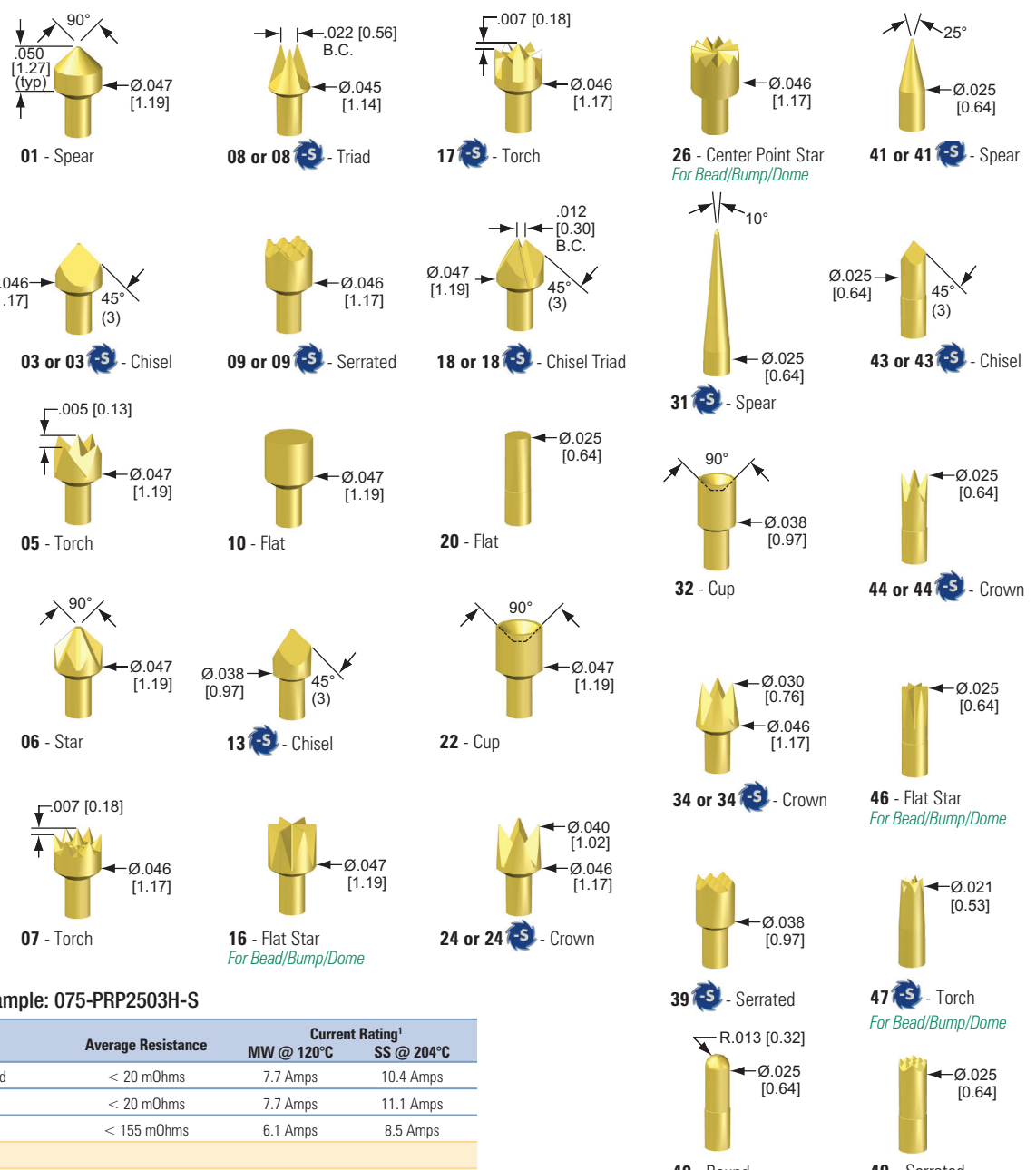
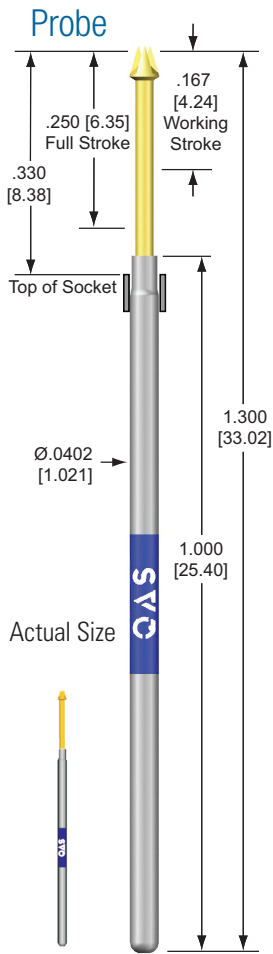


075-25 SERIES | .075 [1.91] Centers | .250 [6.35] Full Stroke



Probe P/N:

075 - PR 25 - example: 075-PRP2503H-S

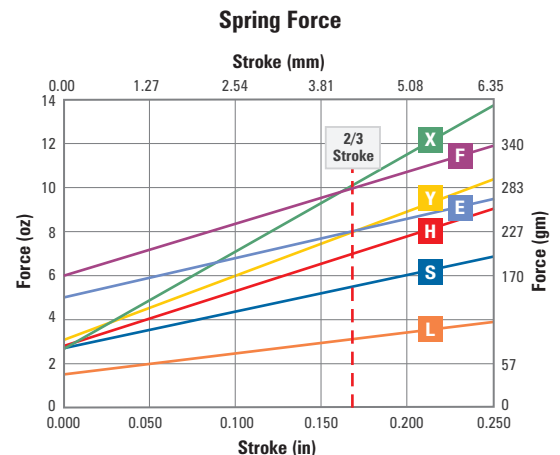
TUBE	Letter	Material/Finish	Average Resistance	Current Rating ¹	
				MW @ 120°C	SS @ 204°C
	P	Nickel silver/ID precious metal clad	< 20 mOhms	7.7 Amps	10.4 Amps
	G	Nickel silver OD gold plated	< 20 mOhms	7.7 Amps	11.1 Amps
	N	Nickel silver/no finish	< 155 mOhms	6.1 Amps	8.5 Amps

TIP STYLE	Digits	Material/Finish

SPRING	Letter	Spring Force	Preload	@ 2/3 Stroke	Material	Cycle Life @ Stroke
	S	Standard	2.7 [77]	5.5 [156]	MW	1M @ .167 [4.24]
	H	High	2.8 [79]	7.0 [198]	MW	1M @ .167 [4.24]
	Y	Elevated	3.1 [88]	8.0 [227]	MW	250K @ .167 [4.24]
	X	Extra	2.7 [77]	10.1 [286]	MW	100K @ .167 [4.24]
High Preload Spring – Only available with 43-S, 44-S, 6R-S, 61-S, 63-S, 8R-S & 9R-S tip styles and P tube material.						
	E	High Preload	5.0 [142]	8.0 [227]	SS	300K @ .167 [4.24]
	F	High Preload	6.0 [170]	10.0 [283]	SS	300K @ .167 [4.24]

OPTION	Letter	Description
	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

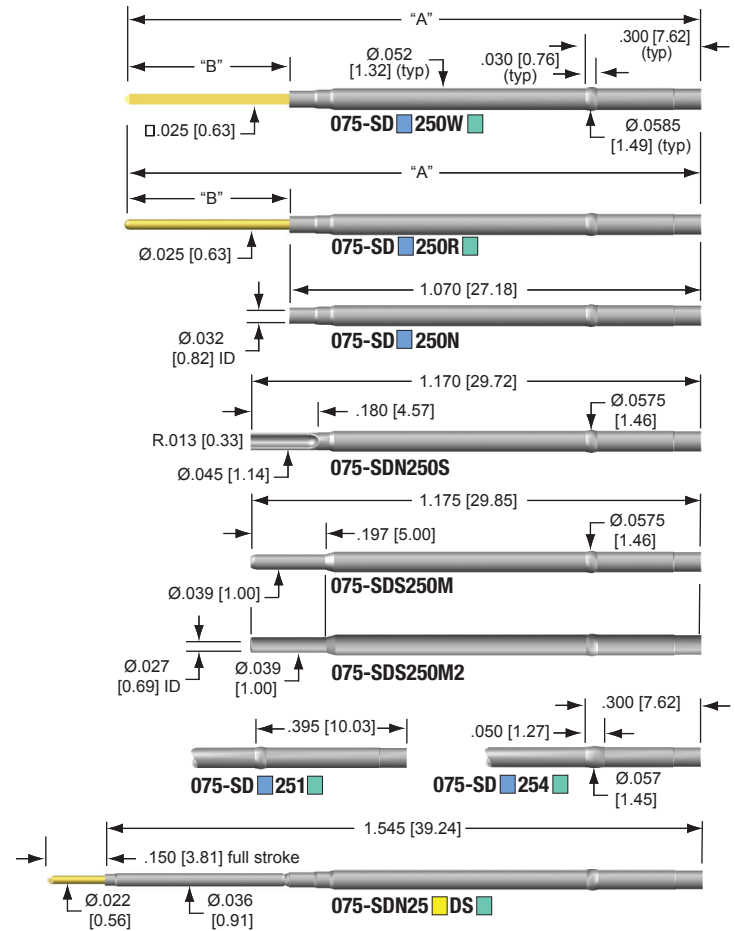
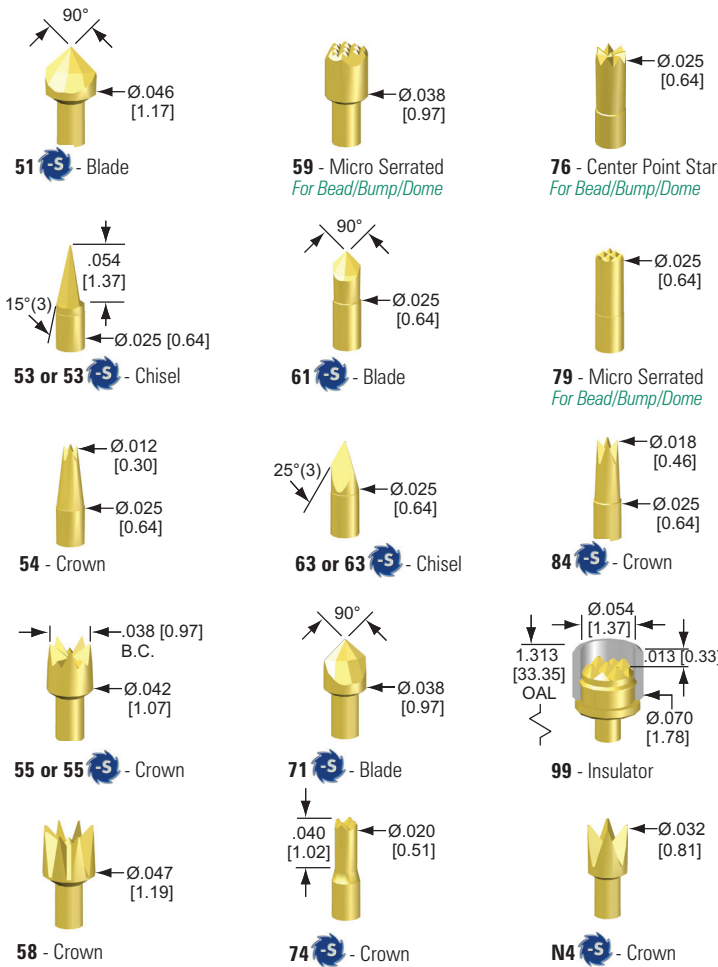
¹ Current Rating is affected by spring material and lubrication choices. Standard lubrication has a 120°C maximum operating temperature limit. Use SS springs with no lubrication (-N) for testing beyond standard lubrication temperature limits up to 204°C. Before using probes near these current limits, please refer to Current Carrying Capacity and Operating Temperature Application Notes.



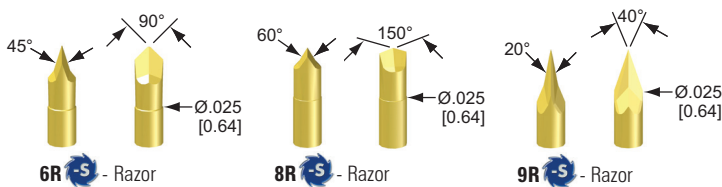
Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at:

Hole Size	Drill Size
.0530 / .0550 [1.346 / 1.397]	1.35mm or #54

Sockets



Razor Sharp Tip Styles (See page 92 for more details)



Socket P/N:

075-SD 25 example: 075-SDG250W

Tools & Accessories (See pages 70-73)

Pin Gauge Tool: PG75

Socket Installation Tool: AT75-KIT or AT75M-KIT

Socket Installation Tool Preset: ITR075-FL or ITR075 SET .001 to .345 [0.03 to 8.75]

Socket Extraction Tool: ETR075-KIT (includes ITR075-FL & ETR075 – sockets must be FLUSH before extraction)

Probe Installation Tool: PT100/75

Probe Extraction Tool: PERX50/075 (not for use with headless tip styles)

Damaged Probe Tube Extraction Tool: TERX50/075

Indicator Probes: IP075-2510 or IP075-2540

Socket Plugs: 075-SPR

Letter	Material/Finish	A in (mm)	B in (mm)
TUBE			
G	Nickel silver/OD gold plated ④		
N	Nickel silver/no finish		
S	Stainless steel/no finish ①⑥		
PRESS RING	Digit	Description	
	0	Single press ring located at .300 [7.62]	
	1	Single press ring located at .395 [10.03] ④	
	4	Single extra long press ring ④	
TERMINATION	Letter	Description	
	DS	Double-ended for wireless testing. See page 45 for ordering details.	
	M	Male round tube ①⑤	
	M2	Male round tube ①⑤	
	N	No termination	
	S	Solder cup ①②③	
	R*	Round pin ③	1.480 [37.59] .410 [10.41]
	R1*	Round pin ③	1.617 [41.07] .547 [13.89]
	R3*	Round pin ③	1.286 [32.66] .216 [5.49]
	R5*	Round pin ③	2.017 [51.23] .947 [24.05]
	W*	Square wire wrap pin ③	1.499 [38.08] .429 [10.90]
	W1*	Square wire wrap pin ③	1.764 [44.81] .694 [17.63]
	W2*	Square wire wrap pin ③	2.114 [53.70] 1.044 [26.52]
	W5*	Square wire wrap pin ③	1.570 [39.88] .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/finish
 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