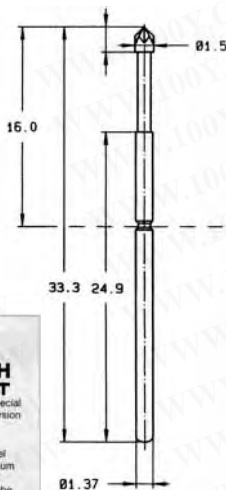




# Spring Probes

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### Mechanical Specifications

- Minimum centers: 2.10mm
- Projection height: 8.5-16.0mm (H787),
- Full travel: 6.40mm
- Recommended working travel: 5.0mm
- Mechanical life: 1.5mill, cycles
- Pointing accuracy: ±0.08mm
- Operating temperature: -20°C~80°C

### MATERIAL AND FINISHES

- Plunger: see tip style
- Barrel: bronze, gold plated
- Spring: music wire, silver plated
- Receptacle: bronze, gold plated

### ELECTRICAL SPECIFICATIONS

- Maximum continuous current: 3.0A
- Tip probe resistance: 30mohms



### Plunger Tip Style, Material, Tip Diameter and Finish

05 BeCu ∅ 1.5 mm G, R	06 BeCu ∅ 1.3/1.5 mm G, R	07 Steel ∅ 1.5 mm L, R	10 Steel ∅ 0.5 mm, N ∅ 0.63 mm, L	11 BeCu ∅ 1.05 mm G
12 BeCu ∅ 1.5 mm G	14 BeCu ∅ 1.3/1.5 mm G	14 Steel ∅ 1.3/1.5 mm L, R	15 BeCu ∅ 1.5 mm G	18 Steel ∅ 1.05 mm G
18 BeCu ∅ 1.05 mm G, R	20 BeCu ∅ 1.5 mm G	21 Steel ∅ 1.05 mm L, R	28 BeCu ∅ 1.5 mm G	30 BeCu ∅ 1.05 mm G, R
33 Steel ∅ 1.05 mm L, R	34 Steel ∅ 0.8 mm L, R	35 Steel ∅ 1.45 mm L	36 BeCu ∅ 1.37 mm G	36 Steel ∅ 1.37 mm L
60 BeCu ∅ 0.46 mm G	61 BeCu ∅ 0.75 mm G	62 BeCu ∅ 1.05 mm G	63 BeCu ∅ 1.50 mm G	64 BeCu ∅ 0.46 mm G

### Order Example

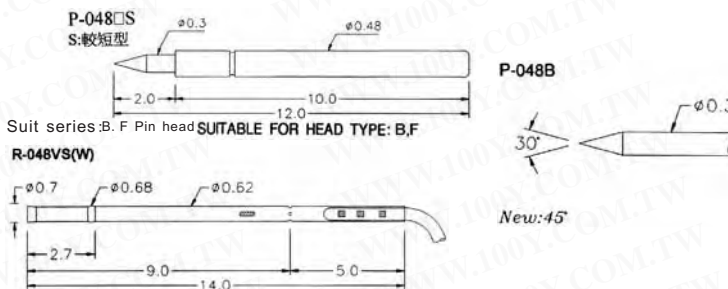
Type	Tip Diameter	Spring Force
<b>F585.15B.150.G.200.H</b>		
Tip Style	Material	Plunger Finish
Material: B = BeCu, S = Steel		
Tip Diameter: 1.5 mm = 150 (for example)		
Plunger Finish: G = Gold plated, N = Nickel plated, L = Longtime gold plated, H = Rhodium plated		
Special Version: H = High Temperature Probe		
Receptacle: Order Number see drawing.		

Part No.	Product No.	Manufacturer	Description	Recommended Min Cent	Mounting Hole Size	Full Travel	Current Rating	Contact Resistance	Length	End Diameter
12572	F585-10B-060-L-200	Feinmetall	Spring Probes	2.54m/m	2.10m/m	5.0mm	3A	30mOhm	33.3mm	1.37mm
39231	F585.10S.050.N.200		Spring Probes							



### MATERIALS:

Plunger	Highcarbon steel. Rhodium plated
Barrel	Beryllium copper, gold plated
Spring	Music wire, gold plated
Receptacle	Beryllium copper, gold plated



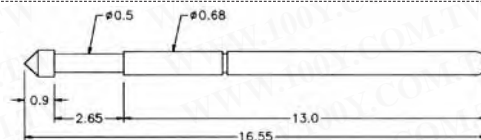
Full travel	Spring pressure (±20%)	Current rating	Contact resistance
2.0m/m	P-048BS-0606/PR-048VS-D	3.5A	50milliohms

Part No.	Product No.	Description
10742	P-048BS-0606/PR-048VS-D360	P-048 Series Precision Probes



### MATERIALS:

Plunger	Heat-treated Beryllium copper Rhodium plated over hard nickel
Barrel	Phosphor bronze, gold plated
Spring	Music wire, gold plated
Receptacle	Phosphor bronze, gold plated



Recommend Min. center	Full travel	Spring pressure (±20%)	Current rating	Contact resistance
1.27m/m	2.0m/m	55gms	3.5A	50milliohms

Part No.	Product No.	Description	Recommended Min Cent	Full Travel	Spring Pressure	Current Rating	Contact Resistance
12501	P-0H-0612	P-0 Series Precision Probes	1.27m/m	2.65m/m	120gms	3A	50milliohm

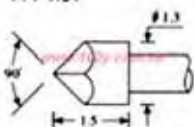


- Pin pole: Phosphor bronze, nickel-plated
- Spring: music wire
- Contact spring: 250g, (380g)
- Current rating: 5A

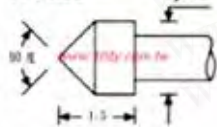


Part No.	Product No.	Description	Mounting Hole Size	Full Travel	Spring Pressure	Current Rating	Length	End Diameter
37345	P156-H	P156 series probes	2.75MM	0.8MM	250g(380g)	5A	33.35MM	2.36MM

### T11-1.3T



### T11-1.5E



- Recommended min. center: 1.9 (.0748")
- Mounting hole size: 1.35 (.0531") / 1.4 (.0551")
- Full travel: 4.2 (.0165")

### Materials and finishes:

- plunger: Be Cu, Rh plated
- Barrel: phosphor bronze, gold plated
- Spring: stainless
- Current rating: 3A
- Contact resistance: 50mΩ

Part No.	Product No.	Manufacturer	Description	Recommended Min Cent	Mounting Hole Size	Full Travel	Spring Pressure	Current Rating	Contact Resistance	Length	End Diameter
23766	T11-1.3T	T.C.P	T-11 Bare Board Probes	1.9m/m	1.4;1.45m/m	4.2m/m	150gms	3A	50milliohm	24.2m/m	1.01m/m
23767	T11-1.5E	T.C.P	T-11 Bare Board Probes	1.9m/m	1.4;1.45m/m	4.2m/m	150gms	3A	50milliohm	24.2m/m	1.01m/m

