

High-Performance Bias Ball Probe

POGO-25

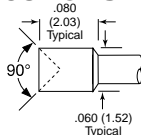
Test Center

.100 (2.54)

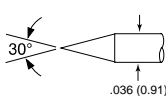
TO ORDER, CALL 909-625-9390

Loaded PCB Test Probes

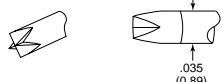
POGO-25A POGO-25A-S



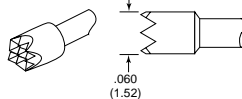
POGO-25B POGO-25B-S



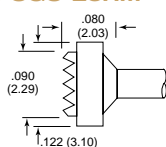
POGO-25FL-S



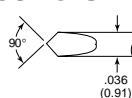
POGO-25H POGO-25H-S



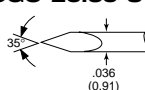
POGO-25HM



POGO-25I POGO-25I-S



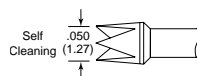
POGO-25I35-S



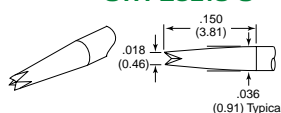
POGO-25J POGO-25J-S



POGO-25L POGO-25L-S



POGO-25L18 POGO-25L18-S STH-25L18-S



POGO-25
Patented

NOTE: To order in steel, include a -S after model #, i.e. POGO-25H-2-S

Rhodium plating on plunger is available upon request.

Probe Specifications

Probe Specifications	POGO-25	POGO-25 Steel
Mechanical		
Full Travel:	.250 (6.35)	.250 (6.35)
Recommended Working Travel:	.167 (4.24)	.167 (4.24)
Mechanical Life Exceeds:	1 x 10 ⁶ cycles	1 x 10 ⁶ cycles
Operating Temperature	-55°C to +105°C	-55°C to +105°C
Consult factory for other temperature requirements, and applications below -40° C.		
Electrical (Static Conditions)		
Current Rating:	10 amps	10 amps
Maximum continuous current, non-inductive at working travel		
Probe Resistance	8 mΩ	8 mΩ
With a standard deviation of <1 mΩ @ 25 mA test current		
Materials and Finishes		
Plunger:	Heat-treated beryllium copper, gold-plated over hard nickel	Plunger steel, heat-treated tool, gold-plated over hard nickel
Barrel:	Work-hardened phosphor bronze, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel	Work-hardened phosphor bronze, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel
Spring:	Music wire	Music wire
Ball:	Stainless steel	Stainless steel

Receptacle Specifications

Mounting Hole Size:	.067/.069 (1.7/1.75)	.067/.069 (1.7/1.75)
Recommended Wire Gauge:	22-26 AWG	22-26 AWG
Connections:	SPR-25W Crimp or push-on termination (AMP terminal 60983-1 or equivalent) SPR-25W-1 Solder cup SPR-25W-2 Wire wrap/square post. Vacuum leak rate not to exceed 1 x 10 ⁻⁴ CFM @ 15 psi SPR-25W-3 Connector pin/round post	SPR-25W Crimp or push-on termination (AMP terminal 60983-1 or equivalent) SPR-25W-1 Solder cup SPR-25W-2 Wire wrap/square post. Vacuum leak rate not to exceed 1 x 10 ⁻⁴ CFM @ 15 psi SPR-25W-3 Connector pin/round post

Materials and Finishes	POGO-25	POGO-25 Steel
Housing:	Work-hardened nickel silver, gold plated over hard nickel	Work-hardened nickel silver, gold plated over hard nickel
Round Post:	Phosphor bronze, gold plated	Phosphor bronze, gold plated
Square Post:	Phosphor bronze, gold plated	Phosphor bronze, gold plated

Actual Size

Green type denotes steel plunger with gold plating; PogoPlus for Stealth™ (no receptacles needed for use in ECT Stealth fixtures)

Pogo Plus

Dimensions in inches (millimeters)

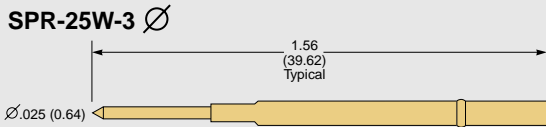
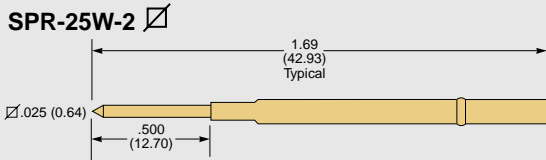
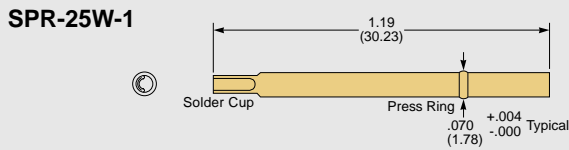
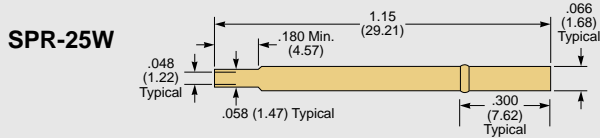
TO ORDER, CALL 909-625-9390

Spring Force in oz. (grams)	Preload	2/3 Travel
Light	-2	2.0 (57)
Standard	-4	4.0 (114)
Alternate	-6	6.0 (170)
High	-8	8.0 (227)
Ultra High	-10	10.0 (283)
Super	-16	16.0 (455)

To order, add dash number to Model Number.

Light	-2	.70 (20)	2.0 (57)
Standard	-4	1.24 (35)	4.0 (114)
Alternate	-6	1.73 (49)	6.0 (170)
High	-8	2.15 (61)	8.0 (227)
Ultra High	-10	1.87 (53)	10.0 (283)
Super	-16	3.90 (111)	16.0 (455)

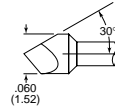
Optional spring forces and materials are available.



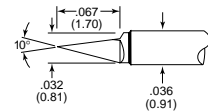
POGO-25L36
POGO-25L36-S
STH-25L36-S



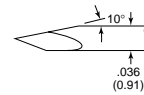
POGO-25T
POGO-25T-S



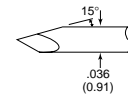
POGO-25T1-S



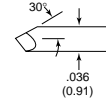
STH-25T10-S



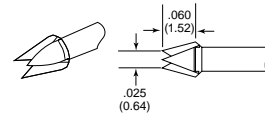
POGO-25T36
POGO-25T36-S



STH-25T36-S



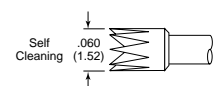
POGO-25UN
POGO-25UN-S



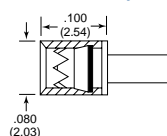
POGO-25V
POGO-25V-S



POGO-25Z
POGO-25Z-S



SPL-25H-246
(INSULATED)



Loaded PCB Test Probes



Green type denotes steel plunger with gold plating; PogoPlus for Stealth™ (no receptacles needed for use in ECT Stealth fixtures)