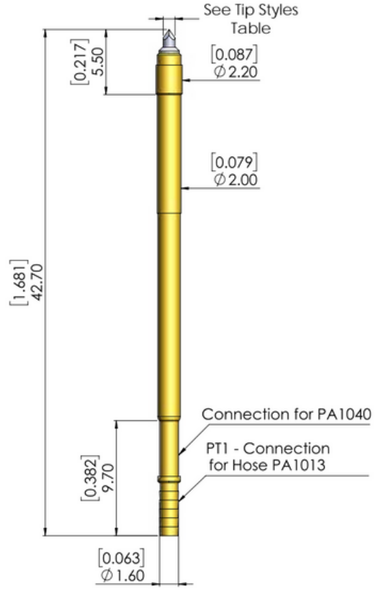
BEADON SOLUTIONS
sales@beadonsolutions.co.uk

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: 1 - 2 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

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.



Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
LS	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 PN1001** is **RCP094**.
See **Page 152** for detailed information.

Tool for PN1001 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.

Ξ Test Probes Ordering Code Example

PN1001 R 1LA 5 3 LS
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.

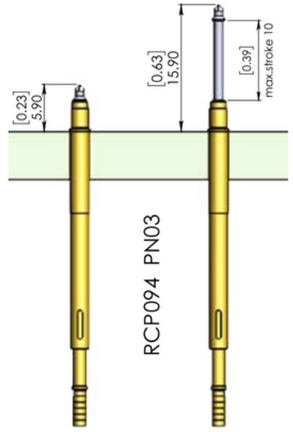
ACTUAL SIZE

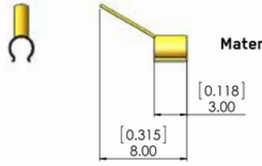


Tip Styles		Plunger Material	Tip Diameter Code	Plunger Plating	Tip Diameter	
					mm	[inches]
	4CA	5	3	R	1.30	0.051
	CG	5	4	R	2.50	0.098
	1LA	5	3	R	1.00	0.039
	3UB	5	3	R	1.50	0.059

Ξ Tip Diameter Code changes according to the **Tip Style**.

Installation Height & Max. Stroke



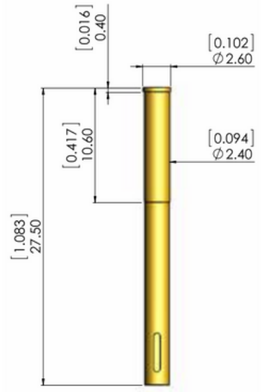


PA1040
Material: Brass - Gold Plated

Quick wire change solution.

RCP094 PN03

Installation Height
• Fixed: 5.90 mm [0.232]
• Variable: not variable
Material: Brass
Plating: Hard Gold



*Note: The Sockets / Receptacles RCP094 and PA1040 can be used from Grid 3.00 mm (120 Mil) up.

Tool for RCP094 Sockets / Receptacles Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*


Handle TH1


Universal Pressing Bit
TBP10000


Customized Pressing Bit
TBR10037

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


Extraction Bit
TBR12570

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

Ξ Socket / Receptacle Ordering Code Example

RCP094 _ PN03
x y z

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

Socket / Receptacle Plating	
Code	Material
No letter	Hard Gold

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

ACTUAL SIZE

