

ST1000

ICT TEST PROBES

TIP STYLES

ST1000

Technical Specifications

Recommended Working Stroke: 4.30 mm [0.169]

Full Stroke: 6.35 mm [0.250]

Max. Current: 3 - 8 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

Spring Material: Spring Steel Gold Plated

Operating Temperature: - 30 °C up to + 120 °C
[- 22 °F up to + 248 °F]

Note: Probe Tips assembled with Plastic parts may differ!

Mounting Hole Size:

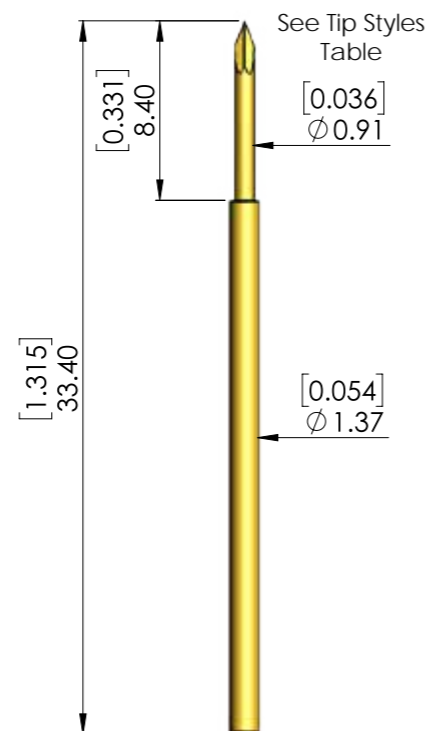
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
S	1.00	3.6
M	1.50	5.4
N	2.00	7.2
NX	2.20	7.9
LX	3.00	10.8
X	4.00	14.4

Plunger Plating	
Code	Material
No letter	Hard Gold

Plunger Material	
Code	Material
0	BeCu
5	Steel
9	Plastic

These Spring-loaded Test Probes are typically used in ICT Test Fixtures. They have high hitting accuracy and long-life expectancy, and are therefore the best solution for high-quality testing results.



Recommended Socket / Receptacle Series for ICT Test Probes ST1000 is RCP066. See Page 25 - 27 for detailed information.

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

Tool for ST1000 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	TBP10035	TBP10070

*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	Special Tip Diameter Probes Ordering Code Example
ST1000 LA 5 3 N	ST1000 CG 0 8 S SP229
a b c d e f g	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.

Tip Style	Plunger Material	Tip Diameter Code	Tip Diameter		
			mm	[inches]	
	CA	5	6	1.30	0.051
		5	7	1.50	0.059
	CB	5	4	1.06	0.042
	CC	5	4	0.50	0.020
		5	5	0.80	0.031
		5	8	1.30	0.051
		5	9	1.50	0.059
	CG	0	5	1.30	0.051
		0	6	1.50	0.059
		0	8	2.00	0.079
		0	8 / SP229/*	2.29	0.090
	DC	9	4	2.25	0.089
	EC	5	3	0.91	0.036
	ER	0	5	1.50	0.059
	FA	0	6	1.50	0.059
				Bead Probe - More data on Page 28	
	HK	0	5	1.70	0.067
	LA	5	3	0.91	0.036
		5	5	1.30	0.051
	LB	5	3	0.91	0.036
	LC	5	3	0.91	0.036
	LF	5	3	0.91	0.036
	PA	5	3	1.60	0.063
	PC	5	3	0.50	0.059
		0	4	0.64	0.025
	RA	0	5	0.91	0.036
		0	7	1.30	0.051
	RC	0	3	0.91	0.036
	SD	5	5	1.30	0.051
		5	7	1.50	0.059
	SG	5	4	1.50	0.059
	TA	0	4	1.50	0.059
	TB	0	4	1.80	0.071
	UB	5	3	0.91	0.036
	UH	5	3	0.91	0.036

* Tip Diameter Code changes according to the Tip Style.

* Special Tip Diameter Code

• Not available standard insertion / extraction tool for this tip size in default grid.

Please See Page 7 for list of Special Tools.

Socket / Receptacle Ordering Code Example	Socket / Receptacle Plating
RCP066 WR03	Code Material
x y z	No letter Hard Gold*

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.

RCP066

SOCKETS / RECEPTACLES FOR ST1000

Usage of Sockets / Receptacles

Usually Test Probes are used in Sockets / Receptacles. This enables a quick and convenient exchange of worn-out Test Probes without having to disconnect the wire connections in a Test Fixture.

Technical Specifications

Average Resistance: < 20 mΩ




Barrel Material:

Beryllium Copper / Nickel Silver

Round & Square Post: Brass / Phosphor Bronze

Mounting Hole Size:

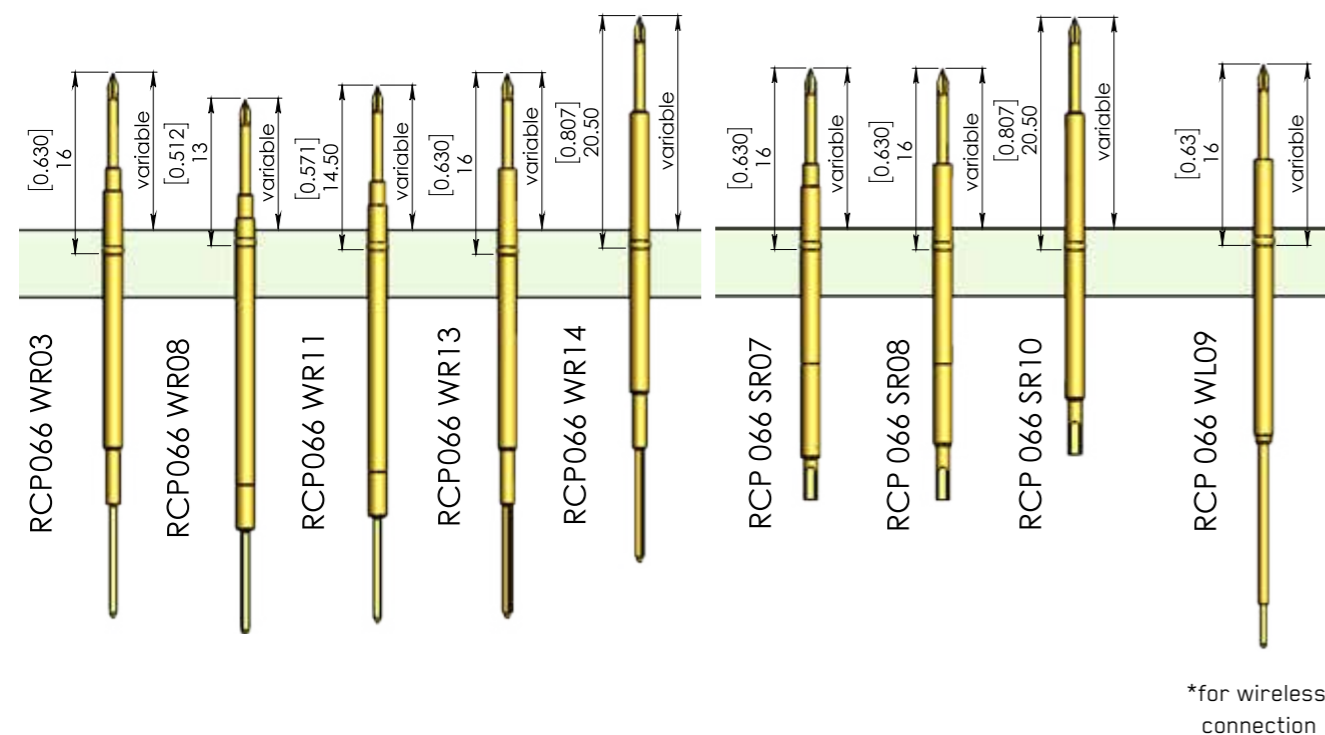
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Design	Code	Description
	WR	Wire-Wrap Square Post <input type="checkbox"/>
	WL	Wireless
	SR	Solderable

Compatible Series for RCP066:

LF1000	ST1000 Bead	IT1003 (WR13)
LF1006	ST1001	IT1004 (WR13)
ST1000	ST1006	FC1001 (WR13)

Installation Heights with different Sockets / Receptacles



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

Socket / Receptacle Ordering Code Example	Socket / Receptacle Plating	
RCP066 WR03	Code	Material
x y z	No letter	Hard Gold*
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.		

SOCKETS / RECEPTACLES FOR ST1000

RCP066

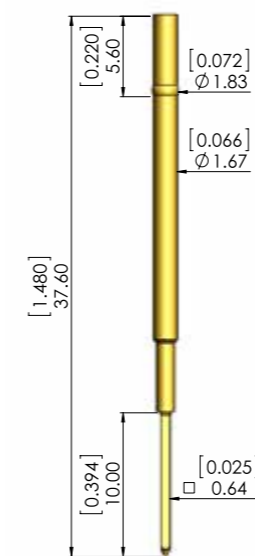
Type Information and Installation Height Data with inserted Test Probes ST1000*

RCP066 WR03

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring
vacuum sealed

Plating: Hard Gold

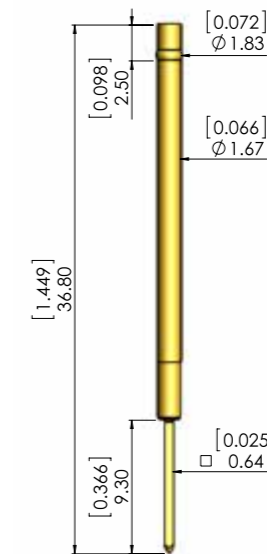


RCP066 WR08

Installation Height

- Fixed: 13.00 mm [0.512]
- Variable: variable
- Feature: press - ring
vacuum sealed

Plating: Hard Gold

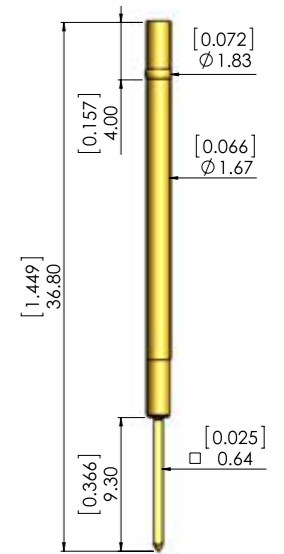


RCP066 WR11

Installation Height

- Fixed: 14.50 mm [0.571]
- Variable: variable
- Feature: press - ring
vacuum sealed

Plating: Hard Gold

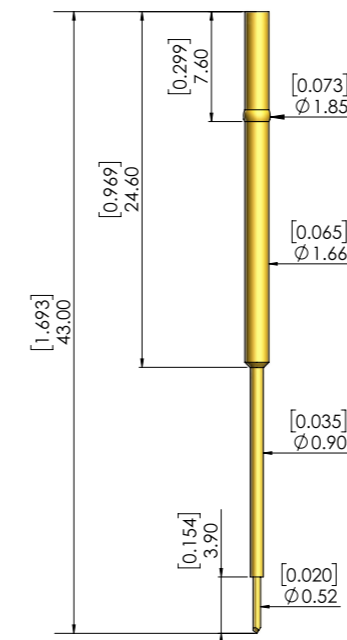


RCP066 WL09

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring
vacuum sealed

Plating: Hard Gold

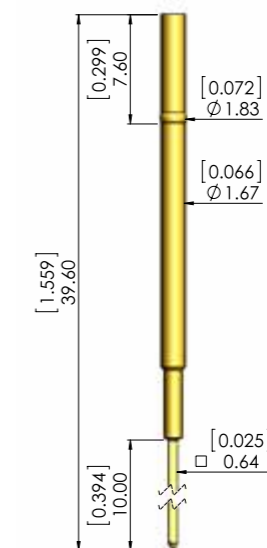


RCP066 WR13

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring
vacuum sealed

Plating: Hard Gold

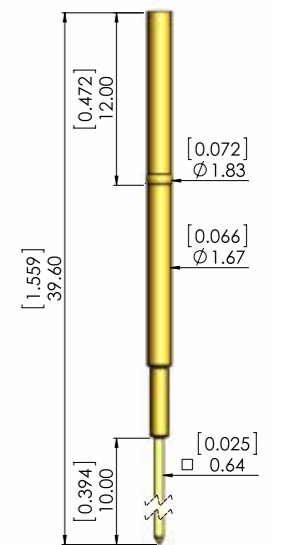


RCP066 WR14

Installation Height

- Fixed: 20.50 mm [0.807]
- Variable: variable
- Feature: press - ring

Plating: Hard Gold



RCP066

SOCKETS / RECEPTACLES FOR ST1000

BEAD PROBES

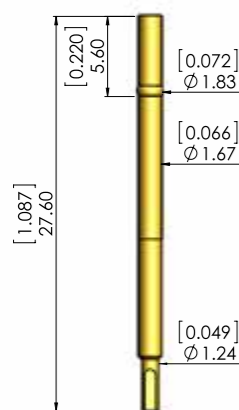
ST1000

RCP066 SR07

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring

Plating: Hard Gold

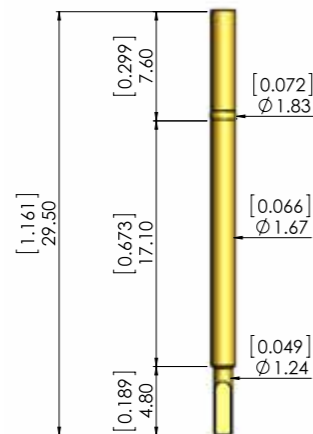


RCP066 SR08

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring

Plating: Hard Gold

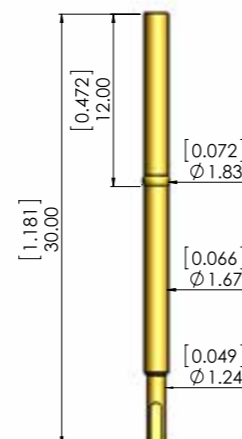


RCP066 SR10

Installation Height

- Fixed: 20.50 mm [0.807]
- Variable: variable
- Feature: press - ring

Plating: Hard Gold



Technical Specifications

Recommended Working Stroke: 4.30 mm [0.169]

Full Stroke: 6.35 mm [0.250]


Max. Current: 3 - 8 A (continuous)

Average Resistance: max. 20 mΩ

Operating Temperature: - 30 °C up to + 120 °C
[- 22 °F up to + 248 °F]

Spring Force at Working Stroke (2/3)		Plunger Material	
Code	Rated force (N)	Code	Material
M	1.50	0	BeCu
N	2.00		
LX	3.00		

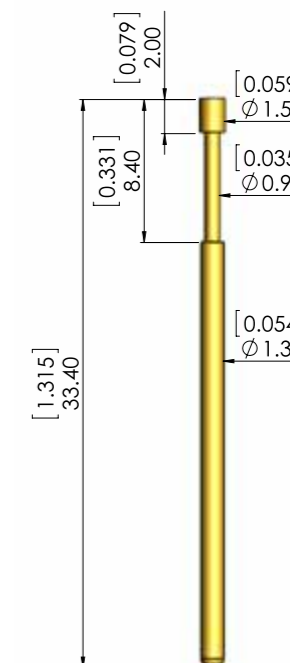
Plunger Plating	
Code	Material
No letter	Hard Gold

Tip Style	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	FA	0	1.50	0.059




*Other Tip Styles available on request.

Recommended Socket / Receptacle Series for **Bead Probes** ST1000 is RCP066. See Page 25 - 27 for detailed information.

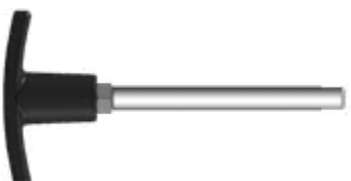
These Spring-loaded Test Probes are typically used in ICT Test Fixtures for PCBs that have been manufactured with the bead probe technology (i.e. the application of small solder beads on the conductor line surfaces and for micro-vias.



Tool for RCP066 Sockets / Receptacles Contains Tool Handle + Exchangeable Bit(s) - has to be chosen*

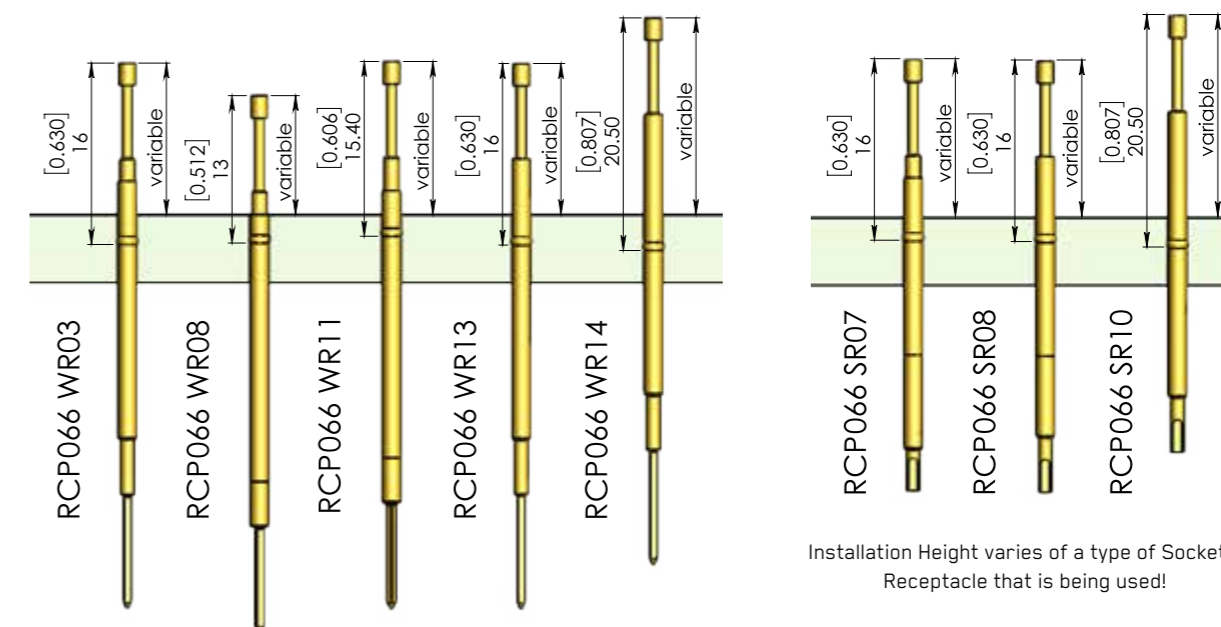
Tool Handle w. shaft	Insertion Bits	
	Universal Pressing Bit	Customized Pressing Bit
		
TH1	TBP10000	TBR10035

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

Tool Handle w. shaft	Extraction Bit
	
TH2	TBR10070

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

Installation Heights with different Sockets / Receptacles



Installation Height varies of a type of Socket / Receptacle that is being used!

Socket / Receptacle Ordering Code Example

RCP066 SR07

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 PD Code. Fill position y: only if different.

Socket / Receptacle Plating

Code	Material
No letter	Hard Gold*

Test Probes Ordering Code Example

ST1000 FA 06 N

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

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

ST1001

ICT TEST PROBES

TIP STYLES

ST1001

Technical Specifications

Recommended Working Stroke: 4.30 mm [0.169]

Full Stroke: 6.35 mm [0.250]

Max. Current: 3 - 8 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

Spring Material: Spring Steel Gold Plated

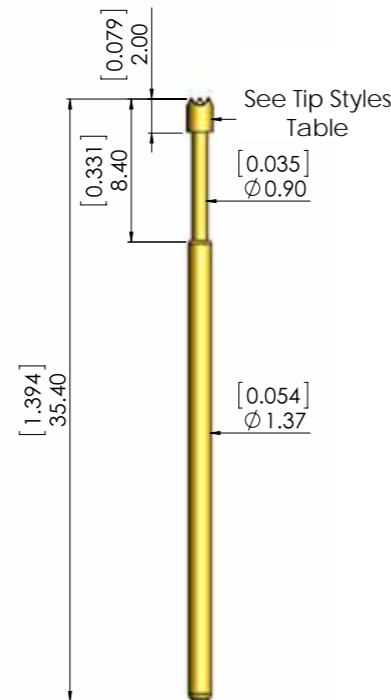
Operating Temperature: - 30 °C up to + 120 °C
[- 22 °F up to + 248 °F]

Note: Probe Tips assembled with Plastic parts may differ!

Mounting Hole Size:

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

The series ST1001 is an extended version of the Test Probes series ST1000, and are therefore also typically used in ICT Test Fixtures. They have high hitting accuracy and long-life expectancy, and are therefore the best solution for high-quality testing results.



Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
M	1.50	5.4
N	2.00	7.2
LX	3.00	10.8

Plunger Material	
Code	Material
0	BeCu
5	Steel
9	Plastic

Plunger Plating	
Code	Material
No letter	Hard Gold

Recommended Socket / Receptacle Series for ICT Test Probes ST1001 is RCP066. See Page 25 - 27 for detailed information.

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

Tool for ST1001 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	TBP10035	TBP10070

*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



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 1000]

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

Tip Style	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	CA	5	4	1.30 0.051
	CC	5	3	0.50 0.020
		5	7	1.30 0.051
	CG	0	5	1.50 0.059
		0	6	2.00 0.079
	DC	9	3	2.25 0.089

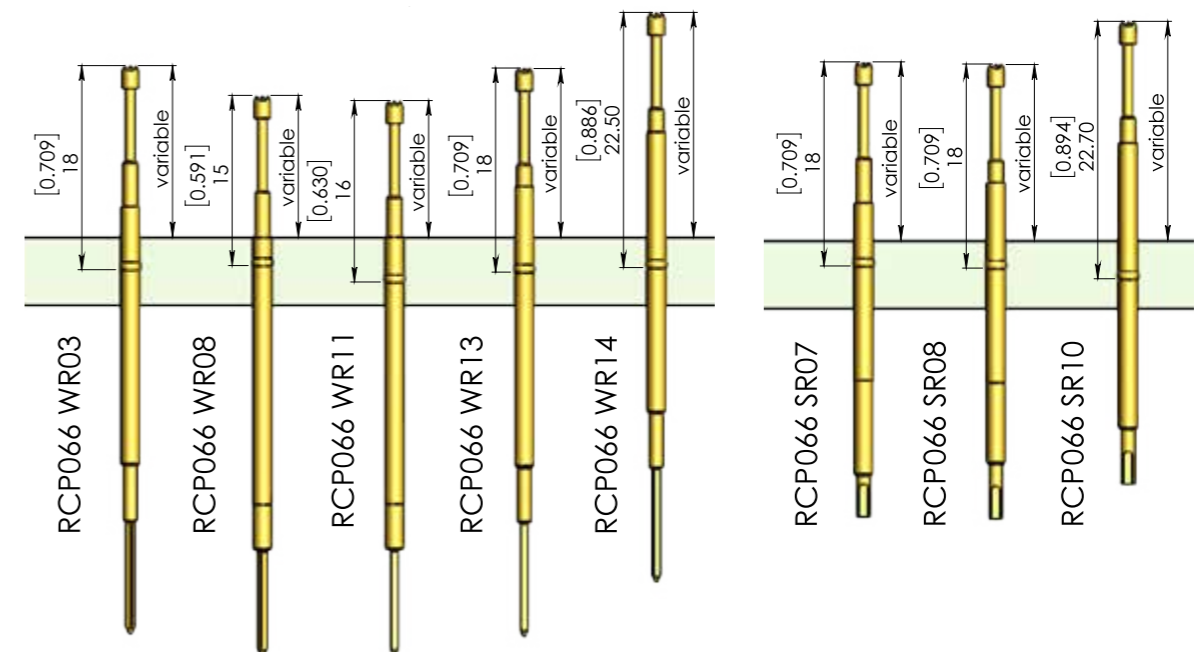
≡ Tip Diameter Code changes according to the Tip Style.

Tip Style	Plunger Material	Tip Diameter Code	Tip Diameter	
			mm	[inches]
	ER	0	4	1.50 0.059
		0	5	1.70 0.067
	1LA	5	3	0.90 0.035
	SG	5	3	1.50 0.059
	TA	0	3	1.50 0.059

● Not available standard insertion / extraction tool for this tip size in default grid.

Please See Page 7 for list of Special Tools.

Installation Heights with different Sockets / Receptacles



For detailed Sockets / Receptacles for ST1001 See Page 25 - 27.

Installation Height varies of a type of Socket / Receptacle that is being used!

≡ Socket / Receptacle Ordering Code Example



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*

ST1006

ICT / FCT TEST PROBES

TIP STYLES

ST1006

Technical Specifications

Recommended Working Stroke: 9.3 mm [0.366]

Full Stroke: 11.7 mm [0.461]

Max. Current: 3 - 8 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

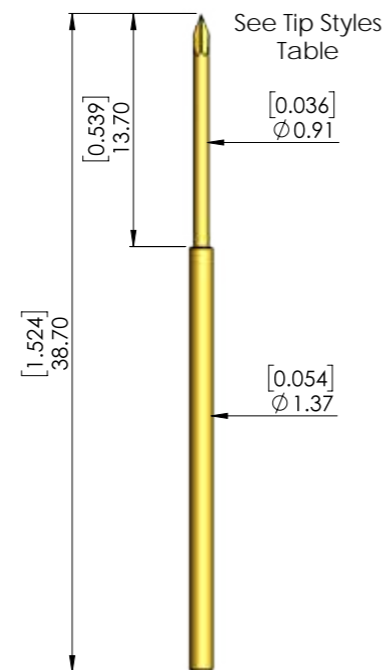
Spring Material: Spring Steel Gold Plated

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.^A

Series ST1006 is a long-stroke version of Test Probe series ST1000. Therefore this probe is an excellent choice for usage in so-called „dual-stage“ (i.e. combined ICT and FCT test) Fixtures. Despite the longer stroke the Probe still offers precise hitting accuracy and long-life expectancy.



Recommended Socket / Receptacle Series for
ICT Test Probes ST1006 is **RCP066**.
See **Page 25 - 27** for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
M	1.50	5.4
N	2.00	7.2
LX	3.00	10.8

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

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

Tool for ST1006 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	TBP10035	TBP10070

*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

ST1006 **LA53N**

a b c d e f g

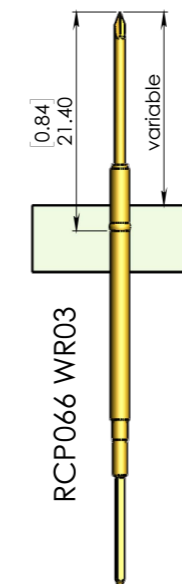
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Style	Plunger Material	Tip Diameter Code	Tip Diameter		
			mm	[inches]	
	CC	5	3	0.50	0.020
		5	7	1.30	0.051
		5	8	1.50	0.059
	CG	0	3	1.30	0.051
		0	4	1.50	0.059
	ER	0	3	1.50	0.059
	LA	5	3	0.91	0.036
	SG	5	2	1.30	0.051
	TA	0	3	1.30	0.051

≡ Tip Diameter Code changes according to the Tip Style.

Installation Height



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

For detailed Sockets / Receptacles for ST1006 See Page 25 - 27.

≡ Socket / Receptacle Ordering Code Example

RCP066 **WR03**

x y z

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

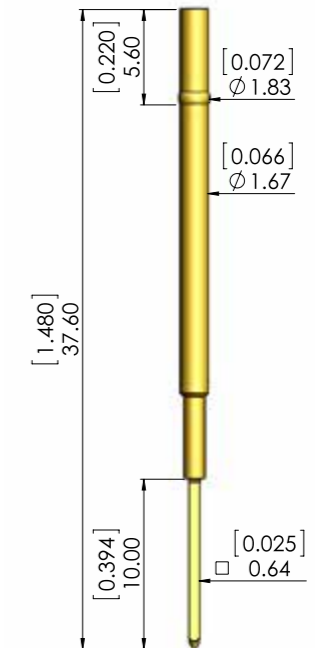
By default Socket / Receptacle is Hard Gold plated and it is not marked in the PO Code. Fill position y: only if different.

RCP066 WR03

Installation Height

- Fixed: 19.70 mm [0.780]
- Variable: variable
- Feature: press - ring
vacuum sealed

Plating: Hard Gold



ST750

ICT TEST PROBES

TIP STYLES

ST750

Technical Specifications

Recommended Working Stroke: 4.30 mm [0.169]

Full Stroke: 6.35 mm [0.250]

Max. Current: 3 - 4 A (continuous)

Average Resistance: < 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

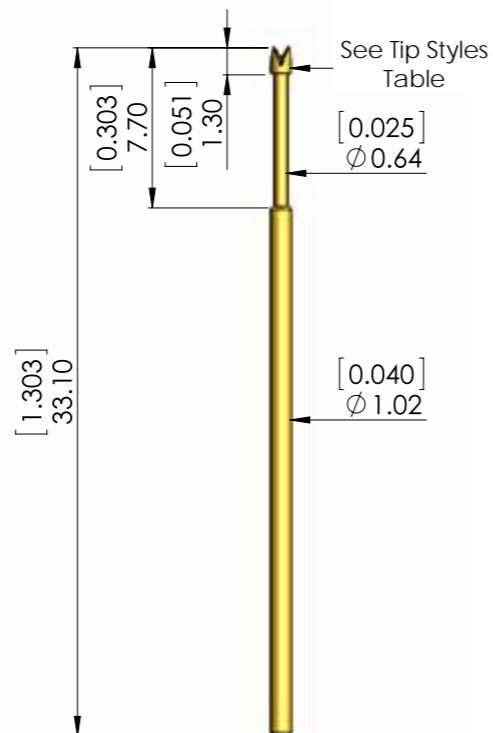
Spring Material: Spring Steel Gold Plated

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.^A

These Spring-loaded Test Probes are typically used in ICT Test Fixtures. They have high pointing accuracy and long-life expectancy.



Recommended Socket / Receptacle Series for ICT Test Probes ST750 is RCP052. See Page 35 - 36 for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
US	0.60	2.2
S	1.00	3.6
M	1.50	5.4
N	2.00	7.2
X	2.80	10.1

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

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

Tool for ST750 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	TBP7500	TBP7535	TBP7570

*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



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.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	CA	5	8	1.15 0.045
	CB	5	5	1.00 0.039
	CC	5	4	0.50 0.020
		5	5	0.64 0.025
	EC	5	3	0.64 0.025
	ER	5	3	0.64 0.025
	HK	5	3	1.20 0.047
	LA	5	3	0.64 0.025

≡ Tip Diameter Code changes according to the Tip Style.

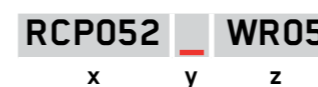
Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	LB	5	3	0.64 0.025
	LC	5	3	0.64 0.025
	RA	0	4	0.64 0.025
	SG	5	3	1.20 0.047
	TA	0	5	1.20 0.047
	UB	5	3	0.64 0.025
	UH	5	3	0.64 0.025

Tool for RCP052 Sockets / Receptacles Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*			
Tool Handle w. shaft	Insertion Bits		Extraction Bit
	Universal Pressing Bit	Customized Pressing Bit	
TH1	TBP7500	TBR7535	TBR7570

*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



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*

ST750

ST750

ICT - 75 Mil / 1.91 mm

ICT - 75 Mil / 1.91 mm

ACTUAL SIZE

ACTUAL SIZE

RCP052

SOCKETS / RECEPTACLES FOR ST750

Usage of Sockets / Receptacles

Usually Test Probes are used in Sockets / Receptacles. This enables a quick and convenient exchange of worn-out Test Probes without having to disconnect the wire connections in a Test Fixture.

Technical Specifications

Average Resistance: < 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver




Round & Square Post: Brass / Phosphor Bronze

Mounting Hole Size:

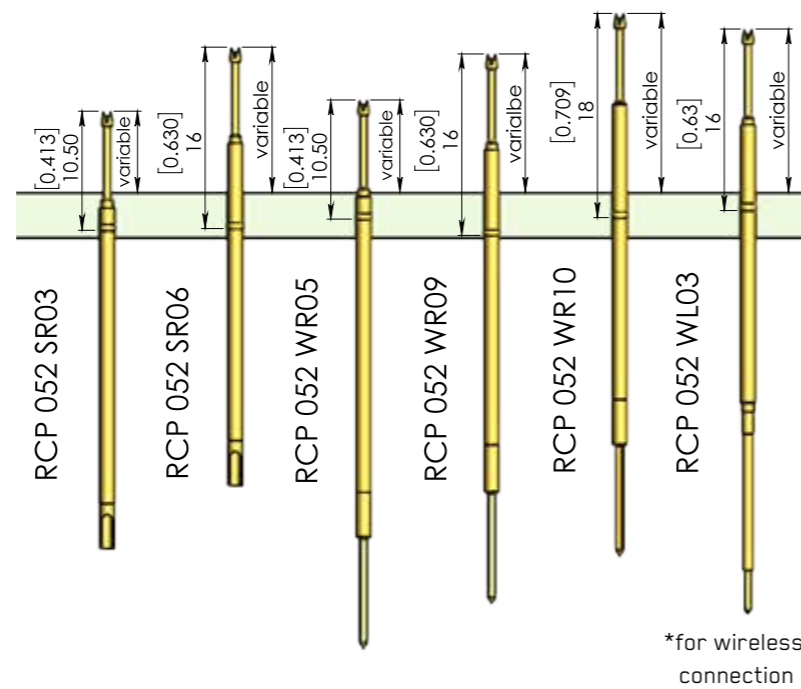
Socket / Receptacle Diameter + 0.01 - 0.03 mm
[0.394 - 1.181 mil] drill bits are recommended.^A

Compatible Series for RCP052:

LF750 ST751
LF753 ST753
ST750 ST754





Design	Code	Description
	WR	Wire-Wrap Square Post <input type="checkbox"/>
	WL	Wireless
	SR	Solderable

Installation Heights with different Sockets / Receptacles



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

Tool for RCP052 Sockets / Receptacles Contains Tool Handle + Exchangeable Bit(s)*

Tool Handle w. shaft	Insertion Bits		Extraction Bit
	Universal Pressing Bit	Customized Pressing Bit	
			
TH1	TBP7500	TBR7535	TBR7570

*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

RCP052 WR05

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 PD Code. Fill position y: only if different.

Socket / Receptacle Plating

Code Material
No letter Hard Gold*

SOCKETS / RECEPTACLES FOR ST750

RCP052

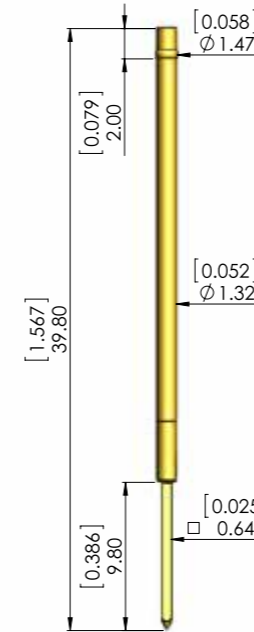
Type Information and Installation Height Data with inserted Test Probes ST750*

RCP052 WR05

Installation Height

- Fixed: 10.50 mm [0.414]
- Variable: variable
- Feature: press - ring
vacuum sealed

Plating: Hard Gold

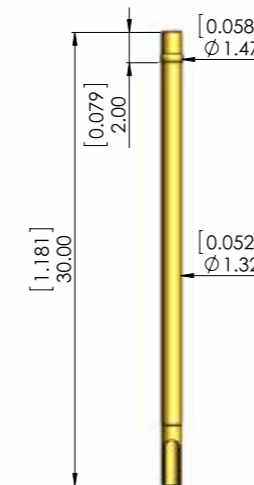


RCP052 SR03

Installation Height

- Fixed: 10.50 mm [0.414]
- Variable: variable
- Feature: press - ring

Plating: Hard Gold

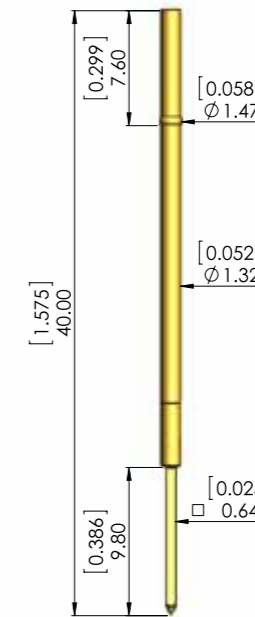


RCP052 WR09

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring
vacuum sealed

Plating: Hard Gold

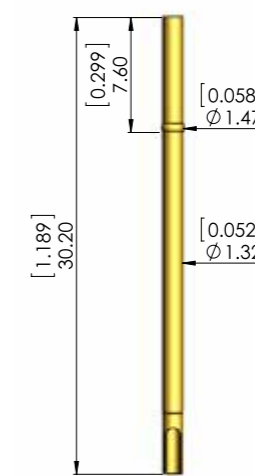


RCP052 SR06

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring

Plating: Hard Gold

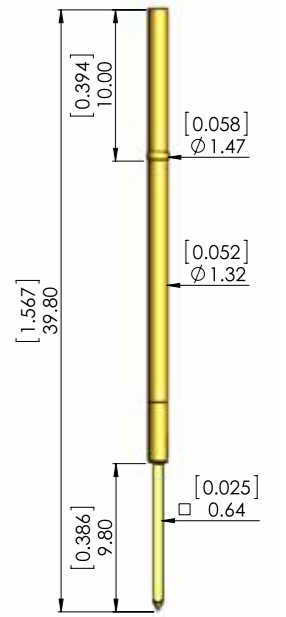


RCP052 WR10

Installation Height

- Fixed: 18.00 mm [0.709]
- Variable: variable
- Feature: press - ring
vacuum sealed

Plating: Hard Gold

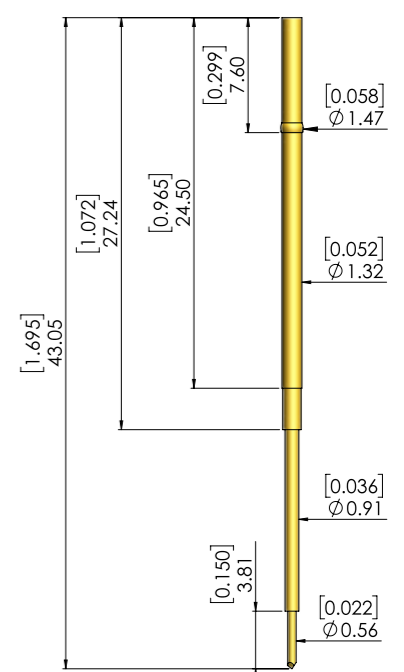


RCP052 WL03

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring

Plating: Hard Gold



ST751

ICT TEST PROBES

TIP STYLES

ST751

Technical Specifications

Recommended Working Stroke: 4.30 mm [0.169]

Full Stroke: 6.35 mm [0.250]

Max. Current: 3 - 4 A (continuous)

Average Resistance: < 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

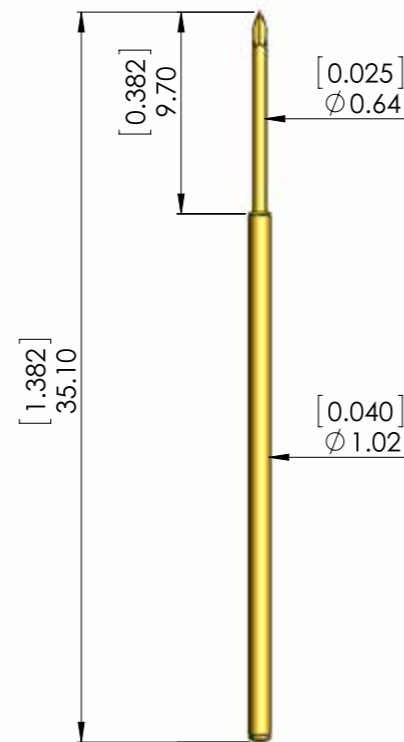
Spring Material: Spring Steel Gold Plated

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.^A

The series ST751 is a longer version of the Test Probes series ST750, and are typically used in ICT Test Fixtures. They have high pointing accuracy and long-life expectancy.



Recommended Socket / Receptacle Series for
ICT Probe ST751 is RCP052.
See Page 35 - 36 for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
S	1.00	3.6
M	1.50	5.4
N	2.00	7.2
X	2.80	10.1

Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

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

Tool for ST751 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	TBP7500	TBP7535	TBP7570

*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

ST751 1LA 53 N

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]

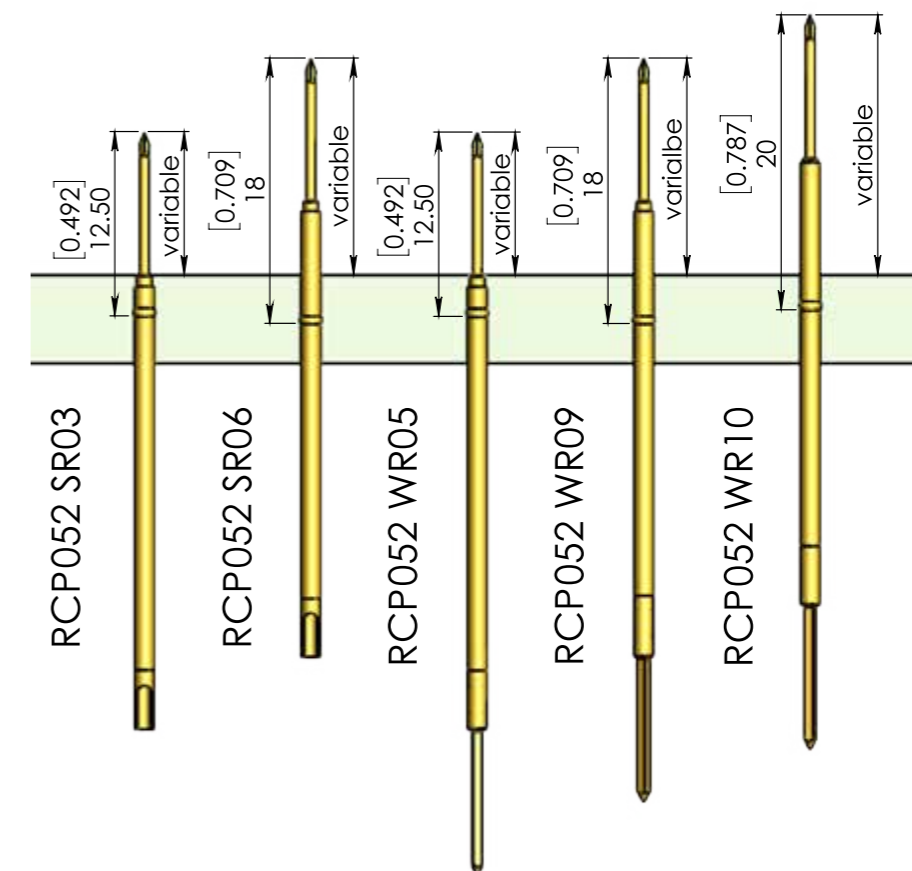
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	5	3	0.64	0.025
	5	3	0.64	0.025

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Installation Heights with different Sockets / Receptacles



Installation Height varies of a type of Socket / Receptacle that is being used!

For detailed Sockets / Receptacles for ST751 See Page 35 - 36.

Socket / Receptacle Ordering Code Example

RCP052 WR05

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.

Socket / Receptacle Plating

Code	Material
No letter	Hard Gold*

ST753

ICT /FCT TEST PROBES

TIP STYLES

ST753

Technical Specifications

Recommended Working Stroke: 8.00 mm [0.315]

Full Stroke: 10.00 mm [0.394]

Max. Current: 3 - 4 A (continuous)

Average Resistance: < 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

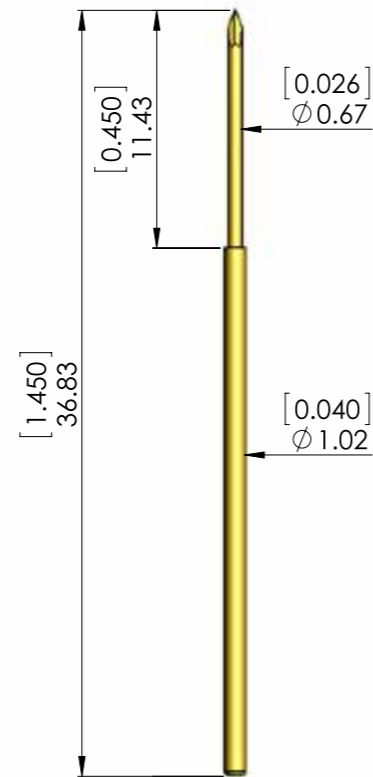
Spring Material: Spring Steel Gold Plated

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.^A

Series ST753 is a long-stroke version of Test Probe series ST750. Therefore this probe is an excellent choice for usage in so-called „dual-stage“ (i.e. combined ICT and FCT test) Fixtures. Despite the longer stroke the Probe still offers precise hitting accuracy and long-life expectancy.



Recommended Socket / Receptacle Series for
ICT / FCT Test Probes ST753 is RCP052.
See Page 35 - 36 for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
N	1.2	4.3

Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

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

Tool for ST753 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	TBP7500	TBP7535	TBP7570

*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

ST753 LA53 N

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]

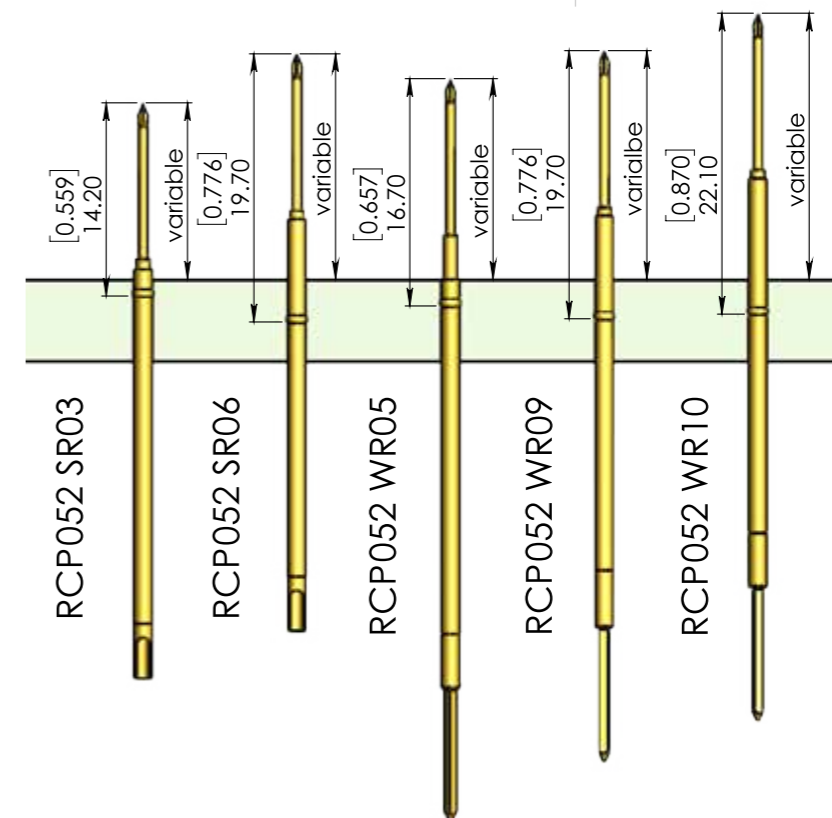
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	5	3	0.67	0.026

≡ Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Installation Heights with different Sockets / Receptacles



Installation Height varies of a type of Socket / Receptacle that is being used!

For detailed Sockets / Receptacles for ST753 See Page 35 - 36.

≡ Socket / Receptacle Ordering Code Example

RCP052 WR05

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.

Socket / Receptacle Plating

Code	Material
No letter	Hard Gold*

ST754

ICT / FCT TEST PROBES

TIP STYLES

ST754

Technical Specifications

Recommended Working Stroke: 8 mm [0.314]

Full Stroke: 10 mm [0.393]

Max. Current: 3 - 4 A (continuous)

Average Resistance: < 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

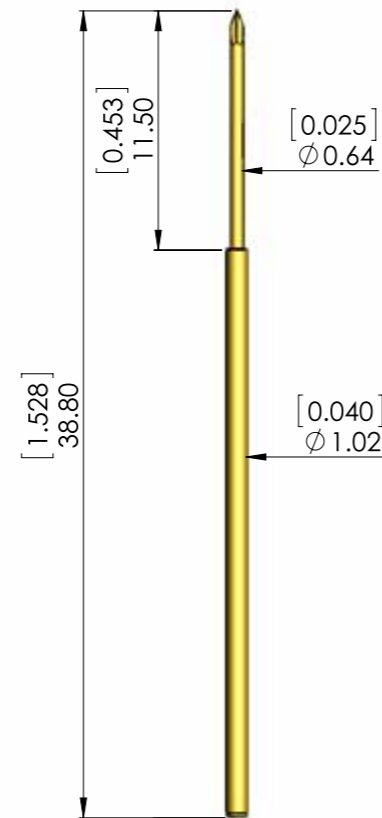
Spring Material: Spring Steel Gold Plated

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.^A

The series ST754 is long-stroke version of the Test Probe series ST750. These Spring-loaded Test Probes are typically used in ICT Test Fixtures. They have high pointing accuracy and long-life expectancy.



Recommended Socket / Receptacle Series for
ICT / FCT Test Probes ST754 is RCP052.
See Page 35 - 36 for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
N	1.2	4.3

Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

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

Tool for ST754 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	TBP7500	TBP7535	TBP7570

*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

ST754 LA53N

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]

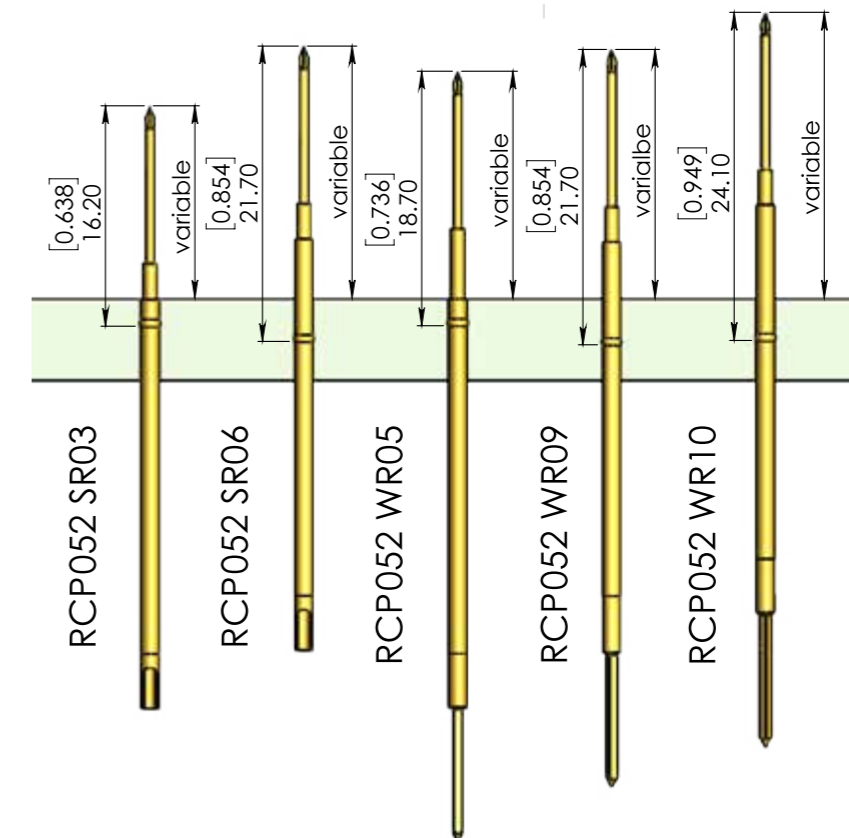
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	LA	5	3	0.64 0.025

≡ Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Installation Heights with different Sockets / Receptacles



Installation Height varies of a type of Socket / Receptacle that is being used!

For detailed Sockets / Receptacles for ST754 See Page 35 - 36.

≡ Socket / Receptacle Ordering Code Example

RCP052 WR05

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.

Socket / Receptacle Plating

Code	Material
No letter	Hard Gold*

ST500

ICT TEST PROBES

TIP STYLES

ST500

Technical Specifications

Recommended Working Stroke: 4.30 mm [0.169]

Full Stroke: 6.35 mm [0.250]

Max. Current: 2 - 3 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

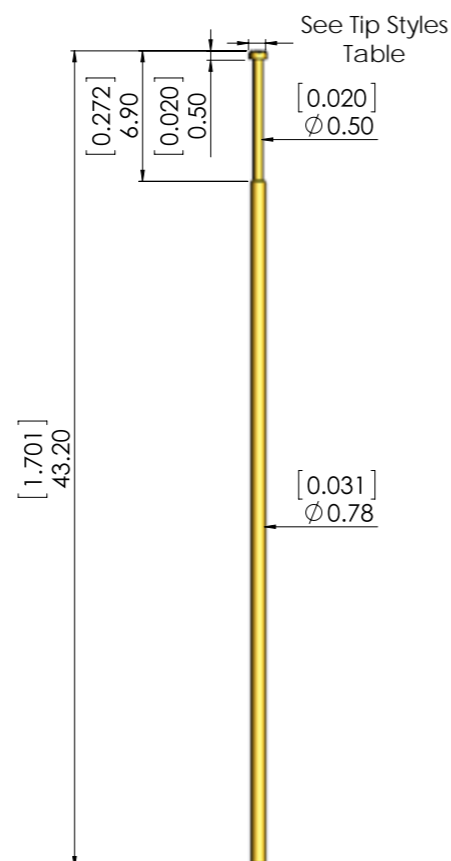
Spring Material: Spring Steel Gold Plated

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.^A

These spring-loaded Test Probes are typically used in ICT Test Fixtures. They have high pointing accuracy and long-life expectancy.



Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
S	1.00	3.6
M	1.50	5.4
L	2.00	7.2

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

Recommended Socket / Receptacle Series for ICT Test Probes ST500 is RCP037. See Page 47 - 48 for detailed information.

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

Tool for ST500 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	TBP7500	TBP5035	TBP5070

*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

ST500 **CG** **04** **M**

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.

Tip Style Name	Plunger Material	Tip Diameter Code	Diameter in	
			mm	[inches]
	CC	5	3	0.50 0.020
	CG	0	4	0.90 0.035
	LA	5	3	0.50 0.020
	LB	5	3	0.50 0.020

Tip Diameter Code changes according to the Tip Style.

Socket / Receptacle Ordering Code Example

RCP037 **SR03**

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.

Pre Wired (VR) Socket / Receptacle Ordering Code Example

RCP037 **VR03** **3** **0** **35**

x y z w1 w2 w3

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

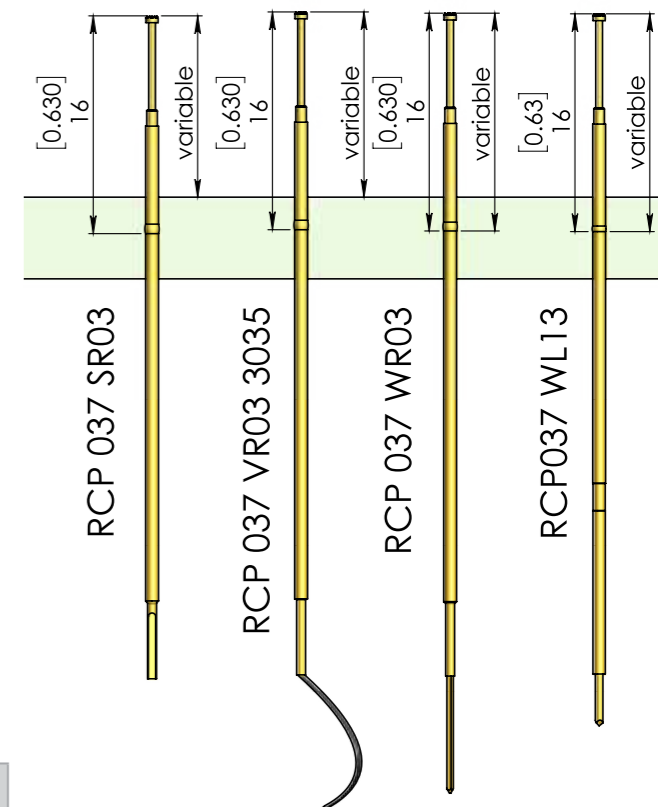
• w1: Wire Diameter • w2: Colour • w3: Length

w1: Wire Diameter Code			
	AWG	mm	[inches]
3	30	0.26	0.010

w2: Wire Colour	
0	Black
Other length and colors available on request.	

w3: Wire Length
Wire length is given in inches.
Conversion Example: 35 in = approx. 900 mm

Installation Heights with different Sockets / Receptacles



Installation Height varies of a type of Receptacle / Socket that is being used!

For detailed Sockets / Receptacles for ST500 See Page 47 - 48.

Tool for RCP037 Sockets / Receptacles Contains: Tool Handle + Exchangeable Bit(s) - has to be chosen*

	Handle TH1
	Universal Pressing Bit TBP7500
	Customized Pressing Bit TBR5035
	Extraction Bit TBR5070

*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)

ST501

ICT / FCT TEST PROBES

TIP STYLES

ST501

Technical Specifications

Recommended Working Stroke: 8.00 mm [0.315]

Full Stroke: 10.00 mm [0.394]

Max. Current: 2 - 3 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

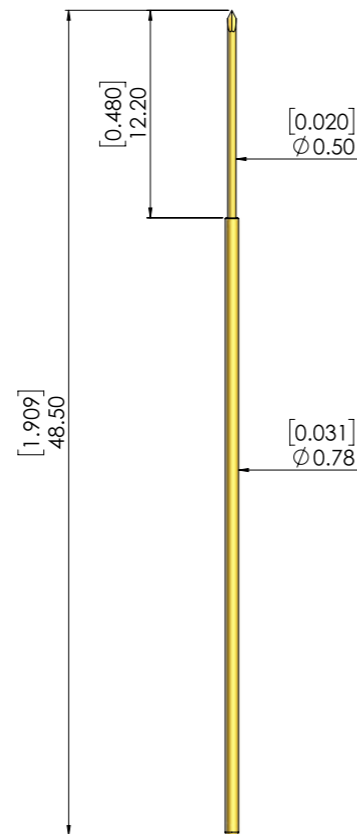
Spring Material: Spring Steel Gold Plated

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.^A

Series ST501 is a long-stroke version of Test Probe series ST500. Therefore this probe is an excellent choice for usage in so-called „dual-stage“ (i.e. combined ICT and FCT test) Fixtures. Despite the longer stroke the Probe still offers precise hitting accuracy and long-life expectancy.



Recommended Socket / Receptacle Series for
ICT Test Probes ST501 is RCP037.
See Page 47 - 48 for detailed information.

Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
S	1.00	3.6
M	1.50	5.4
L	2.00	7.2

Plunger Material	
Code	Material
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

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

Tool for ST501 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	TBP7500	TBP5035	TBP5070

*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

ST501 LA53L

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.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	5	3	0.50	0.020

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Socket / Receptacle Ordering Code Example

RCP037 SR03

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.

Pre Wired (VR) Socket / Receptacle Ordering Code Example

RCP037 VR03 3 0 35

x y z w1 w2 w3

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

w1: Wire Diameter • w2: Colour • w3: Length

w1: Wire Diameter Code		
AWG	mm	[inches]
3	30	0.26
		0.010

w2: Wire Colour	
Code	Colour
0	Black

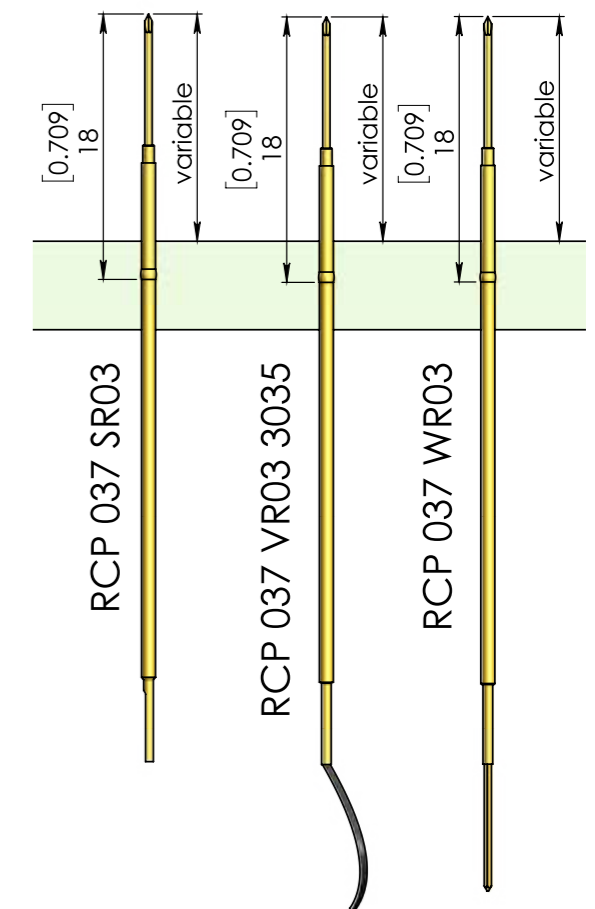
Other length and colors available on request.

w3: Wire Length

Wire length is given in inches.

Conversion Example:
35 in = approx. 900 mm

Installation Heights with different Sockets / Receptacles



Installation Height varies of a type of Socket / Receptacle that is being used!

For detailed Sockets / Receptacles for ST500 See Page 47 - 48.

Tool for RCP037 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)

RCP037

SOCKETS / RECEPTACLES FOR ST500

Usage of Sockets / Receptacles

Usually Test Probes are used in Sockets / Receptacles. This enables a quick and convenient exchange of worn-out Test Probes without having to disconnect the wire connections in a Test Fixture.

Technical Specifications

Average Resistance: < 20 mΩ






Barrel Material:

Beryllium Copper / Nickel Silver

Round & Square Post: Brass / Phosphor Bronze

Mounting Hole Size:

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

Design	Code	Options
	WR	Wire Wrap Square Post <input type="checkbox"/>
	VR	Pre-wired with Kynar Wire
	CR	Crimp
	SR	Solderable
	WL	Wireless

Compatible Series for RCP037:

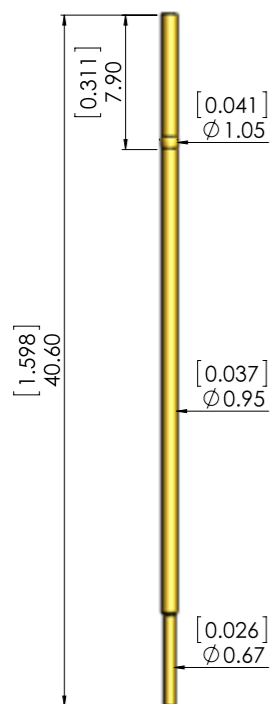
LF500 LF501 ST500 ST501

Type Information and Installation Height Data with inserted Test Probes ST500*

RCP037 CR03

Installation Height

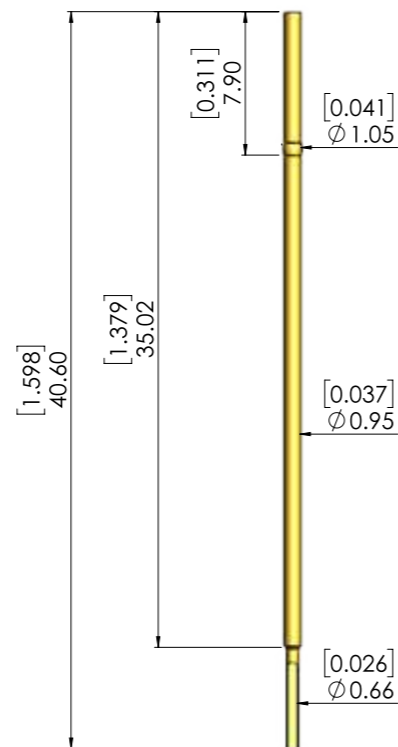
- Fixed: 16.00 mm [0.630]
 - Variable: variable
 - Feature: press - ring
- Plating:** Hard Gold



RCP037 SR03

Installation Height

- Fixed: 16.00 mm [0.630]
 - Variable: variable
 - Feature: press - ring
- Plating:** Hard Gold



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

Socket / Receptacle Ordering Code Example

RCP037 SR03

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.

RCP037 VR03

x Series • y Socket / Receptacle Plating • z Option

SOCKETS / RECEPTACLES FOR ST500

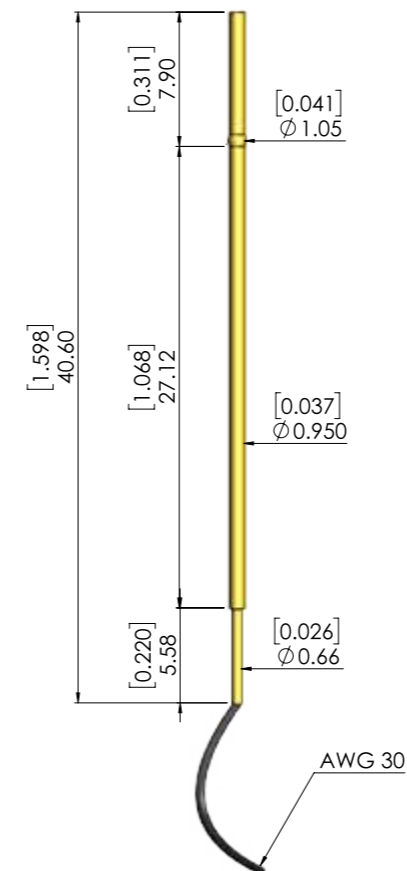
RCP037

RCP037 VR03 3035

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring vacuum sealed

Plating: Hard Gold

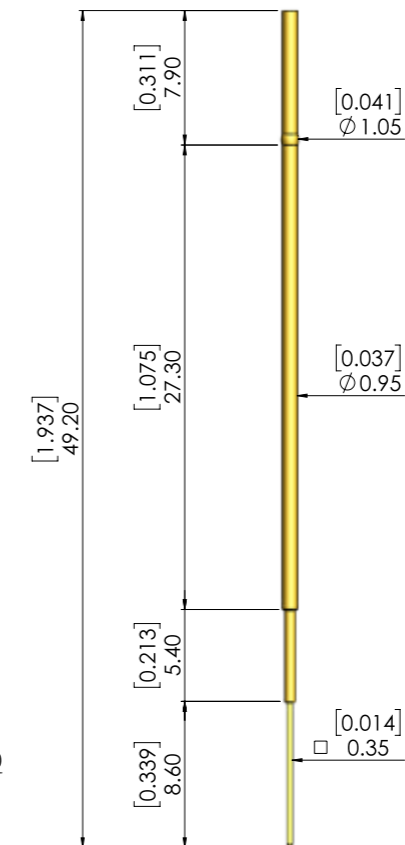


RCP037 WR03

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring vacuum sealed

Plating: Nickel Plated

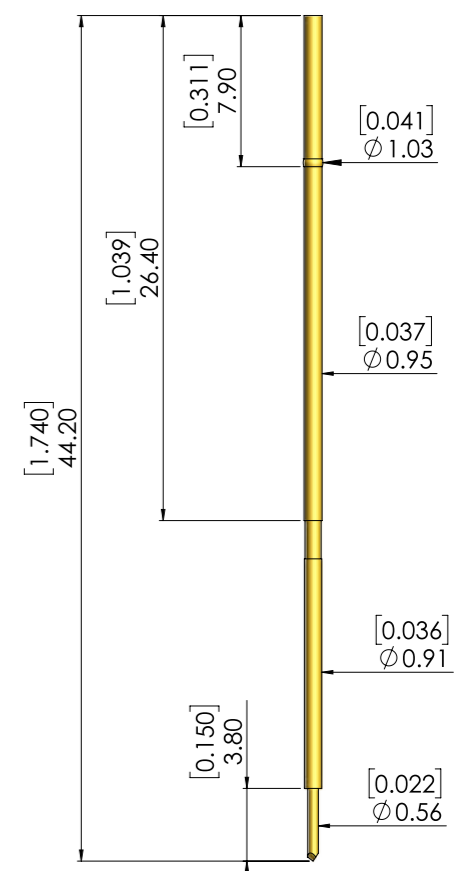


RCP037 WL13

Installation Height

- Fixed: 16.00 mm [0.630]
- Variable: variable
- Feature: press - ring vacuum sealed

Plating: Nickel Plated



Available also in double press-ring version, which offers very high stability and better pointing accuracy.

Pre Wired (VR) Socket / Receptacle Ordering Code Example

RCP037 VR03 3 0 35

x y z w1 w2 w3

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

• w1: Wire Diameter • w2: Colour • w3: Length

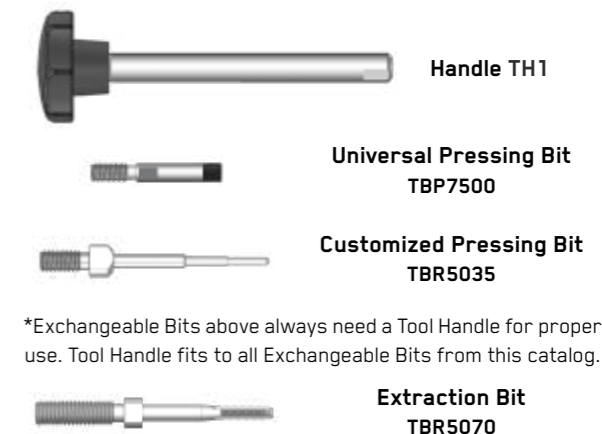
w1: Wire Diameter Code			
AWG	mm	Inches	
3	30	0.26	0.010

w2: Wire Colour	
0	Black

Other length and colors available on request.

w3: Wire Length	
Wire length is given in inches.	
Conversion Example: 35 in = approx. 900 mm	

Tool for RCP037 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)

ST400

ICT TEST PROBES

TIP STYLES

ST400

Technical Specifications

Recommended Working Stroke: 4.30 mm [0.169]

Full Stroke: 6.35 mm [0.250]

Max. Current: 3 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

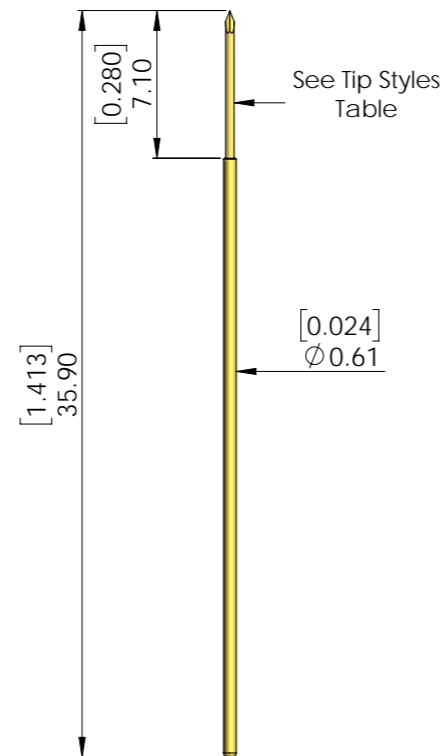
Spring Material: Spring Steel Gold Plated

Operating Temperature: - 10 °C up to + 120 °C
[- 14 °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.^A

These Spring-loaded Test Probes are typically used in ICT Test Fixtures. They have high pointing accuracy and long-life expectancy.



Spring Force at Working Stroke (2/3)		
Code	Rated force	
	(N)	[oz]
XS	0.80	2.9

Plunger Material	
Code	Material
0	BeCu
5	Steel

Plunger Plating	
Code	Material
No letter	Hard Gold

Recommended Socket / Receptacle Series for ICT Test Probes ST400 is RCP030. See Page 53 - 54 for detailed information.

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

Tool for ST400 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	TBP7500	-	-

*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

ST400 LA 5 3 XS

a b c d e f g

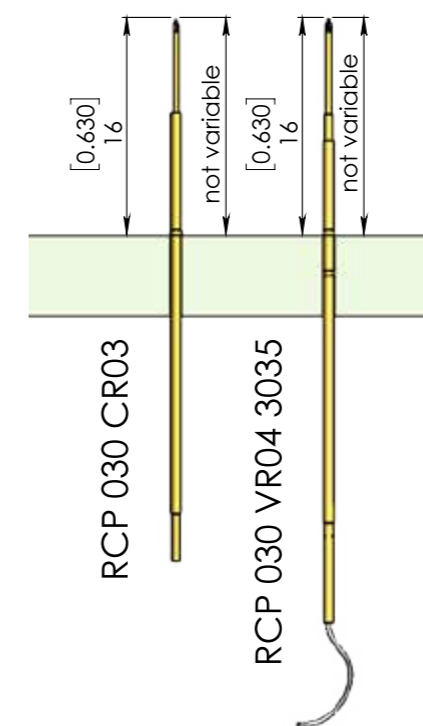
a: Series • b: Plunger Plating • c: Tip Style • d: Plunger Material • e: Tip Diameter Code • f: Spring Force Code • g: Special Tip Diameter [mm x 100]

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

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[inches]
	CA	5	3	0.40 0.016
	LA	5	3	0.40 0.016
	LB	5	3	0.40 0.016
	LC	5	3	0.40 0.016
	RA	0	3	0.40 0.016

≡ Tip Diameter Code changes according to the Tip Style.

Installation Heights with different Sockets / Receptacles



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

≡ Socket / Receptacle Ordering Code Example

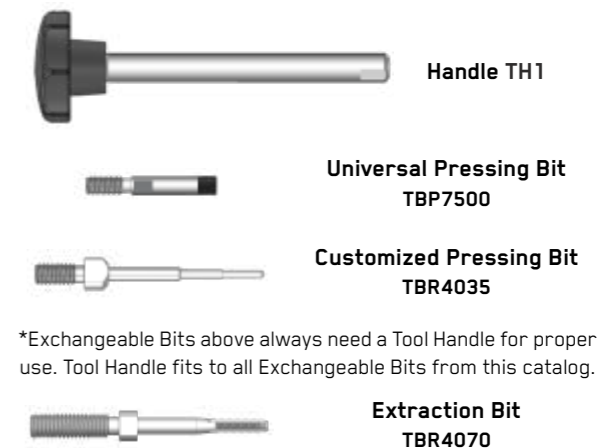
RCP030 CR03

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.

Tool for RCP030 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)

For detailed Sockets / Receptacles for ST400 See Page 53 - 54.

≡ Pre Wired (VR) Socket / Receptacle Ordering Code Example

RCP030 VR04 3 0 35

x y z w1 w2 w3

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

• w1: Wire Diameter • w2: Colour • w3: Length

* If letter X is in any place instead of digit means no information about the wire length / diameter / colour is provided.

ST401

ICT / FCT TEST PROBES

TIP STYLES

ST401

Technical Specifications

Recommended Working Stroke: 4.30 mm [0.169]

Full Stroke: 6.35 mm [0.250]

Max. Current: 2 A (continuous)

Average Resistance: max. 20 mΩ

Barrel Material:

Beryllium Copper / Nickel Silver

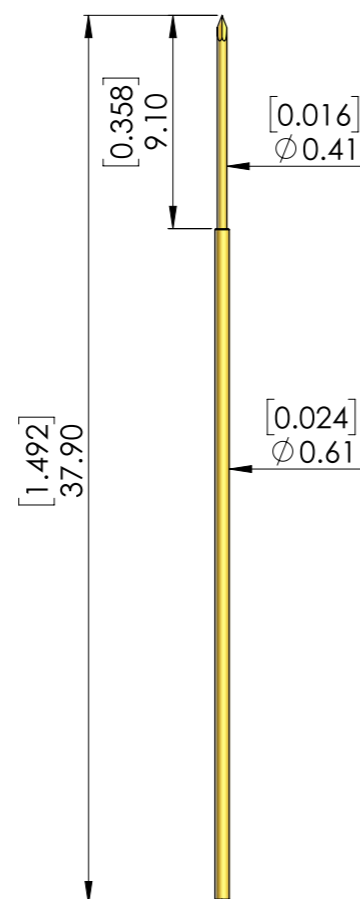
Spring Material: Spring Steel Gold Plated

Operating Temperature: - 10 °C up to + 120 °C
[- 14 °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.^A

Series ST401 is a long-stroke version of Test Probe series ST400. Therefore this probe is an excellent choice for usage in so-called „dual-stage“ (i.e. combined ICT and FCT test) Fixtures. Despite the longer stroke the Probe still offers precise hitting accuracy and long-life expectancy.



Recommended Socket / Receptacle Series for
ICT / FCT Test Probes ST401 is RCP030.
See Page 53 - 54 for detailed information.

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

Tool for ST401 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	TBP7500	-	-

*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

ST401 LA 5 3 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]

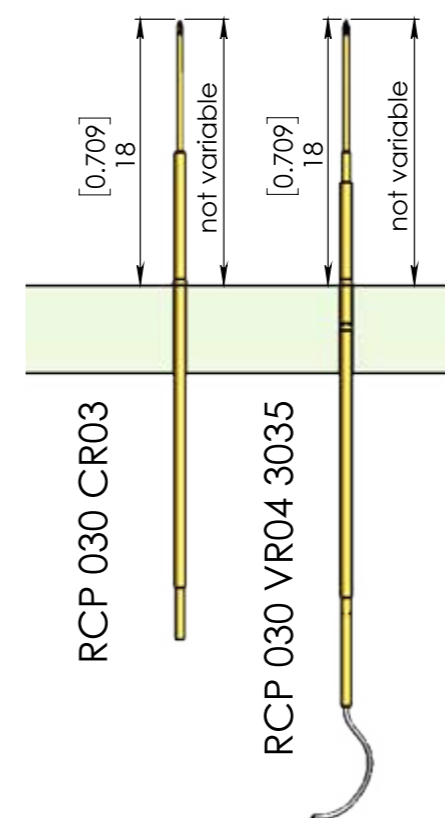
By default Plunger is Hard Gold plated and it is not marked in the PO Code. Fill position b: only if different.

Tip Style	Plunger Material	Tip Diameter Code	Diameter	
			mm	[Inches]
	LA	5	0.40	0.016

Tip Diameter Code changes according to the Tip Style.

*Other Tip Styles available on request.

Installation Height with different Sockets / Receptacles



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

For detailed Sockets / Receptacles for ST401 See Page 53 - 54.

Socket / Receptacle Ordering Code Example

RCP030 CR03

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.

Pre Wired (VR) Socket / Receptacle Ordering Code Example

RCP030 VR04 3 0 35

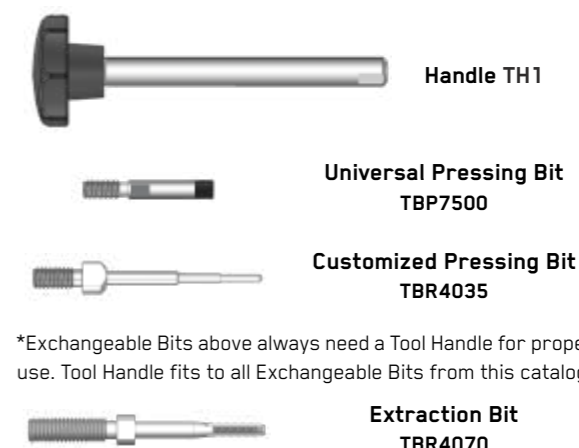
x y z w1 w2 w3

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

• w1: Wire Diameter • w2: Colour • w3: Length

* If letter X is in any place instead of digit means no information
about the wire length / diameter / colour is provided.

Tool for RCP030 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)

RCP030

SOCKETS / RECEPTACLES FOR ST400

Usage of Sockets / Receptacles

Usually Test Probes are used in Sockets / Receptacles. This enables a quick and convenient exchange of worn-out Test Probes without having to disconnect the wire connections in a Test Fixture.

Technical Specifications

Average Resistance: < 20 mΩ




Barrel Material:

Beryllium Copper / Nickel Silver

Round & Square Post: Brass / Phosphor Bronze

Mounting Hole Size:

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

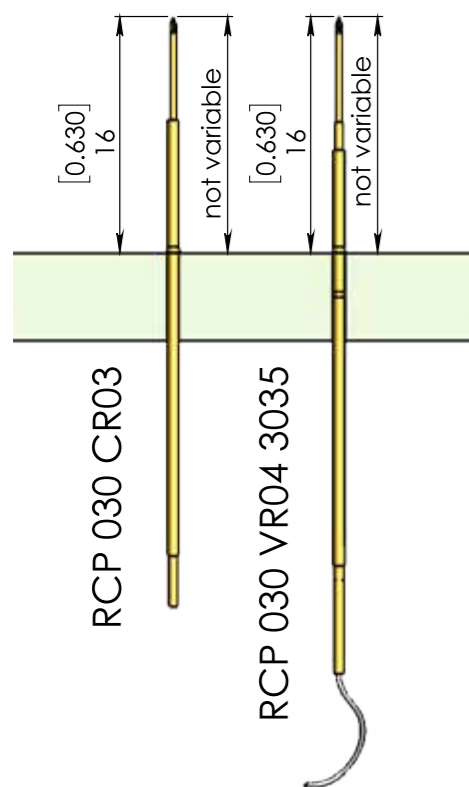
Design	Code	Options
	WR	Wire Wrap Square Post <input type="checkbox"/>
	VR	Pre-wired with Kynar Wire
	CR	Crimp

Compatible Series for RCP030:

LF400	ST400
LF401	ST401

Type Information and Installation Height Data with inserted Test Probes ST400*

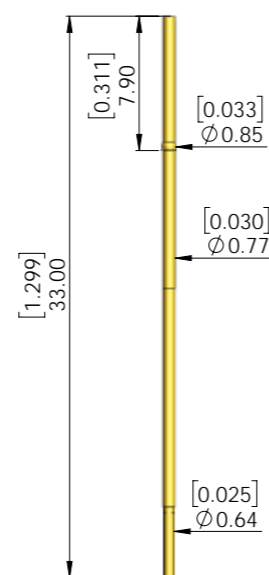
Installation Heights



RCP030 CR03

Installation Height

- Fixed: 16.00 mm [0.630]
 - Variable: variable
 - Feature: double press - ring
- Plating:** Hard Gold



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

Socket / Receptacle Ordering Code Example

RCP030 **WR03**
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 PD Code. Fill position y: only if different.

Socket / Receptacle Plating

Code	Material
No letter	Hard Gold

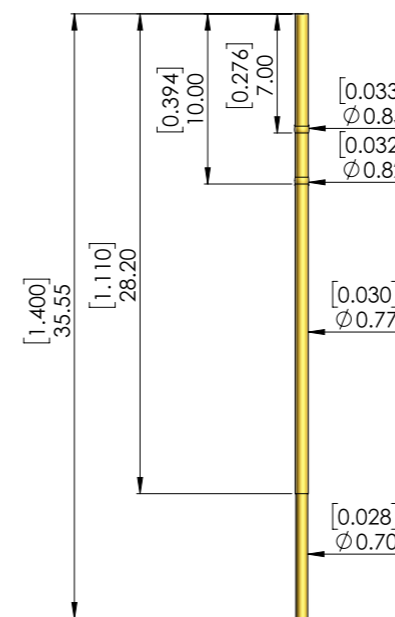
SOCKETS / RECEPTACLES FOR ST400

RCP030

RCP030 CR04

Installation Height

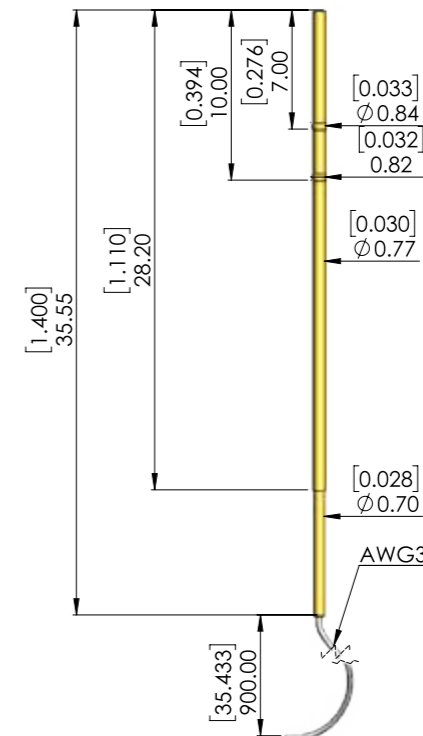
- Fixed: 16.00 mm [0.630]
 - Variable: variable
 - Feature: double press - ring
- Plating:** Hard Gold



RCP030 VR04 3035

Installation Height

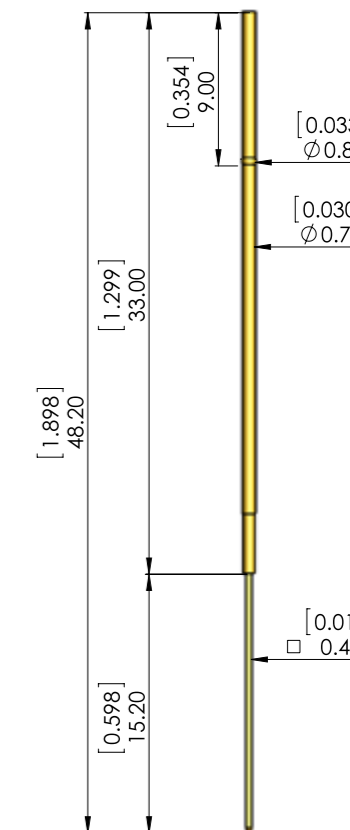
- Fixed: 16.00 mm [0.630]
 - Variable: variable
 - Feature: double press - ring vacuum sealed
- Plating:** Hard Gold



RCP030 WR03

Installation Height

- Fixed: 16.00 mm [0.630]
 - Variable: variable
- Plating:** Hard Gold



Equip, double press-ring Sockets / Receptacles offer very high stability and better pointing accuracy.

*For more Technical information about Installation Heights for other Series consult with us at: info@equip-test.com

Pre Wired (VR) Socket / Receptacle Ordering Code Example

RCP030 **VR04 3 0 35**
x y z w1 w2 w3

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

• w1: Wire Diameter • w2: Colour • w3: Length

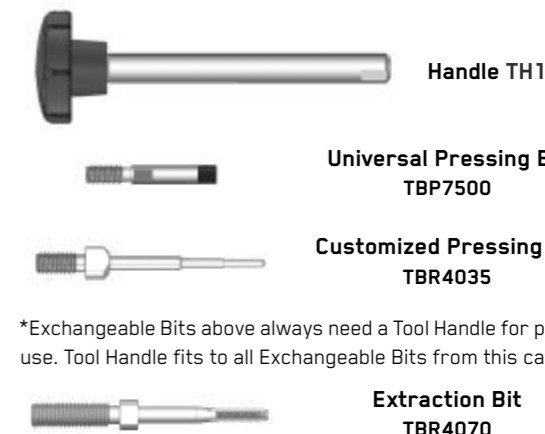
w1: Wire Diameter Code			
	AWG	mm	[inches]
3	30	0.26	0.010

w2: Wire Colour	
0	Black

Other length and colors available on request.

w3: Wire Length
Wire length is given in inches. Conversion Example: 35 in = approx. 900 mm

Tool for RCP030 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)

RCP030

RCP030

Sockets / Receptacles - 40 Mil / 1.00 mm

Sockets / Receptacles - 40 Mil / 1.00 mm

ACTUAL SIZE

ACTUAL SIZE