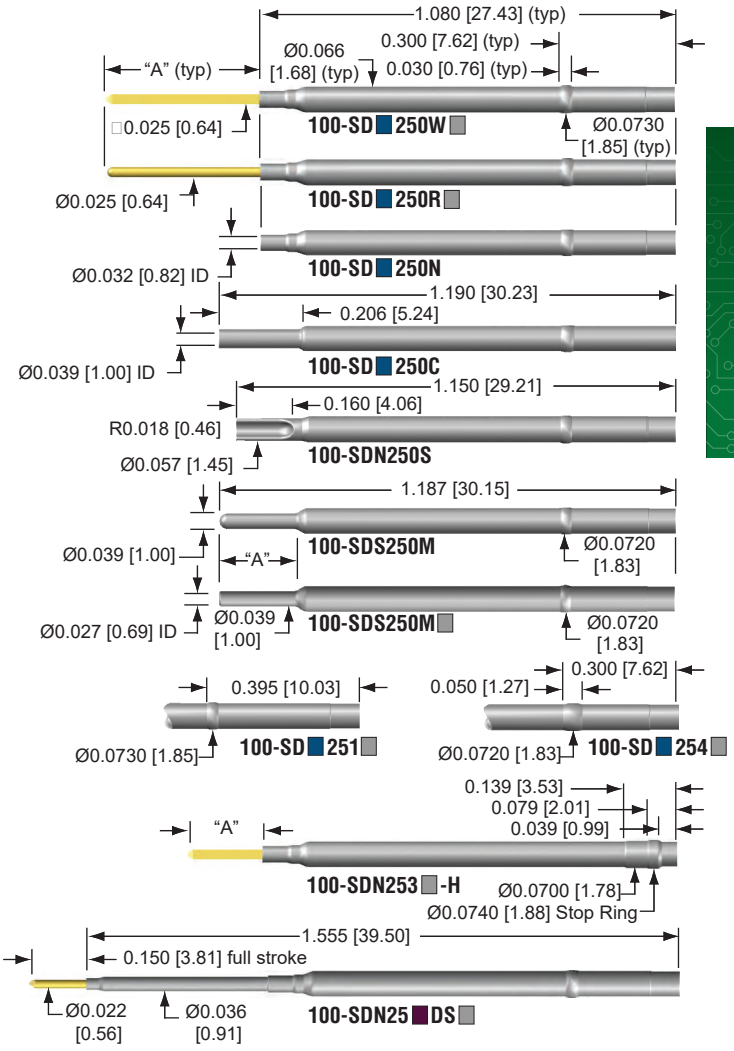


SPEAR



SOCKETS

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



SOCKET P/N 100-SD 25 - example: 100-SDN250W

	Letter	Material/Finish
Tube	G	Nickel silver/OD gold plated ⑦⑨
	H	High conductivity copper alloy/gold plated ④⑤⑦
	N	Nickel silver/no finish
	S	Stainless steel/no finish ①④⑦

	Digit	Description
Press Ring	0	Single press ring located at 0.300 [7.62]
	1	Single press ring located at 0.395 [10.03] ⑤⑦⑧⑩
	3	Single press ring located at 0.139 [3.53] ⑤⑪
	4	Single extra long press ring located at 0.300 [7.62] ⑤⑦⑧⑩

	Letter	Description	A in (mm)
Termination	C	Crimp ②④⑦⑧	
	DS	Double-ended for wireless testing. See page 43 for ordering details.	
	M	Male round tube ③④⑦	0.197 [5.00]
	M1	Male round tube ③④⑦	0.315 [8.00]
	M2	Male round tube ③④⑦	0.197 [5.00]
	N	No termination ②⑩	
	S	Solder cup ④⑥⑦⑧⑩⑪	
	R*	Round pin	0.410 [10.41]
	R1*	Round pin	0.547 [13.89]
	R3*	Round pin	0.216 [5.49]
	R5*	Round pin	0.947 [24.05]
	W*	Square wire wrap pin	0.429 [10.90]
	W1*	Square wire wrap pin	0.694 [17.63]
	W2*	Square wire wrap pin	1.044 [26.52]
	W3*	Square wire wrap pin	0.164 [4.17]
	W5*	Square wire wrap pin	0.500 [12.70]

	Letter	Description
Options	H	High force probe indent ④⑤⑥⑧⑪
	(Blank)	No option required

NOTES:
① Available only in M Termination
② Available only in N & G Tube Material
③ Available only in S Tube Material
④ Not available in 1 or 4 Press Ring
⑤ Not available in C, M or S Termination
⑥ Not available in G Tube Material
⑦ Not available in H Option
⑧ Not available in H Tube Material
⑨ Not available in M or S Termination
⑩ Not available in S Tube Material
⑪ Available only in N Material

* Pin material: Phosphor bronze/ gold plated over nickel

US Patent No. 4,885,533