

PN1002

PNEUMATIC TEST PROBES

TIP STYLES

PN1002

Technical Specifications

Recommended Working Stroke: 6.00 mm [0.236]
Maximum Stroke: 10.00 mm [0.394]
Contact Force at Work.Stroke: 0.6 N (2.2 oz)
Operating Medium: Compressed Air (filtered, oil-free)
Operating Pressure: 6 bar (86 psi)
Max. Current: 2 - 3 A (continuous)
Average Resistance: max. 30 mΩ
Barrel Material:
Phosphor Bronze / Beryllium Copper
Spring Material: SUS / Spring Steel Gold Plated
Operating Temperature: - 30 °C up to + 120 °C
[- 22 °F up to + 248 °F]
Mounting Hole Size:
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^Δ

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
XS	0.60	2.2

Plunger Material	
Code	Material
5	Steel
Plunger Plating	
Code	Material
R	Rhodium

^Δ Varies from used drilling technologies and raw materials. For more Technical information consult with us at: info@equip-test.com

Recommended Socket / Receptacle Series for
Pneumatic Test Probes PN1002 is RCP118.
See **Page 154** for detailed information.

Tool for PN1002 Series Test Probes Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*

Tool Handle w. shaft	Insertion Bits		Insertion & Extraction Bit
	Universal	Tip Diameter not Wider than Probe Plunger	Tip Diameter Wider than Probe Plunger
TH1	TBP10000	-	-

*Exchangeable Bits above always need a Tool Handle for proper use. Tool Handle fits to all Exchangeable Bits from this catalog.

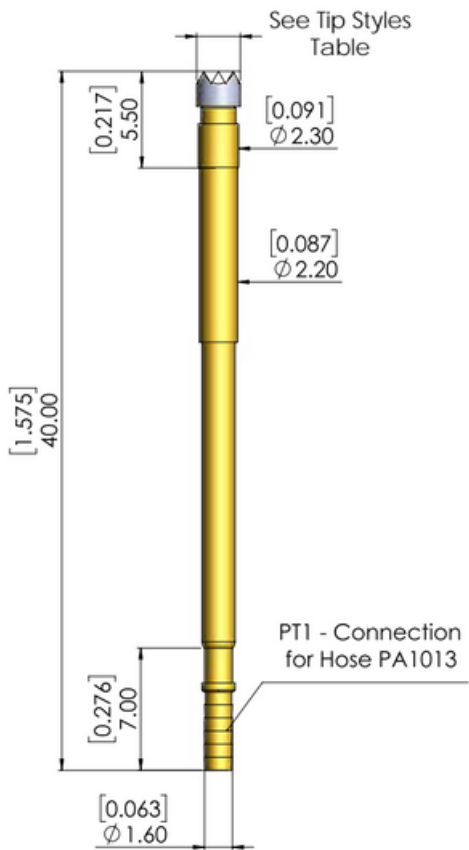
≡ Test Probes Ordering Code Example

PN1002 R CG 5 4 XS
a b c d e f g

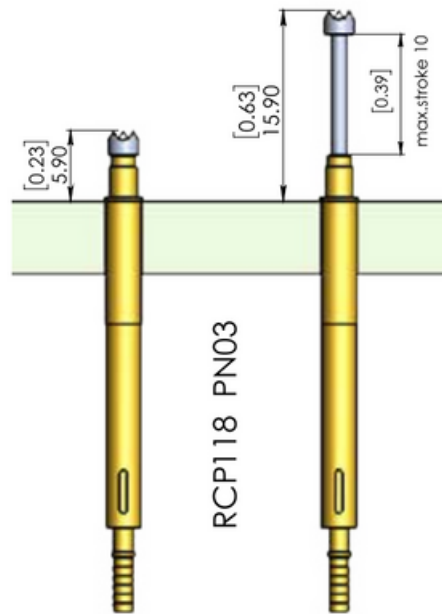
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Pneumatic Probes use compressed air to activate the plunger. When compressed air is applied then the plunger shoots out of the barrel and contacts the test point. The spring inside the barrel has the function to retract the plunger to its home position after turning off the compressed air. The Pneumatic Probes offer the ideal solution when only a few test points need to be contacted from the side or angularly. And in the case of only a few test points they also offer a cost-effective solution instead of using spring-loaded probes mounted in the moving probe plate of a Test Fixture.

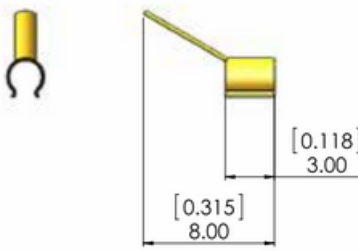


Installation Height & Max. Stroke



PA1040

Material: Brass - Gold Plated



Quick wire change solution.

≡ Socket / Receptacle Ordering Code Example

RCP118 PN03
x y z

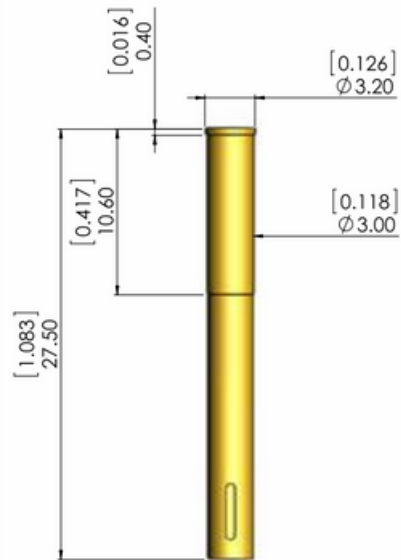
x: Series • y: Socket / Receptacle Plating • z: Option

By default Socket / Receptacle is Hard Gold plated and it is not marked in the PO Code. Fill position y: only if different.

RCP118 PN03

Installation Height

- Fixed: 5.90 mm [0.232]
- Variable: not variable
- Material:** Brass
- Plating:** Hard Gold



*Note: The Sockets / Receptacles RCP118 and PA1040 can be used from Grid 3.50 mm (140 Mil) up.

Tool for RCP118 Sockets / Receptacles Contains:
Tool Handle + Exchangeable Bit(s)
- has to be chosen*



*Exchangeable Bits above always need a Tool Handle for proper use. Tool Handle fits to all Exchangeable Bits from this catalog.

*Extraction Bit for Receptacle is applicable both to universal Handle TH1 and extraction optimized Handle TH2 (See Page 4)

≡ Socket / Receptacle Ordering Code Example

Socket / Receptacle Plating

Code	Material
No letter	Hard Gold

PN1002

Pneumatic Test Probes ▪ 100 Mil / 2.54 mm

ACTUAL SIZE

PN1002

Pneumatic Test Probes ▪ 100 Mil / 2.54 mm

ACTUAL SIZE