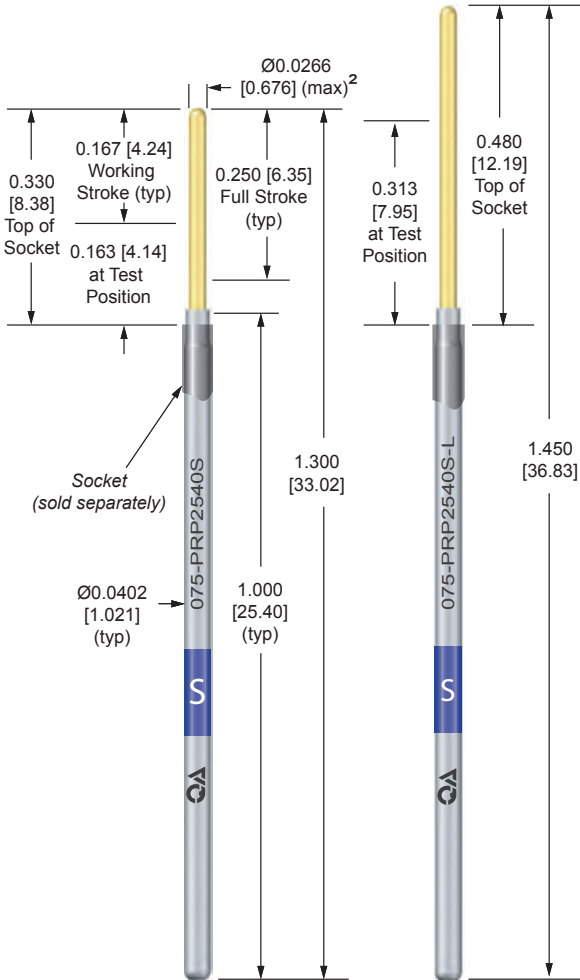




# 075-25 Series

0.075 [1.91] Centers | 0.250 [6.35] Full Stroke

## Long Plunger (-L) Option



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

Letter	Material/Finish	Average Resistance	Current Rating AMPS <sup>1</sup> 120°C (204°C) <sup>3</sup>
P	Nickel silver/ID precious metal clad	< 20 mOhms	7.7 (10.4) <sup>3</sup>
G	Nickel silver/OD gold plated	< 20 mOhms	7.7 (11.1) <sup>3</sup>
N	Nickel silver/no finish	< 155 mOhms	6.1 (8.5) <sup>3</sup>

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

Letter	Spring Force	Preload	@ 0.167 [4.24] Stroke	Material	Cycle Life @ 0.167 [4.24] Stroke
L	Low	1.5 [43g/0.42N]	3.1 [88g/0.86N]	MW	1,000,000
S	Standard	2.7 [77g/0.75N]	5.5 [156g/1.53N]	MW	1,000,000
H	High	2.7 [77g/0.75N]	7.0 [198g/1.95N]	SS	1,000,000
Y	Elevated	3.1 [88g/0.86N]	8.0 [227g/2.22N]	MW	250,000
X	Extra	2.7 [77g/0.75N]	10.1 [286g/2.81N]	MW	100,000

High Preload Spring – Only available with headless S steel tip styles and P tube material.

E	High Preload	5.0 [142g/1.39N]	8.0 [227g/2.22N]	SS	300,000
F	High Preload	6.0 [170g/1.67N]	10.0 [283g/2.78N]	SS	300,000

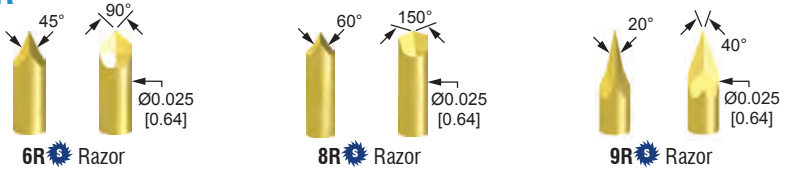
Letter	Description
B	Curved tube (pylon replacement)
L	Long plunger. Must select from 075-40 tip styles
N	No probe lubrication. Removing lubrication greatly reduces cycle life and should only be used in applications outside of the working temperature range, see Testing in Extreme Working Temperatures application note for more details. <sup>3</sup>
S	Heat treated steel/plated gold over nickel (see tip style for availability)
(Blank)	No option required

<sup>1</sup> Current rating is affected by spring material and lubrication choice. Please refer to Current Carrying Capacity and Testing in Extreme Working Temperature applications notes for more details.

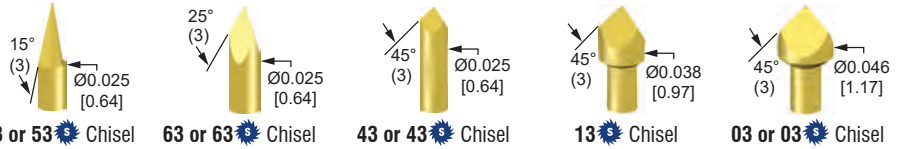
<sup>2</sup> Maximum plunger OD should be used to calculate minimum guide plate clearance holes.

<sup>3</sup> Working Temperature Range: -55°C to 120°C with lubrication. SS springs can be used up to 204°C without lubrication.

## RAZOR



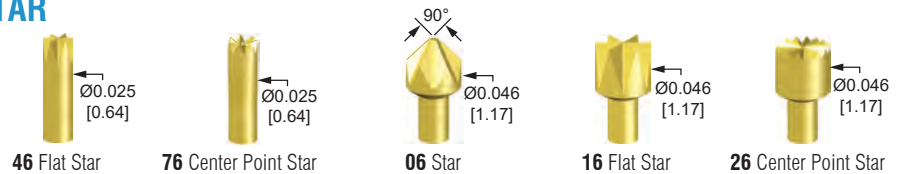
## CHISEL



## SERRATED



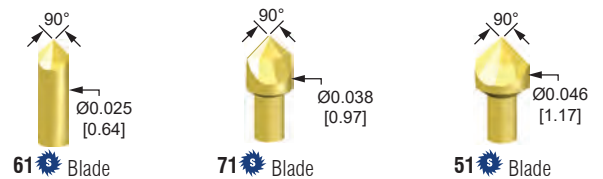
## STAR



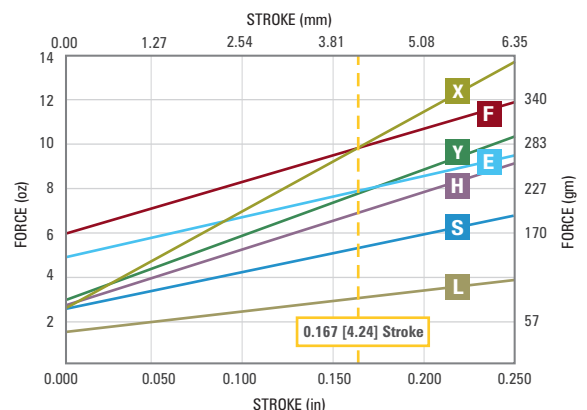
## TRIAD



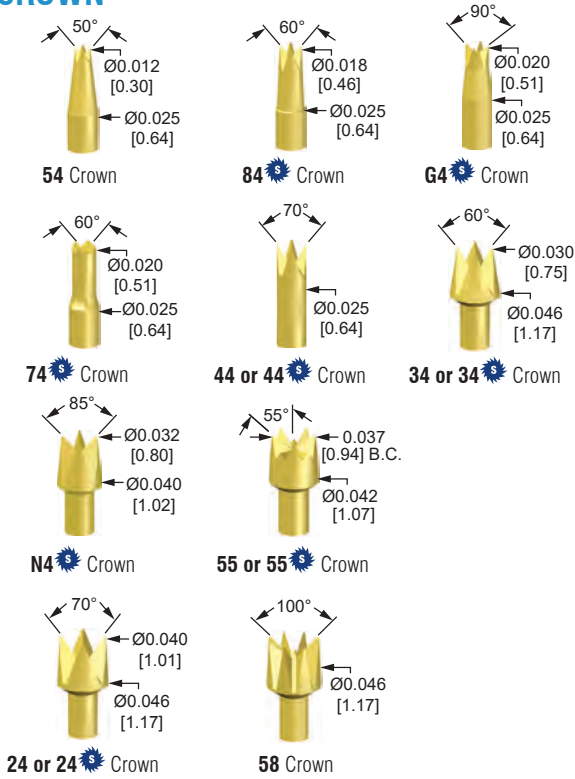
## BLADE



## SPRING FORCE

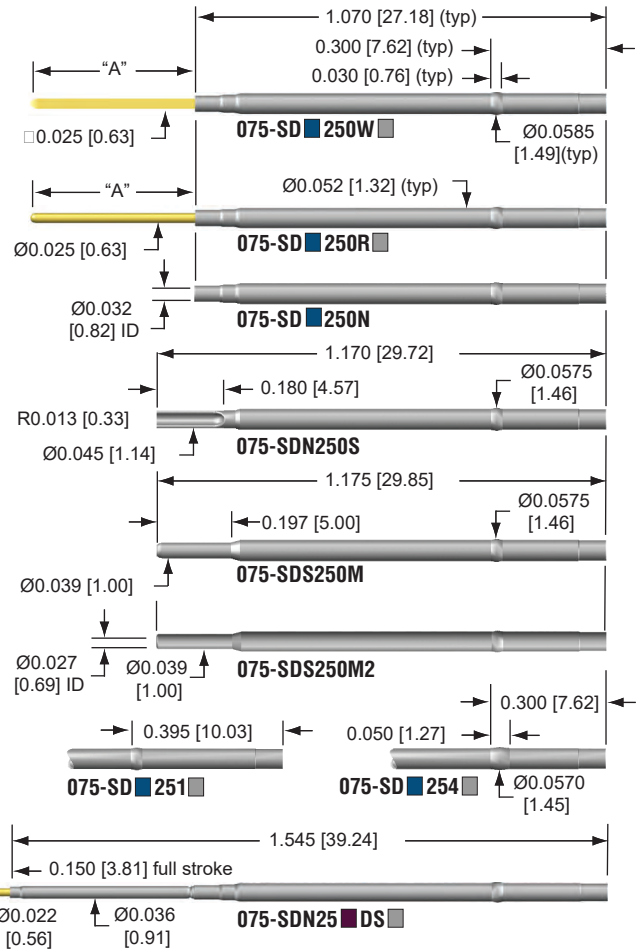


## CROWN



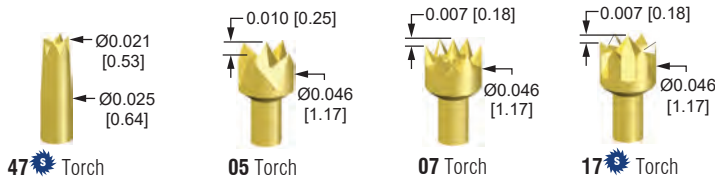
## SOCKETS

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at: 0.0530 / 0.0550 [1.346 / 1.397]; Drill Size #54 or 1.4mm



075-25 Series

## TORCH



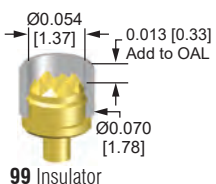
## ROUND & FLAT



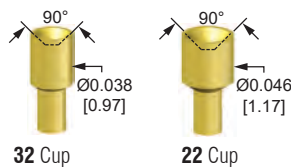
## SPEAR



## INSULATOR



## CUP



## TOOLS & ACCESSORIES

See pages 75-79 for order information.

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

Letter	Material/Finish	NOTES:
<b>Tube</b>		
G	Nickel silver/OD gold plated ④	① Not available in 1 or 4 press ring
N	Nickel silver/no finish	② Not available in G tube material
S	Stainless steel/no finish ①⑥	③ Not available in S tube material
<b>Press Ring</b>		
Digit	Description	
0	Single press ring located at 0.300 [7.62]	④ Not available in M or S termination
1	Single press ring located at 0.395 [10.03] ④	⑤ Available only in S tube material and 0 press ring
4	Single extra long press ring located at 0.300 [7.62] ④	⑥ Available only in M termination
Letter	Description	A in (mm)
DS	Double-ended for wireless testing. See page 43 for ordering details.	
M	Male round tube ①⑤	
M2	Male round tube ①⑤	
N	No termination	
S	Solder cup ①②③	
<b>Termination</b>		
R	Round pin ③	0.410 [10.41]
R1	Round pin ③	0.547 [13.89]
R3	Round pin ③	0.216 [5.49]
R5	Round pin ③	0.947 [24.05]
W	Square wire wrap pin ③	0.429 [10.90]
W1	Square wire wrap pin ③	0.694 [17.63]
W2	Square wire wrap pin ③	1.044 [26.52]
W5	Square wire wrap pin ③	0.500 [12.70]

US Patent No. 4,885,533

