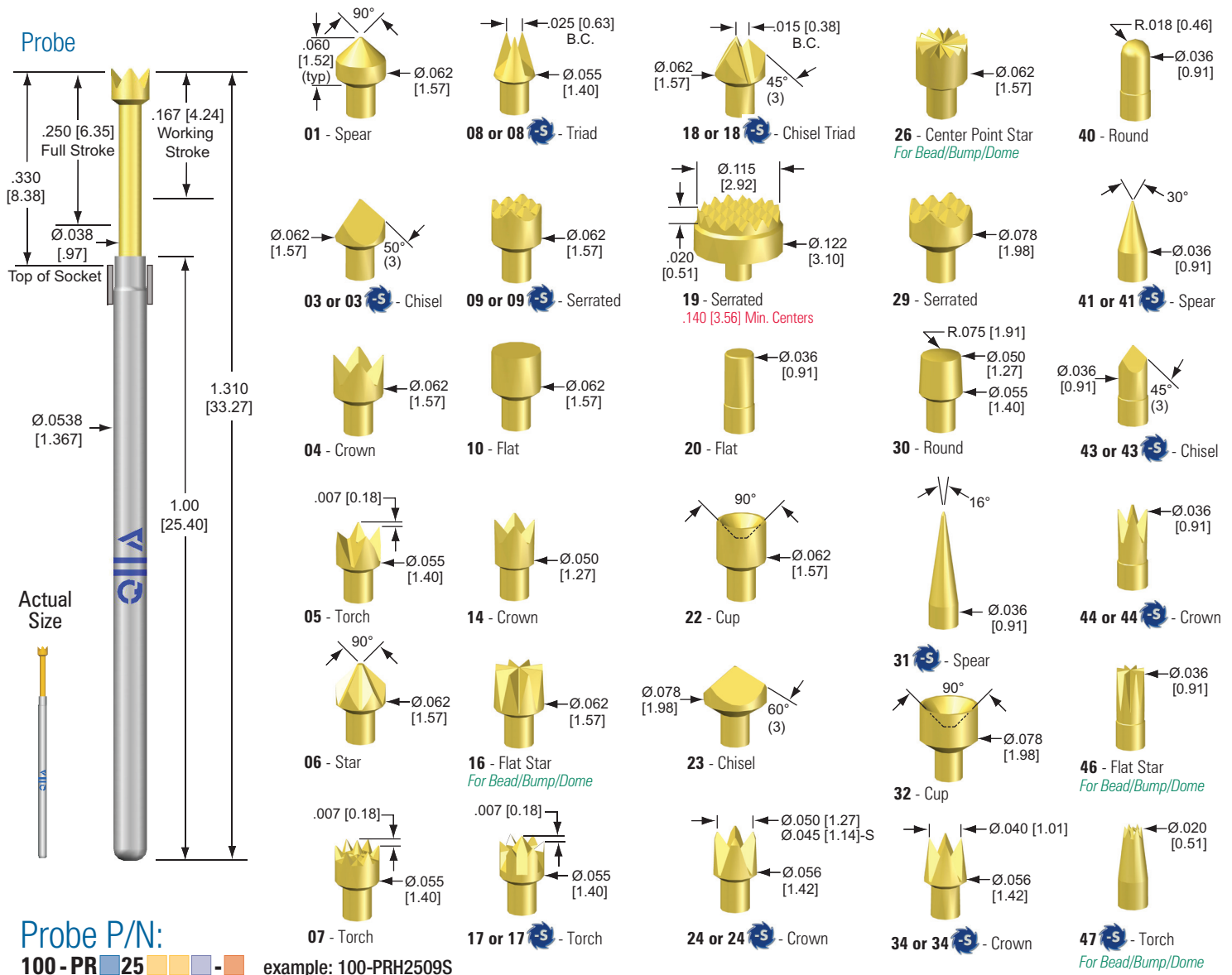


100-25 SERIES | .100 [2.54] Centers | .250 [6.35] Full Stroke



Probe P/N:

100-PR 25 - example: 100-PRH2509S

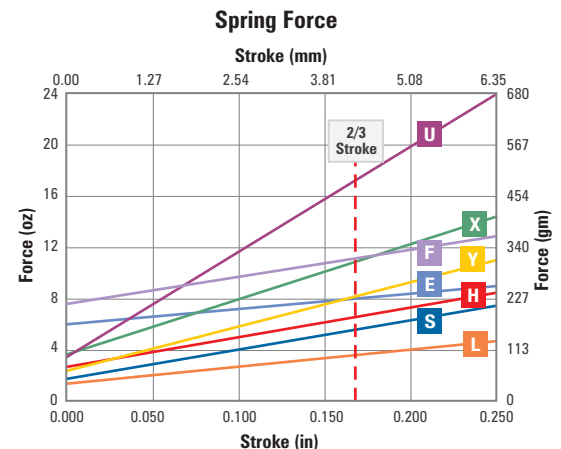
Letter	Material/Finish	Average Resistance	Current Rating ¹	
			MW @ 120°C	SS @ 204°C
TUBE	P Nickel silver/ID precious metal clad	< 15 mOhms	11.8 Amps	16.2 Amps
	G Nickel silver OD gold plated	< 15 mOhms	12.3 Amps	17.3 Amps
	N Nickel silver/no finish	< 165 mOhms	10.2 Amps	15.3 Amps
	H High conductivity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

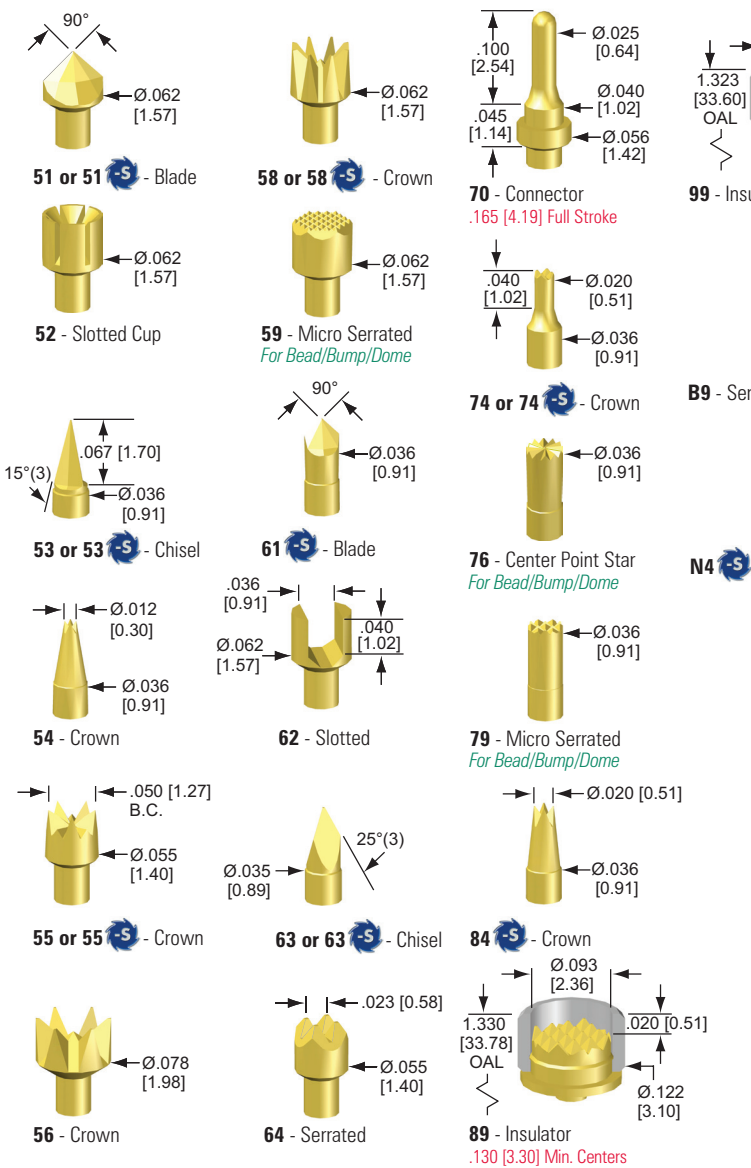
Digits	Material/Finish
See Tips	Standard material is Heat treated BeCu/plated gold over nickel (see S option for steel plungers)

Letter	Spring Force	Preload	@ 2/3 Stroke	Material	Cycle Life @ Stroke
L	Low	1.3 [37]	3.5 [99]	SS	1M @ .167 [4.24]
S	Standard	1.6 [45]	5.5 [156]	MW	1M @ .167 [4.24]
H	High	2.6 [74]	6.5 [184]	MW	1M @ .167 [4.24]
Y	Elevated	2.3 [65]	8.1 [230]	MW	1M @ .167 [4.24]
X	Extra	3.6 [102]	10.8 [306]	MW	1M @ .167 [4.24]
U	Ultra	3.3 [94]	17.1 [485]	MW	100K @ .167 [4.24]
High Preload Spring — Only available with 43-S, 44-S, 61-S, 63-S, 6R-S, 8R-S & 9R-S tip styles and P tube material.					
E	High Preload	6.0 [170]	8.0 [227]	SS	1M @ .167 [4.24]
F	High Preload	7.6 [215]	11.0 [312]	SS	300K @ .167 [4.24]

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 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.

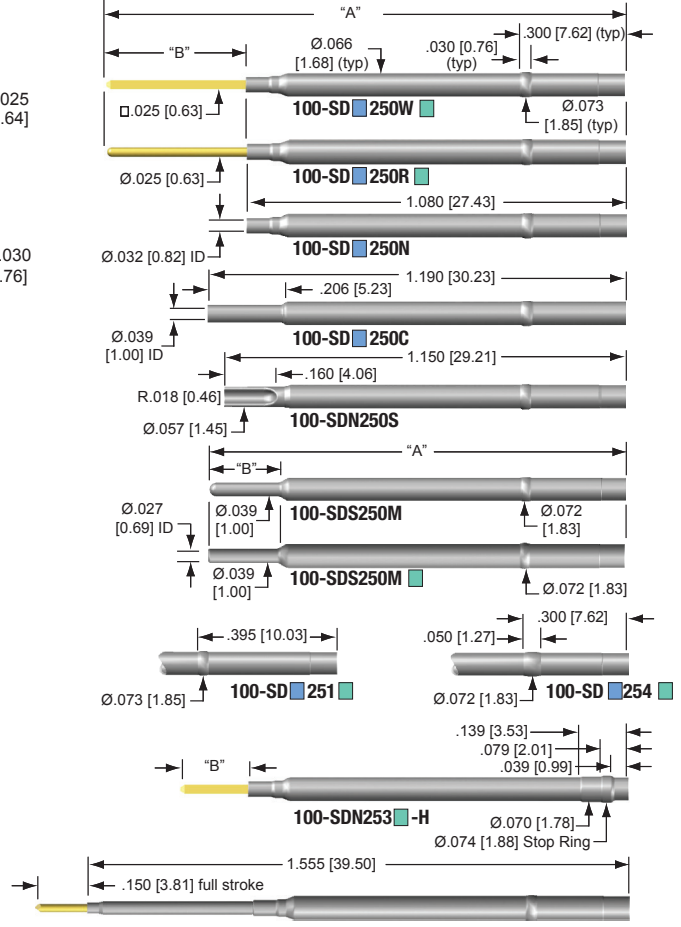




Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at:

Hole Size	Drill Size
.0670 / .0690 [1.702 / 1.753]	#51 or 1.75mm

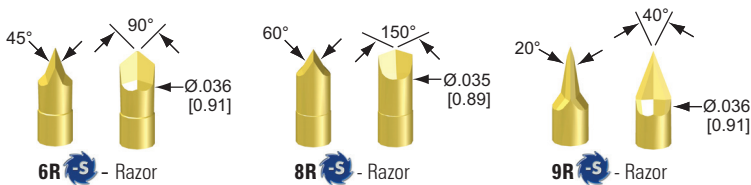
Sockets



Socket P/N:

100-SD 25 example: 100-SDN250W

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



Tools & Accessories (See pages 70-73)

Pin Gauge Tool: PG100

Socket Installation Tool Adjustable: AT100-KIT or AT100M-KIT

Socket Installation Tool Preset: ITR100-FL or ITR100 SET .001 to .345 [0.03 to 8.76]

Socket Extraction Tool: ETR100-KIT (includes ITR100-FL & ETR100 – sockets must be FLUSH before extraction)

Probe Installation Tool: PT100/75

Probe Extraction Tool: PERX75/100 (not for use with headless tip styles)

Damaged Probe Tube Extraction Tool: TERX75/100

Indicator Probes: IP100-2510 or IP100-2540

Socket Plugs: 100-SPR

Letter	Material/Finish	A in (mm)	B in (mm)
TUBE			
G	Nickel silver/OD gold plated ⑦⑧		
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] ⑥⑦⑧		
3	Single press ring located at .139 [3.53] ⑤⑧		
4	Single extra long press ring ⑤⑦⑧		
TERMINATION			
Letter	Description	A in (mm)	B in (mm)
C	Crimp ②④⑦⑧		
DS	Double-ended for wireless testing. See page 45 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	1.174 [45.06]	.197 [5.00]
N	No termination ②		
S	Solder cup ④⑥⑦⑧⑩		
R1*	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]
OPTION			
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
- Ⓞ Available only in N Material

* Pin material: Phosphor bronze/gold plated over nickel

US Patent No. 4,885,533