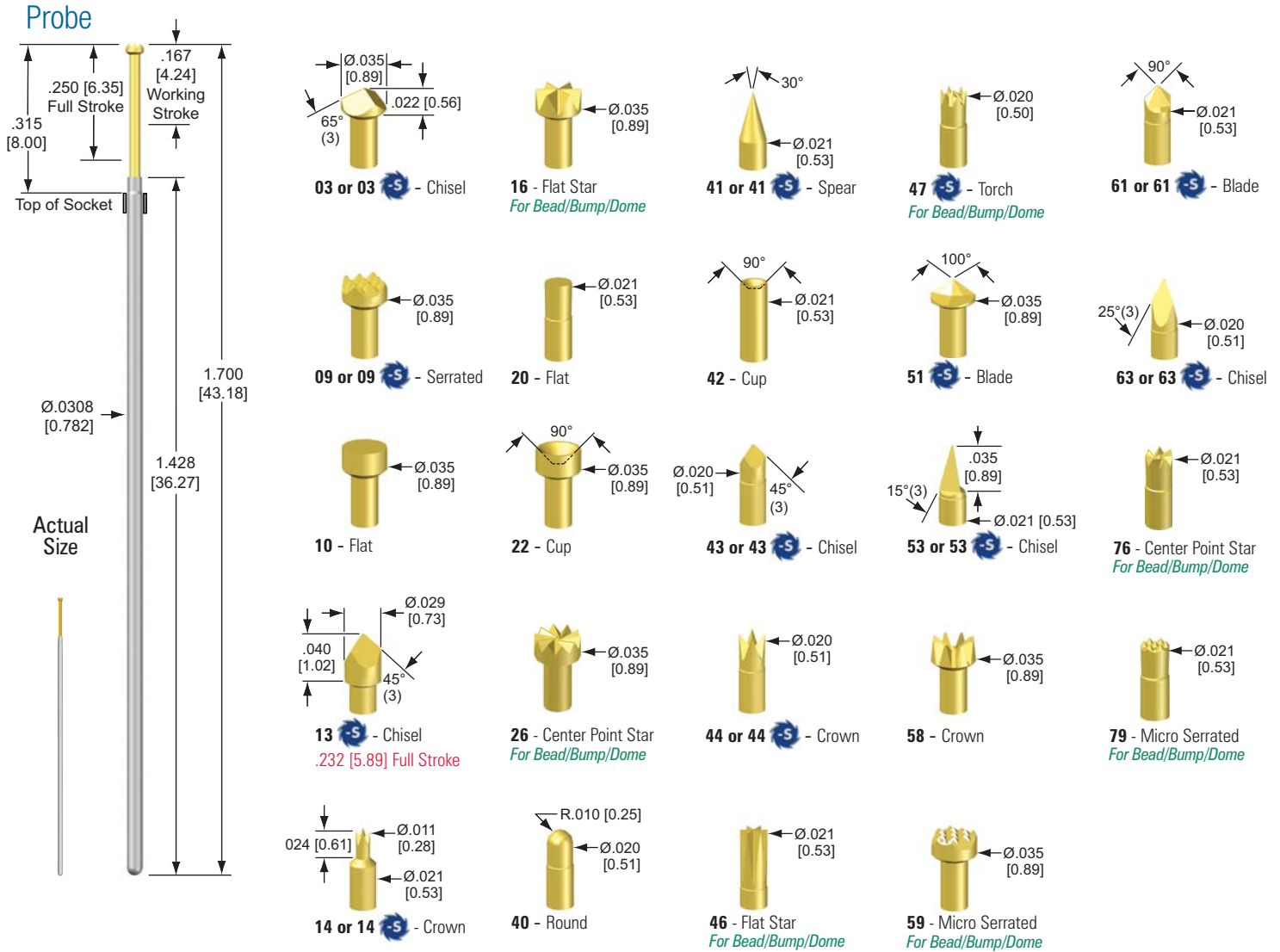


# 050-R25 SERIES | .050 [1.27] Centers | .250 [6.35] Full Stroke



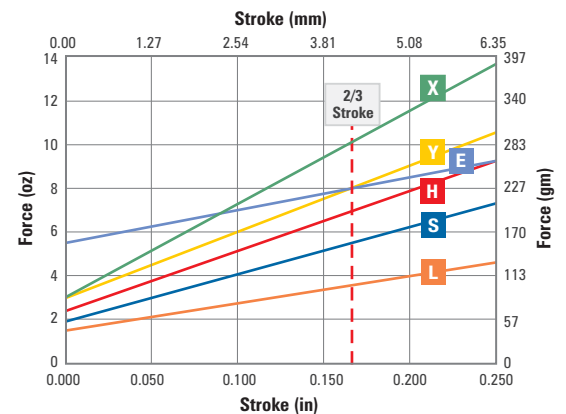
## Probe P/N:

**050 - PRP25**    example: 050-PRP2503L-S

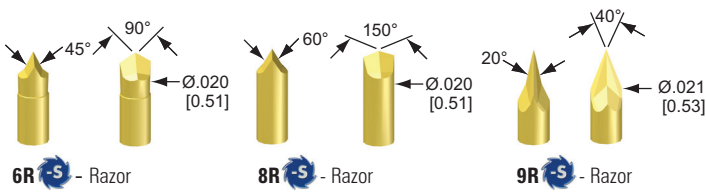
TUBE	Letter	Material/Finish	Average Resistance	Current Rating <sup>1</sup>		
	P	Nickel silver/ID precious metal clad	< 35 mOhms	MW @ 120°C	SS @ 204°C	
				3.9 Amps	5.4 Amps	
TIP STYLE	Digits	Material/Finish				
	See Tips	Standard material is heat treated BeCu/plated gold over nickel (see S option for steel plungers)				
SPRING	Letter	Spring Force	Preload	@ 2/3 Stroke	Material	Cycle Life @ Stroke
	L	Low	1.5 [43]	3.6 [102]	MW	1M @ .167 [4.24]
	S	Standard	1.9 [54]	5.5 [156]	MW	1M @ .167 [4.24]
	H	High	2.4 [68]	7.0 [198]	MW	1M @ .167 [4.24]
	Y	Elevated	3.5 [99]	8.0 [227]	SS	500K @ .167 [4.24]
	X	Extra	3.0 [85]	10.1 [286]	MW	50K @ .167 [4.24]
	<b>High Preload Spring – Only available with 43-S, 44-S, 6R-S, 61-S, 63-S, 8R-S &amp; 9R-S tip styles.</b>					
E	High Preload	5.5 [156]	8.0 [227]	SS	50K @ .167 [4.24]	
OPTION	Letter	Description				
	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				

<sup>1</sup> 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.

## Spring Force

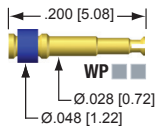


## Razor Sharp Tip Styles (See page 92 for more details)



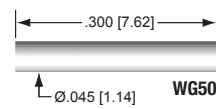
## Wire Plugs

For use with P termination sockets



## Wire Grip Sleeve

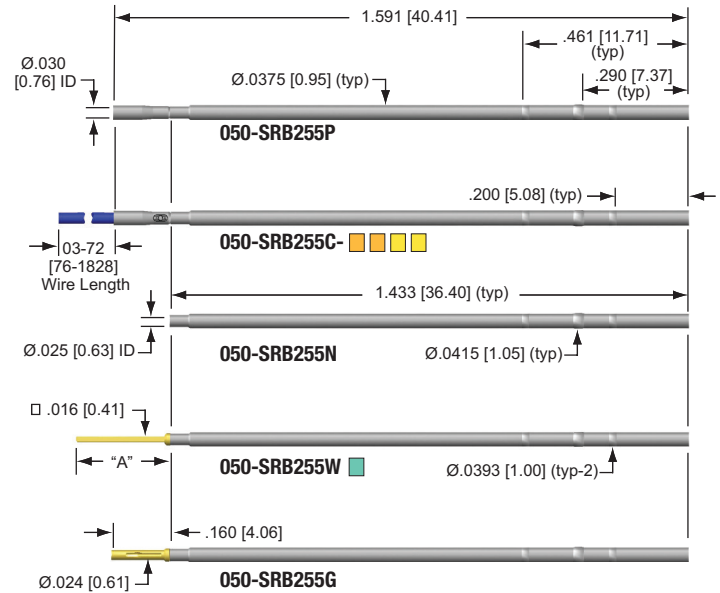
For use with G termination sockets



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

Hole Size	Drill Size
.0380 / .0390 [0.970 / 0.990]	#61 or 1.0mm

## Sockets



## Tools & Accessories (See pages 70-73)

**Pin Gauge Tool:** PG050-25

**Socket Installation Tool Adjustable:** AT50-KIT or AT50M-KIT

**Socket Installation Tool Preset:** ITR050-FL or ITR050-SET .001 to .270 [0.03 to 6.86]

**Socket Extraction Tool:** ETR050-25-KIT (includes ITR050-FL & ETR050-25 – sockets must be FLUSH before extraction)

**Probe Installation Tool:** PT50/39

**Probe Extraction Tool:** PERX39/050 (not for use with headless tip styles)

**Damaged Probe Tube Extraction Tool:** TERX39/050

**Wire Plug Installation Tool:** WTR30 or WTR28

**Wire Grip Installation Tool:** GTR50

**Wire Strippers preset to .120 [3.05]:** WS30 or WS28

**Indicator Probes:** IP050-R2510 or IP050-R2540

## Socket P/N:

**050-SRB255** example: 050-SRB255C3630

TUBE	Letter	Material/Finish								
	B	Heat treated BeCu/Nickel plated								
TERMINATION	Letter	Description	A in (mm)							
	C	Crimp (specify wire size, color and length option)								
	G	Wire grip termination; BeCu/gold plated over nickel. Accepts wire grip sleeve								
	N	No termination								
	P	Plug housing Stainless Steel/ID precious metal clad. Accepts wire plugs								
	W	Square wire wrap pin; BeCu/gold plated over nickel	.260 [6.60]							
	W1	Square wire wrap pin; BeCu/gold plated over nickel	.410 [10.41]							
OPTION	Digit	Description								
<b>Available with P Termination Only</b>										
	0	050-SRB255P with WP30 wire plug								
	8	050-SRB255P with WP28 wire plug								
<b>Available with G Termination Only</b>										
	3	050-SRB255G with WG50 wire grip sleeve								
<b>Wire Size Available for C Termination Only</b>										
	3	30 AWG Kynar insulated solid wire, pre-attached, specify color and length								
	8	28 AWG Kynar insulated solid wire, pre-attached, specify color and length								
	6	26 AWG Kynar insulated solid wire, pre-attached, specify color and length								
	(blank)	No option required								
<b>Wire Colors Available for C Termination</b>										
	0	Black	2	Red	4	Yellow	6	Blue	8	Grey
	1	Brown	3	Orange	5	Green	7	Violet	9	White
<b>Wire Length Available for C Termination</b>										
Specify Length in inches: 03 – 72 [76-1828]										

US Patent No. 4,885,533 & 4,957,622

## Wire Plug P/N:

**WP** example: WP30

PLUG SIZE	Digits	Description/Material
28		Plug to accept 28 AWG Kynar solid wire (not included) Brass/plated gold over nickel with red insulating sleeve
30		Plug to accept 30 AWG Kynar solid wire (not included) Brass/plated gold over nickel with blue insulating sleeve

## Wire Grip Sleeve P/N:

**WG50**

SIZE	Digits	Description
WG50		To accept customer supplied 28AWG or 30AWG Kynar solid insulated wire, stripped at .120 [3.05]. Nylon sleeve, white