

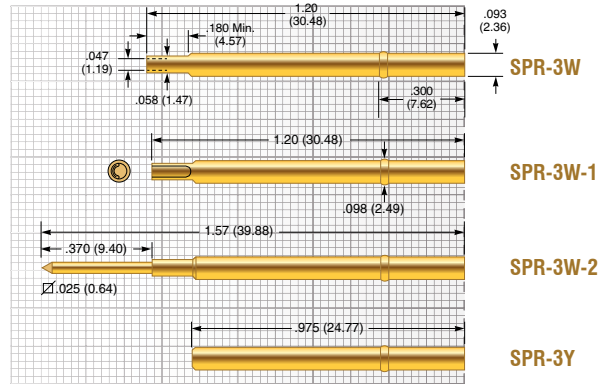
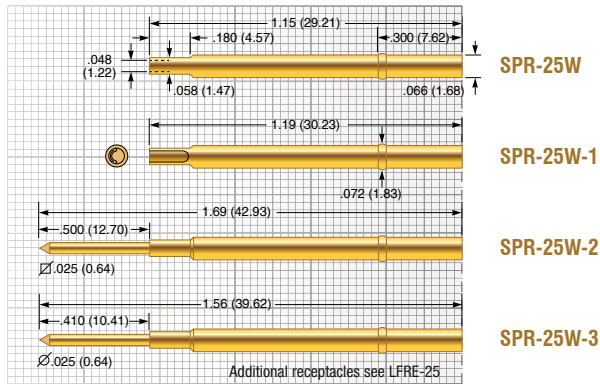
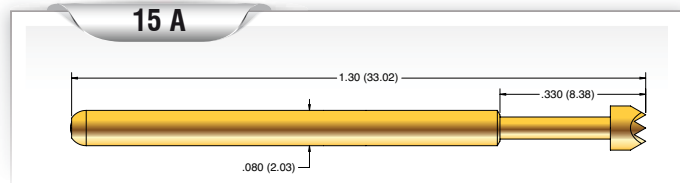
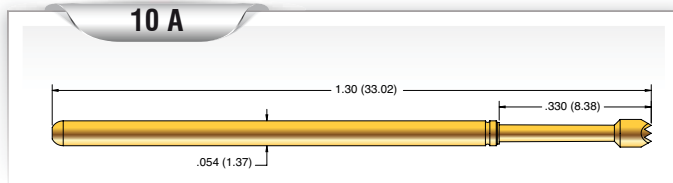
High Current Probe

HCP-25

100 mil (2.54 mm)

HCP-13

125 mil (3.18 mm)



Mechanical

Recommended Travel:	.167 (4.24)
Full Travel:	.250 (6.35)
Operating Temperature:	-55°C to +150°C

Spring Force in oz. (grams)

	Order Code	Preload	Rec. Travel
Standard		1.29 (37)	4.0 (113)
Alternate	-1	2.23 (63)	8.00 (227)

Electrical (Static Conditions)

Current Rating:	10 amps
Average Probe Resistance:	<25 mOhms

Materials and Finishes

Plunger:	Heat-treated BeCu, Gold plated over hard Nickel
Barrel:	Phosphor Bronze, Gold plated over Silver
Spring:	Stainless Steel, Silver plated
Bias Ball:	Stainless Steel

Receptacle

Hole diameter:	Ø .067 to .069 (1.70 to 1.75)
Suggested drill:	#51 or 1.70 mm
Material Housing:	Work-hardened Nickel Silver, Gold plated over hard Nickel
Material Post:	Phosphorous Bronze, Gold plated

Mechanical

Recommended Travel:	.167 (4.24)
Full Travel:	.250 (6.35)
Operating Temperature:	-55°C to +150°C

Spring Force in oz. (grams)

	Order Code	Preload	Rec. Travel
Standard		1.44 (41)	4.5 (128)
Alternate	-1	2.43 (69)	8.00 (227)

Electrical (Static Conditions)

Current Rating:	15 amps
Average Probe Resistance:	<25 mOhms

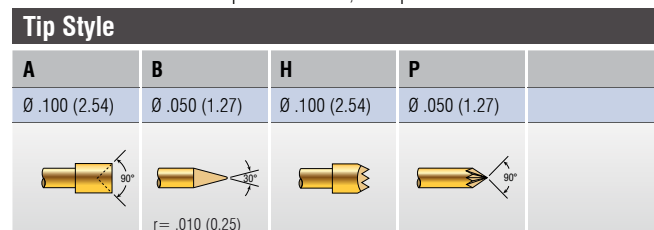
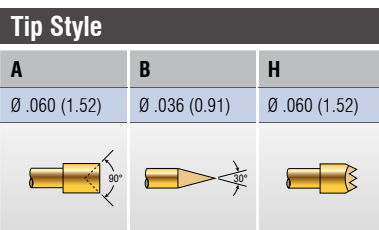
Materials and Finishes

Plunger:	Heat-treated BeCu, Gold plated over hard Nickel
Barrel:	Phosphor Bronze, Gold plated over Silver
Spring:	Stainless Steel, Silver plated
Bias Ball:	Stainless Steel
Terminal Ball:	Stainless Steel

Receptacle

Hole diameter:	Ø .094 to .096 (2.39 to 2.44)
Suggested drill:	#41 or 2.40 mm
Material Housing:	Work-hardened Nickel Silver, Gold plated over hard Nickel
Material Post:	Phosphorous Bronze, Gold plated

Series	Size	Tip Style
HCP	25	B
HCP	13	H

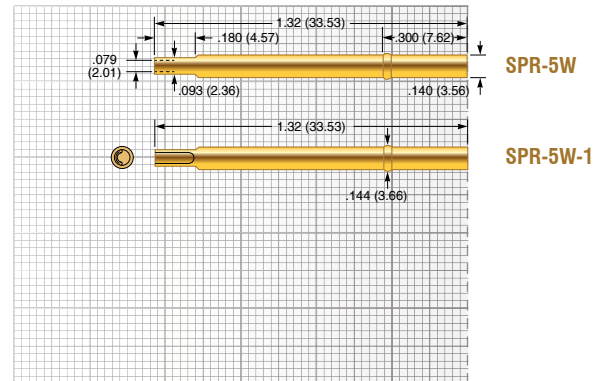
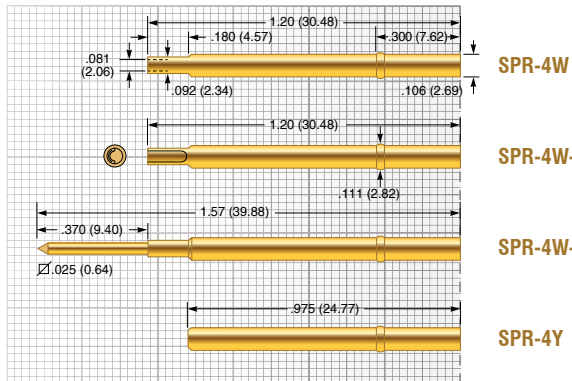
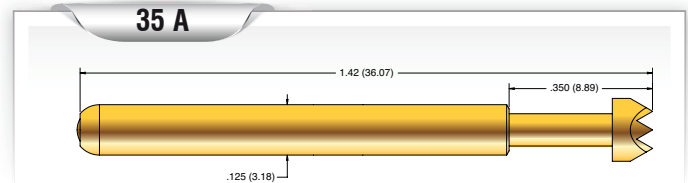
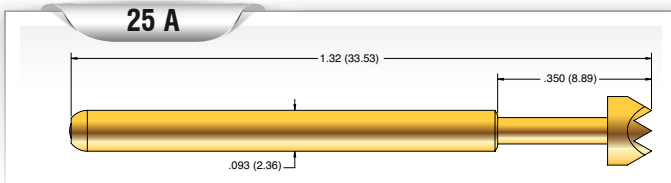


HCP-14

187 mil (4.75 mm)

HCP-15

187 mil (4.75 mm)



Mechanical

Recommended Travel:	.167 (4.24)
Full Travel:	.250 (6.35)
Operating Temperature:	-55°C to +150°C

Spring Force in oz. (grams)

	Order Code	Preload	Rec. Travel
Standard		0.86 (24)	4.8 (136)
Alternate	-1	4.32 (122)	12.0 (340)

Electrical (Static Conditions)

Current Rating:	25 amps
Average Probe Resistance:	<25 mOhms

Materials and Finishes

Plunger:	Heat-treated BeCu, Gold plated over hard Nickel
Barrel:	Phosphor Bronze, Gold plated over Silver
Spring:	Stainless Steel, Silver plated
Bias Ball:	Stainless Steel
Terminal Ball:	Stainless Steel

Receptacle

Hole diameter:	Ø .107 to .109 (2.72 to 2.77)
Suggested drill:	2.75 mm
Material Housing:	Work-hardened Nickel Silver, Gold plated over hard Nickel
Material Post:	Phosphorous Bronze, Gold plated

Tip Style

A	B	H		
Ø .156 (3.96)	Ø .060 (1.52)	Ø .156 (3.96)		
r = .010 (0.25)				

Mechanical

Recommended Travel:	.167 (4.24)
Full Travel:	.250 (6.35)
Operating Temperature:	-55°C to +150°C

Spring Force in oz. (grams)

	Order Code	Preload	Rec. Travel
Standard		3.76 (107)	16.0 (456)
Alternate	-1	6.05 (172)	24.0 (680)

Electrical (Static Conditions)

Current Rating:	35 amps
Average Probe Resistance:	<25 mOhms

Materials and Finishes

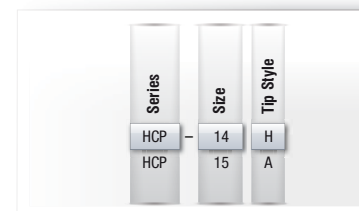
Plunger:	Heat-treated BeCu, Gold plated over hard Nickel
Barrel:	Phosphor Bronze, Gold plated over Silver
Spring:	Stainless Steel, Silver plated
Bias Ball:	Stainless Steel
Terminal Ball:	Stainless Steel

Receptacle

Hole diameter:	Ø .141 to .143 (3.58 to 3.63)
Suggested drill:	3.60 mm
Material Housing:	Work-hardened Nickel Silver, Gold plated over hard Nickel

Tip Style

A	B	H
Ø .156 (3.96)	Ø .080 (2.03)	Ø .156 (3.96)
r = .010 (0.25)		



Dimensions in inches (millimeters). Specifications subject to change without notice. Consult factory for other temperature requirements, and applications below -40°C. Stocking Disclaimer: Stocking levels for part numbers listed in this catalog are subject to change. Availability is based on current levels of usage and demand.

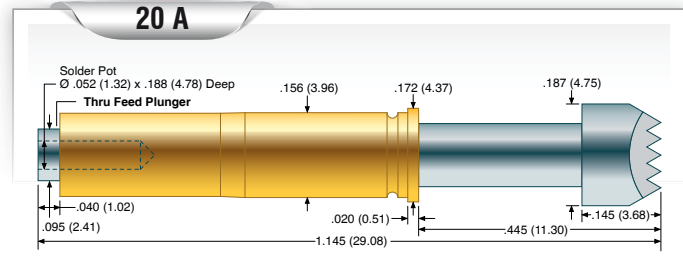
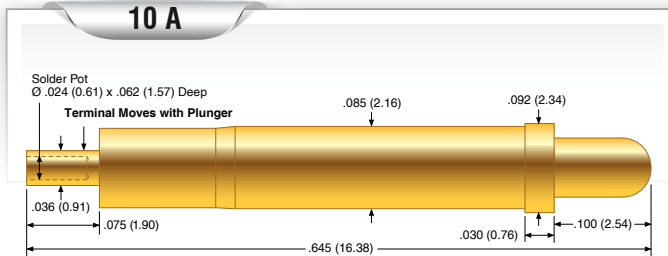


P3325

125 mil (3.18 mm)

P2447-1W

225 mil (5.72 mm)



Mechanical

Recommended Travel: .066 (1.68)
 Full Travel: .100 (2.54)
 Operating Temperature: -55°C to +105°C

Spring Force in oz. (grams)

	Preload	Rec. Travel
Standard	5.0 (142)	8.3 (235)

Electrical (Static Conditions)

Current Rating: 10 amps
 Average Probe Resistance: <10 mOhms

Materials and Finishes

Plunger: Hardened BeCu, Gold plated
 Barrel: Brass
 Spring: Music Wire

Mounting Options

Hole diameter: Ø .086 (2.18)
 Suggested drill: #44 or 2.18 mm

Tip Style

0	1		
Ø .061 (1.55)	Ø .090 (2.29)		



Mechanical

Recommended Travel: .200 (5.08)
 Full Travel: .300 (7.62)
 Operating Temperature: -55°C to +150°C

Spring Force in oz. (grams)

	Preload	Rec. Travel
Standard	6.0 (170)	14.0 (397)

Electrical (Static Conditions)

Current Rating: 20 amps
 Average Probe Resistance: <10 mOhms

Materials and Finishes

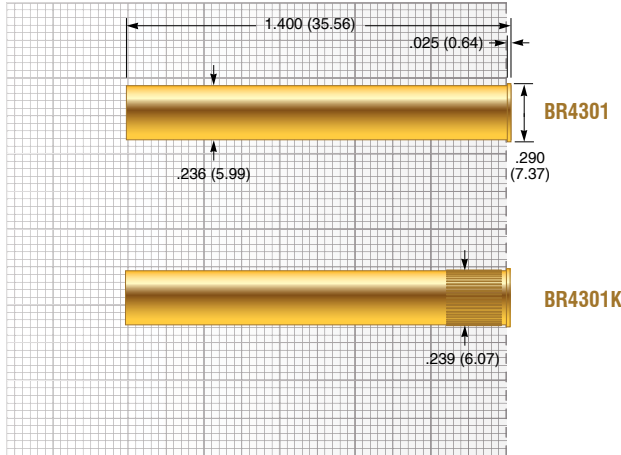
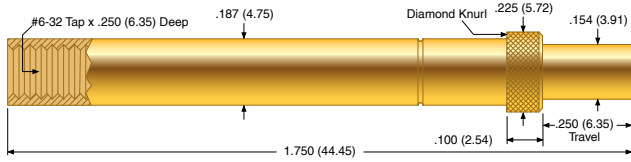
Plunger: Hardened BeCu, Nickel plated
 Barrel: Brass
 Spring: Stainless Steel

Mounting Options

Hole diameter: Ø .157 (3.99)
 Suggested drill: #22 or 3.99 mm

Series	Tip Style
P3325	0
P2447	1W

P4301



up to 50 A

Mechanical

Recommended Travel: .167 (4.24)
 Full Travel: .250 (6.35)
 Operating Temperature: -55°C to +150°C

Spring Force in oz. (grams)

	Preload	Rec. Travel
Standard	16 (454)	25.7 (729)

Electrical (Static Conditions)

Current Rating BeCu: 40 amps
 Current Rating Tellurium Copper: 50 amps
 Average Probe Resistance: <5 mOhms

Materials and Finishes

Plunger (1F, 2F) Tellurium Copper, Gold plated
 Plunger: BeCu, Gold plated
 Barrel: Tellurium Copper, Gold plated
 Spring: Stainless Steel
 Ball: Stainless Steel

Receptacle

Hole diameter: Ø .238 (6.05)
 Suggested drill: #B or 6.05 mm
 Material Housing: Nickel Silver, Gold plated

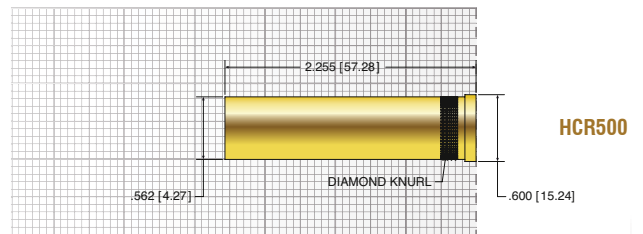
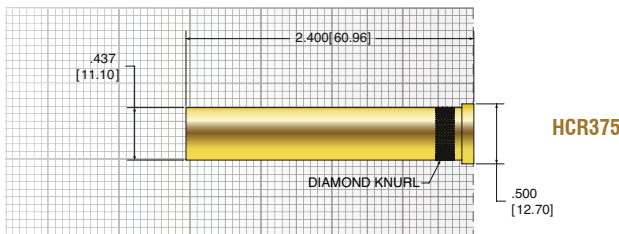
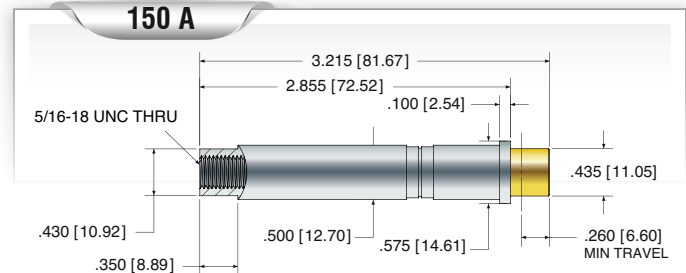
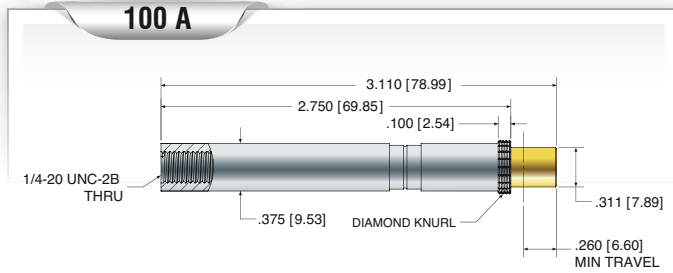
Tip Style					
1F	1R	1W	1Z	2F	2R
Ø .154 (3.91)	Ø .154 (3.91)	Ø .154 (3.91)	Ø .200 (5.08)	Ø .154 (3.91)	Ø .154 (3.91)

Dimensions in inches (millimeters). Specifications subject to change without notice. Consult factory for other temperature requirements, and applications below -40°C. Stocking Disclaimer: Stocking levels for part numbers listed in this catalog are subject to change. Availability is based on current levels of usage and demand.

Series: P4301 - Tip Style: 1F

HC375

HC500



Mechanical

Recommended Travel: .250 (6.35)
 Full Travel: .360 (9.14)
 Operating Temperature: -55°C to +155°C

Spring Force in oz. (grams)

	Order Code	Preload	Rec. Travel
Standard	-4	27.2 (771)	64 (1814)
Alternate	-6	24.0 (680)	96 (2722)

Electrical (Static Conditions)

Current Rating: 100 amps
 Average Probe Resistance: <25 mOhms

Materials and Finishes

Plunger: BeCu Gold plated
 Barrel: Brass Silver plated
 Spring: Stainless Steel

Receptacle

Hole Diameter: Ø .439 (11.15)
 Suggested drill: 7/16 or 11.15 mm
 Material Housing: Work-hardend Brass, Gold plated over hard Nickel

Mechanical

Recommended Travel: .250 (6.35)
 Full Travel: .260 (6.60)
 Operating Temperature: -55°C to +155°C

Spring Force in oz. (grams)

	Preload	Rec. Travel
Standard	22.08 (626)	220.8 (6260)

Electrical (Static Conditions)

Current Rating: 150 amps
 Average Probe Resistance: <25 mOhms


Materials and Finishes

Plunger: BeCu Gold plated
 Barrel: Brass Silver plated
 Spring: Stainless Steel Silver plated


Receptacle

Hole Diameter: Ø .571 - Ø .5679 (14.50 mm)
 Suggested drill: 14.50 mm
 Material Housing: Work-hardend Brass, Gold plated over hard Nickel

Tip Style (additional styles on request)

1F			
Ø .311 (7.89)			
			

Tip Style (additional styles on request)

1F			
Ø .435 (11.05)			
			

Series	Tip Style
HC375	1F
HC500	1F