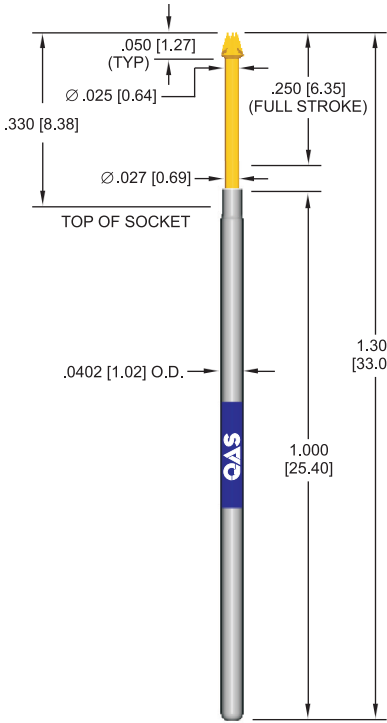


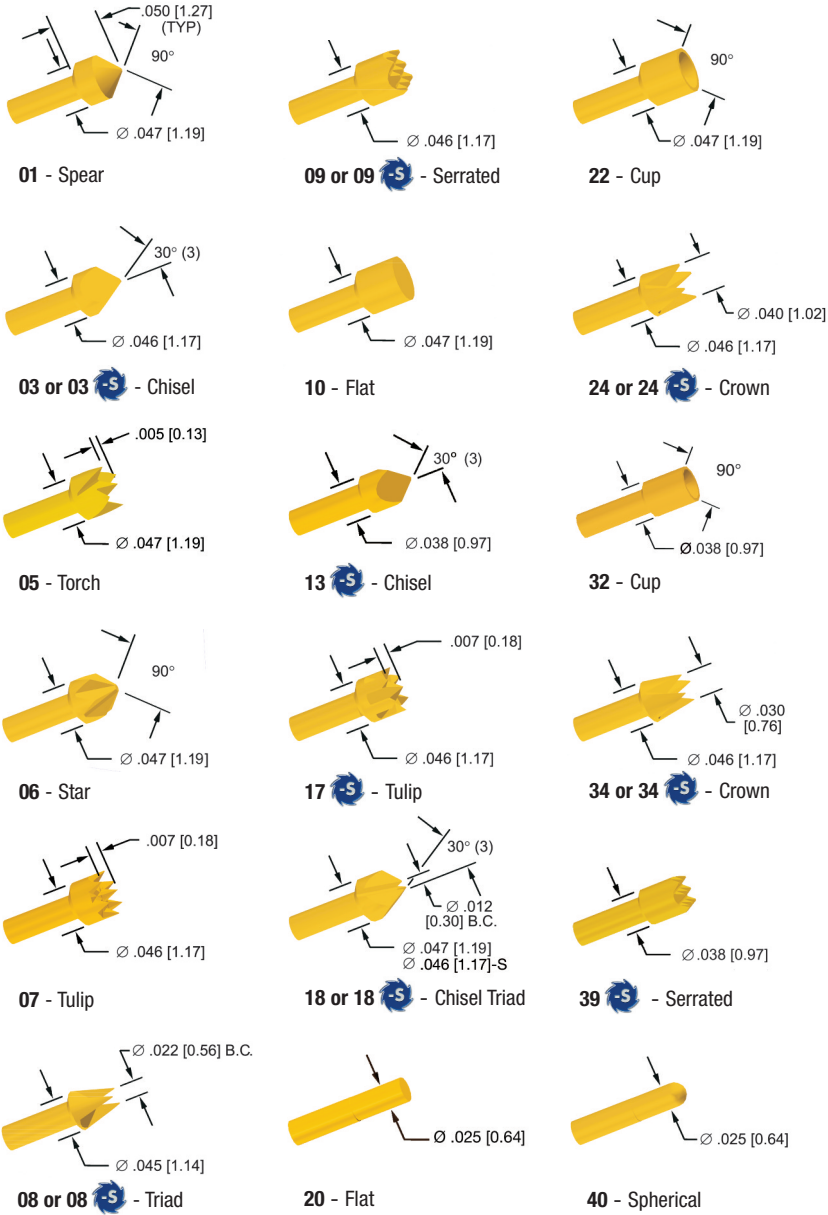
075-25 Series

The 075-25 series probes and sockets are designed for loaded board testing.

Probe

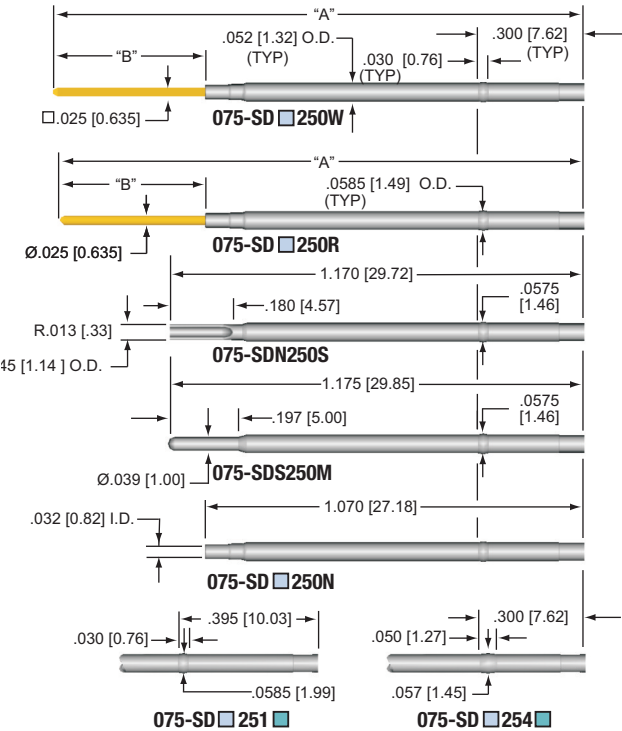


Actual Size



Sockets

Mounting holes in AT7000, G10/FR4 or similar materials should be gauged at .053/.055 [1.35/1.40], suggested drill sizes 1.35mm or #54.



NEW Razor Sharp Tip Styles

See page 69 for more details

PROBE P/N: 075 - PR 25 - example: 075 - PRP2503H - S

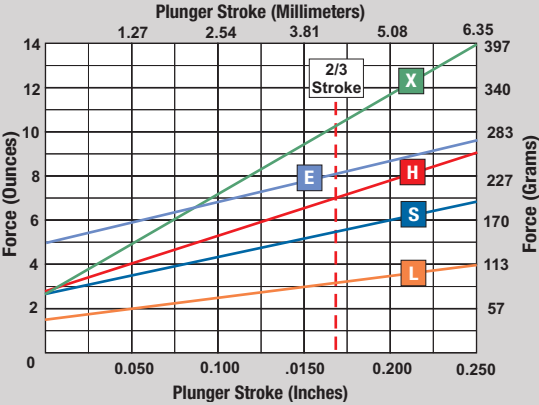
TUBE	Letter	Material/Finish			Average Resistance	
	P	Nickel silver/ID precious metal clad			< 20 milliohms	
	G	Nickel silver OD gold plated			< 20 milliohms	
	N	Nickel silver/no finish			< 155 milliohms	
POINT	Digits	Material/Finish				
	See Points	Standard material is heat-treated BeCu/plated gold over nickel (see S option for steel plunger)				
SPRING	Letter	Spring Force	Preload	@ 2/3 Stroke	Material	Mechanical Life (Cycles @ Stroke)
	L	Low	1.5 [43]	3.1 [88]	Music wire	1M min @ .167 [4.24] max
	S	Standard	2.7 [77]	5.5 [156]	Music wire	1M min @ .167 [4.24] max
	H	High	2.8 [79]	7.0 [198]	Music wire	1M min @ .167 [4.24] max
	X	Extra High	2.7 [77]	10.1 [286]	Music wire	100K min @ .167 [4.24] max
	High Preload Spring – Available in 43-S, 44-S, 61-S, 63-S, & 91-S point styles and PRP tube material only.					
OPTION	E	High Preload	5.0 [142]	8.0 [227]	Stainless Steel	50K min @ .167 [4.24] max
	Letter	Description				
	B	Curved tube (pylon replacement)				
	N	No probe lubrication. Removing probe lubrication greatly reduces cycle life and should only be used in applications outside of the probe operating temperature specifications.				
	S	🔩 Heat-treated steel/plated gold over nickel (see points for availability)				
	(blank)	No option required				

Probe Specifications

Mechanical

Full stroke: .250 [6.35] • Working stroke: up to .167 [4.24]
Operating temp.: -50°F to 250°F [-45°C to 120°C]
Current rating (for single probe in ambient air with 70°F [20°C] rise): 6 Amps

Spring Force



Installation and Extraction Tool Part Numbers (see pages 62 & 63)

Pin Gauge Tool: PG75

Socket Installation Tool: AT75-KIT, AT75M-KIT adjustable tools or preset IT75-FLUSH or IT75 SET .000 to .345 [0.00 to 8.75]

Socket Extraction Tool: ET75-KIT (includes IT75-FLUSH & ET75 – sockets must be FLUSH before extraction)

Probe Insertion Tool: PT100/75

Probe Extraction Tool: PE75 (not for use with headless point styles)

Indicator Probes: IP075-2510 or IP075-2540

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

TUBE	Letter	Material/Finish		Notes:
	G	Nickel silver/OD gold plated ④		
	N	Nickel silver/no finish		
	S	Stainless Steel/no finish ① ⑥		
PRESS RING	Digit	Description		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
	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	A in (mm)	B in (mm)
	M	Male round tube ① ⑤		
	N	No termination		
	S	Solder cup ① ② ③		
	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 ②③	1.764 [44.81]	.694 [17.63]
	W2*	Square wire wrap pin ②③	2.114 [53.70]	1.044 [26.52]
	* Pin material: Phosphor bronze/gold plated over nickel			

