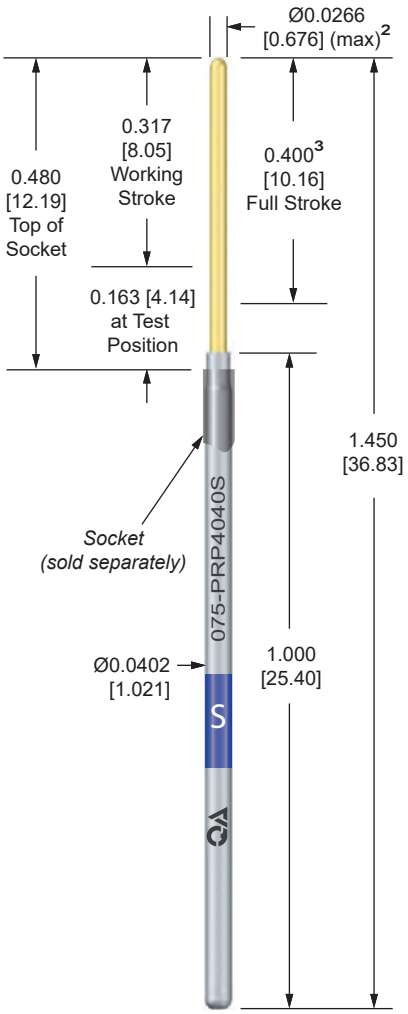
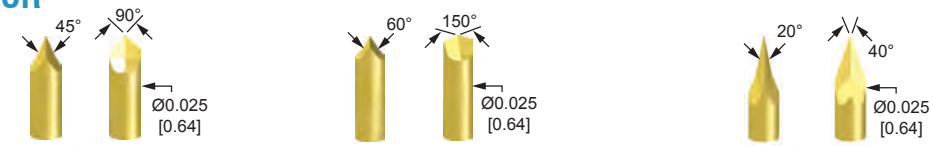
075-40 Series

0.075 [1.91] Centers | 0.400 [10.16] Full Stroke

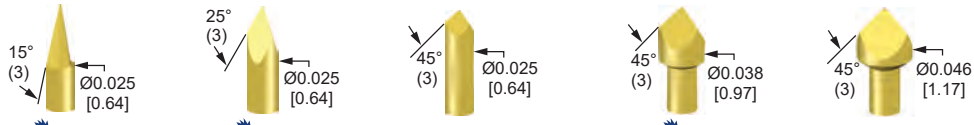


RAZOR



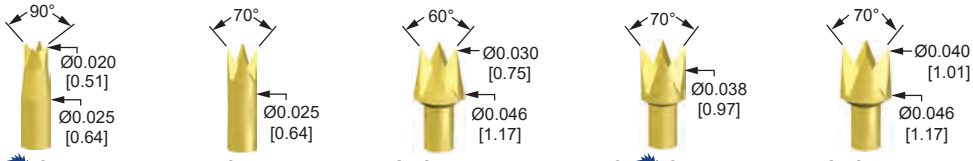
6R $ Razor | **8R** $ Razor | **9R** $ Razor

CHISEL



53 $ Chisel | **63** $ Chisel | **43** Chisel | **13** $ Chisel | **03** Chisel

CROWN



G4 $ Crown | **44** Crown | **34** Crown | **94** $ Crown | **24** Crown

STAR

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

SPEAR

41 Spear

PROBE P/N 075-PR■40■■■-■ example: 075-PRP4003S

	Letter	Material/Finish	Average Resistance	Current Rating AMPS[1] 120°C (204°C)[4]
Tube	P	Nickel silver/ID precious metal clad	< 20 mOhms	7.3 (10.0)[4]
	G	Nickel silver/OD gold plated	< 25 mOhms	7.2 (9.0)[4]
	N	Nickel silver/no finish	< 210 mOhms	6.1 (9.1)[4]

	Digits	Material/Finish
Tip Style	See Tips	Standard material is heat treated BeCu/plated gold 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	S	Standard	1.2 [34g/0.33N]	4.3 [122g/1.20N]	SS	500,000
	H[3]	High	1.7 [48g/0.47N]	7.0 [198g/1.95N]	SS	300,000
	U[3]	Ultra	1.3 [37g/0.36N]	9.3 [264g/2.59N]	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

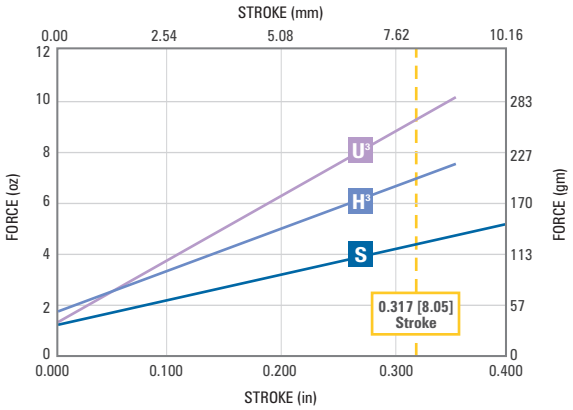
[1] Current rating is affected by spring material and lubrication choice. Please refer to Current Carrying Capacity and Testing in Extreme Working Temperature applications notes for more details.

[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

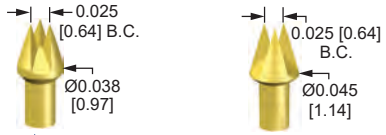
See pages 75-79 for order information.

SERRATED

79 Micro Serrated

09 Serrated

TRIAD



28 Triad

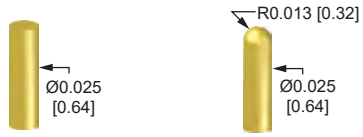
08 Triad

BLADE

61 Blade

71 Blade

FLAT & ROUND

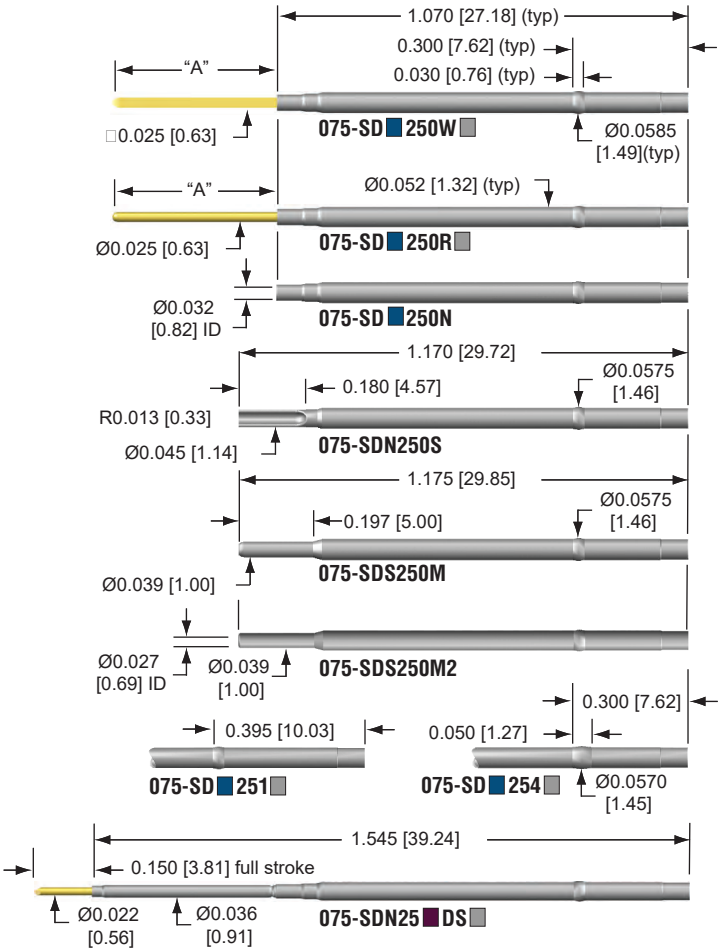


20 Flat

40 Round

SOCKETS

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at: 0.0530 / 0.0550 [1.346 / 1.397]; Drill Size #54 or 1.4mm



SOCKET P/N 075-SD■25■■ example: 075-SDG250W

	Letter	Material/Finish
Tube	G	Nickel silver/OD gold plated ④
	N	Nickel silver/no finish
	S	Stainless steel/no finish ①⑥

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

	Letter	Description	A in (mm)
Termination	DS	Double-ended for wireless testing. See page 43 for ordering details.	
	M	Male round tube ①⑤	
	M2	Male round tube ①⑤	
	N	No termination	
	S	Solder cup ①②③	
	R*	Round pin ③	0.410 [10.41]
	R1*	Round pin ③	0.547 [13.89]
	R3*	Round pin ③	0.216 [5.49]
	R5*	Round pin ③	0.947 [24.05]
	W*	Square wire wrap pin ③	0.429 [10.90]
	W1*	Square wire wrap pin ③	0.694 [17.63]
	W2*	Square wire wrap pin ③	1.044 [26.52]
	W5*	Square wire wrap pin ③	0.500 [12.70]

NOTES:

① Not available in 1 or 4 press ring

② Not available in G tube material

③ Not available in S tube material

④ Not available in M or S termination

⑤ Available only in S tube material and 0 press ring

⑥ Available only in M termination

* Pin material: Phosphor bronze/ gold plated over nickel

US Patent No. 4,885,533