



BEADON
SOLUTIONS

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Centers 100 Mil / 2.54 mm

4.00 mm [0.157] Switching Path

SW1000

SWITCH PROBES

TIP STYLES

SW1000

Technical Specifications

Recommended Working Stroke: 5.00 mm [0.197]

Full Stroke: 6.00 mm [0.236]

Switching path: 4.00 mm [0.157] ± 0.2 [0.008]

Max. Current: 1 A (continuous)

Average Resistance: < 50 mΩ

Barrel Material:

Phosphor Bronze / Beryllium Copper / Nickel Silver

Spring Material: SUS / Spring Steel Gold Plated

Mounting Hole Size:

Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^Δ

Spring Force at Switching Point		
Code	Rated force	
	(N)	[oz]
S	2.00	7.2

Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

^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
Switch Probes SW1000 is RCP066.
See Page 136 for detailed information.

Tool for SW1000 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	TBR10035	TBR10070

*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

SW1000 CG 53 S

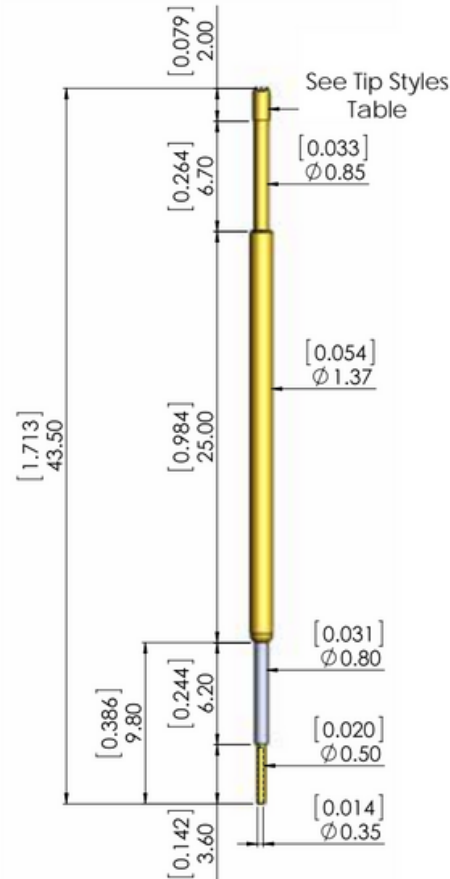
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Switch Probes are actually micro-switches and have different switching paths. The repeatable switching path ensures the quality of our Switch Probes.

Typical applications for this type of product are:

- Test fixture closed-cover and/or UUT (Unit Under Test) sensing
- Automatic start of test when DUT is placed on to the fixture
- Placed under Probes with through-hole continuous Plunger for "circuit closed"
- Component and Connector Pin Presence Check

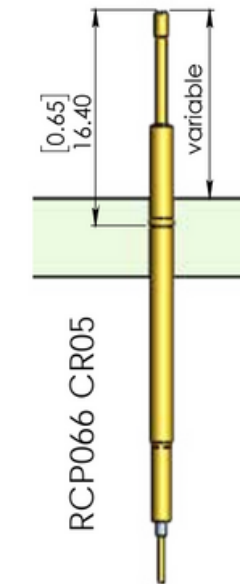


Tip Styles	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CG	5	3	1.00 0.039
	RA	5	3	0.65 0.025

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Installation Height

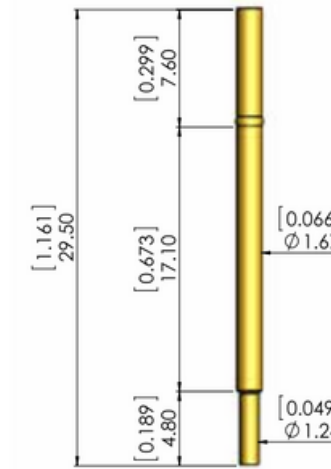


Installation Height is determined by drill hole depth of Socket / Receptacle that is used!

RCP066 CR05

Installation Height

- Fixed: 16.40 mm [0.645]
- Variable: variable
- Feature: press - ring
- Material:** Bronze / Nickel Silver
- Plating:** Hard Gold



Tool for RCP066 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

RCP066 CR05

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.

Socket / Receptacle Plating	
Code	Material
No letter	Hard Gold

SW1000

Switch Probes - 100 Mil / 2.54 mm

ACTUAL SIZE

SW1000

Switch Probes - 100 Mil / 2.54 mm

ACTUAL SIZE