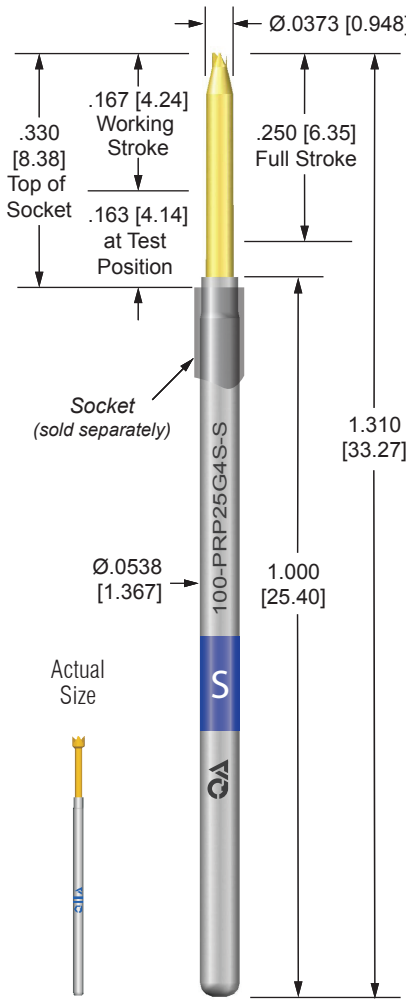
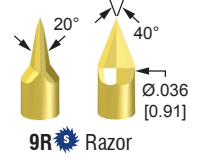
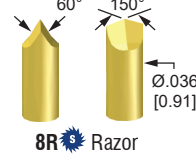
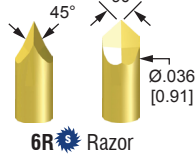


100-25 SERIES

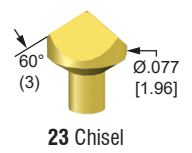
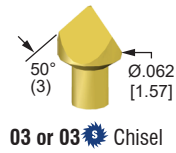
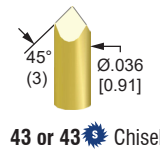
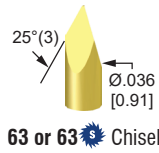
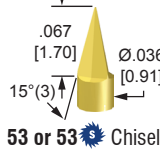
.100 [2.54] Centers | .250 [6.35] Full Stroke



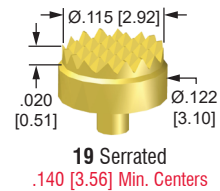
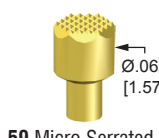
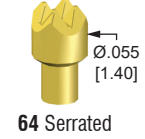
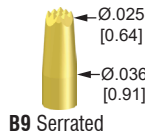
RAZOR



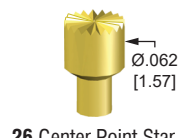
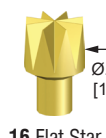
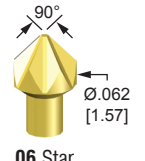
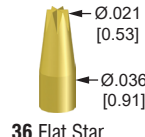
CHISEL



SERRATED



STAR



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

Tube	Letter	Material/Finish	Average Resistance	Current Rating ¹	
				MW @ 120°C	SS @ 204°C
	P	Nickel silver/ID precious metal clad	< 15 mOhms	11.8 Amps	16.2 Amps
	G	Nickel silver/OD gold plated	< 15 mOhms	12.3 Amps	17.3 Amps
	N	Nickel silver/no finish	< 165 mOhms	10.2 Amps	15.3 Amps
	H	High conductivity proprietary alloy/gold plated	< 10 mOhms	19.8 Amps	28.3 Amps

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

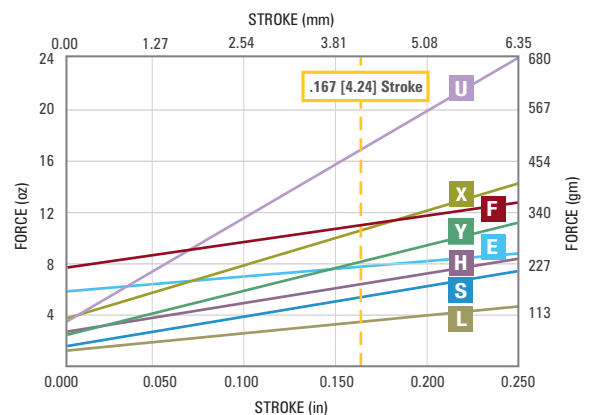
Spring	Letter	Spring Force	Preload	@ .167 [4.24] Stroke	Material	Cycle Life @ .167 [4.24] Stroke
		L	Low	1.3 [37g/0.36N]	3.5 [99g/0.97N]	SS
	S	Standard	1.6 [45g/0.44N]	5.5 [156g/1.53N]	MW	1,000,000
	H	High	2.8 [79g/0.78N]	6.5 [184g/1.81N]	SS	1,000,000
	Y	Elevated	2.3 [65g/0.64N]	8.1 [230g/2.25N]	MW	1,000,000
	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.

	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
	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

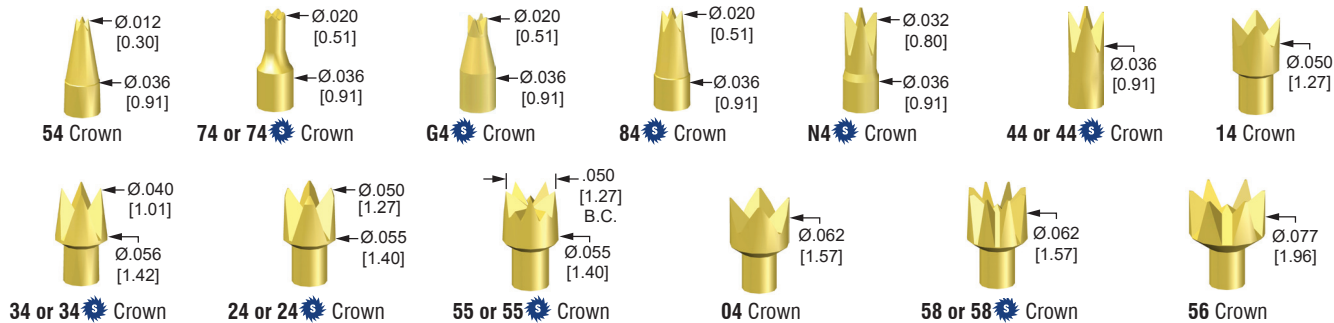
SPRING FORCE



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.

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

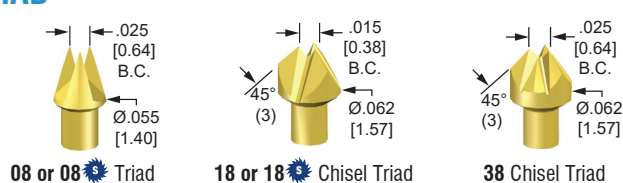
CROWN



SPEAR



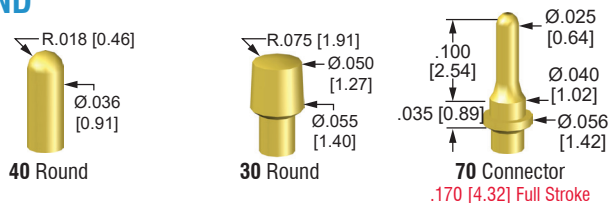
TRIAD



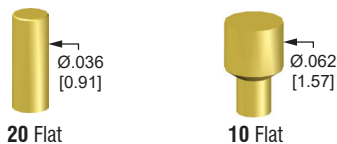
CUP



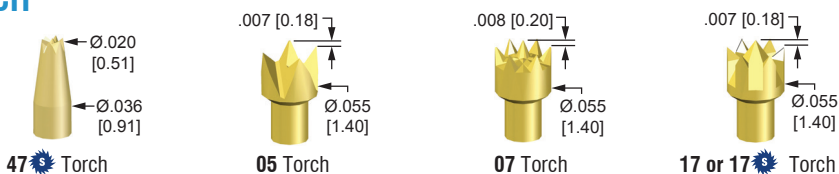
ROUND



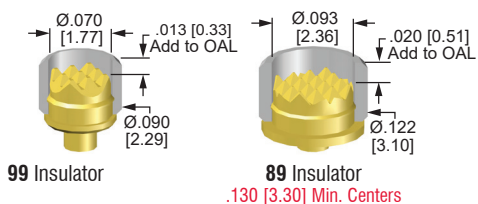
FLAT



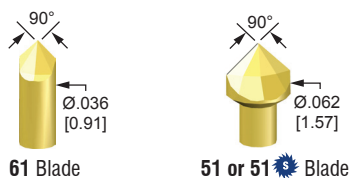
TORCH



INSULATOR

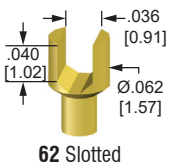


BLADE



SOCKETS See next page

SLOTTED



TOOLS & ACCESSORIES

See pages 66-69 for order information.

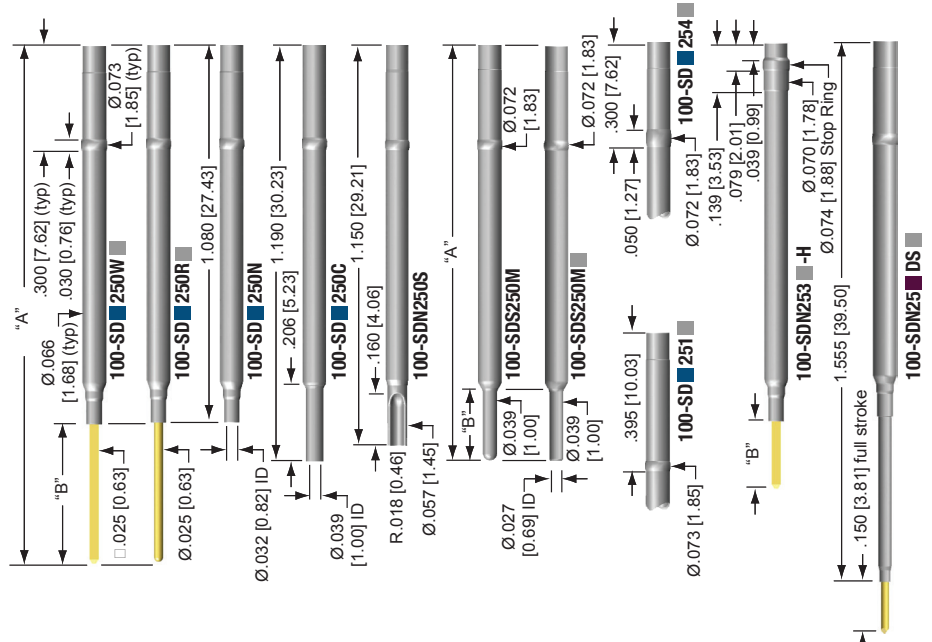


www.gatech.com | QA Technology Company, Inc. |

All specifications subject to change without notice. All dimensions are in [mm]. All spring forces are oz [gm/newtons]. © 2020 QA Technology Company, Inc.

SOCKETS

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at: .0670 / .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 ②③		
	H High conductivity alloy/ID & OD precious metal clad ④⑤⑦		
	N Nickel silver/no finish		
	S Stainless steel/no finish ①④⑦		
Press Ring	Digit Description		
	0 Single press ring located at .300 [7.62]		
	1 Single press ring located at .395 [10.03] ⑤⑦⑧		
	3 Single press ring located at .139 [3.53] ⑤⑩		
	4 Single extra long press ring ⑤⑦⑧		
	Letter Description A in (mm) B in (mm)		
	C Crimp ②④⑦⑧		
	DS Double-ended for wireless testing. See page 34 for ordering details.		
	M Male round tube ③④⑦	1.187 [30.15]	.197 [5.00]
	M1 Male round tube ③④⑦	1.305 [33.15]	.315 [8.00]
	M2 Male round tube ③④⑦	1.187 [30.15]	.197 [5.00]
	N No termination ②		
	S Solder cup ④⑥⑦⑧⑩		
Termination	R [*] Round pin	1.490 [37.85]	.410 [10.41]
	R1 [*] Round pin	1.627 [41.33]	.547 [13.89]
	R3 [*] Round pin	1.296 [32.92]	.216 [5.49]
	R5 [*] Round pin	2.027 [51.49]	.947 [24.05]
	W [*] Square wire wrap pin	1.509 [38.33]	.429 [10.90]
	W1 [*] Square wire wrap pin	1.774 [45.06]	.694 [17.63]
	W2 [*] Square wire wrap pin	2.124 [53.95]	1.044 [26.52]
	W3 [*] Square wire wrap pin	1.244 [31.60]	.164 [4.17]
	W5 [*] Square wire wrap pin	1.580 [40.13]	.500 [12.70]
Options	Letter Description		
	H High force probe indent ④⑤⑥⑩		
	(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
 * Pin material: Phosphor bronze/gold plated over nickel

US Patent No. 4,885,533

