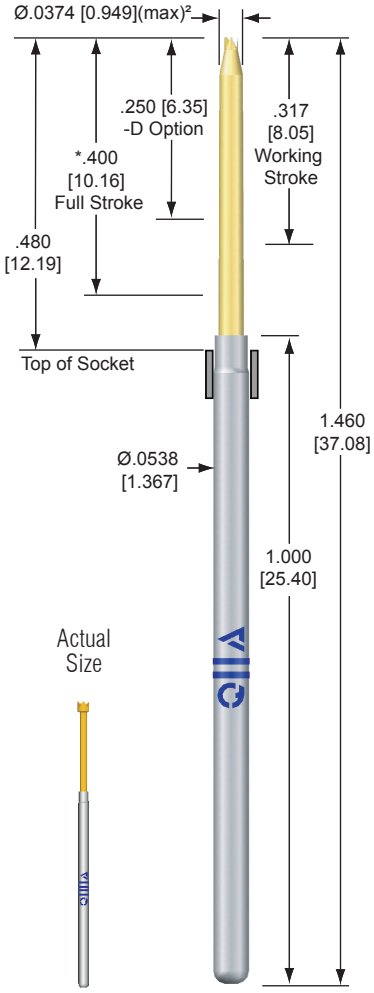
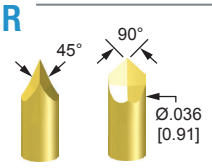
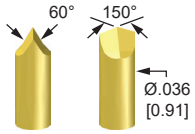
100-40 SERIES .100 [2.54] Centers | .400 [10.16] Full Stroke



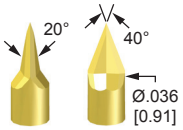
RAZOR



6R $ Razor

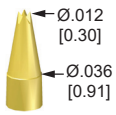


8R $ Razor

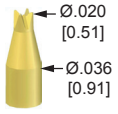


9R $ Razor

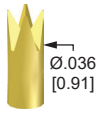
CROWN



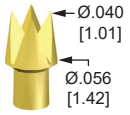
54 Crown



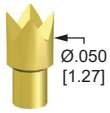
G4 $ Crown



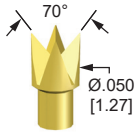
44 Crown



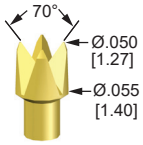
34 Crown



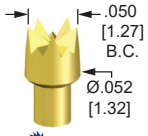
14 Crown



94 $ Crown

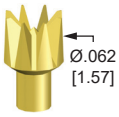


24 Crown



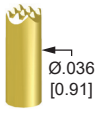
55 $ Crown

04 Crown

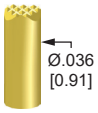


58 Crown

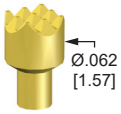
SERRATED



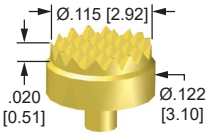
49 Serrated



79 Micro Serrated

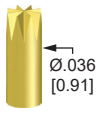


09 Serrated



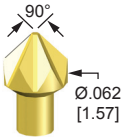
19 Serrated
.150 [3.81] Min. Centers

STAR



46 Flat Star

76 Center Point Star



06 Star

PROBE P/N 100-PR■40■■■-■ example: 100-PRP4003L

	Letter	Material/Finish	Average Resistance	Current Rating[1] MW @ 120°C	SS @ 204°C
Tube	P	Nickel silver/ID precious metal clad	< 20 mOhms	10.2 Amps	14.3 Amps
	G	Nickel silver/OD gold plated	< 20 mOhms	12.2 Amps	17.5 Amps
	N	Nickel silver/no finish	< 375 mOhms	8.8 Amps	13.2 Amps
	H	High conductivity proprietary alloy/gold plated	< 15 mOhms	15.9 Amps	22.0 Amps

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

	Letter	Spring Force	Preload	@ .317 [8.05] Stroke	Material	Cycle Life @ .317 [8.05] Stroke
Spring	L	Low	0.8 [23g/0.22N]	3.0 [85g/0.83N]	MW	1,000,000
	S	Standard	1.5 [43g/0.42N]	5.7 [162g/1.58N]	SS	500,000
	H[3]	High	2.0 [57g/0.56N]	7.0 [198g/1.95N]	SS	300,000
	U[3]	Ultra	2.5 [71g/0.70N]	8.1 [230g/2.25N]	MW	10,000

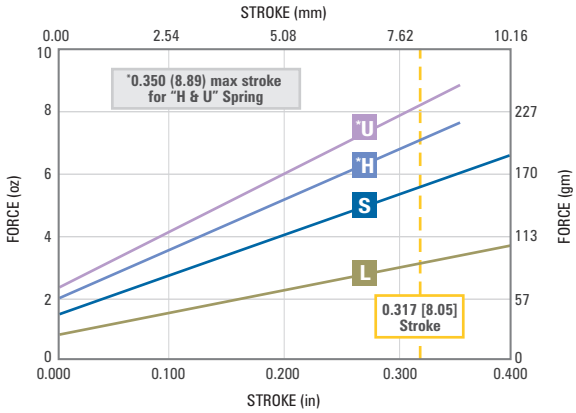
	Letter	Description
Option	B	Curved tube (pylon replacement)
	D	Decreased stroke .250 [6.35]. Must select from 100-25 series spring force with this option.
	N	No probe lubrication. Removing probe lubrication greatly reduces cycle life and should only be used in applications requiring operating temperatures 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.

[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.

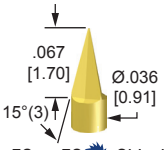
SPRING FORCE



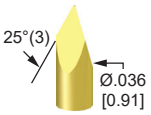
TOOLS & ACCESSORIES

See pages 66-69 for order information.

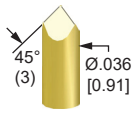
CHISEL



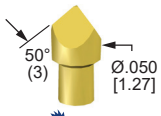
53 or 53S Chisel



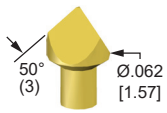
63S Chisel



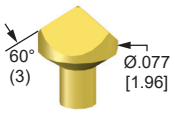
43 Chisel



13S Chisel

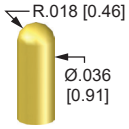


03 Chisel

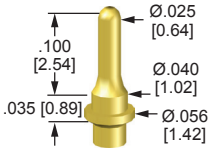


23 Chisel

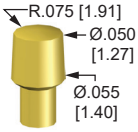
ROUND



40 Round

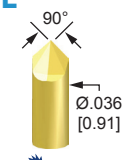


70 Connector
.325 [8.26] Full Stroke



30 Round

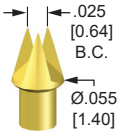
BLADE



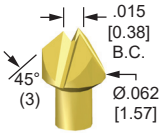
61S Blade

71S Blade

TRIAD

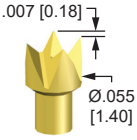


08 Triad

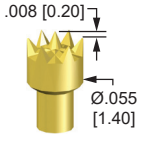


18 Chisel Triad

TORCH

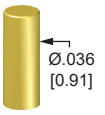


05 Torch

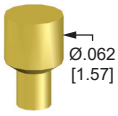


07 Torch

FLAT

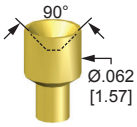


20 Flat



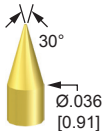
10 Flat

CUP



22 Cup

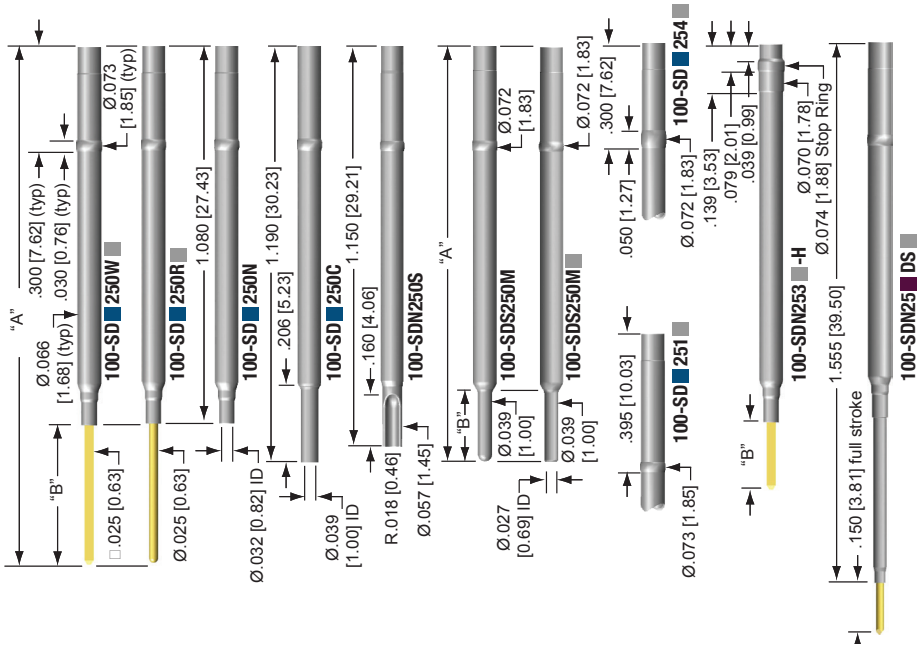
SPEAR



41 Spear

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

Tube

Letter	Material/Finish
G	Nickel silver/OD gold plated ⑦⑨
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] ⑤⑪
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 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		
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 ④⑤⑥⑧
(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
⑪ Available only in N Material

* Pin material: Phosphor bronze/ gold plated over nickel

US Patent No. 4,885,533

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